

Cover Page

Order ID : Q1889

Project ID : Mitchell School

Client : Kleinfelder

Lab Sample Number

Q1889-01
Q1889-02
Q1889-03

Client Sample Number

COMP-1
COMP-2
COMP-3

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: 5/2/2025

CASE NARRATIVE

Kleinfelder

Project Name: Mitchell School

Project # N/A

Chemtech Project # Q1889

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 04/25/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of PESTICIDE Group1s was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

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

F. Manual Integration Comments:

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



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

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Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1889

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 05/02/2025

LAB CHRONICLE

OrderID:	Q1889	OrderDate:	4/25/2025 11:06:00 AM
Client:	Kleinfelder	Project:	Mitchell School
Contact:	Mark Warchol	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1889-01	COMP-1	SOIL	PESTICIDE Group1	8081B	04/24/25	04/28/25	04/28/25	04/25/25
Q1889-02	COMP-2	SOIL	PESTICIDE Group1	8081B	04/24/25	04/28/25	04/28/25	04/25/25
Q1889-03	COMP-3	SOIL	PESTICIDE Group1	8081B	04/24/25	04/28/25	04/28/25	04/25/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1889

Order ID: Q1889

Client: Kleinfelder

Project ID: Mitchell School

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.: **Q1889**

Client: **Kleinfelder**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095326.D	PIBLK-PL095326.D	Decachlorobiphenyl	1	20	18.9	94		43	140
		Tetrachloro-m-xylene	1	20	17.3	87		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	17.1	86		77	126
I.BLK-PL095438.D	PIBLK-PL095438.D	Decachlorobiphenyl	1	20	22.9	114		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	17.7	89		77	126
PB167766BS	PB167766BS	Decachlorobiphenyl	1	20	23.6	118		20	144
		Tetrachloro-m-xylene	1	20	20.7	104		19	148
		Decachlorobiphenyl	2	20	23.8	119		20	144
		Tetrachloro-m-xylene	2	20	20.8	104		19	148
Q1889-01	COMP-1	Decachlorobiphenyl	1	20	18.7	94		20	144
		Tetrachloro-m-xylene	1	20	18.9	95		19	148
		Decachlorobiphenyl	2	20	18.6	93		20	144
		Tetrachloro-m-xylene	2	20	18.7	94		19	148
Q1889-01MS	COMP-1MS	Decachlorobiphenyl	1	20	17.6	88		20	144
		Tetrachloro-m-xylene	1	20	18.1	90		19	148
		Decachlorobiphenyl	2	20	17.8	89		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q1889-01MSD	COMP-1MSD	Decachlorobiphenyl	1	20	17.4	87		20	144
		Tetrachloro-m-xylene	1	20	17.9	90		19	148
		Decachlorobiphenyl	2	20	17.1	86		20	144
		Tetrachloro-m-xylene	2	20	18.0	90		19	148
Q1889-02	COMP-2	Decachlorobiphenyl	1	20	20.1	101		20	144
		Tetrachloro-m-xylene	1	20	19.6	98		19	148
		Decachlorobiphenyl	2	20	20.1	101		20	144
		Tetrachloro-m-xylene	2	20	20.4	102		19	148
Q1889-03	COMP-3	Decachlorobiphenyl	1	20	21.5	107		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	21.9	110		20	144
		Tetrachloro-m-xylene	2	20	20.5	103		19	148
I.BLK-PL095450.D	PIBLK-PL095450.D	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	18.5	93		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	19.0	95		77	126
I.BLK-PL095473.D	PIBLK-PL095473.D	Decachlorobiphenyl	1	20	22.2	111		43	140
		Tetrachloro-m-xylene	1	20	18.9	95		77	126
		Decachlorobiphenyl	2	20	21.0	105		43	140
		Tetrachloro-m-xylene	2	20	18.1	91		77	126
PB167766BL	PB167766BL	Decachlorobiphenyl	1	20	21.5	107		20	144

Surrogate Summary

SDG No.: Q1889

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB167766BL	PB167766BL	Tetrachloro-m-xylene	1	20	19.4	97		19	148
		Decachlorobiphenyl	2	20	20.9	105		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
I.BLK-PL095483.D	PIBLK-PL095483.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	19.1	96		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1889

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL095444.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-IMS											
Q1889-01MS	Aldrin	20.18	0	20.3	ug/kg	101				49	139	
	Dieldrin	20.18	0	21.2	ug/kg	105				47	161	
	4,4'-DDE	20.18	0	21.1	ug/kg	105				55	136	
	4,4'-DDD	20.18	0	23.1	ug/kg	114				47	163	
	4,4'-DDT	20.18	0	21.3	ug/kg	106				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1889

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL095445.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1889-01MSD	COMP-1MSD											
	Aldrin	20.17	0	20.1	ug/kg	100		1		49	139	20
	Dieldrin	20.17	0	21.0	ug/kg	104		1		47	161	20
	4,4'-DDE	20.17	0	20.8	ug/kg	103		2		55	136	20
	4,4'-DDD	20.17	0	22.8	ug/kg	113		1		47	163	20
	4,4'-DDT	20.17	0	20.9	ug/kg	104		2		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1889

Client: Kleinfelder

Analytical Method: **8081B** **Datafile :** PL095442.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167766BS	Aldrin	16.65	17.4	ug/kg	105				82	124	
	Dieldrin	16.65	18.4	ug/kg	111				85	121	
	4,4'-DDE	16.65	18.1	ug/kg	109				81	123	
	4,4'-DDD	16.65	19.6	ug/kg	118				80	131	
	4,4'-DDT	16.65	18.7	ug/kg	112				70	129	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167766BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: Q1889

SAS No.: Q1889 SDG NO.: Q1889

Lab Sample ID: PB167766BL

Lab File ID: PL095478.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/28/2025

Date Analyzed (1): 04/29/2025

Date Analyzed (2): 04/29/2025

Time Analyzed (1): 14:42

Time Analyzed (2): 14:42

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
PB167766BS	PB167766BS	PL095442.D	04/28/2025	04/28/2025
COMP-1	Q1889-01	PL095443.D	04/28/2025	04/28/2025
COMP-1MS	Q1889-01MS	PL095444.D	04/28/2025	04/28/2025
COMP-1MSD	Q1889-01MSD	PL095445.D	04/28/2025	04/28/2025
COMP-2	Q1889-02	PL095446.D	04/28/2025	04/28/2025
COMP-3	Q1889-03	PL095447.D	04/28/2025	04/28/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-1	SDG No.:	Q1889
Lab Sample ID:	Q1889-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095443.D	1	04/28/25 09:05	04/28/25 17:08	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		20 - 144	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	95%	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\PL043025\
 Data File : PL095443.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:08
 Operator : AR\AJ
 Sample : Q1889-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.901	61792353	59561581	18.928	18.732
28) SA Decachlor...	9.119	8.082	51911558	55100662	18.735	18.620

Target Compounds

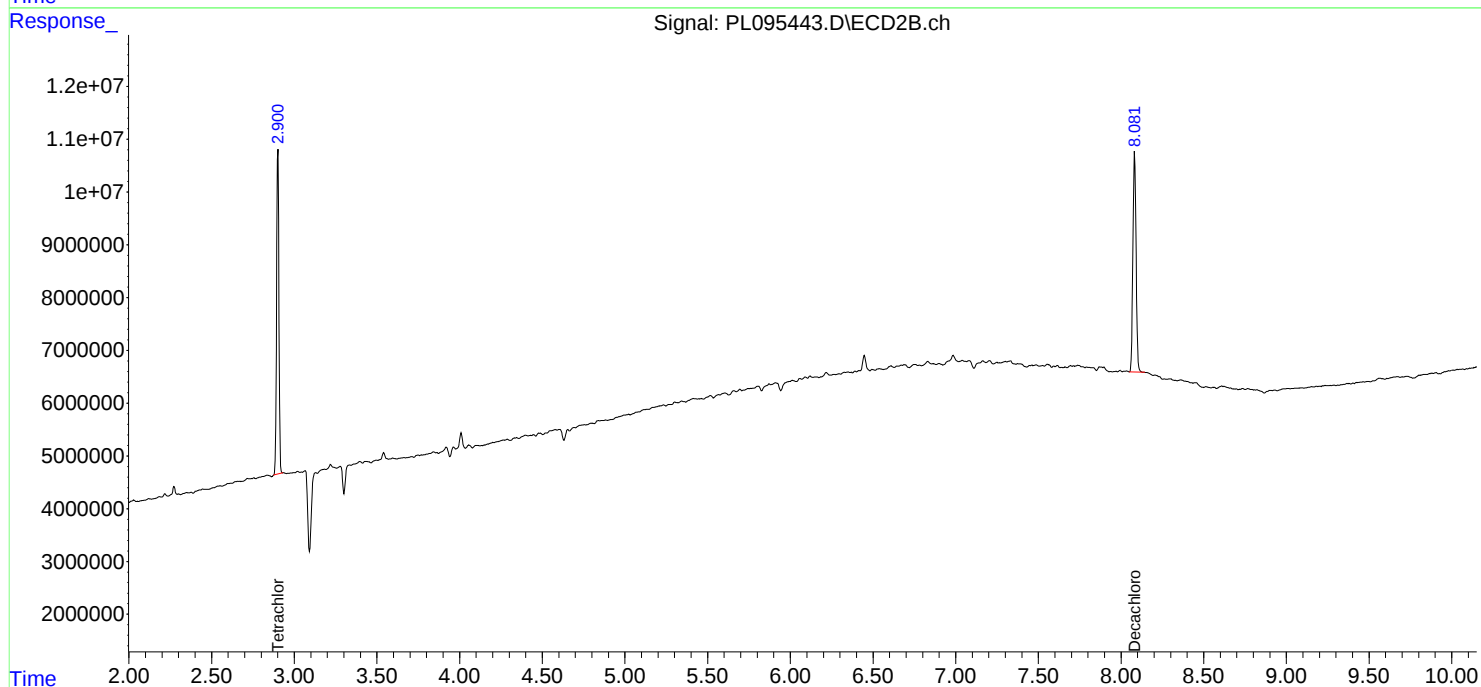
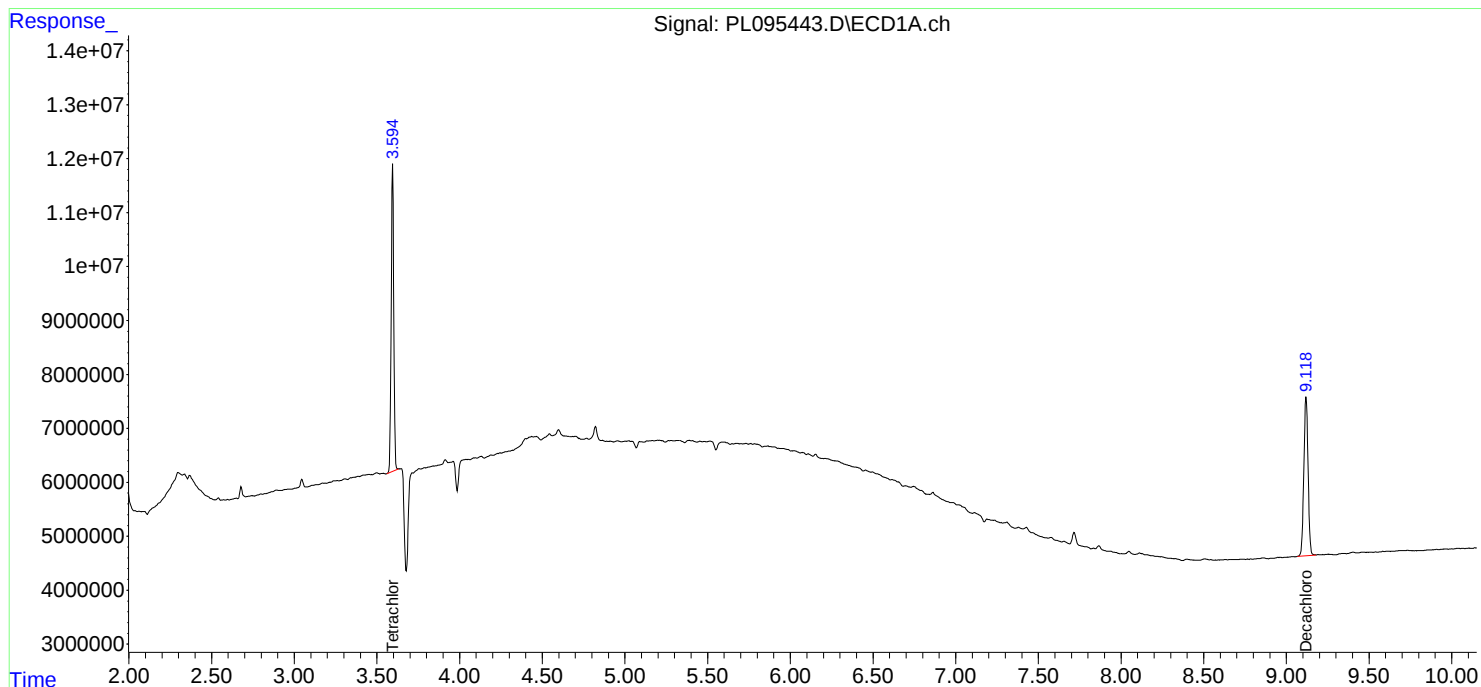
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

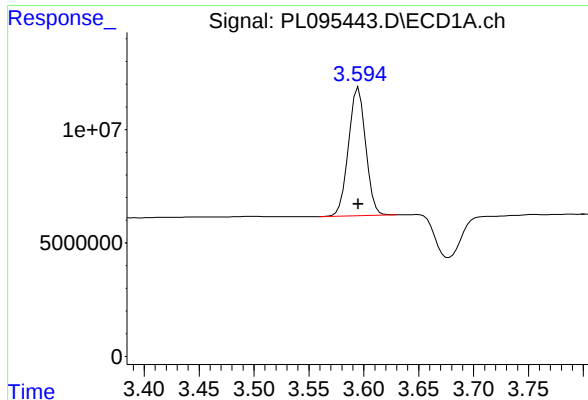
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:08
Operator : AR\AJ
Sample : Q1889-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
COMP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

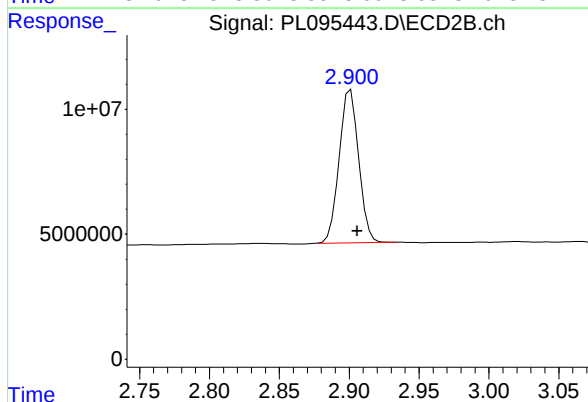




#1 Tetrachloro-m-xylene

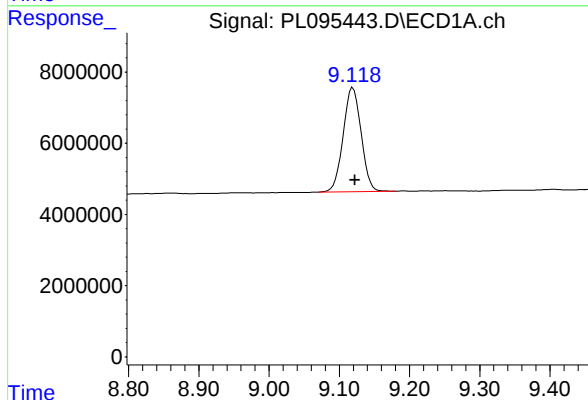
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 61792353
Conc: 18.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1



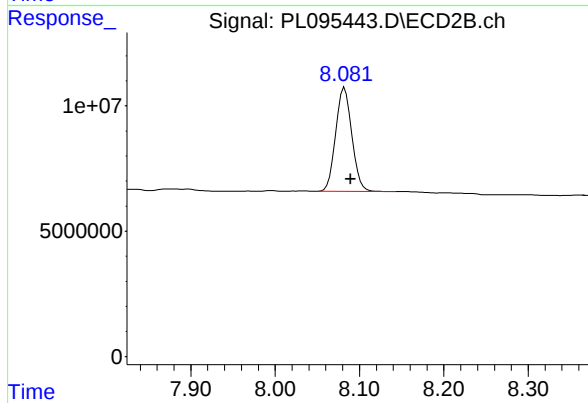
#1 Tetrachloro-m-xylene

R.T.: 2.901 min
Delta R.T.: -0.005 min
Response: 59561581
Conc: 18.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.003 min
Response: 51911558
Conc: 18.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 55100662
Conc: 18.62 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-2	SDG No.:	Q1889
Lab Sample ID:	Q1889-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	80.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095446.D	1	04/28/25 09:05	04/28/25 17:49	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		19 - 148	102%	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\PL043025\
Data File : PL095446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:49
Operator : AR\AJ
Sample : Q1889-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
COMP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.593	2.904	64120802	65010204	19.641	20.445
28) SA Decachlor...	9.115	8.082	55780367	59478822	20.131	20.099

Target Compounds

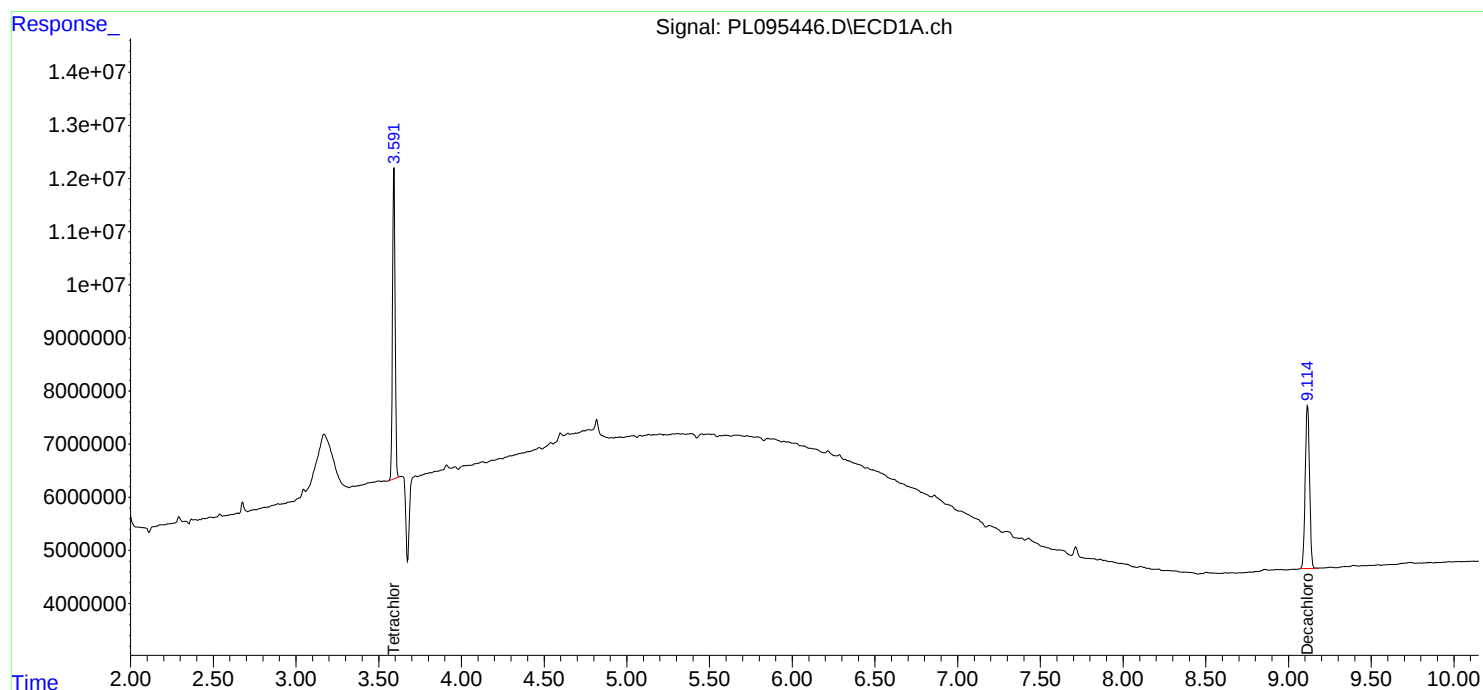
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

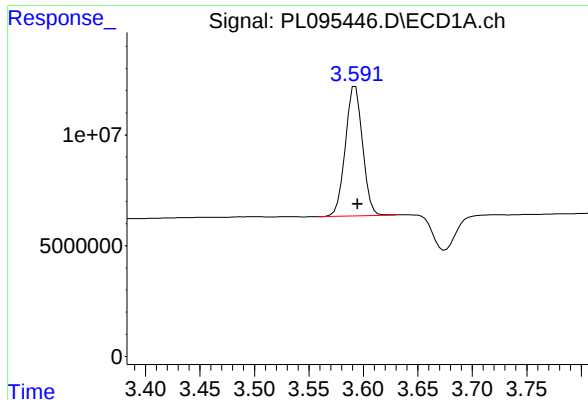
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:49
Operator : AR\AJ
Sample : Q1889-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
COMP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

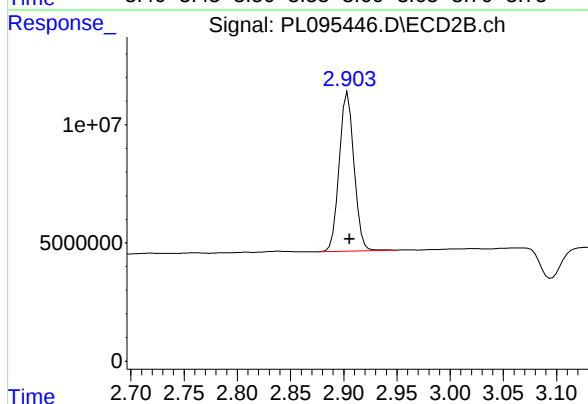




#1 Tetrachloro-m-xylene

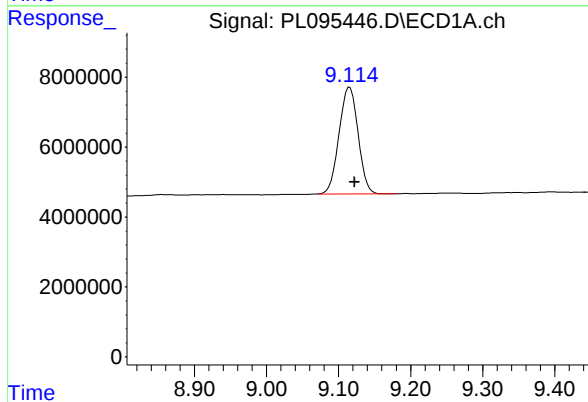
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 64120802
Conc: 19.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-2



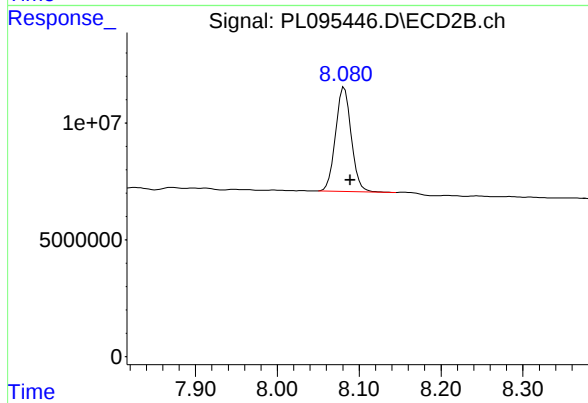
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 65010204
Conc: 20.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 55780367
Conc: 20.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 59478822
Conc: 20.10 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-3	SDG No.:	Q1889
Lab Sample ID:	Q1889-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	80.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095447.D	1	04/28/25 09:05	04/28/25 18:03	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		19 - 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\PL043025\
 Data File : PL095447.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 18:03
 Operator : AR\AJ
 Sample : Q1889-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-3

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/29/2025
 Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:36:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.592	2.903	65310827	65298319	20.005	20.536
28) SA Decachlor...	9.115	8.080	59524888	64845440	21.483	21.913m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:03
Operator : AR\AJ
Sample : Q1889-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

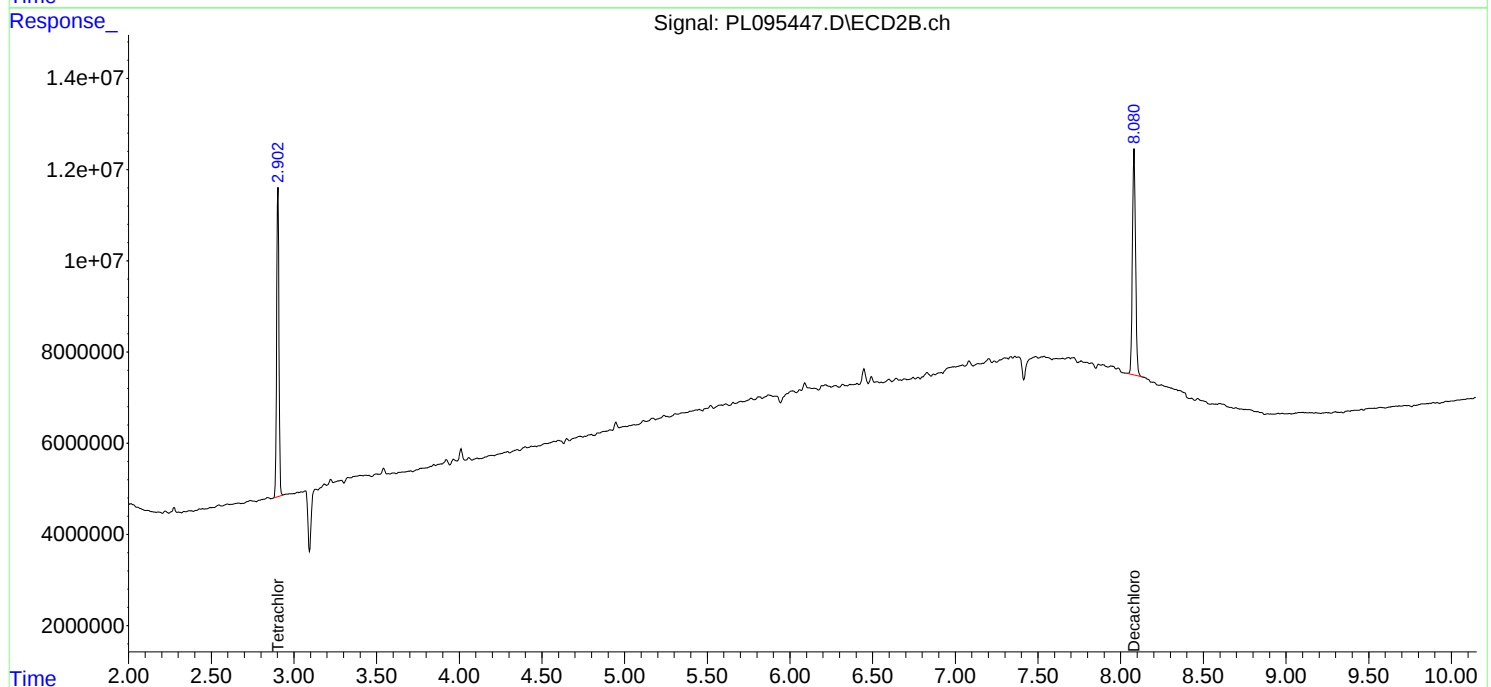
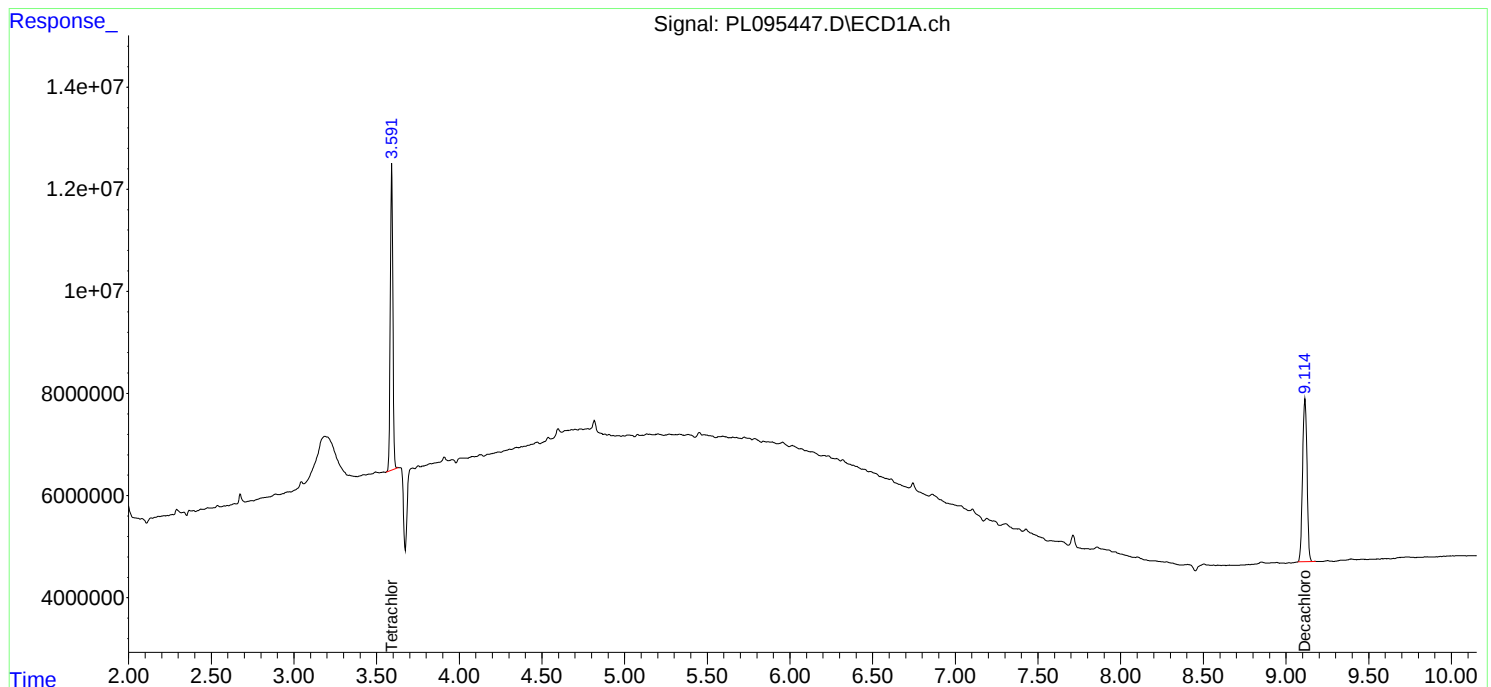
Instrument :
ECD_L
ClientSampleId :
COMP-3

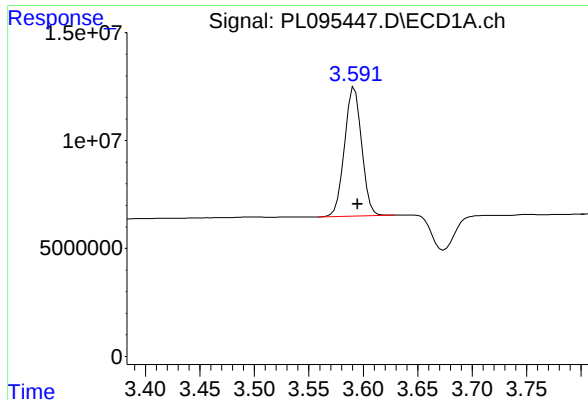
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/29/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





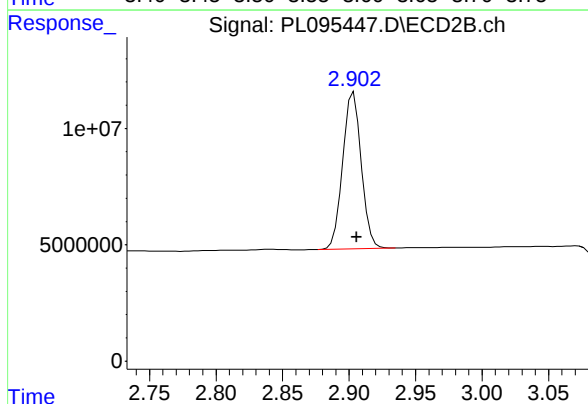
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 65310827
Conc: 20.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-3

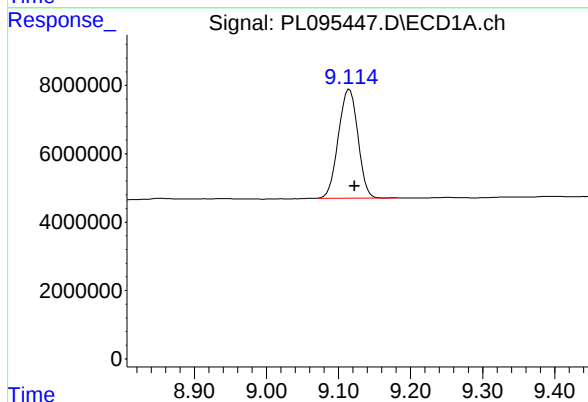
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



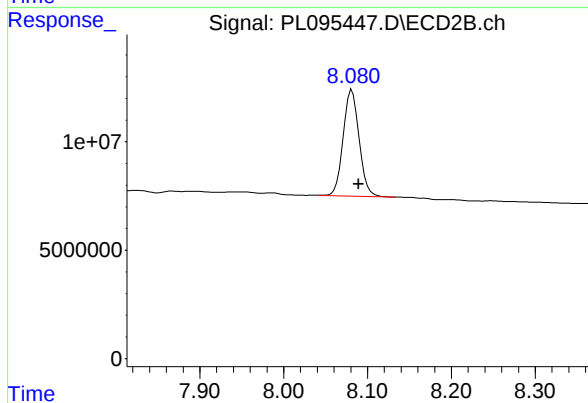
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.002 min
Response: 65298319
Conc: 20.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 59524888
Conc: 21.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.080 min
Delta R.T.: -0.009 min
Response: 64845440
Conc: 21.91 ng/ml m



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID:		CF 100 =	<u>PL095329.D</u>	CF 075 =	<u>PL095330.D</u>		
CF 050 =	<u>PL095331.D</u>	CF 025 =	<u>PL095332.D</u>	CF 005 =	<u>PL095333.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2865080000	2820110000	2707400000	2820390000	2941790000	2830960000	3
4,4'-DDE	3926930000	3864370000	3733720000	3923550000	4154180000	3920550000	4
4,4'-DDT	2903290000	2865670000	2760290000	2861180000	2852460000	2848580000	2
Aldrin	4647840000	4586260000	4401320000	4541780000	4787920000	4593020000	3
Decachlorobiphenyl	2647270000	2643130000	2643240000	2821430000	3098960000	2770810000	7
Dieldrin	3906950000	3842890000	3678670000	3851250000	3994310000	3854810000	3
Tetrachloro-m-xylene	3234910000	3230840000	3121140000	3291160000	3445310000	3264670000	4



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID:		CF 100 =	<u>PL095329.D</u>	CF 075 =	<u>PL095330.D</u>		
CF 050 =	<u>PL095331.D</u>	CF 025 =	<u>PL095332.D</u>	CF 005 =	<u>PL095333.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3451170000	3194300000	3089420000	3267920000	3331160000	3266790000	4
4,4'-DDE	4259410000	3966100000	3865330000	4094560000	4149440000	4066970000	4
4,4'-DDT	3670140000	3377430000	3277310000	3441260000	3414750000	3436180000	4
Aldrin	4336230000	4110670000	3932000000	4090330000	4109170000	4115680000	4
Decachlorobiphenyl	3012930000	2805190000	2819260000	3040170000	3118780000	2959270000	5
Dieldrin	4236430000	3965120000	3821410000	4048720000	4263750000	4067090000	5
Tetrachloro-m-xylene	3206620000	3119570000	3030900000	3186820000	3354850000	3179750000	4



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:31
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:29:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.906	323.5E6	320.7E6	101.790	102.817
28)	SA Decachlor...	9.123	8.089	264.7E6	301.3E6	100.076	103.321
Target Compounds							
2)	A alpha-BHC	4.046	3.416	515.1E6	473.7E6	103.792	104.863
3)	MA gamma-BHC...	4.378	3.750	485.6E6	463.2E6	103.261	104.552
4)	MA Heptachlor	4.976	4.105	456.9E6	449.7E6	102.135	103.955
5)	MB Aldrin	5.318	4.390	464.8E6	433.6E6	102.724	104.889
6)	B beta-BHC	4.563	4.043	202.2E6	206.8E6	101.434	103.103
7)	B delta-BHC	4.812	4.280	473.8E6	464.9E6	103.426	104.943
8)	B Heptachlo...	5.739	4.893	398.8E6	396.9E6	102.405	103.927
9)	A Endosulfan I	6.122	5.266	377.0E6	380.8E6	101.944	104.252
10)	B gamma-Chl...	5.993	5.146	412.4E6	422.8E6	102.723	105.067
11)	B alpha-Chl...	6.074	5.210	407.7E6	413.4E6	102.396	104.665
12)	B 4,4'-DDE	6.243	5.397	392.7E6	425.9E6	102.522	104.850
13)	MA Dieldrin	6.395	5.532	390.7E6	423.6E6	103.009	105.151
14)	MA Endrin	6.623	5.807	318.1E6	380.1E6	102.435	104.689
15)	B Endosulfa...	6.835	6.097	312.8E6	369.8E6	102.050	104.436
16)	A 4,4'-DDD	6.753	5.949	286.5E6	345.1E6	102.830	105.531
17)	MA 4,4'-DDT	7.068	6.204	290.3E6	367.0E6	102.525	105.654
18)	B Endrin al...	6.964	6.275	227.7E6	267.5E6	101.318	103.921
19)	B Endosulfa...	7.197	6.498	274.5E6	339.2E6	101.424	103.912
20)	A Methoxychlor	7.540	6.775	135.2E6	191.8E6	100.822	102.846
21)	B Endrin ke...	7.679	7.004	280.8E6	362.9E6	101.609	103.924
22)	Mirex	8.161	7.201	221.4E6	287.9E6	99.567	102.890

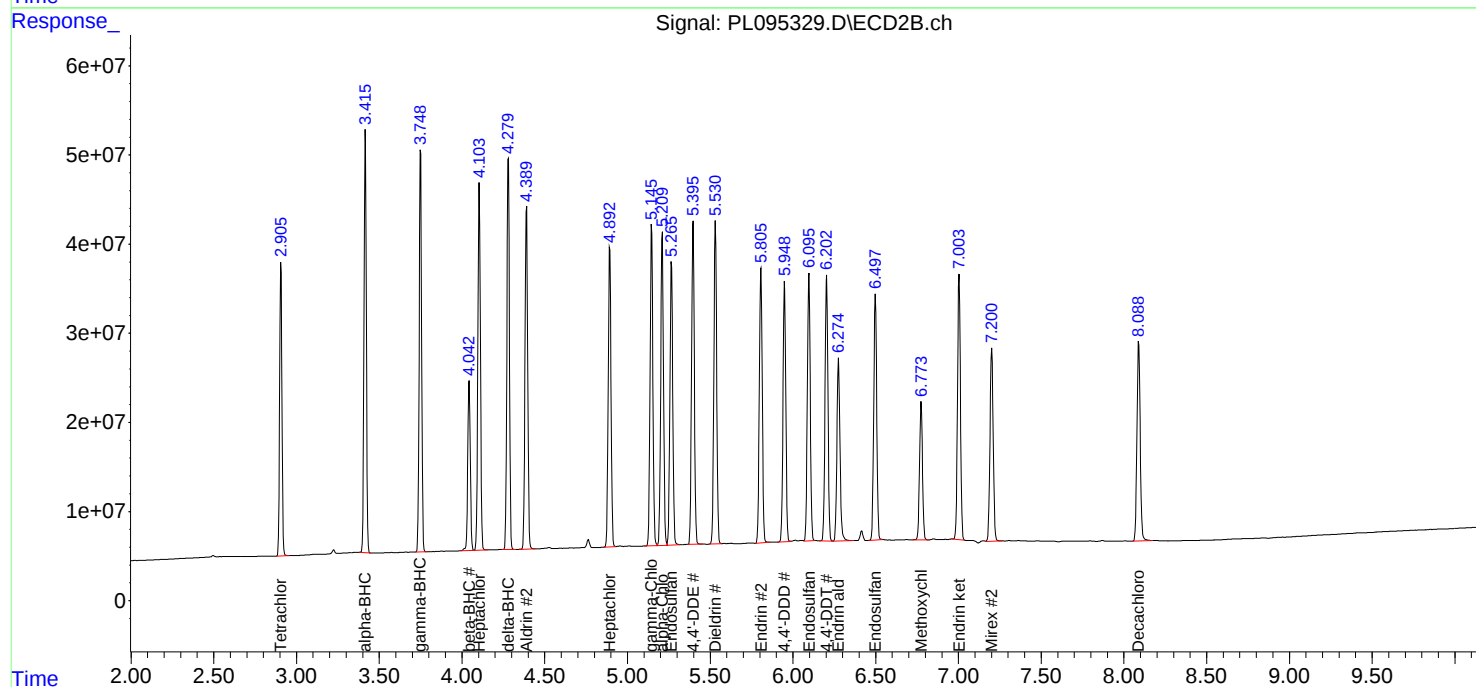
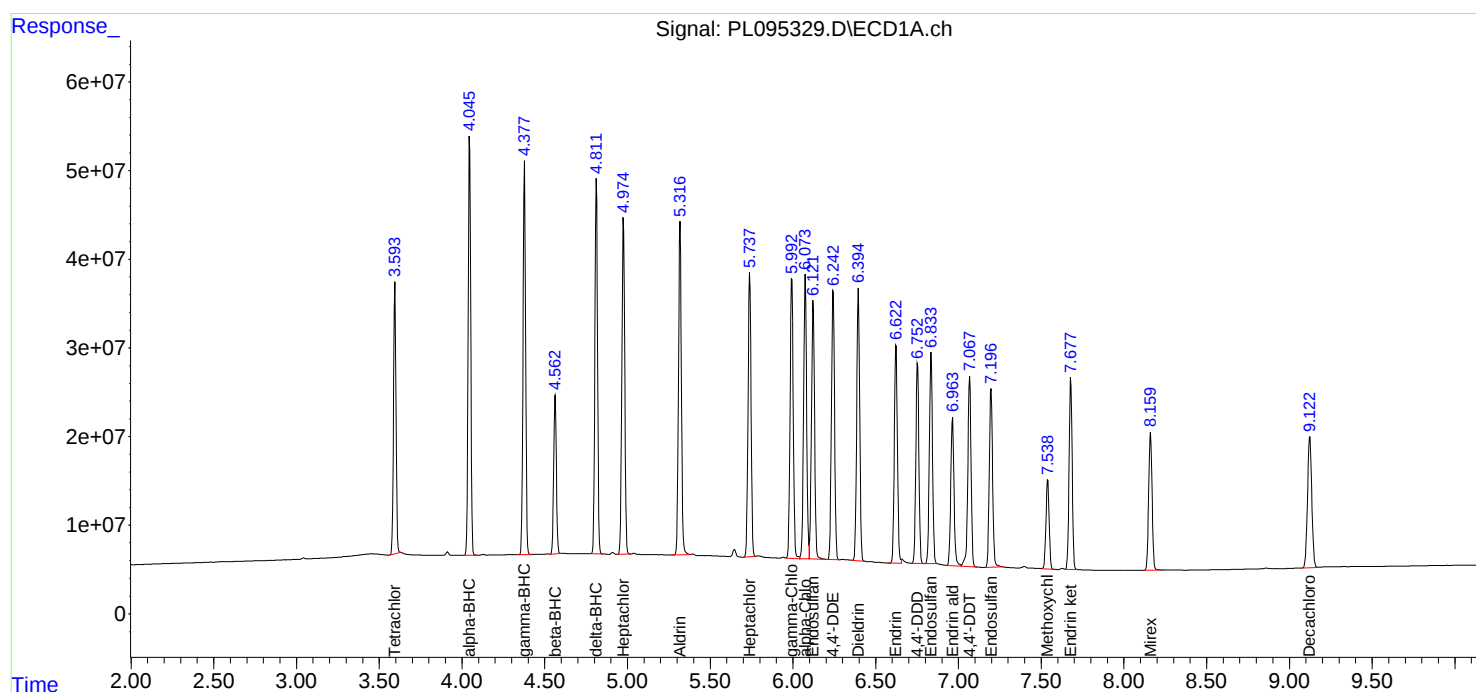
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

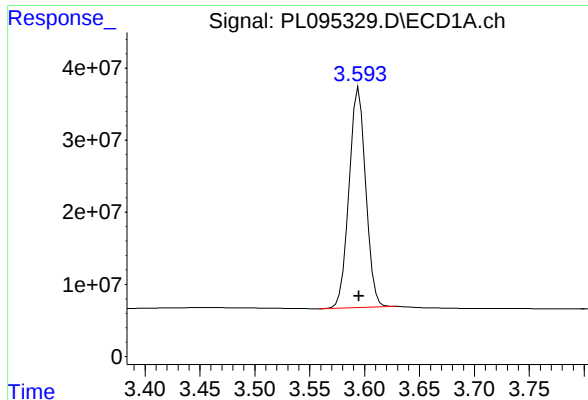
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:29:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

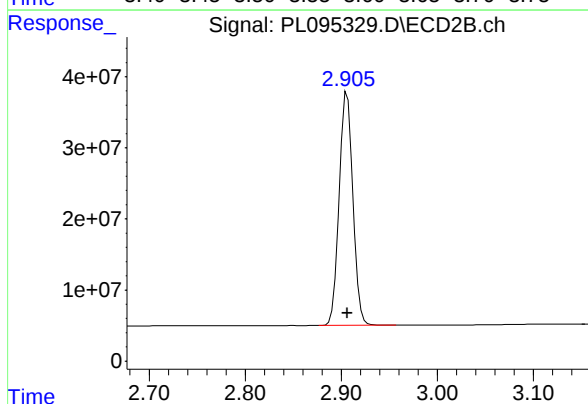




#1 Tetrachloro-m-xylene

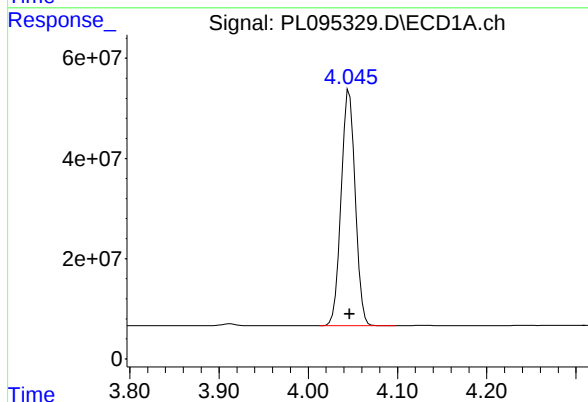
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 323491125
Conc: 101.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



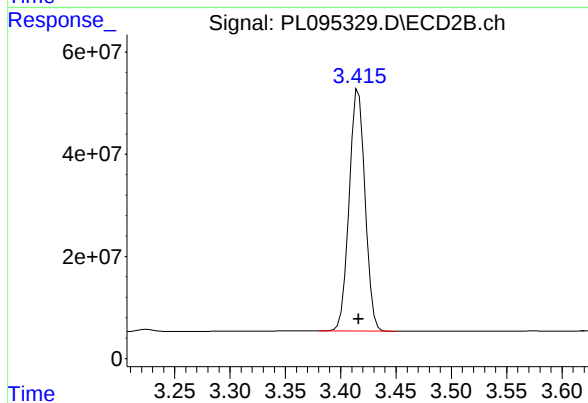
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 320661815
Conc: 102.82 ng/ml



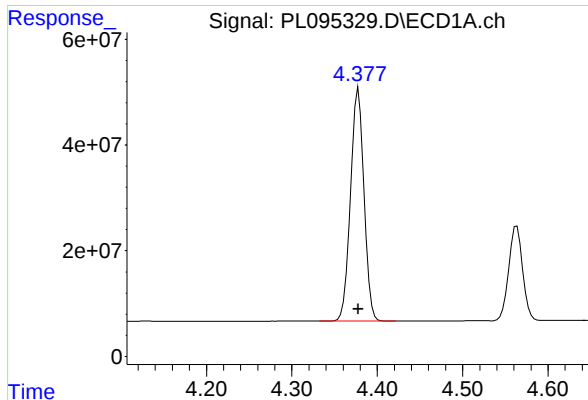
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 515070430
Conc: 103.79 ng/ml



#2 alpha-BHC

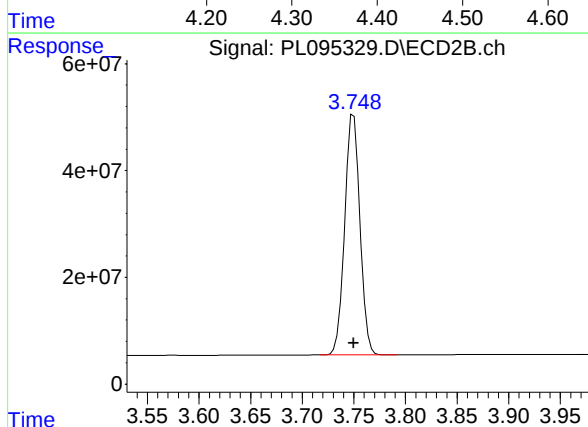
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 473654475
Conc: 104.86 ng/ml



#3 gamma-BHC (Lindane)

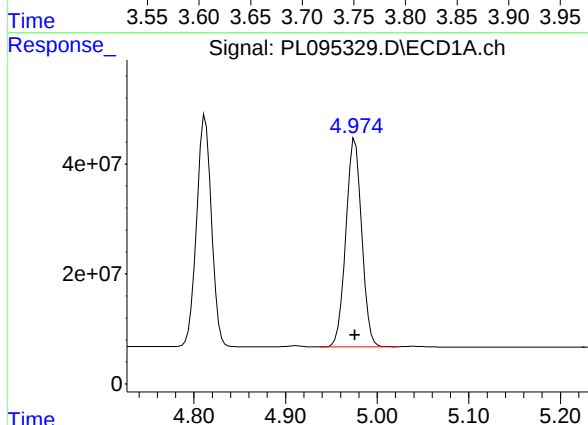
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 485646578
Conc: 103.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



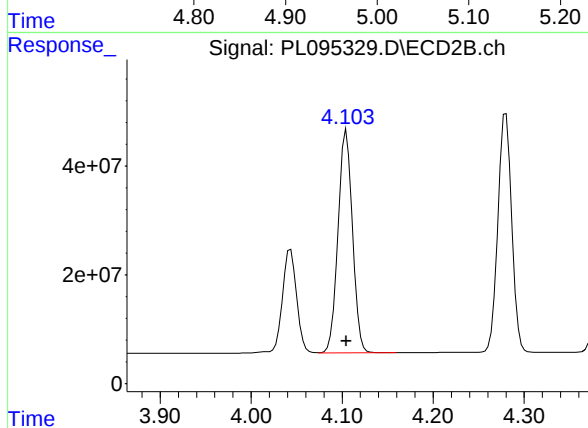
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 463168586
Conc: 104.55 ng/ml



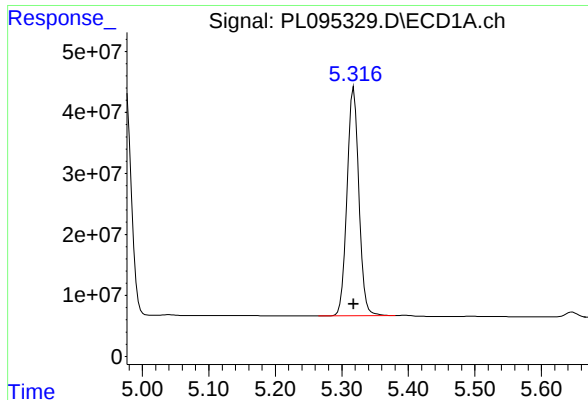
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 456881987
Conc: 102.14 ng/ml



#4 Heptachlor

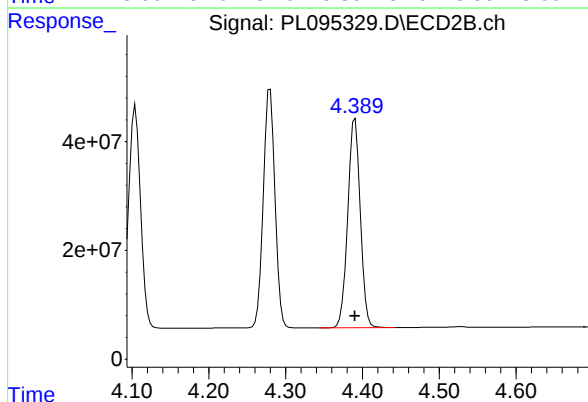
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 449658556
Conc: 103.96 ng/ml



#5 Aldrin

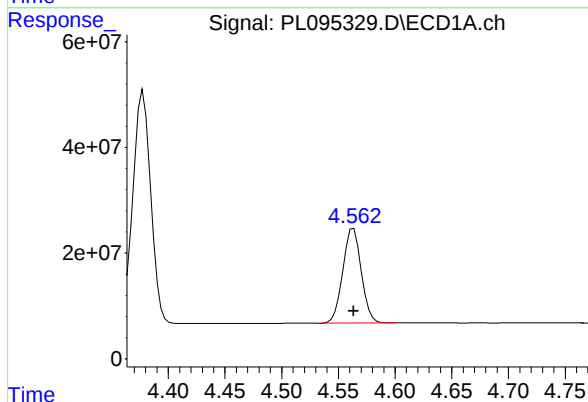
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 464783691
Conc: 102.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



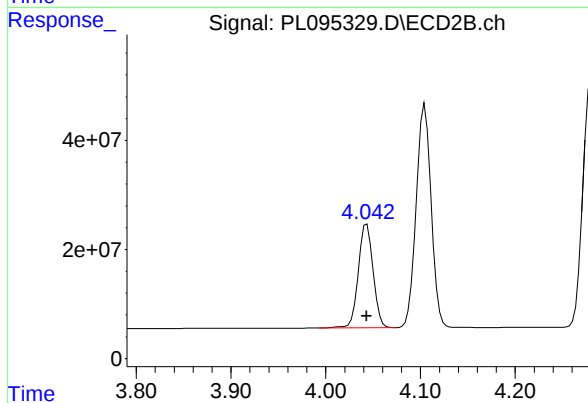
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 433622988
Conc: 104.89 ng/ml



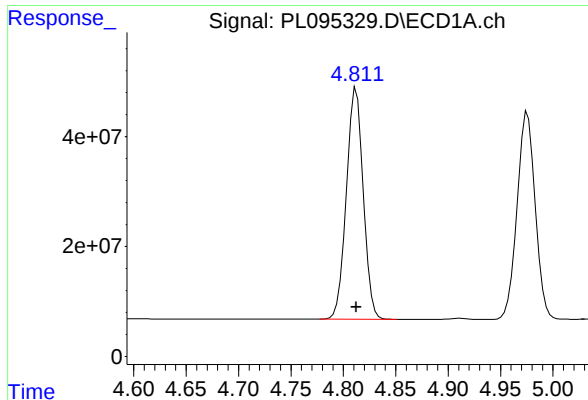
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 202245248
Conc: 101.43 ng/ml



#6 beta-BHC

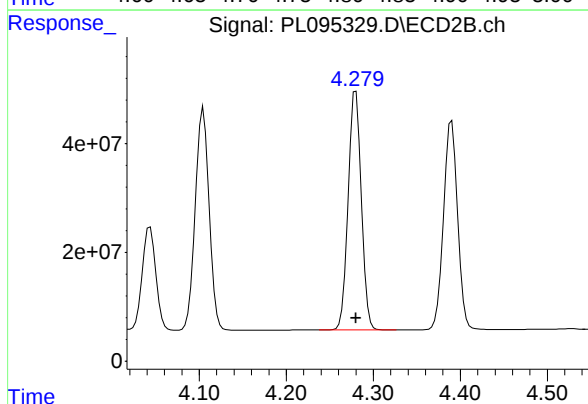
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 206788694
Conc: 103.10 ng/ml



#7 delta-BHC

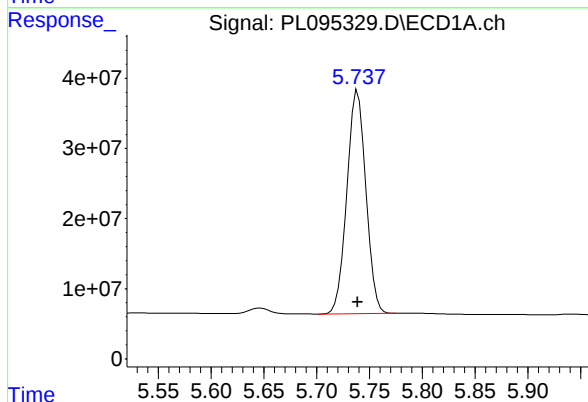
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 473807061
Conc: 103.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



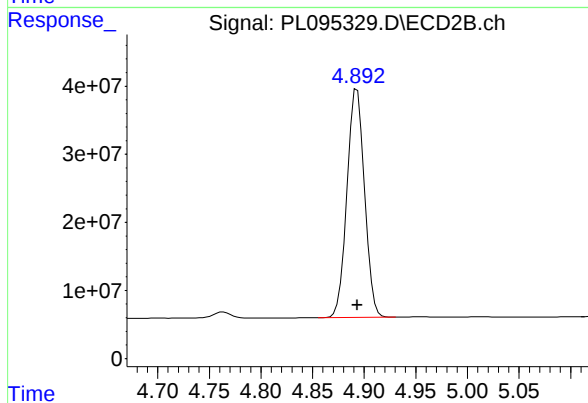
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 464855530
Conc: 104.94 ng/ml



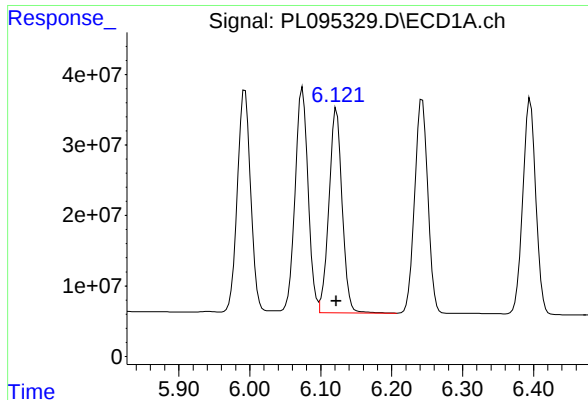
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 398849731
Conc: 102.40 ng/ml



#8 Heptachlor epoxide

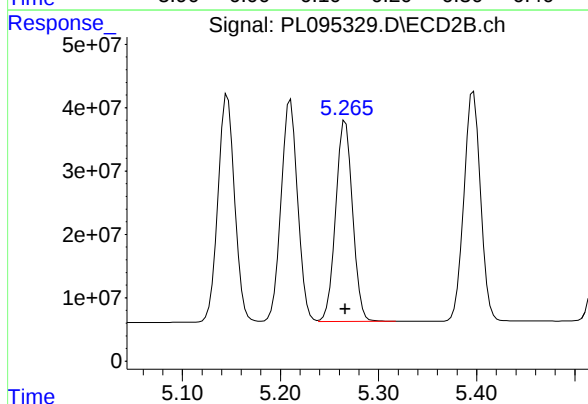
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 396941132
Conc: 103.93 ng/ml



#9 Endosulfan I

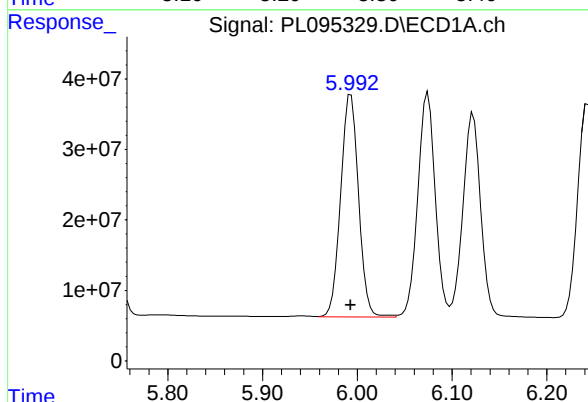
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 377044280
Conc: 101.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



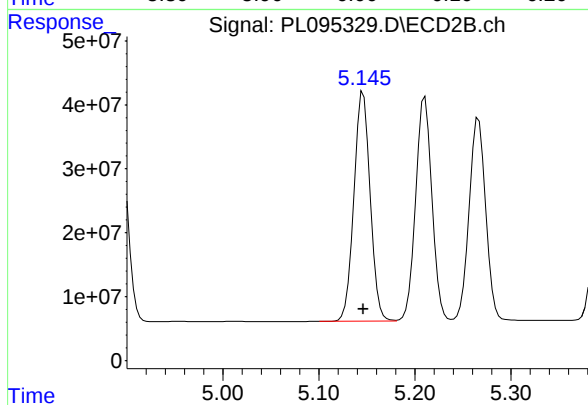
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 380773241
Conc: 104.25 ng/ml



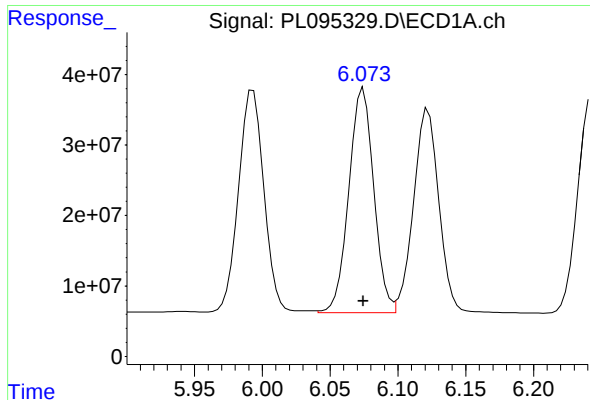
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 412419220
Conc: 102.72 ng/ml



#10 gamma-Chlordane

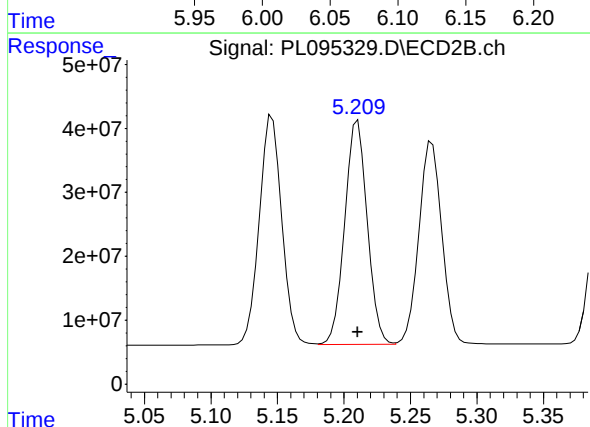
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 422776294
Conc: 105.07 ng/ml



#11 alpha-Chlordane

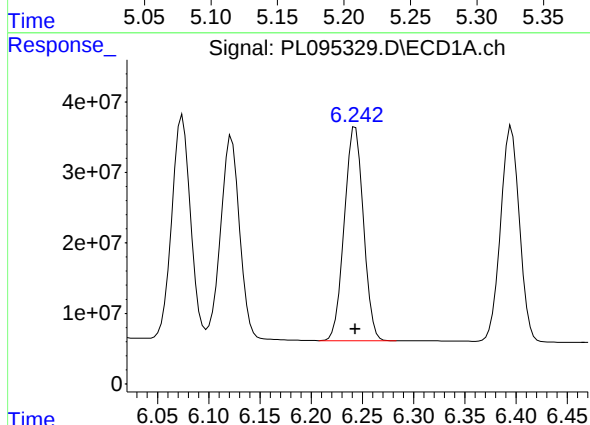
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 407676371
Conc: 102.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



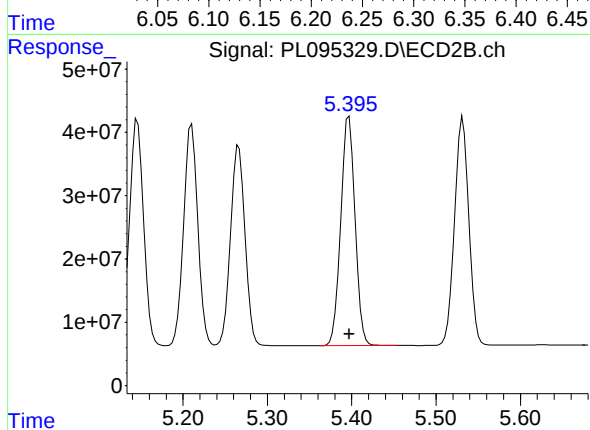
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 413362305
Conc: 104.67 ng/ml



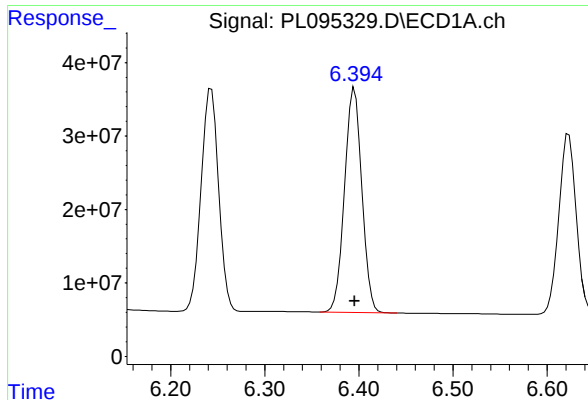
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 392693208
Conc: 102.52 ng/ml



#12 4,4'-DDE

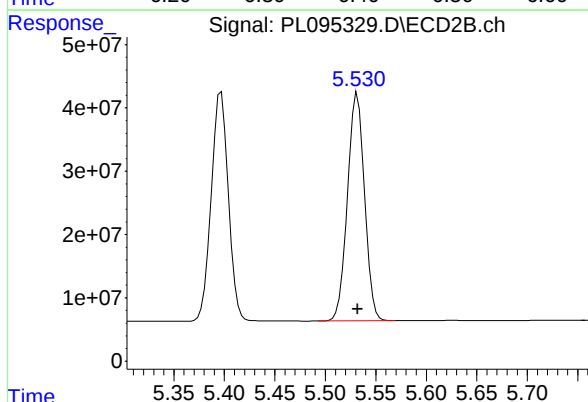
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 425941388
Conc: 104.85 ng/ml



#13 Dieldrin

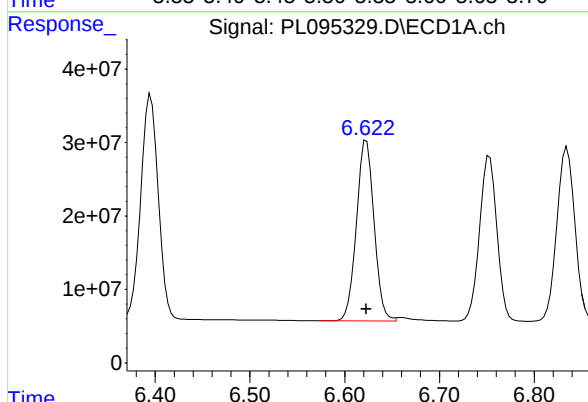
R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 390695114
Conc: 103.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



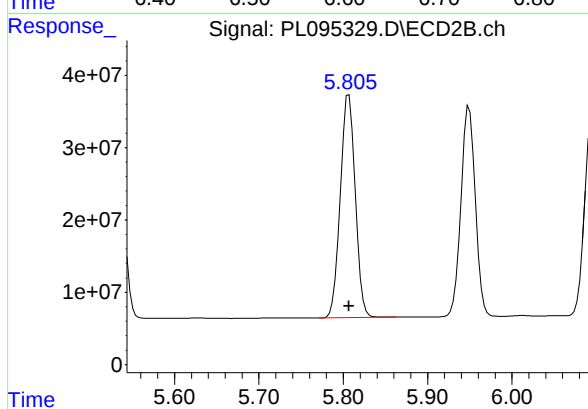
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 423643266
Conc: 105.15 ng/ml



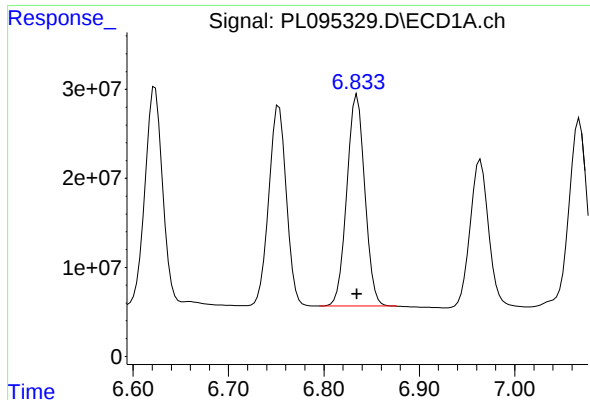
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 318061123
Conc: 102.44 ng/ml



#14 Endrin

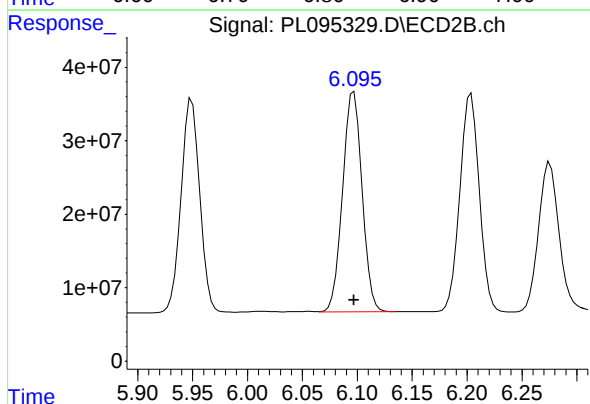
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 380070631
Conc: 104.69 ng/ml



#15 Endosulfan II

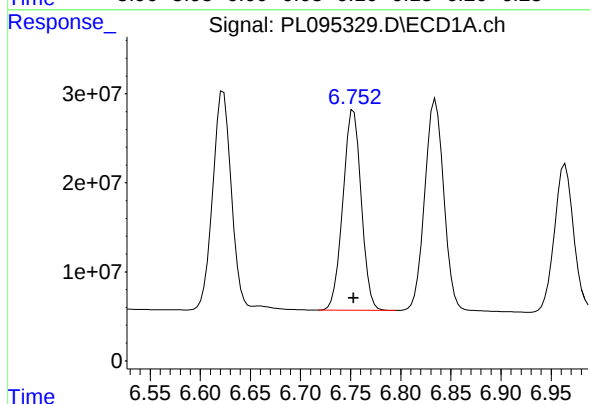
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 312843730
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



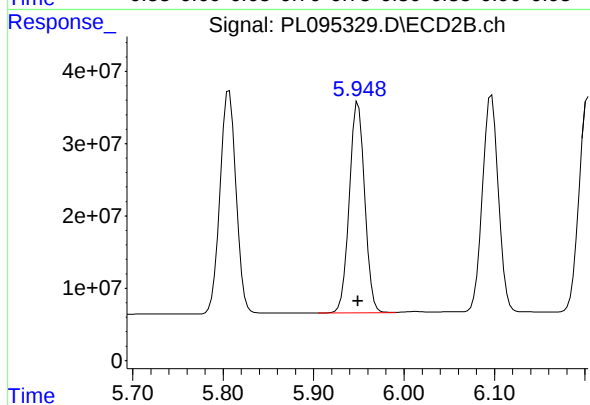
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 369804223
Conc: 104.44 ng/ml



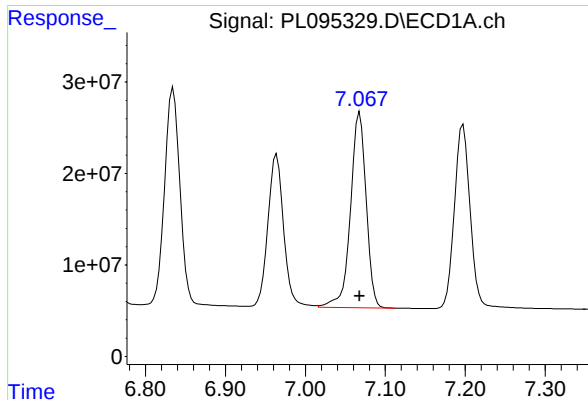
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 286508080
Conc: 102.83 ng/ml



#16 4,4'-DDD

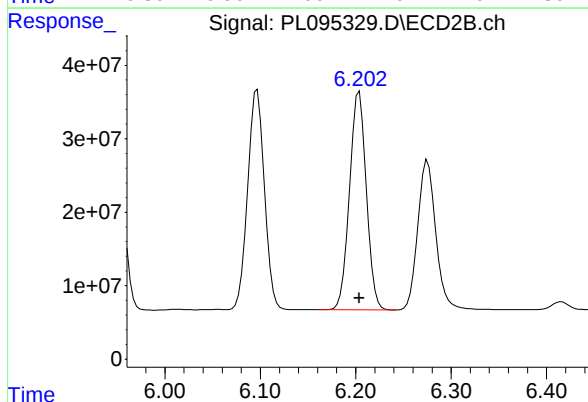
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 345117468
Conc: 105.53 ng/ml



#17 4,4'-DDT

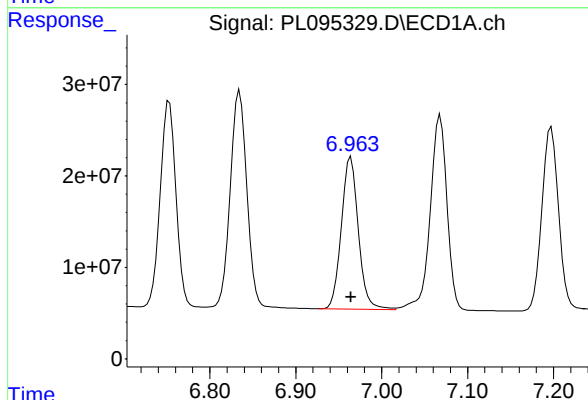
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 290329287
Conc: 102.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



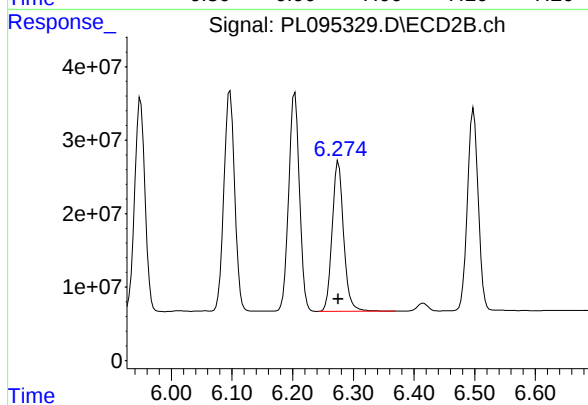
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 367013697
Conc: 105.65 ng/ml



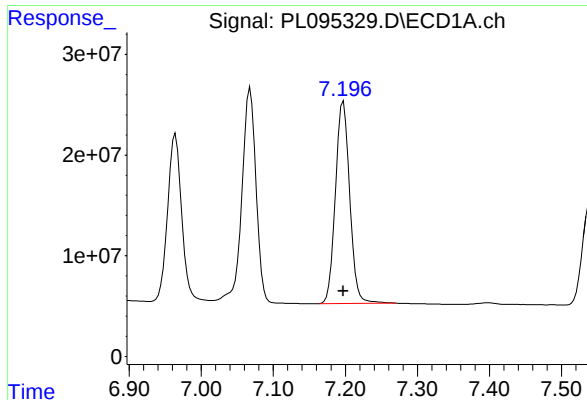
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 227678358
Conc: 101.32 ng/ml



#18 Endrin aldehyde

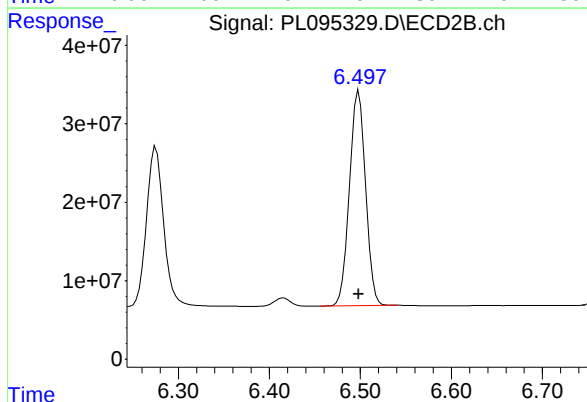
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 267469083
Conc: 103.92 ng/ml



#19 Endosulfan Sulfate

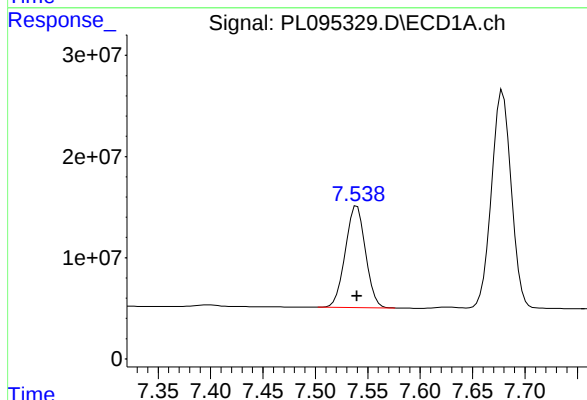
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 274542350
Conc: 101.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



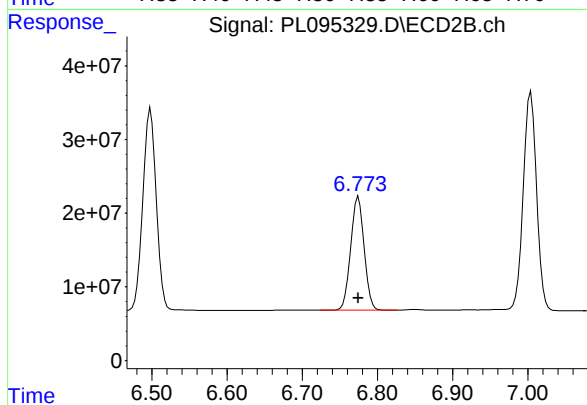
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 339248929
Conc: 103.91 ng/ml



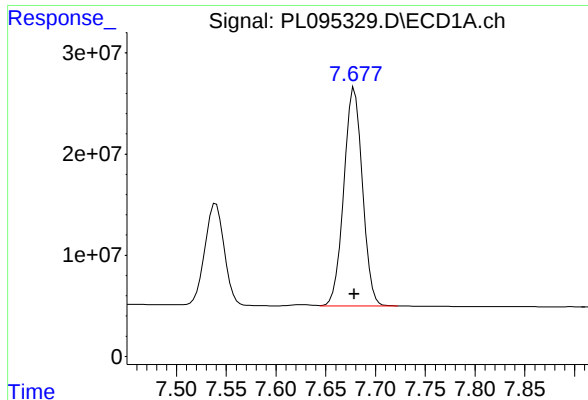
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 135217513
Conc: 100.82 ng/ml



#20 Methoxychlor

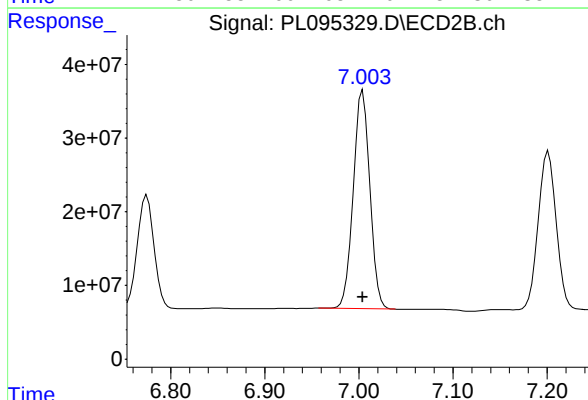
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 191790122
Conc: 102.85 ng/ml



#21 Endrin ketone

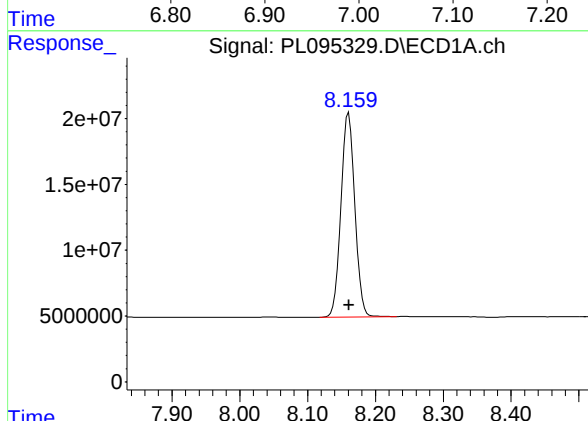
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 280815373
Conc: 101.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



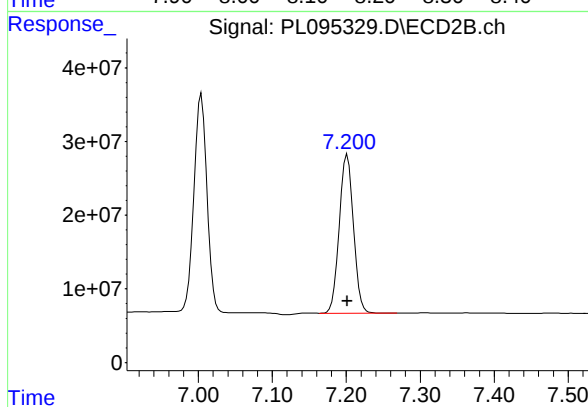
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 362885097
Conc: 103.92 ng/ml



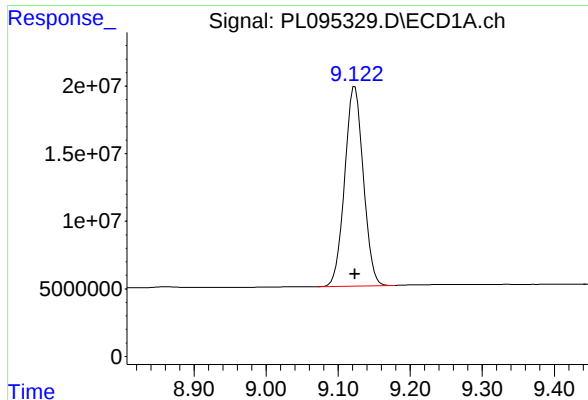
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 221403941
Conc: 99.57 ng/ml



#22 Mirex

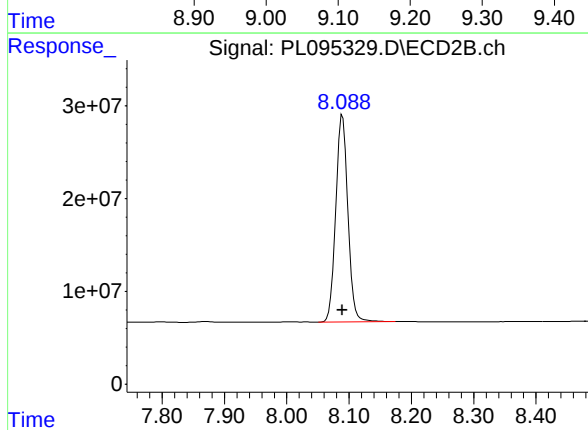
R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 287854160
Conc: 102.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 264726652
Conc: 100.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 301292757
Conc: 103.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:45
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:31:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.906	242.3E6	234.0E6	75.826	75.013
28)	SA Decachlor...	9.123	8.090	198.2E6	210.4E6	74.960	73.074
Target Compounds							
2)	A alpha-BHC	4.047	3.417	379.9E6	338.8E6	76.029	75.000
3)	MA gamma-BHC...	4.378	3.750	358.9E6	331.2E6	75.876	74.842
4)	MA Heptachlor	4.977	4.105	339.9E6	321.3E6	75.653	74.520
5)	MB Aldrin	5.318	4.390	344.0E6	308.3E6	75.679	74.716
6)	B beta-BHC	4.564	4.044	151.2E6	149.5E6	75.563	74.688
7)	B delta-BHC	4.813	4.281	347.5E6	330.3E6	75.566	74.710
8)	B Heptachlo...	5.740	4.894	295.1E6	281.9E6	75.505	74.194
9)	A Endosulfan I	6.123	5.267	280.7E6	267.1E6	75.588	73.735
10)	B gamma-Chl...	5.993	5.147	304.4E6	294.6E6	75.551	73.793
11)	B alpha-Chl...	6.075	5.211	302.3E6	289.7E6	75.612	73.893
12)	B 4,4'-DDE	6.243	5.398	289.8E6	297.5E6	75.443	73.806
13)	MA Dieldrin	6.396	5.532	288.2E6	297.4E6	75.657	74.204
14)	MA Endrin	6.623	5.807	235.1E6	265.9E6	75.482	73.827
15)	B Endosulfa...	6.836	6.097	232.8E6	260.1E6	75.616	73.960
16)	A 4,4'-DDD	6.753	5.949	211.5E6	239.6E6	75.605	73.829
17)	MA 4,4'-DDT	7.069	6.204	214.9E6	253.3E6	75.596	73.601
18)	B Endrin al...	6.965	6.276	169.6E6	189.1E6	75.319	73.986
19)	B Endosulfa...	7.199	6.498	204.8E6	238.7E6	75.438	73.741
20)	A Methoxychlor	7.540	6.775	101.2E6	135.4E6	75.314	73.393
21)	B Endrin ke...	7.680	7.005	208.9E6	256.0E6	75.397	73.872
22)	Mirex	8.161	7.202	167.3E6	202.6E6	75.145	73.247

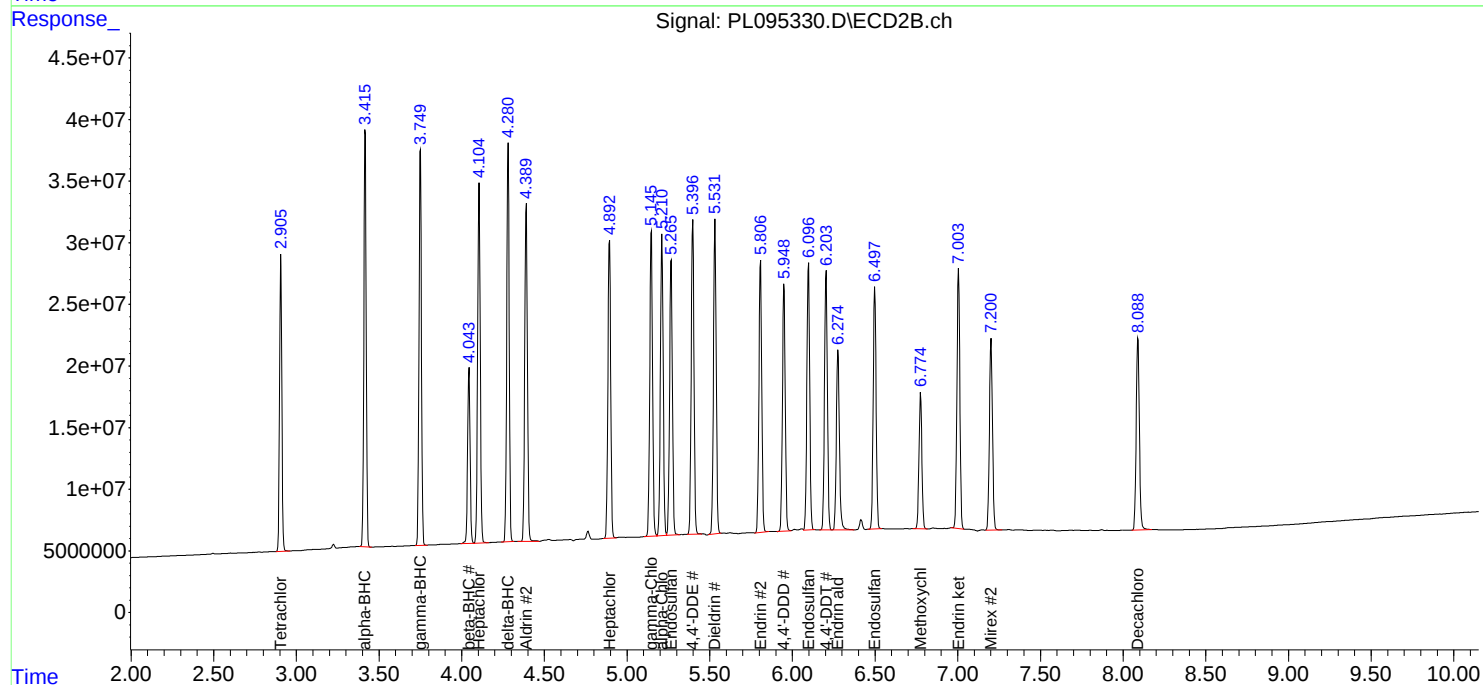
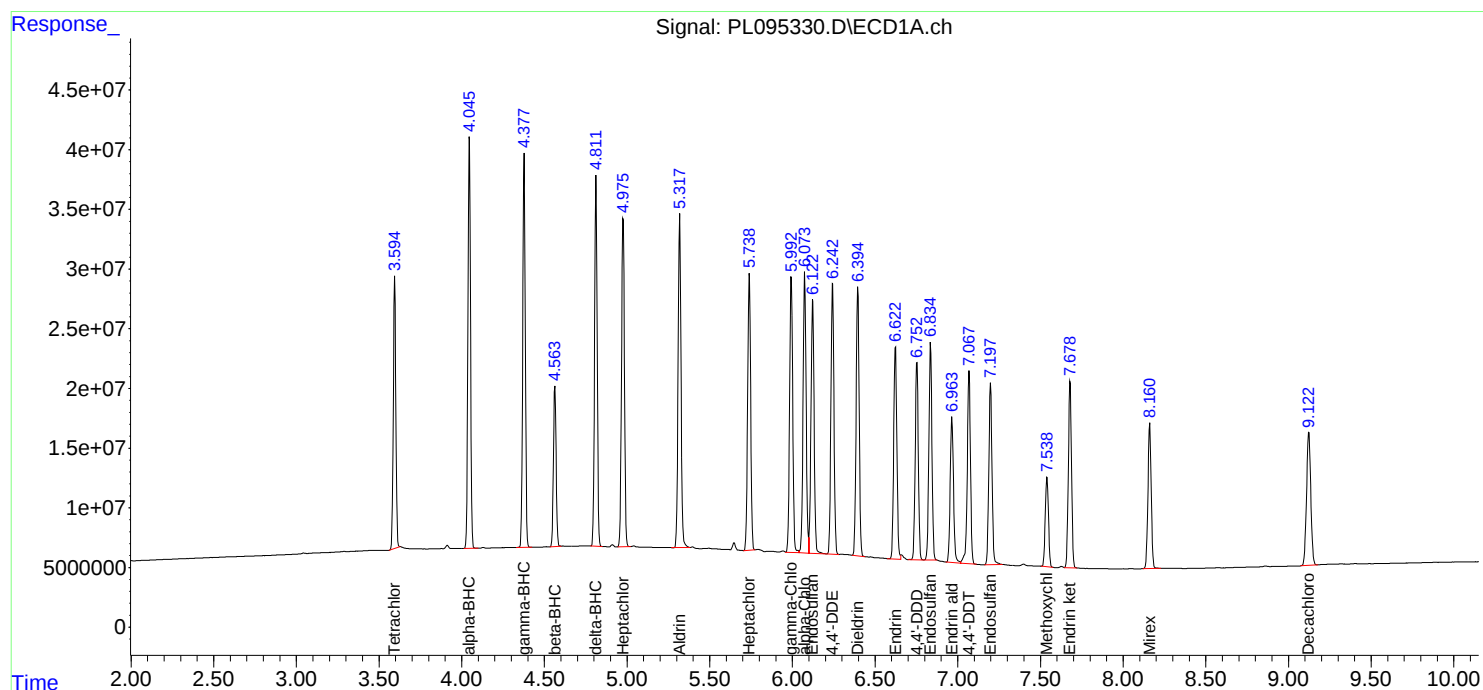
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

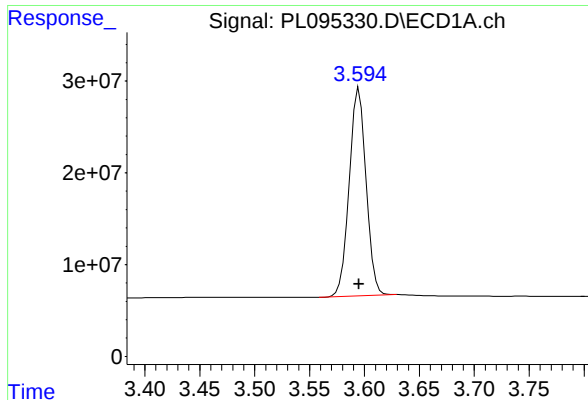
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

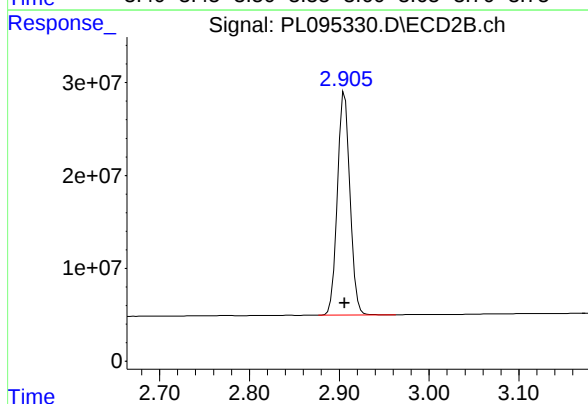




#1 Tetrachloro-m-xylene

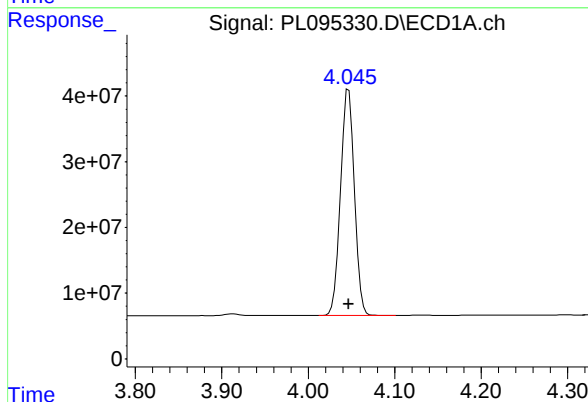
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 242312702
Conc: 75.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



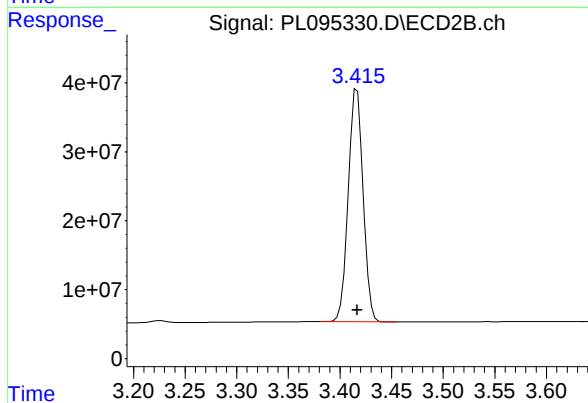
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 233967541
Conc: 75.01 ng/ml



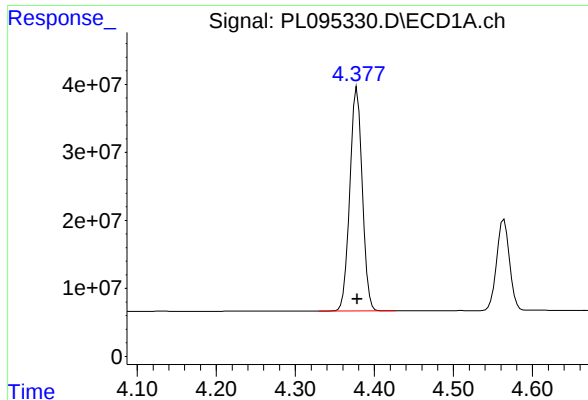
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 379898801
Conc: 76.03 ng/ml



#2 alpha-BHC

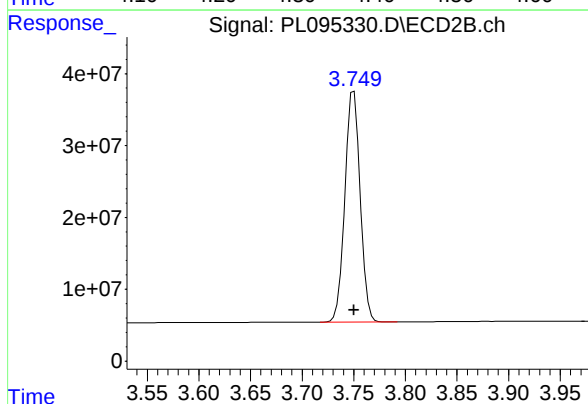
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 338763617
Conc: 75.00 ng/ml



#3 gamma-BHC (Lindane)

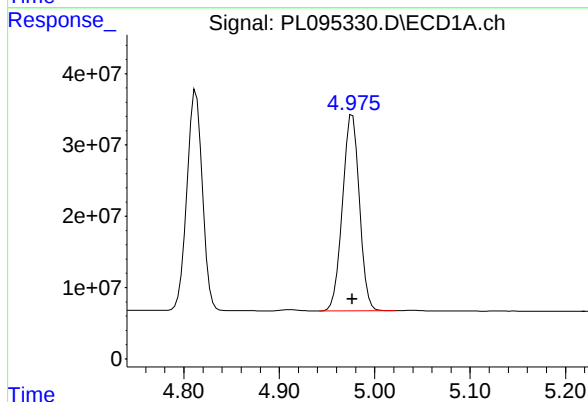
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 358949956
Conc: 75.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



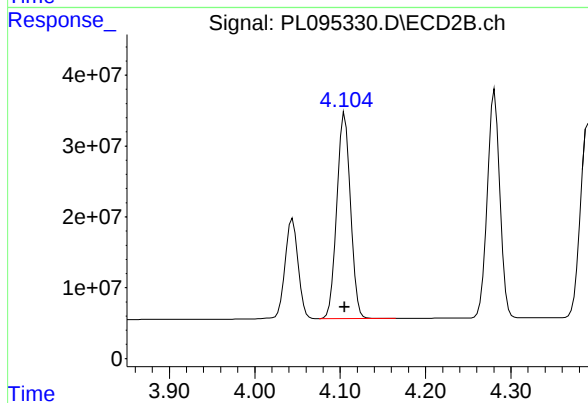
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 331207321
Conc: 74.84 ng/ml



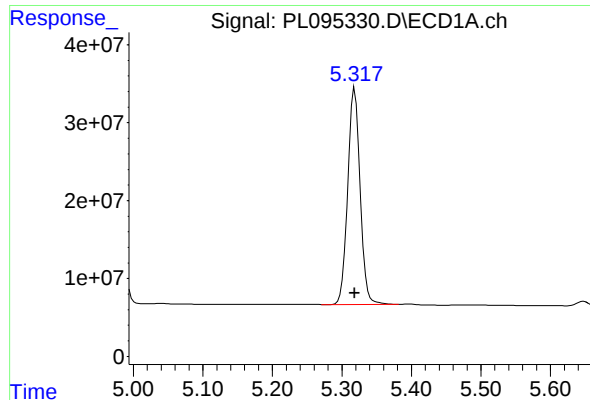
#4 Heptachlor

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 339898397
Conc: 75.65 ng/ml



#4 Heptachlor

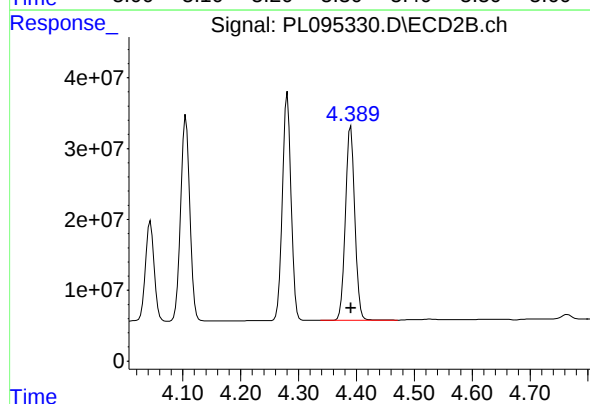
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 321310520
Conc: 74.52 ng/ml



#5 Aldrin

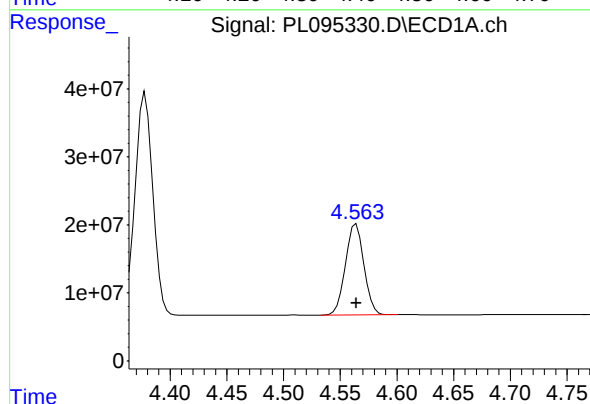
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 343969506
Conc: 75.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



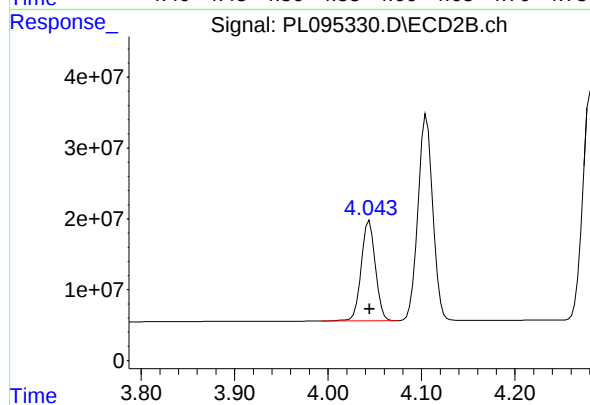
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 308300056
Conc: 74.72 ng/ml



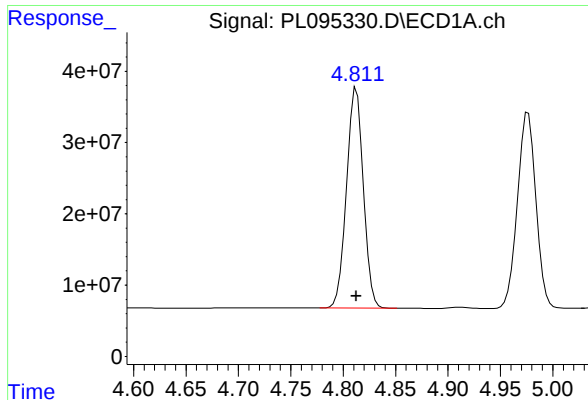
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 151230250
Conc: 75.56 ng/ml



#6 beta-BHC

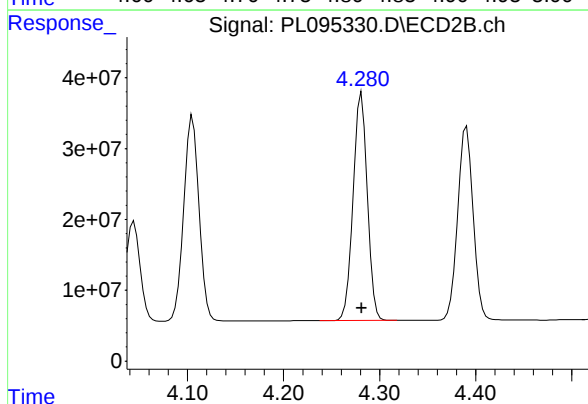
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 149486612
Conc: 74.69 ng/ml



#7 delta-BHC

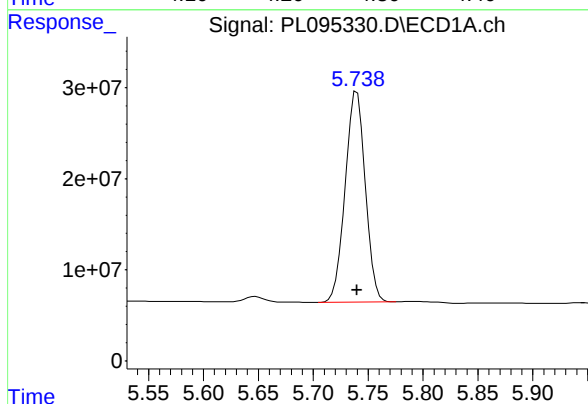
R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 347489339
Conc: 75.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



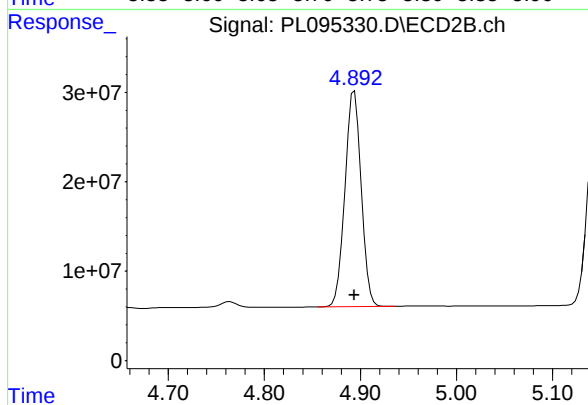
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.000 min
Response: 330298127
Conc: 74.71 ng/ml



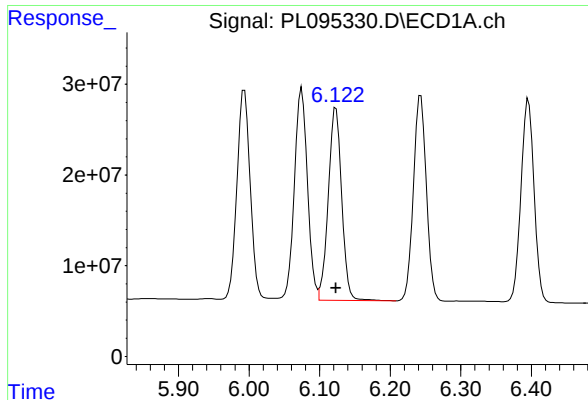
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 295075873
Conc: 75.51 ng/ml



#8 Heptachlor epoxide

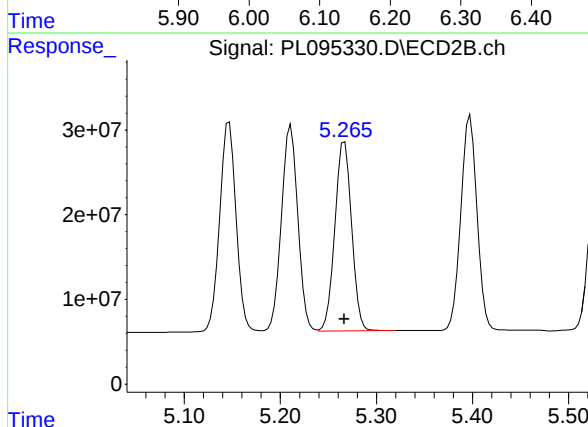
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 281865797
Conc: 74.19 ng/ml



#9 Endosulfan I

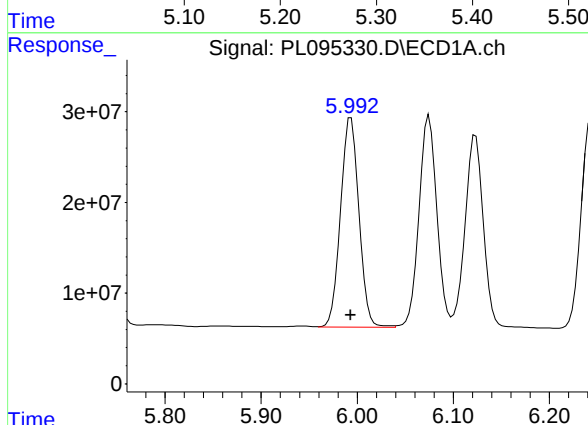
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 280667118
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



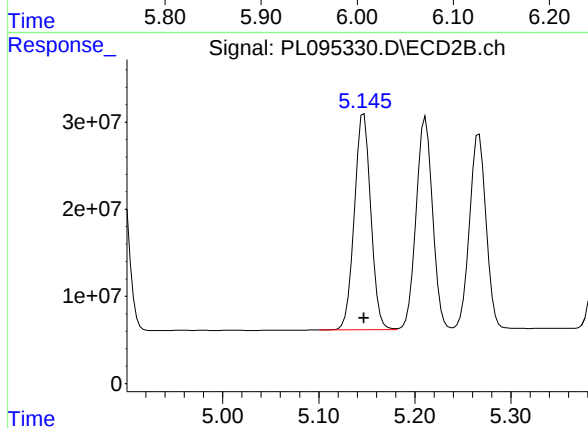
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 267059488
Conc: 73.74 ng/ml



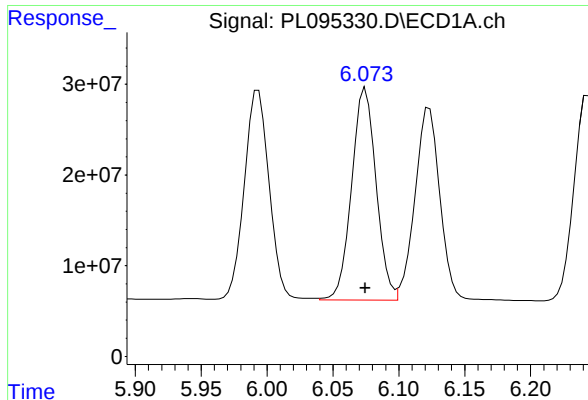
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 304444005
Conc: 75.55 ng/ml



#10 gamma-Chlordane

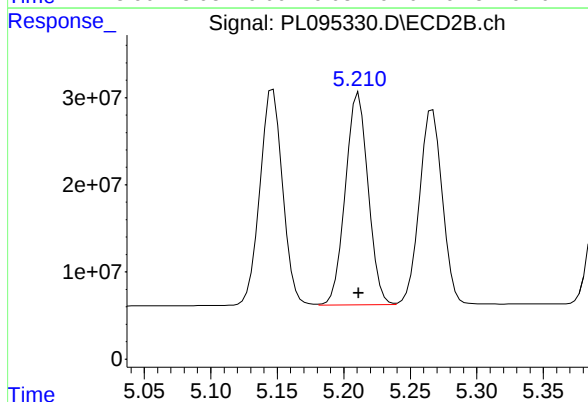
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 294564763
Conc: 73.79 ng/ml



#11 alpha-Chlordane

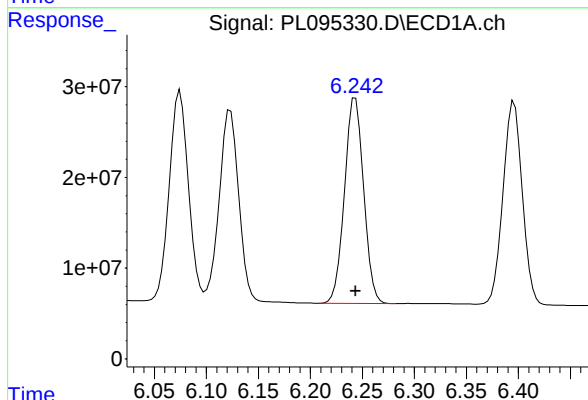
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 302276319
Conc: 75.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



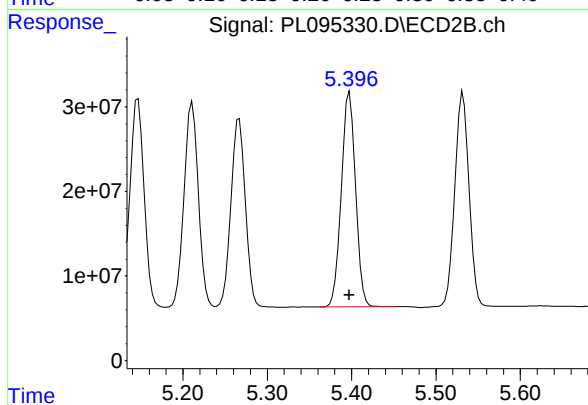
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 289691684
Conc: 73.89 ng/ml



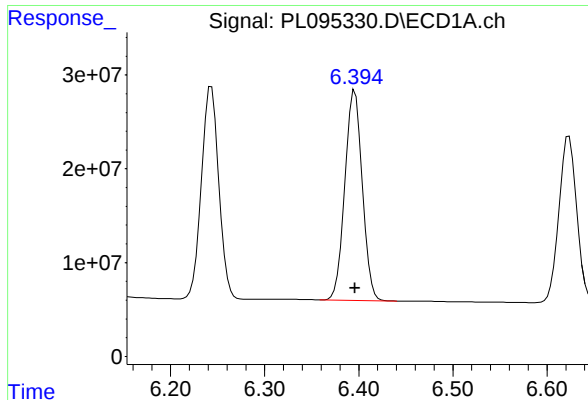
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 289827813
Conc: 75.44 ng/ml



#12 4,4'-DDE

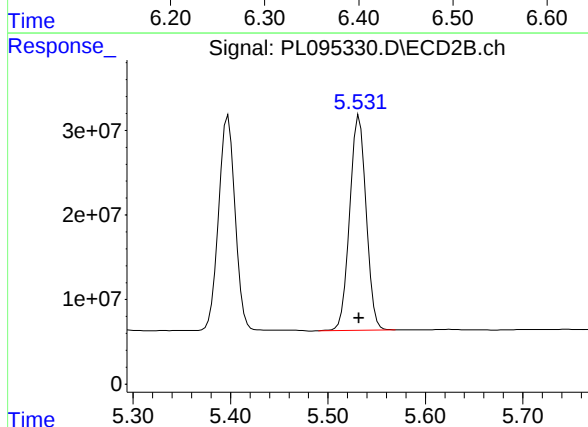
R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 297457686
Conc: 73.81 ng/ml



#13 Dieldrin

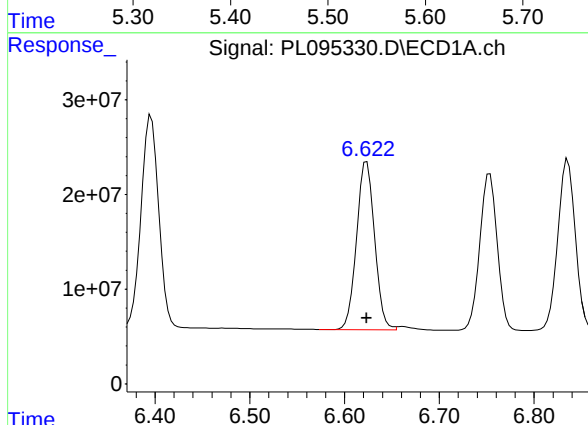
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 288216681
Conc: 75.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



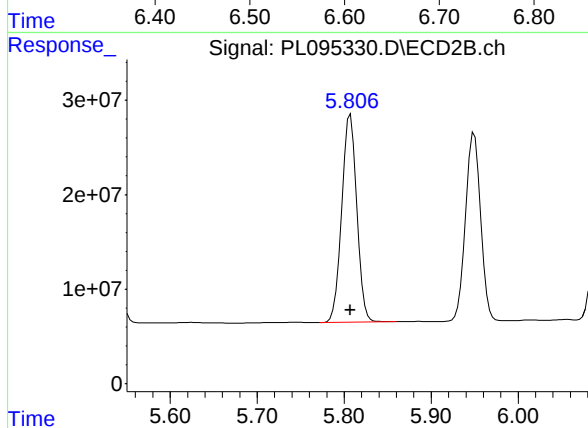
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 297383658
Conc: 74.20 ng/ml



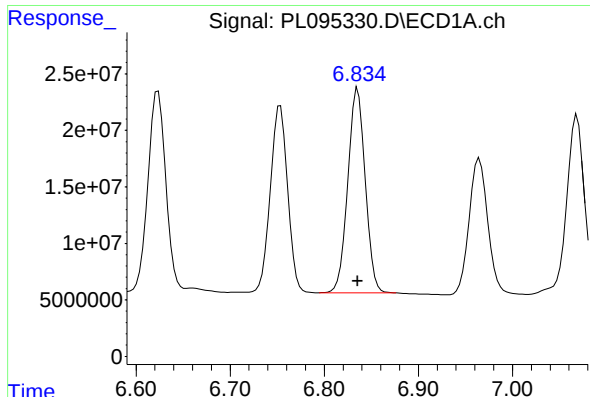
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 235125435
Conc: 75.48 ng/ml



#14 Endrin

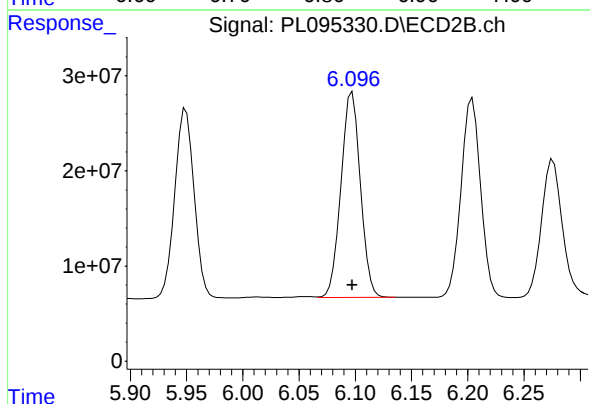
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 265946466
Conc: 73.83 ng/ml



#15 Endosulfan II

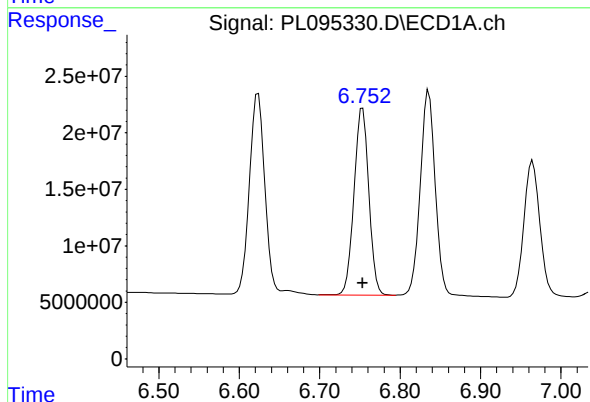
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 232764280
Conc: 75.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



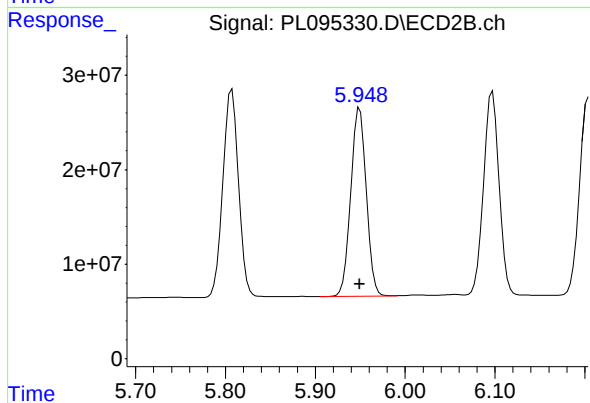
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 260085386
Conc: 73.96 ng/ml



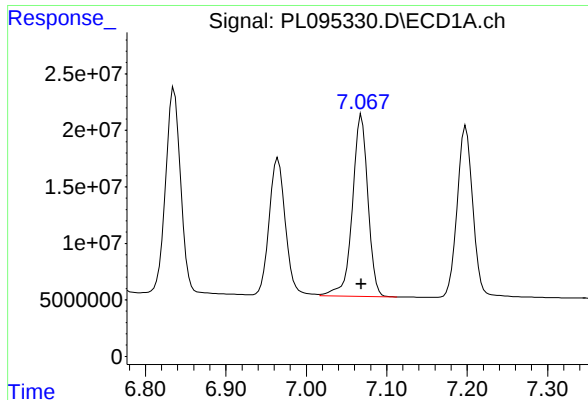
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 211508192
Conc: 75.61 ng/ml



#16 4,4'-DDD

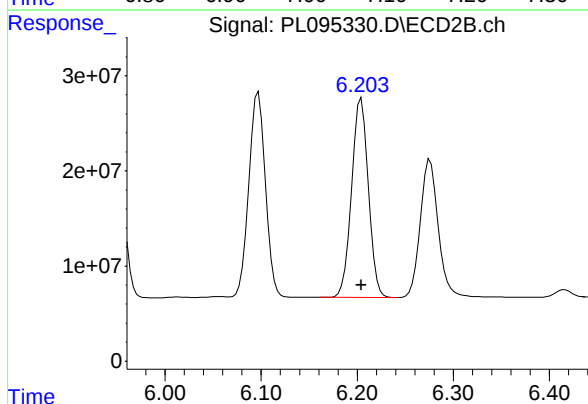
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 239572214
Conc: 73.83 ng/ml



#17 4,4'-DDT

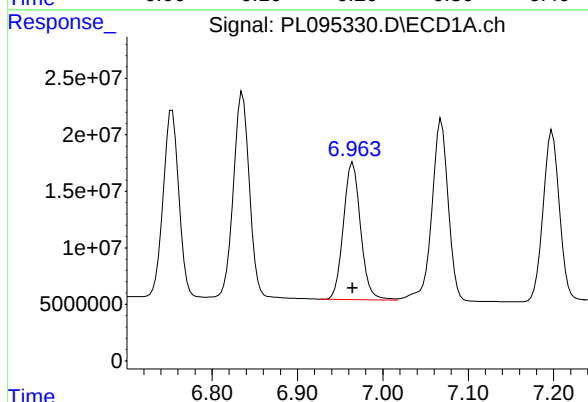
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 214925152
Conc: 75.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



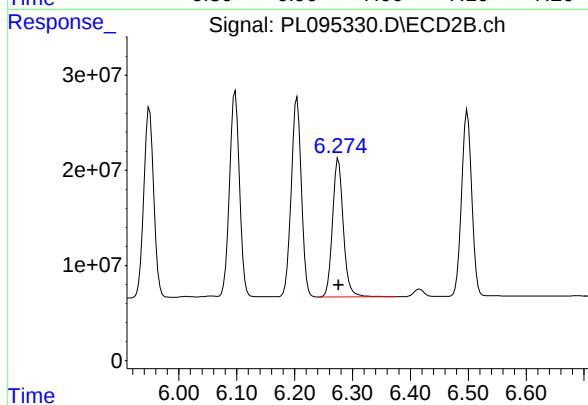
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 253306887
Conc: 73.60 ng/ml



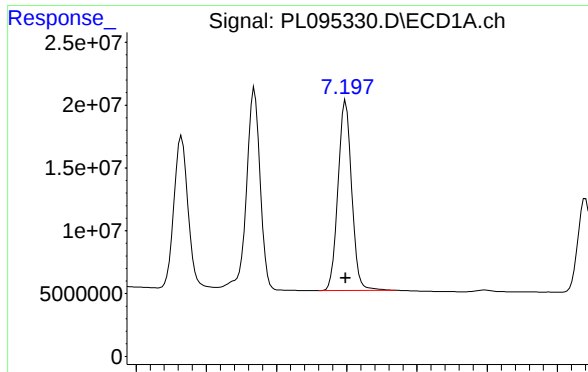
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 169615564
Conc: 75.32 ng/ml



#18 Endrin aldehyde

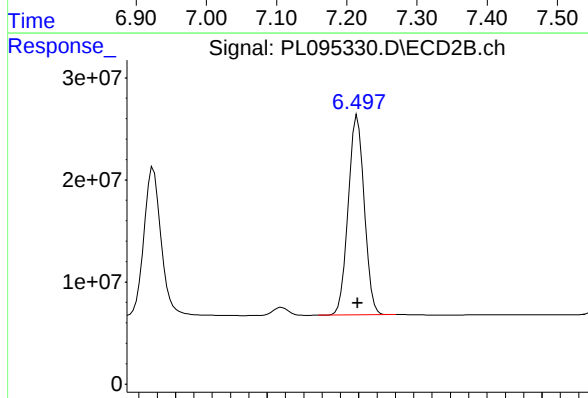
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 189145520
Conc: 73.99 ng/ml



#19 Endosulfan Sulfate

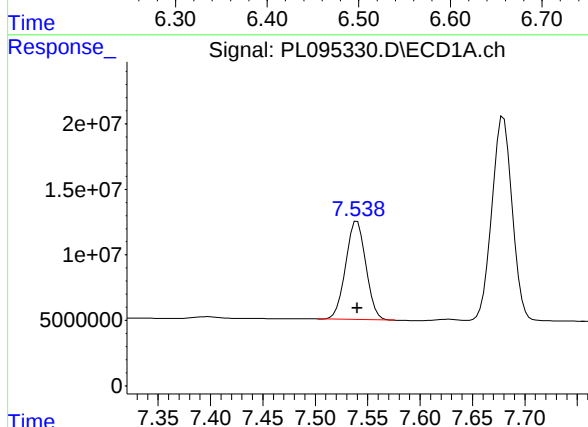
R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 204798645
Conc: 75.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



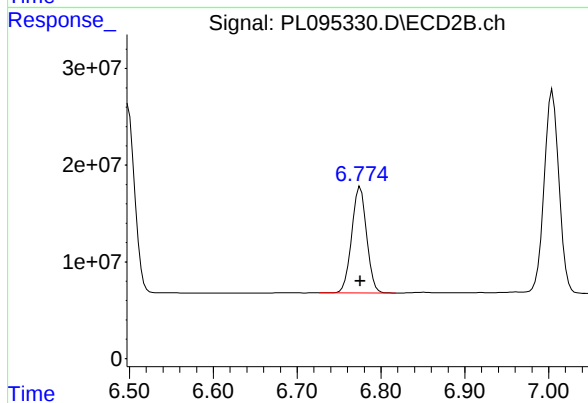
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 238743040
Conc: 73.74 ng/ml



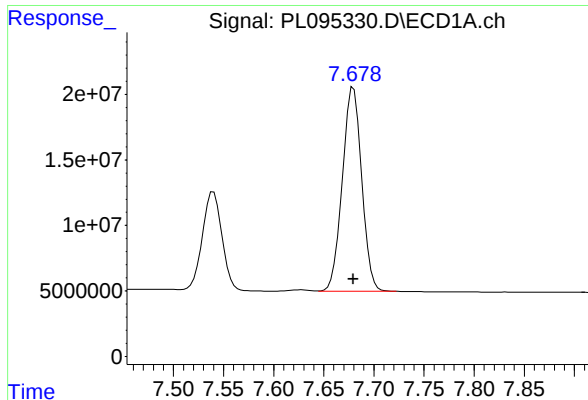
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 101220348
Conc: 75.31 ng/ml



#20 Methoxychlor

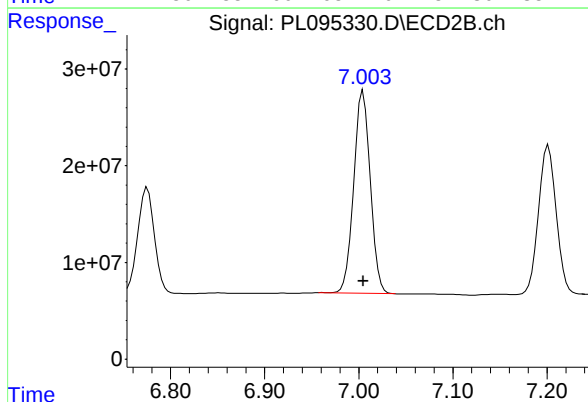
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 135415410
Conc: 73.39 ng/ml



#21 Endrin ketone

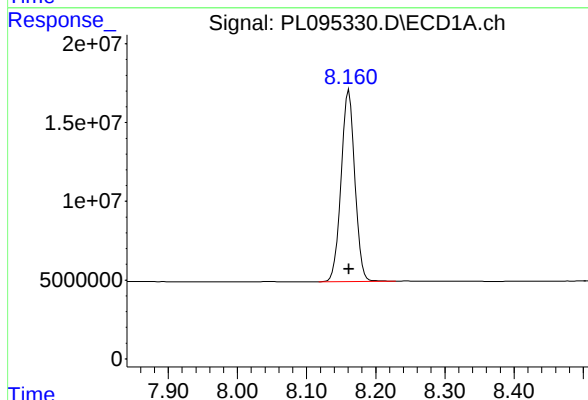
R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 208925085
Conc: 75.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



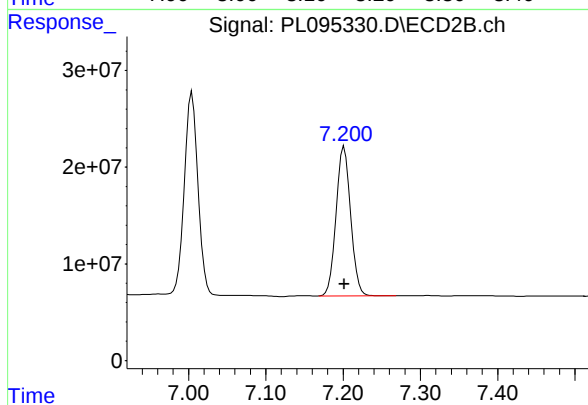
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 256024283
Conc: 73.87 ng/ml



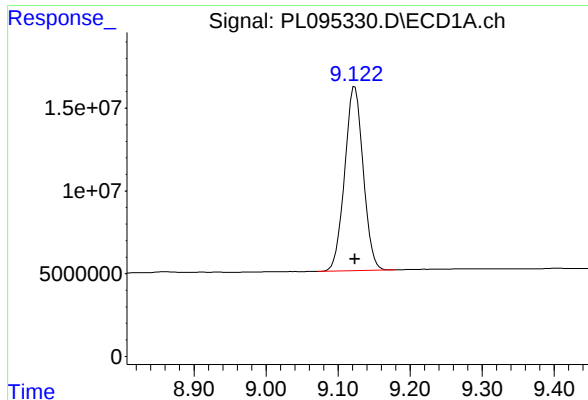
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 167259178
Conc: 75.14 ng/ml



#22 Mirex

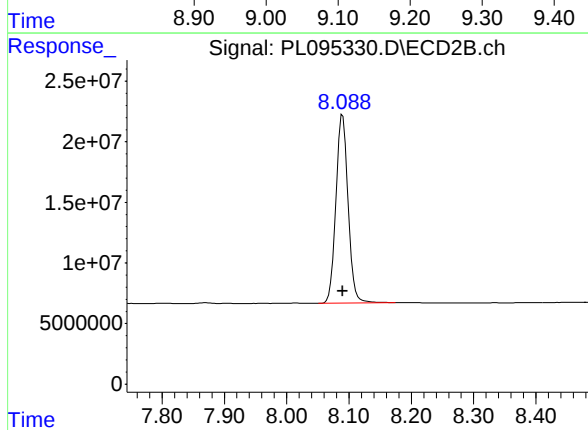
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 202555085
Conc: 73.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 198234966
Conc: 74.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 210388999
Conc: 73.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:59
 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: Apr 23 12:26:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.906	156.1E6	151.5E6	50.000	50.000
28) SA Decachlor...	9.122	8.089	132.2E6	141.0E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	4.046	3.416	238.7E6	214.9E6	50.000	50.000
3) MA gamma-BHC...	4.377	3.750	227.5E6	211.4E6	50.000	50.000
4) MA Heptachlor	4.976	4.104	218.9E6	207.7E6	50.000	50.000
5) MB Aldrin	5.318	4.390	220.1E6	196.6E6	50.000	50.000
6) B beta-BHC	4.564	4.044	98262466	97170224	50.000	50.000
7) B delta-BHC	4.812	4.280	221.2E6	210.5E6	50.000	50.000
8) B Heptachlo...	5.739	4.893	190.1E6	183.5E6	50.000	50.000
9) A Endosulfan I	6.123	5.267	181.3E6	174.9E6	50.000	50.000
10) B gamma-Chl...	5.994	5.147	195.3E6	191.0E6	50.000	50.000
11) B alpha-Chl...	6.075	5.211	194.3E6	188.3E6	50.000	50.000
12) B 4,4'-DDE	6.243	5.397	186.7E6	193.3E6	50.000	50.000
13) MA Dieldrin	6.396	5.532	183.9E6	191.1E6	50.000	50.000
14) MA Endrin	6.623	5.807	151.5E6	173.0E6	50.000	50.000
15) B Endosulfa...	6.835	6.097	150.1E6	169.2E6	50.000	50.000
16) A 4,4'-DDD	6.753	5.949	135.4E6	154.5E6	50.000	50.000
17) MA 4,4'-DDT	7.069	6.204	138.0E6	163.9E6	50.000	50.000
18) B Endrin al...	6.964	6.275	110.9E6	123.6E6	50.000	50.000
19) B Endosulfa...	7.198	6.498	133.4E6	156.9E6	50.000	50.000
20) A Methoxychlor	7.540	6.775	66506986	90587055	50.000	50.000
21) B Endrin ke...	7.679	7.004	136.0E6	167.7E6	50.000	50.000
22) Mirex	8.161	7.202	111.7E6	135.8E6	50.000	50.000

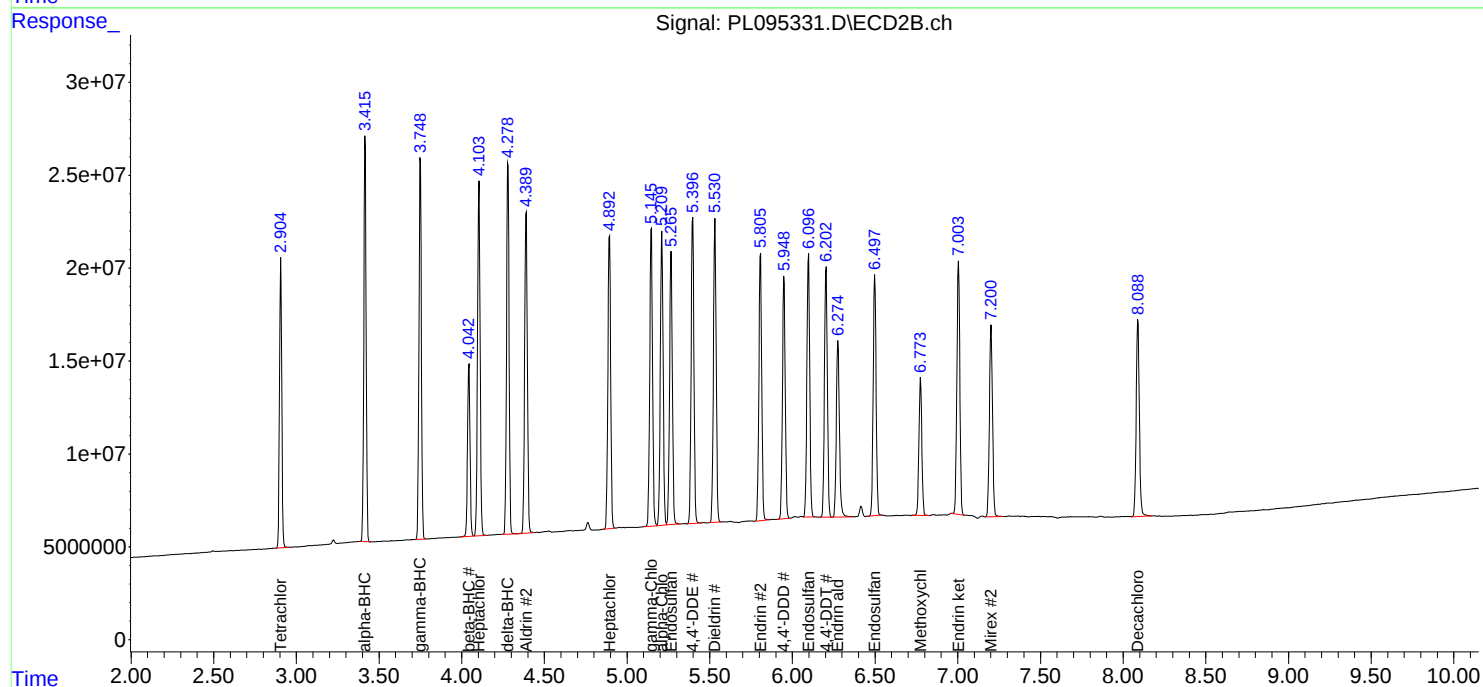
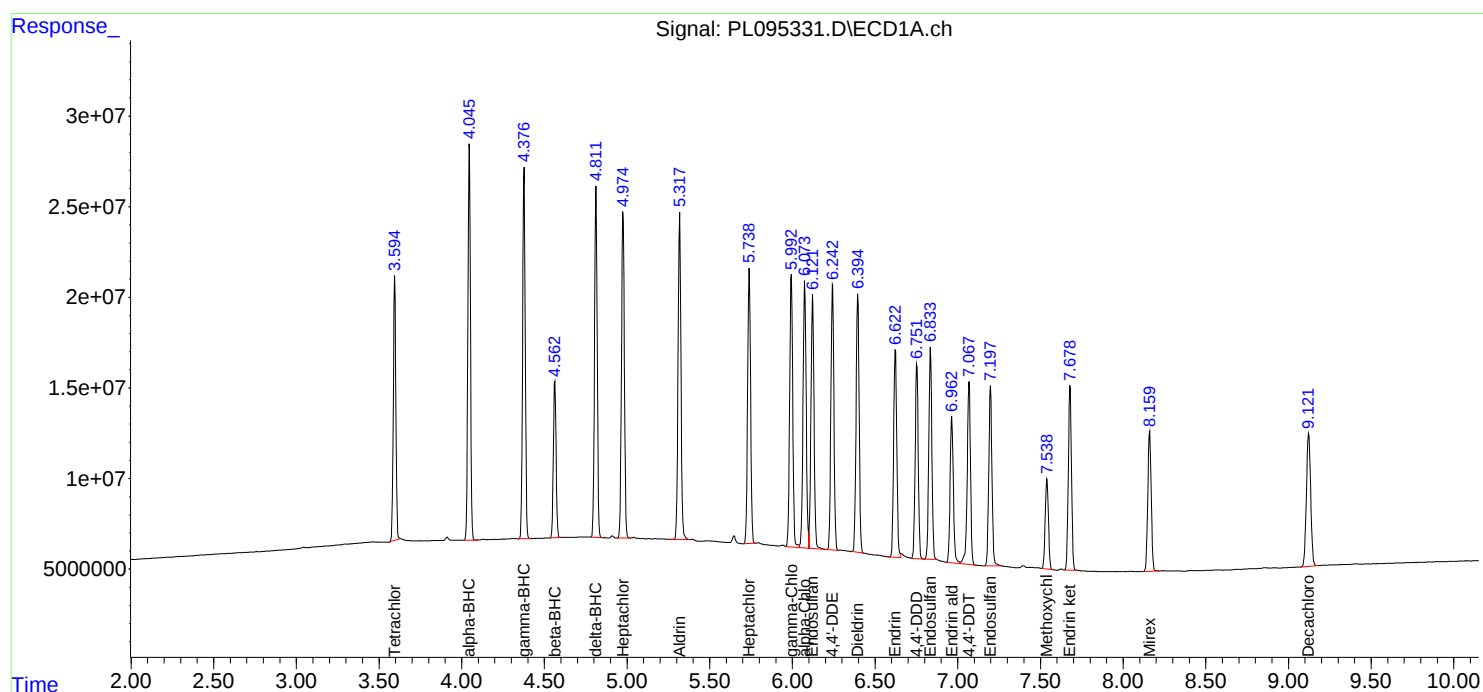
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

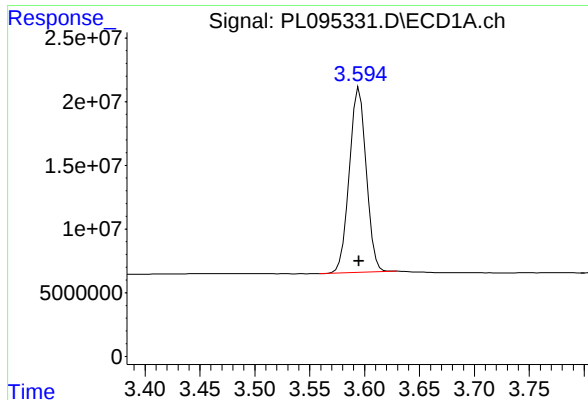
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

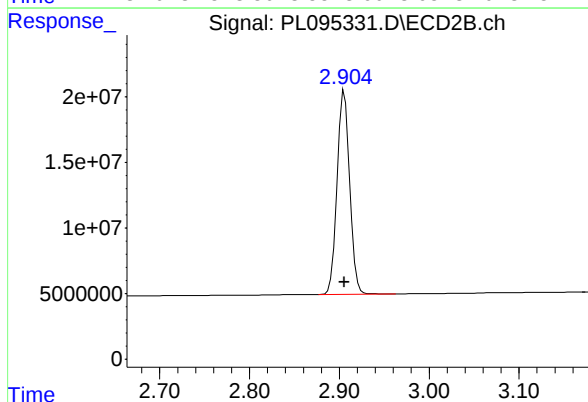




#1 Tetrachloro-m-xylene

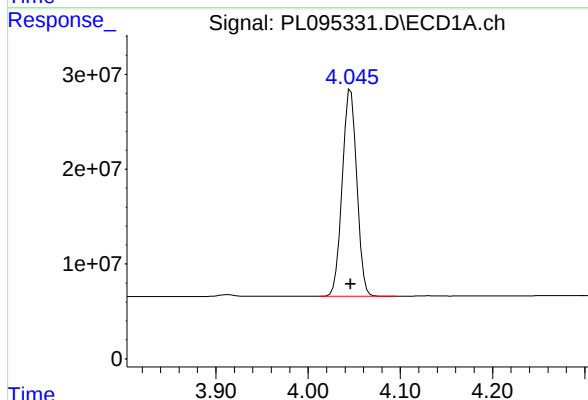
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 156057142
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



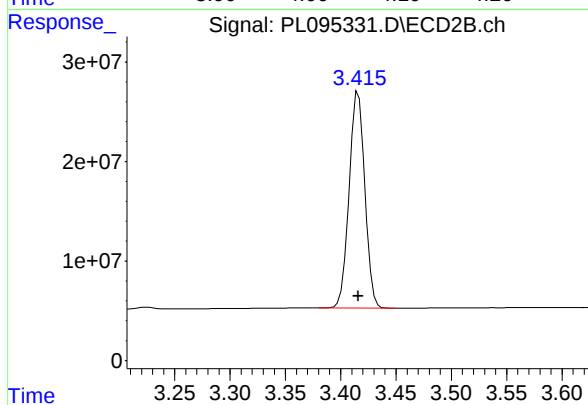
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 151545169
Conc: 50.00 ng/ml



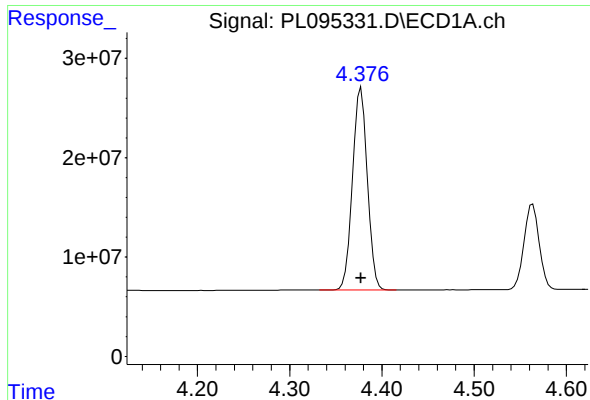
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 238716345
Conc: 50.00 ng/ml



#2 alpha-BHC

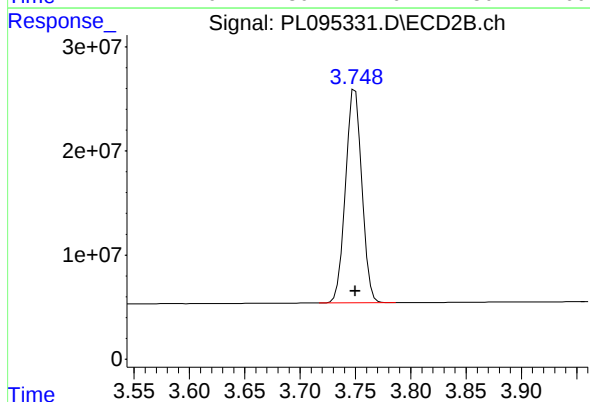
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 214862057
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

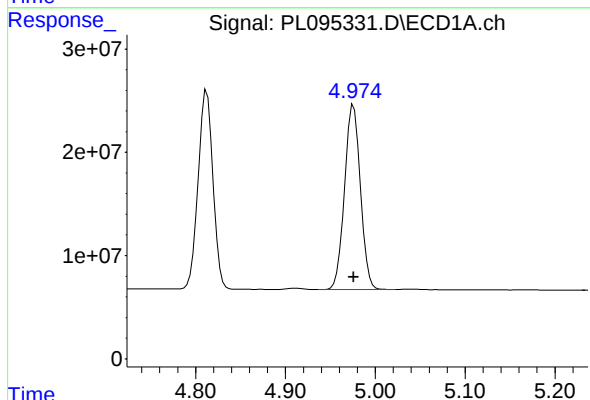
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 227488019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



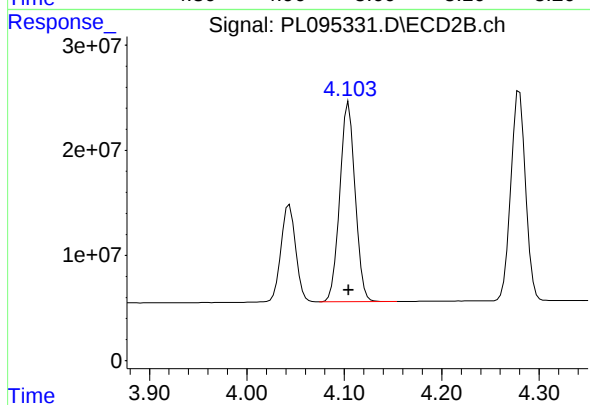
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 211420886
Conc: 50.00 ng/ml



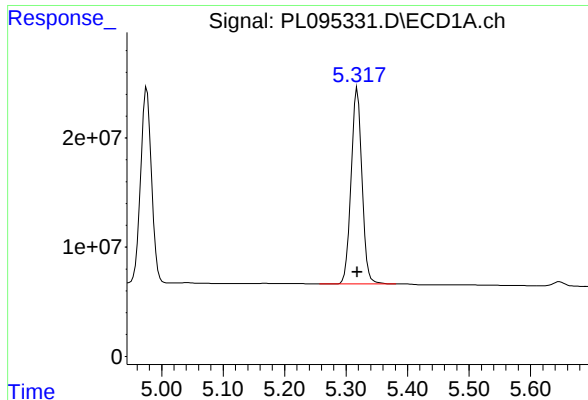
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 218889461
Conc: 50.00 ng/ml



#4 Heptachlor

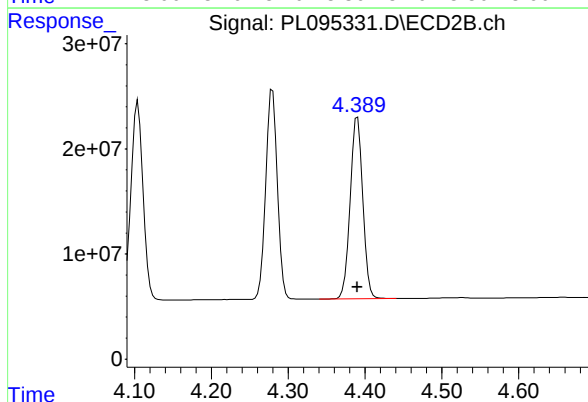
R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 207720997
Conc: 50.00 ng/ml



#5 Aldrin

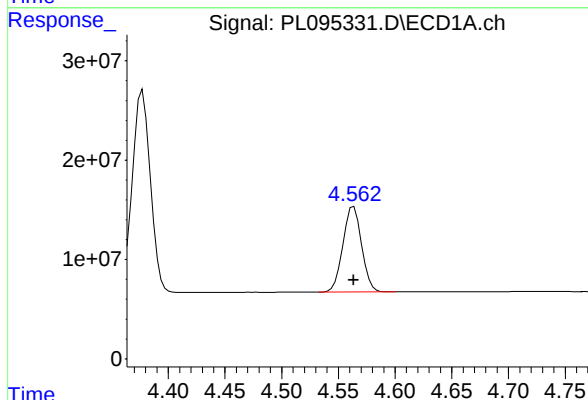
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 220066140
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



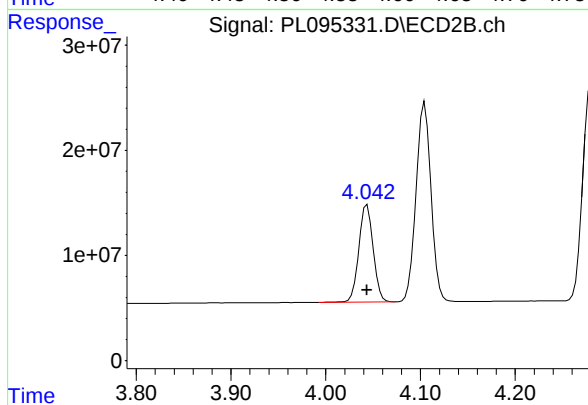
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 196600026
Conc: 50.00 ng/ml



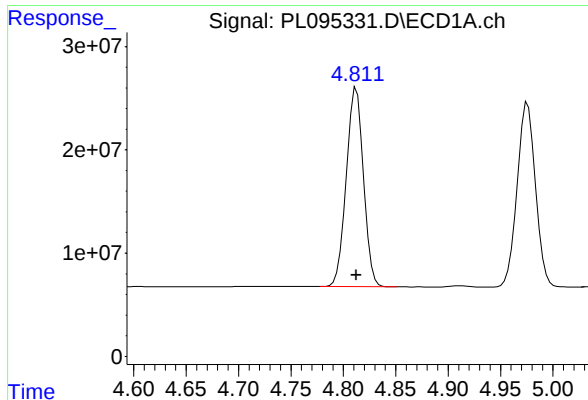
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 98262466
Conc: 50.00 ng/ml



#6 beta-BHC

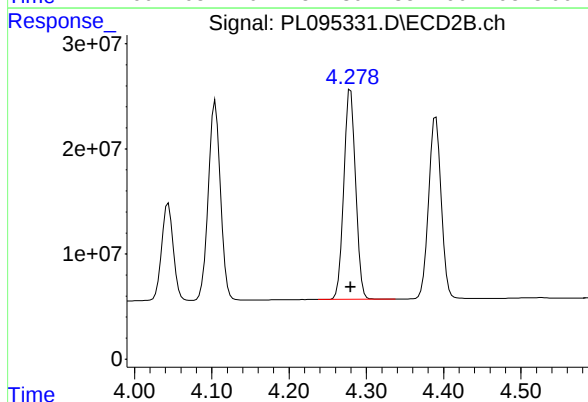
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 97170224
Conc: 50.00 ng/ml



#7 delta-BHC

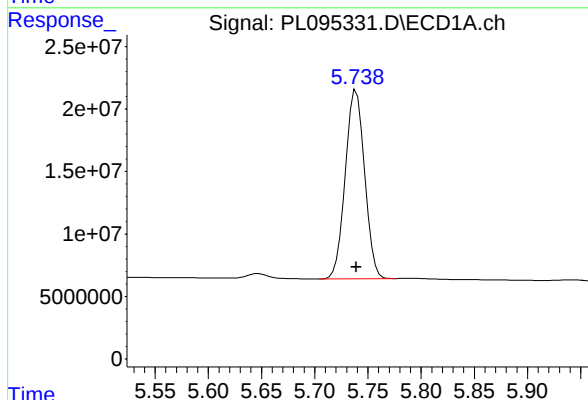
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 221209359
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



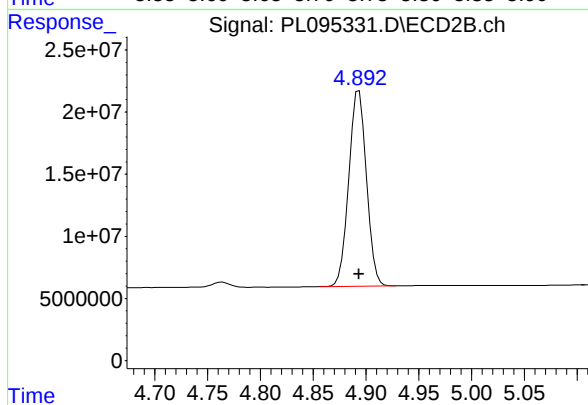
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 210531915
Conc: 50.00 ng/ml



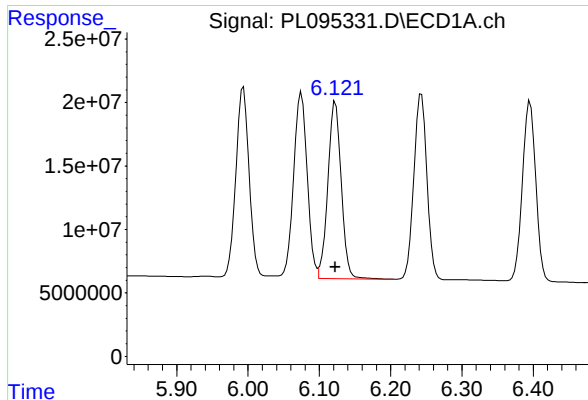
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 190059310
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

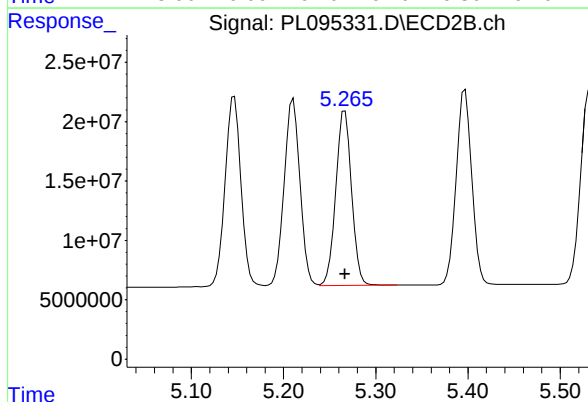
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 183471014
Conc: 50.00 ng/ml



#9 Endosulfan I

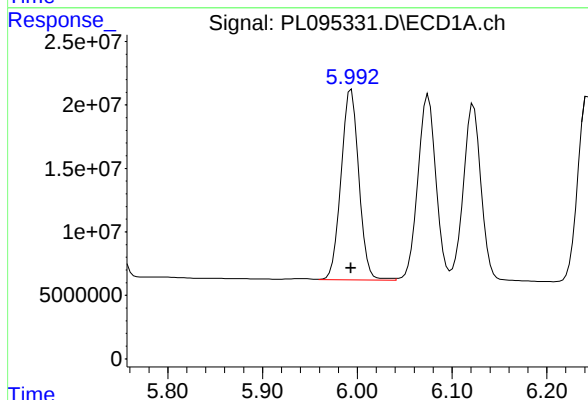
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 181331514
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



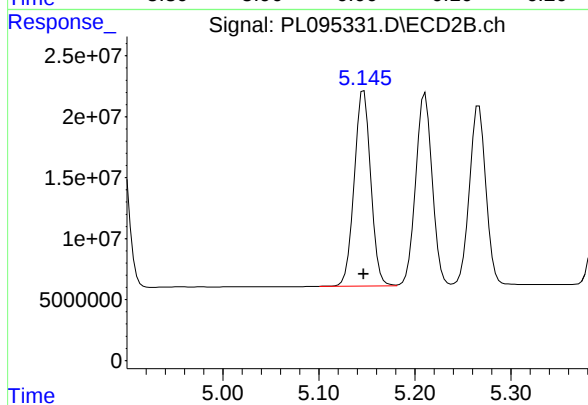
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 174855063
Conc: 50.00 ng/ml



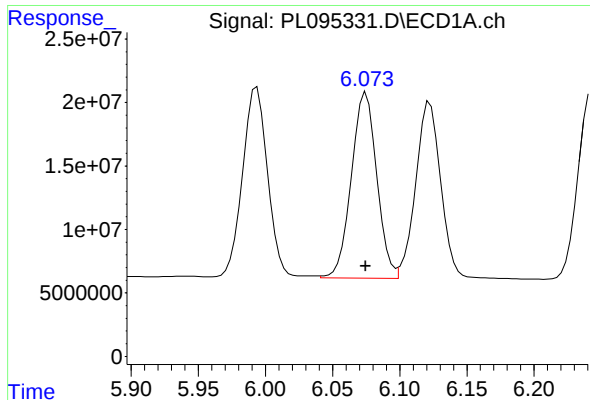
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 195277390
Conc: 50.00 ng/ml



#10 gamma-Chlordane

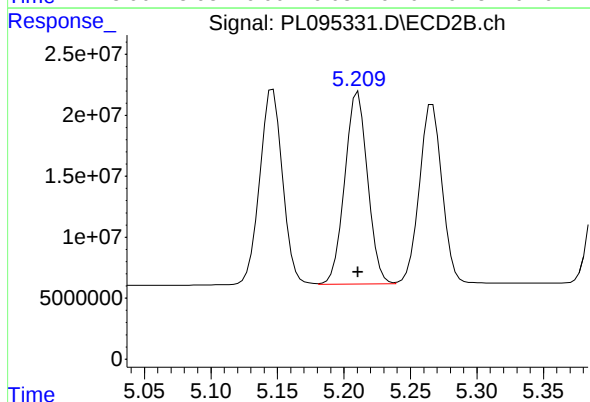
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 191000971
Conc: 50.00 ng/ml



#11 alpha-Chlordane

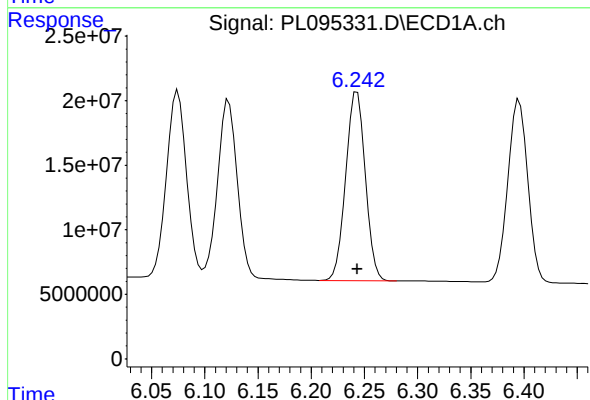
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 194300314
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



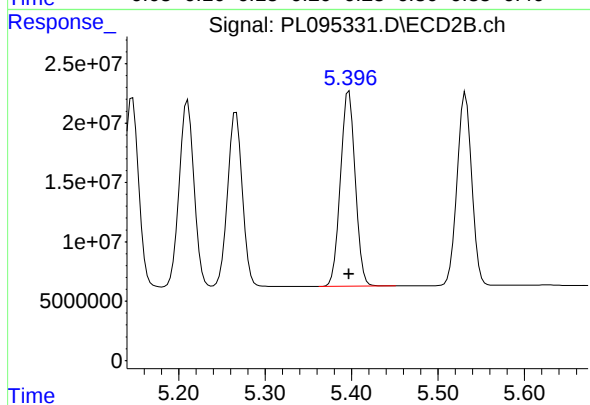
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 188256243
Conc: 50.00 ng/ml



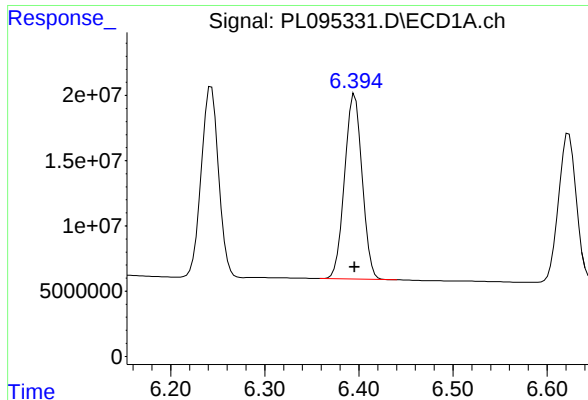
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 186685923
Conc: 50.00 ng/ml



#12 4,4'-DDE

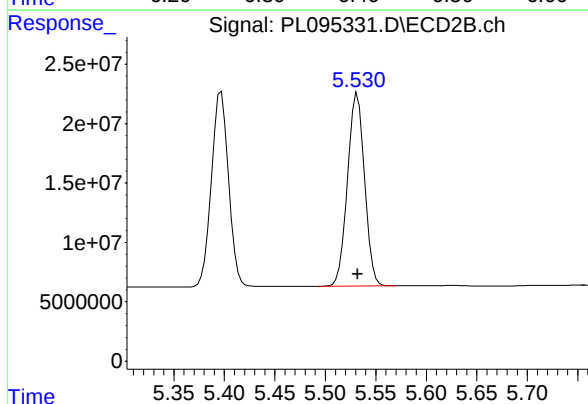
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 193266652
Conc: 50.00 ng/ml



#13 Dieldrin

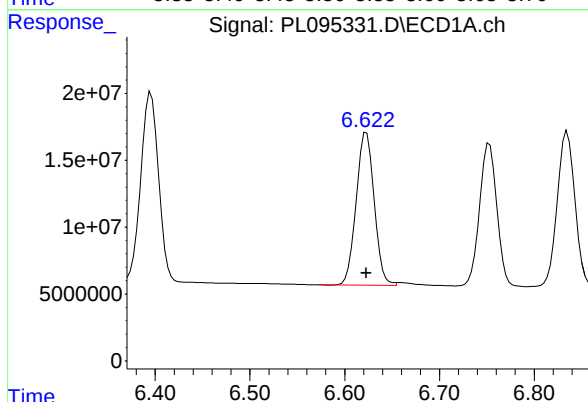
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 183933353
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



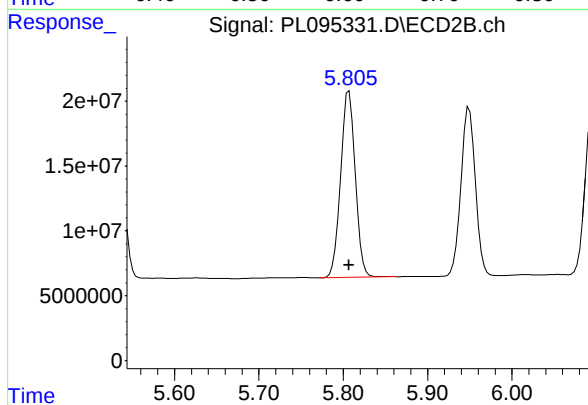
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 191070370
Conc: 50.00 ng/ml



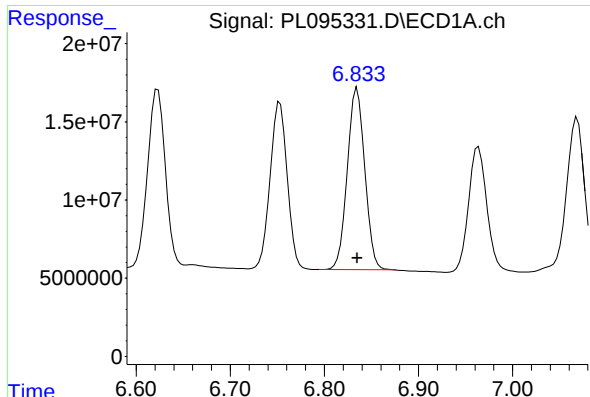
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 151468547
Conc: 50.00 ng/ml



#14 Endrin

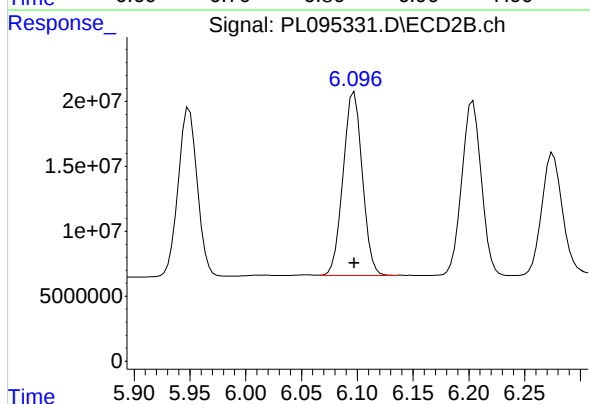
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 173012074
Conc: 50.00 ng/ml



#15 Endosulfan II

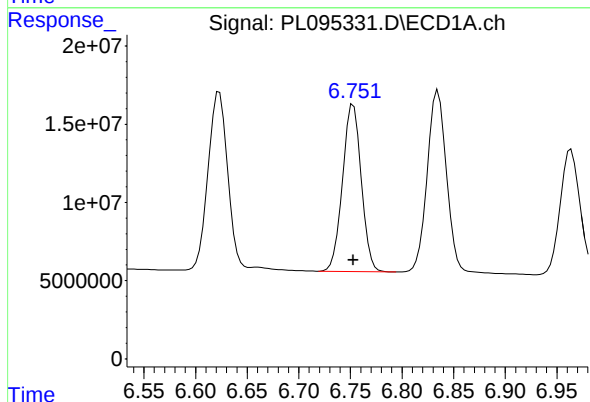
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 150136467
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



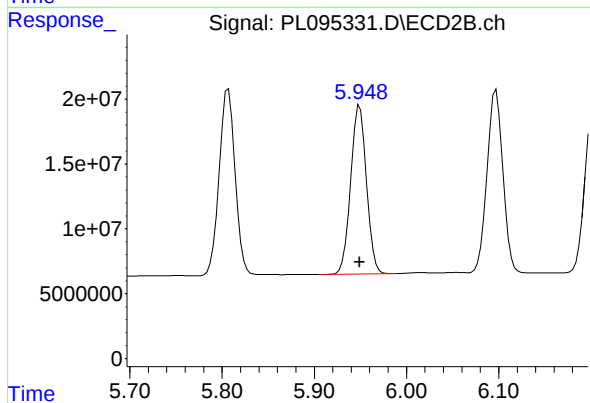
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 169194430
Conc: 50.00 ng/ml



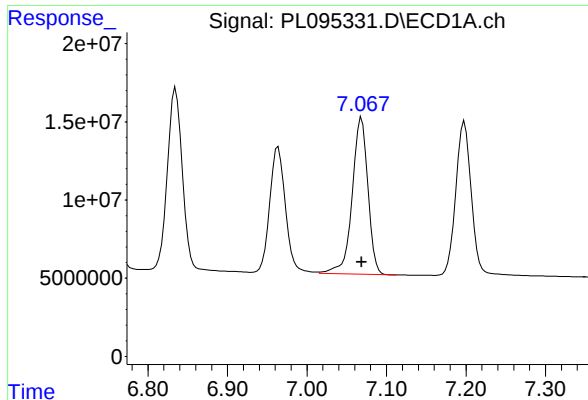
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 135370128
Conc: 50.00 ng/ml



#16 4,4'-DDD

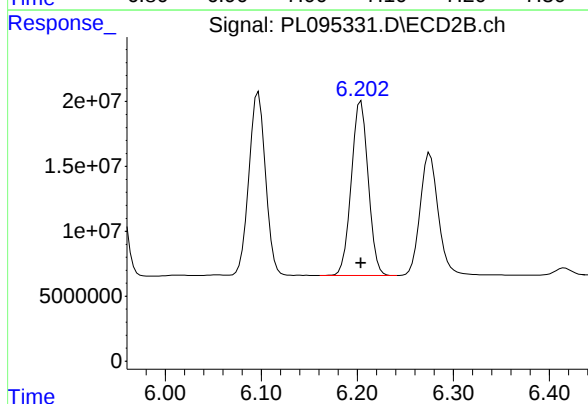
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 154470926
Conc: 50.00 ng/ml



#17 4,4'-DDT

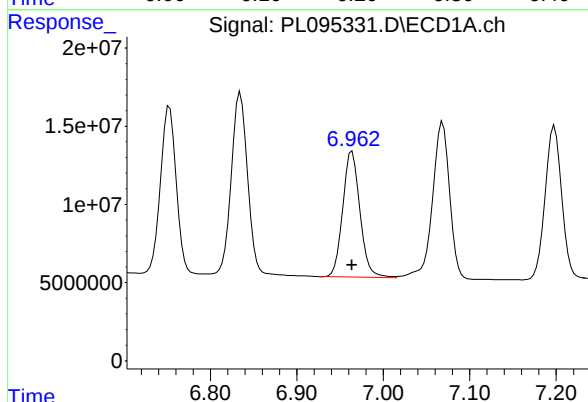
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 138014497
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



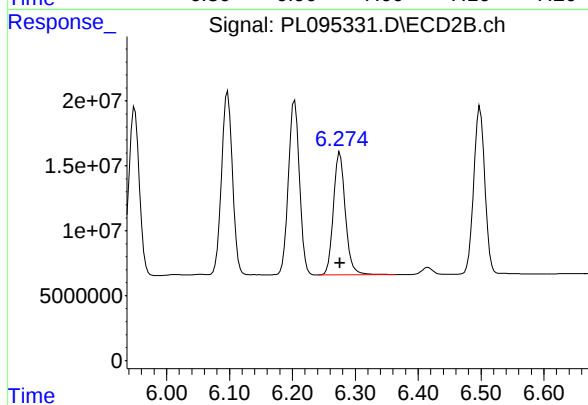
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 163865649
Conc: 50.00 ng/ml



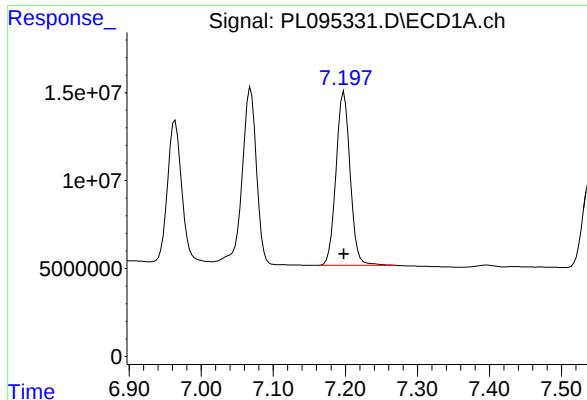
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 110876762
Conc: 50.00 ng/ml



#18 Endrin aldehyde

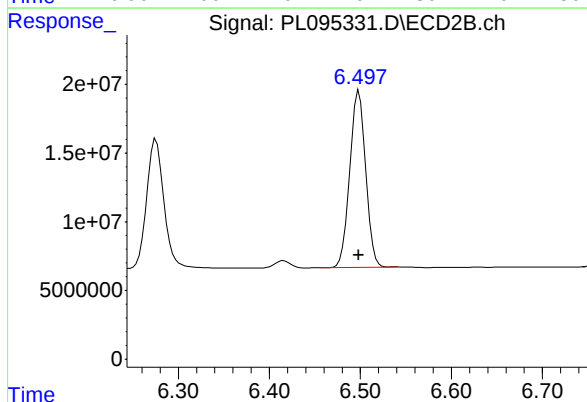
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 123643969
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

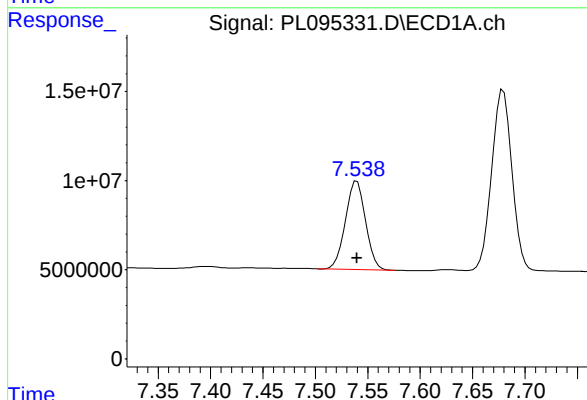
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 133416138
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



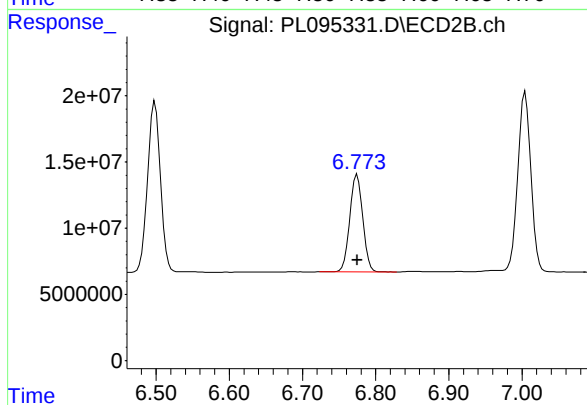
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 156854144
Conc: 50.00 ng/ml



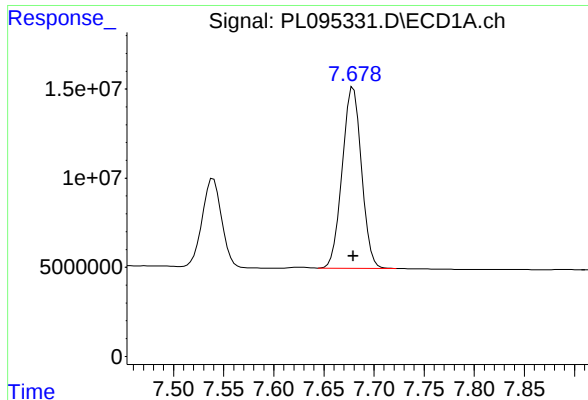
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 66506986
Conc: 50.00 ng/ml



#20 Methoxychlor

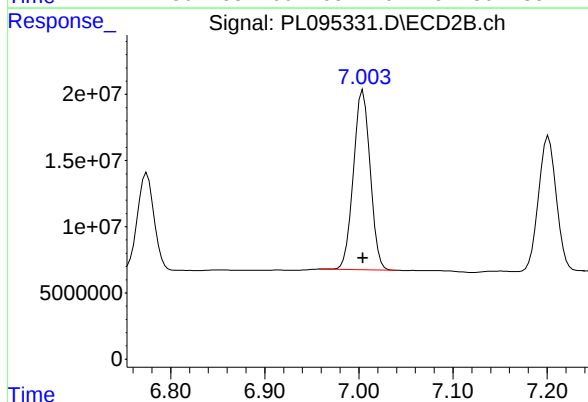
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 90587055
Conc: 50.00 ng/ml



#21 Endrin ketone

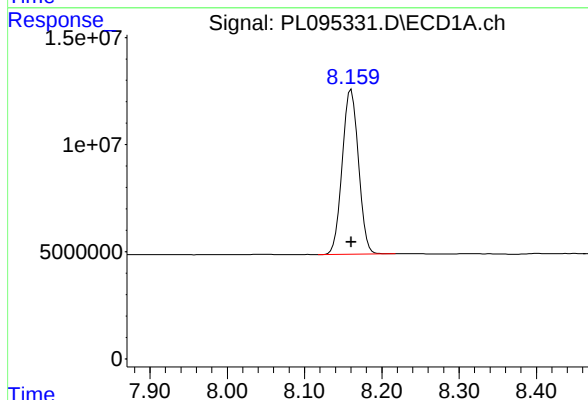
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 135960297
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



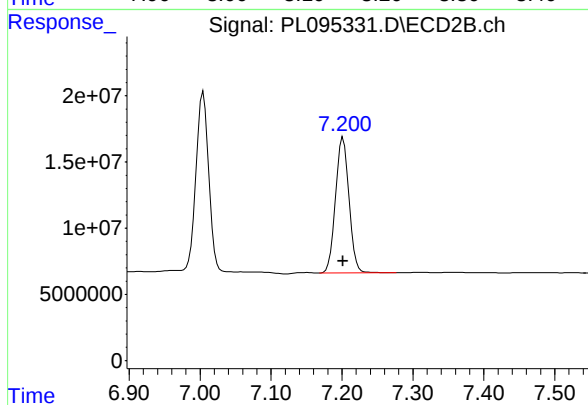
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 167739735
Conc: 50.00 ng/ml



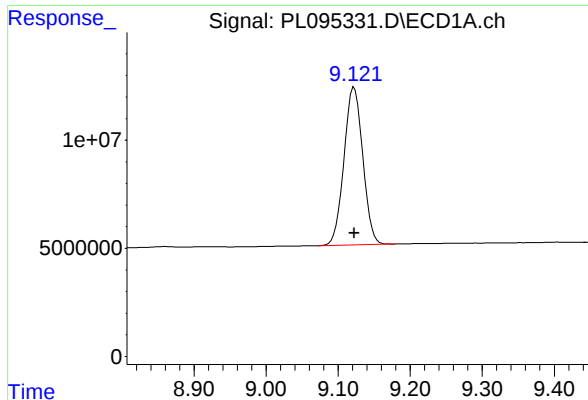
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 111665092
Conc: 50.00 ng/ml



#22 Mirex

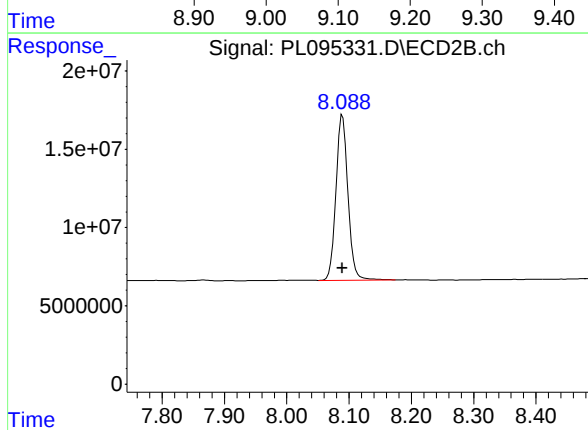
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 135843022
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 132162192
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 140963039
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:12
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:33:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.906	82279109	79670448	25.556	25.405
28) SA Decachlor...	9.124	8.090	70535847	76004301	26.234	26.034
Target Compounds						
2) A alpha-BHC	4.047	3.416	121.3E6	108.7E6	24.454	24.298
3) MA gamma-BHC...	4.378	3.750	116.7E6	108.7E6	24.751	24.663
4) MA Heptachlor	4.976	4.105	114.4E6	109.1E6	25.344	25.223
5) MB Aldrin	5.318	4.390	113.5E6	102.3E6	24.986	24.836
6) B beta-BHC	4.564	4.044	52142080	53091040	25.782	26.127
7) B delta-BHC	4.812	4.280	114.2E6	107.7E6	24.868	24.518
8) B Heptachlo...	5.740	4.894	100.8E6	97198123	25.588	25.436
9) A Endosulfan I	6.123	5.267	94665753	92648144	25.369	25.433
10) B gamma-Chl...	5.994	5.147	102.0E6	101.3E6	25.228	25.273
11) B alpha-Chl...	6.075	5.211	102.1E6	100.0E6	25.401	25.384
12) B 4,4'-DDE	6.243	5.398	98088772	102.4E6	25.397	25.298
13) MA Dieldrin	6.396	5.532	96281168	101.2E6	25.205	25.192
14) MA Endrin	6.624	5.807	79734368	91669531	25.445	25.334
15) B Endosulfa...	6.836	6.097	80317081	90454520	25.810	25.538
16) A 4,4'-DDD	6.753	5.950	70509869	81698054	25.153	25.132
17) MA 4,4'-DDT	7.068	6.204	71529390	86031617	25.119	24.998
18) B Endrin al...	6.965	6.276	59366165	66150972	26.008	25.651
19) B Endosulfa...	7.198	6.499	71073932	83744169	25.875	25.644
20) A Methoxychlor	7.540	6.775	35648257	48736354	26.126	26.046
21) B Endrin ke...	7.679	7.005	72029844	88886335	25.738	25.482
22) Mirex	8.161	7.200	60846386	74131947	26.712	26.367m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

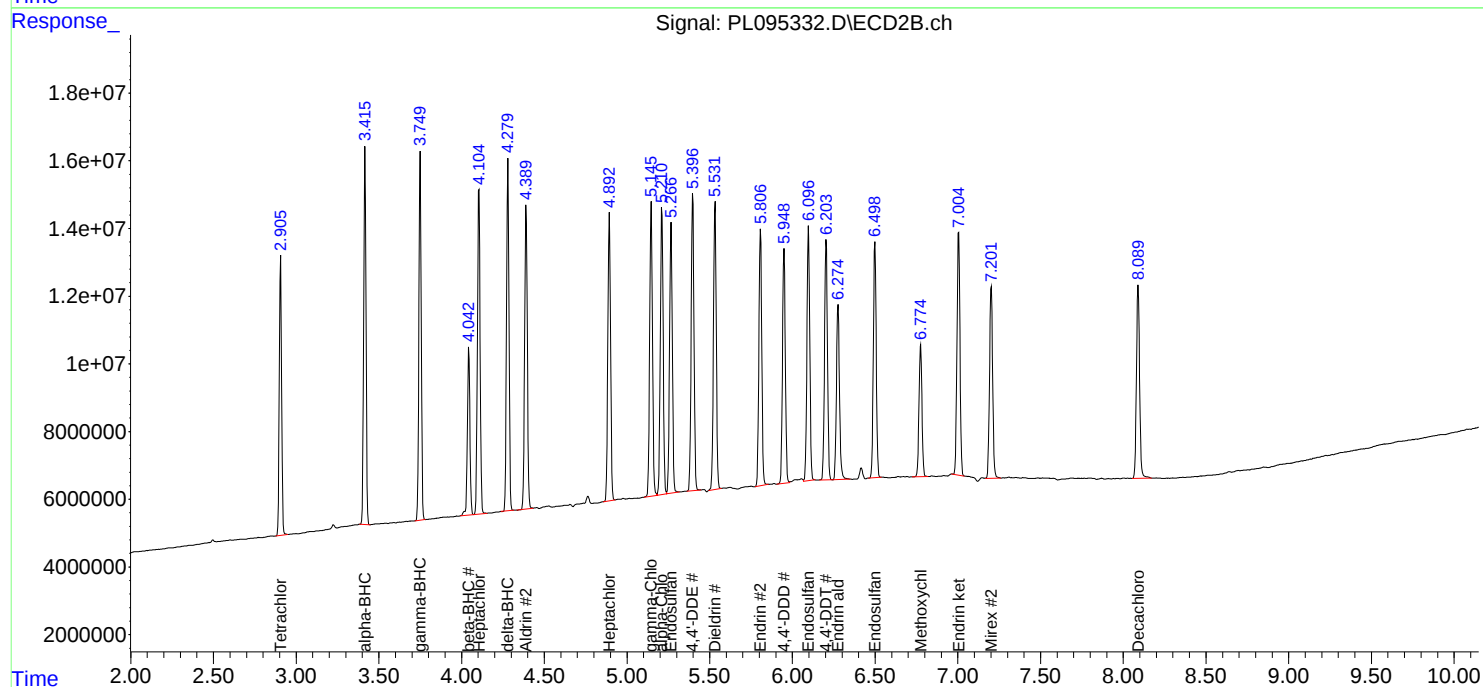
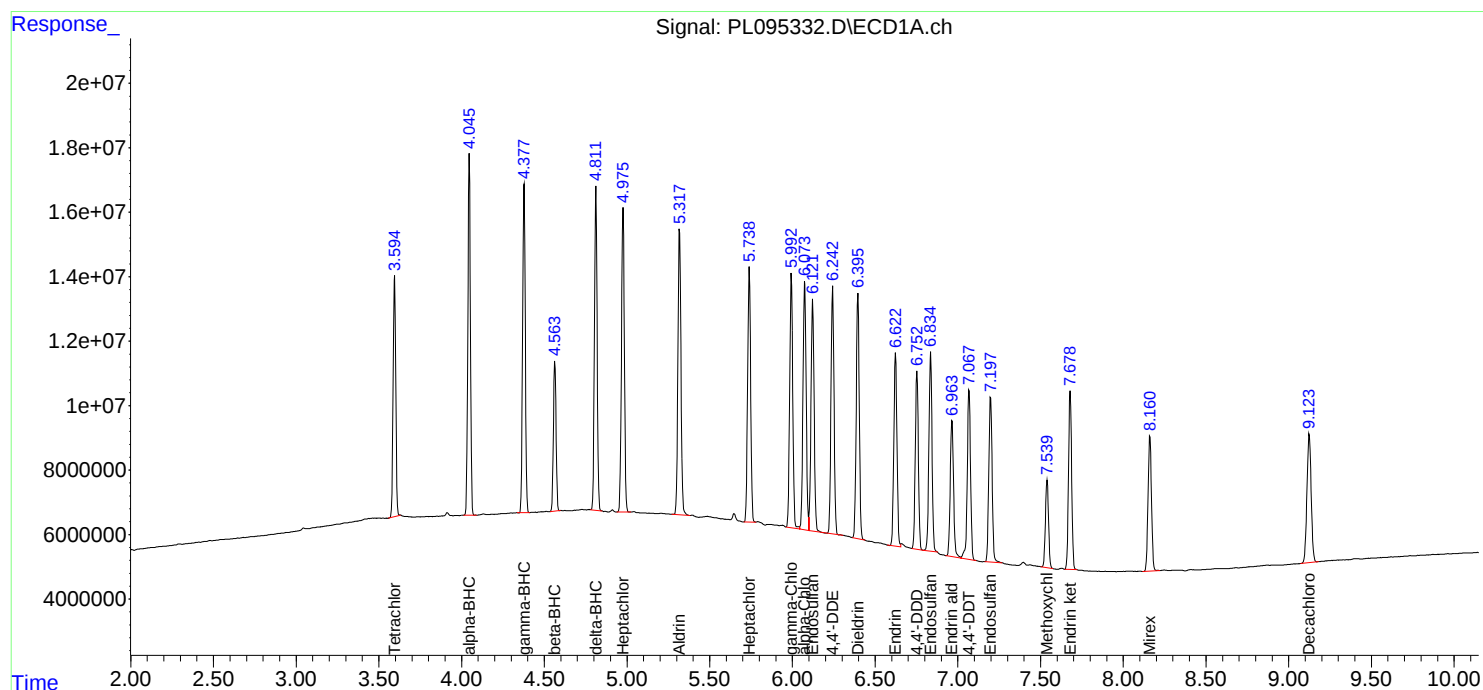
APPROVED

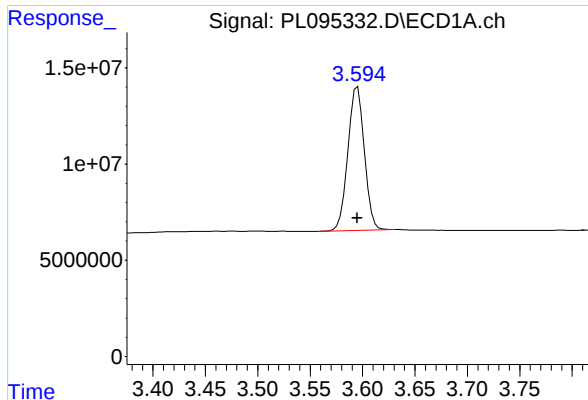
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





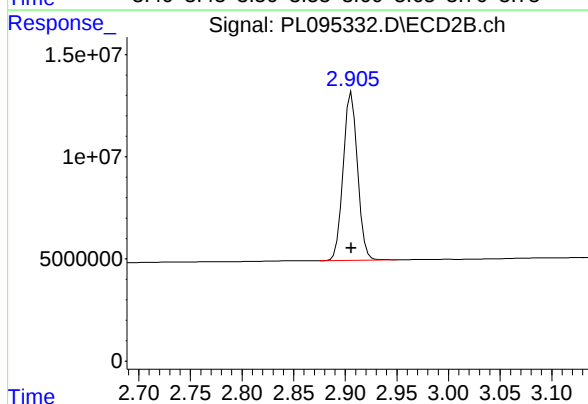
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 82279109
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

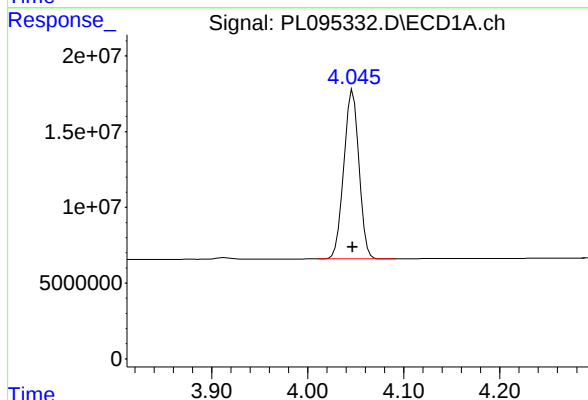
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



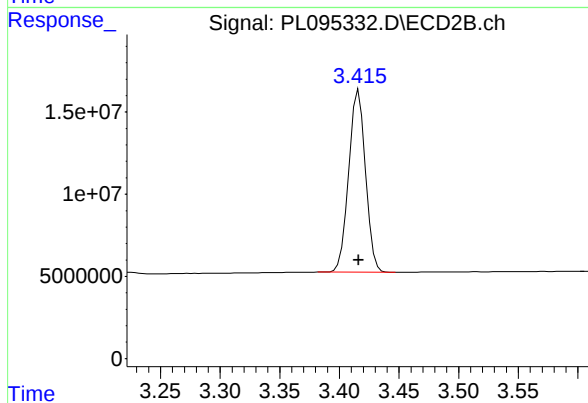
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 79670448
Conc: 25.41 ng/ml



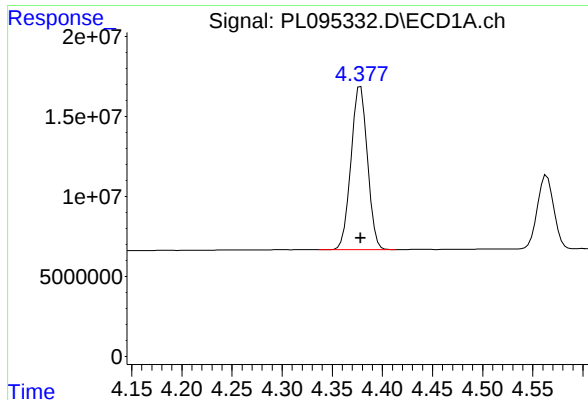
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 121308952
Conc: 24.45 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 108731559
Conc: 24.30 ng/ml



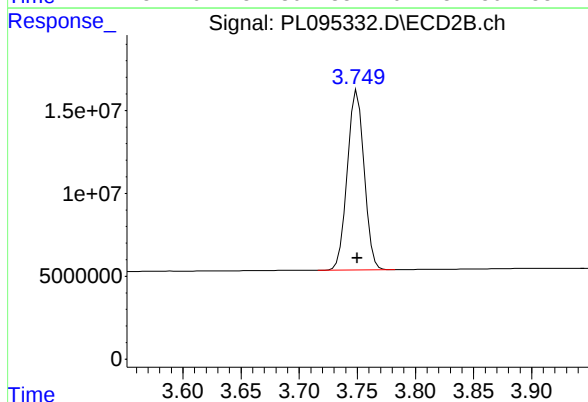
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 116701967
Conc: 24.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

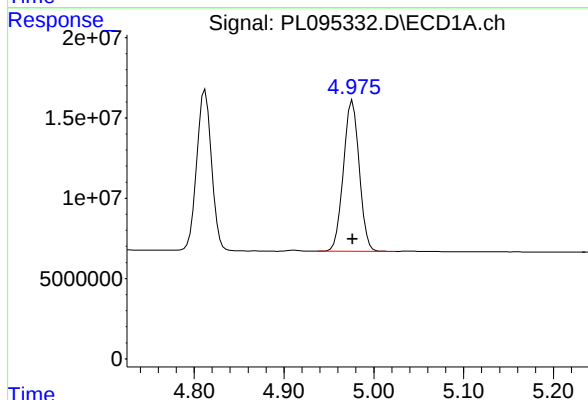
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



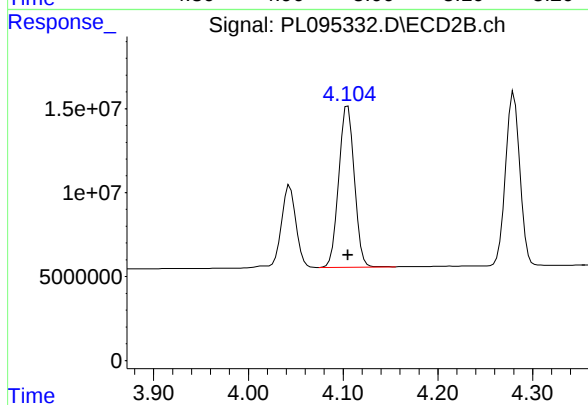
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 108658055
Conc: 24.66 ng/ml



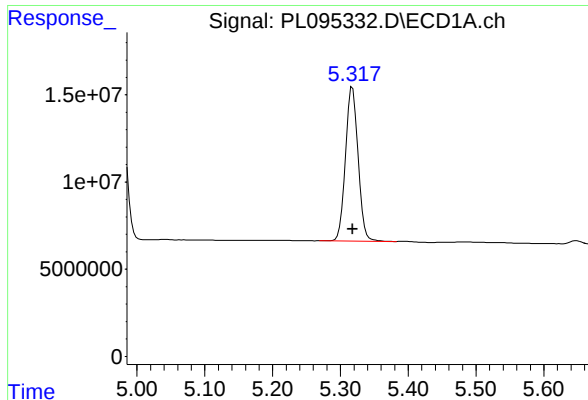
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 114394361
Conc: 25.34 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 109078662
Conc: 25.22 ng/ml



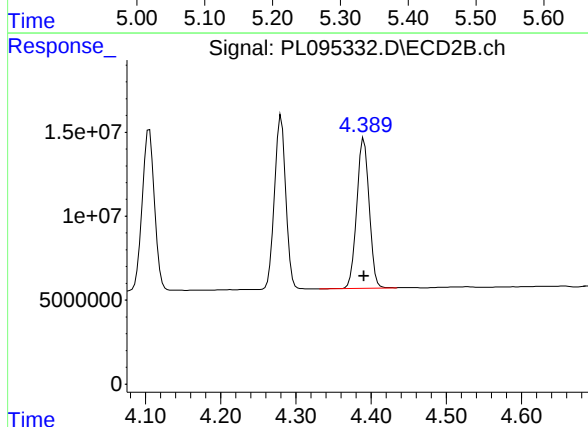
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 113544428
Conc: 24.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

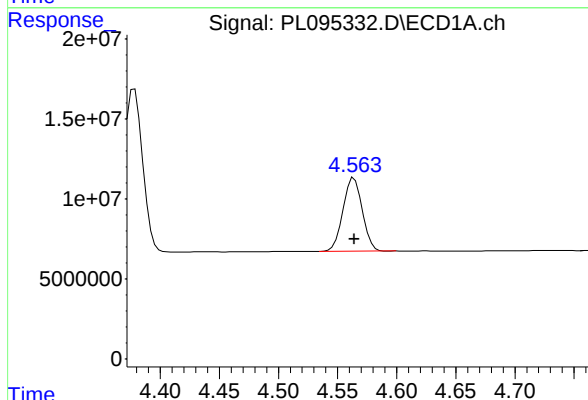
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



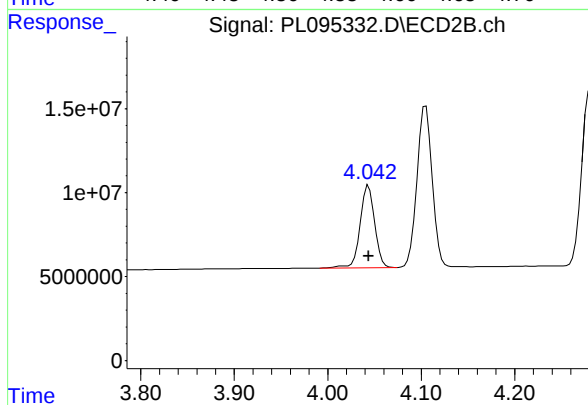
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 102258177
Conc: 24.84 ng/ml



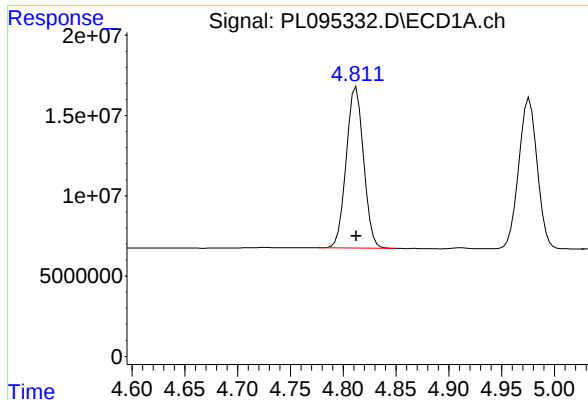
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 52142080
Conc: 25.78 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 53091040
Conc: 26.13 ng/ml



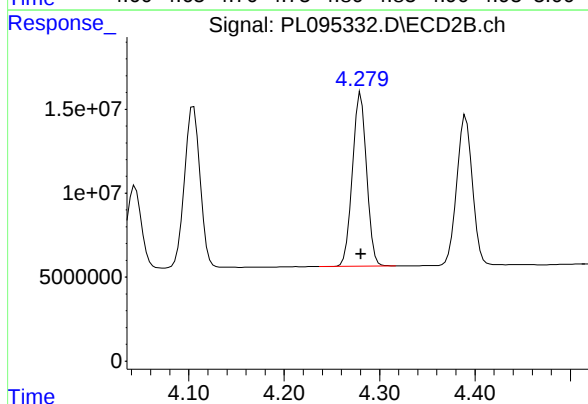
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 114152832
Conc: 24.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

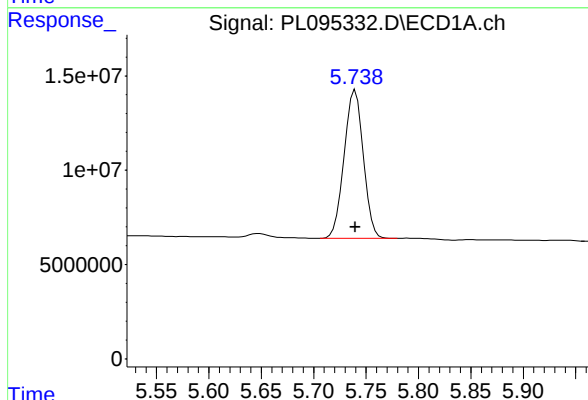
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



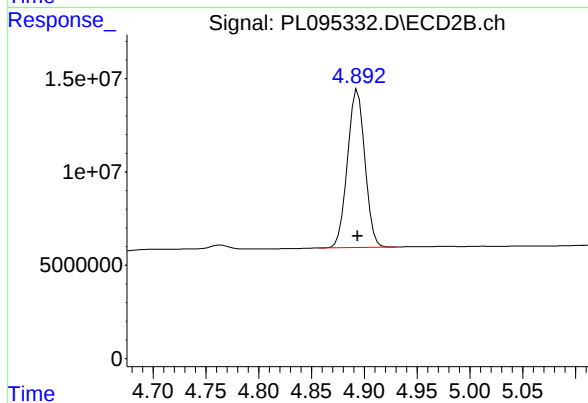
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 107702234
Conc: 24.52 ng/ml



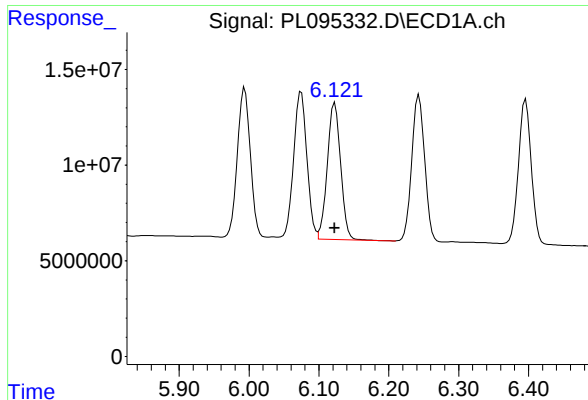
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 100790865
Conc: 25.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 97198123
Conc: 25.44 ng/ml



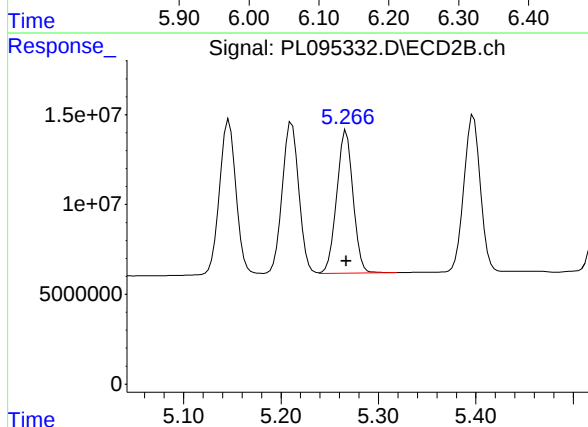
#9 Endosulfan I

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 94665753
Conc: 25.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

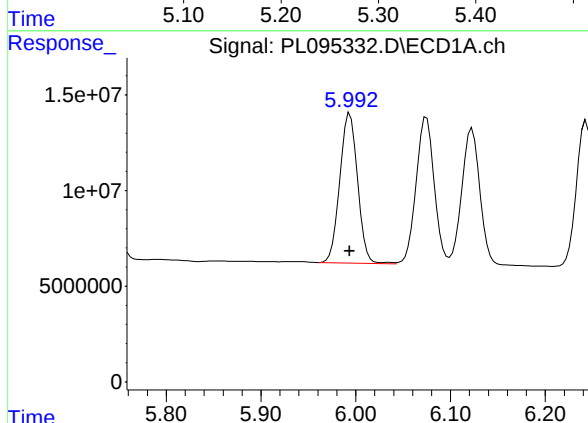
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



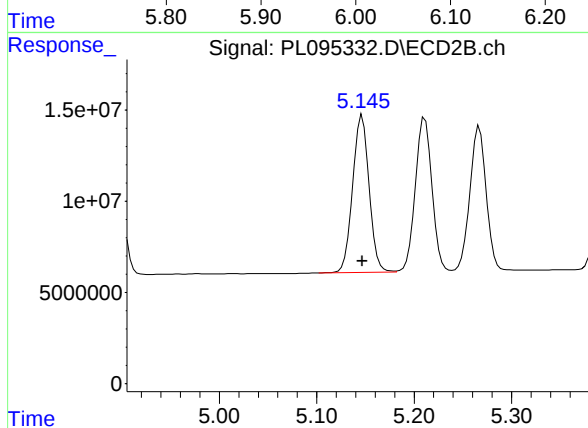
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 92648144
Conc: 25.43 ng/ml



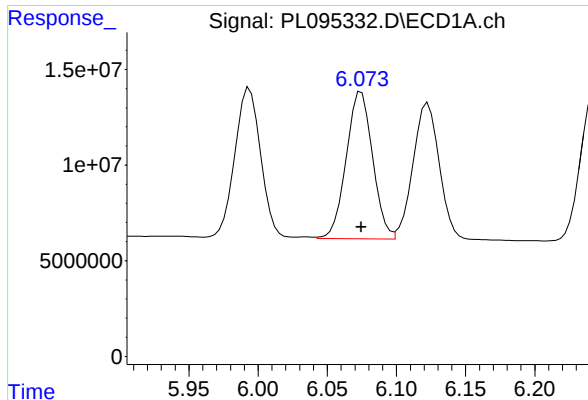
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 101968760
Conc: 25.23 ng/ml



#10 gamma-Chlordane

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 101250223
Conc: 25.27 ng/ml



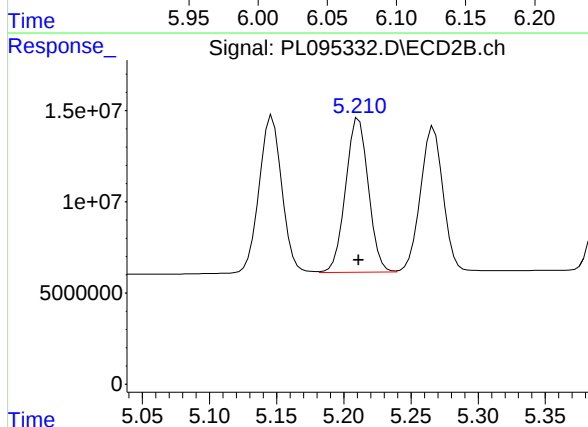
#11 alpha-Chlordane

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 102090791
Conc: 25.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

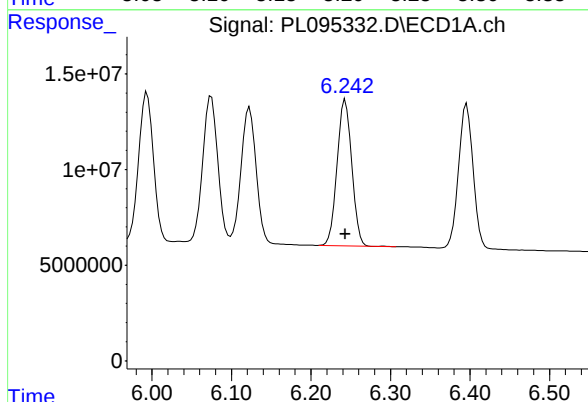
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



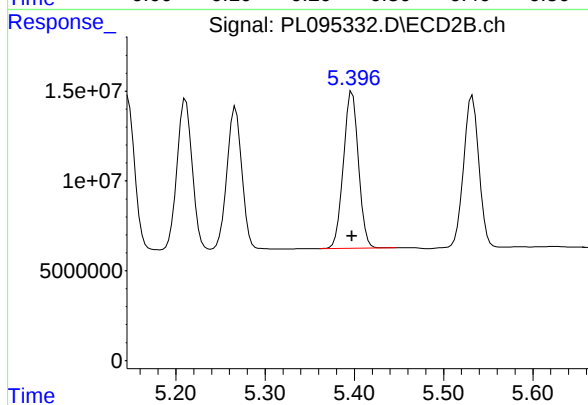
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 100026867
Conc: 25.38 ng/ml



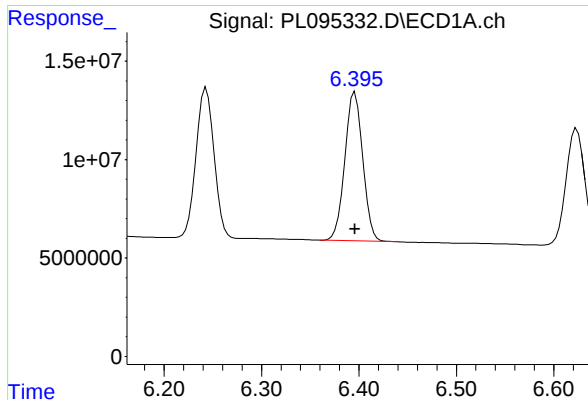
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 98088772
Conc: 25.40 ng/ml



#12 4,4'-DDE

R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 102363973
Conc: 25.30 ng/ml



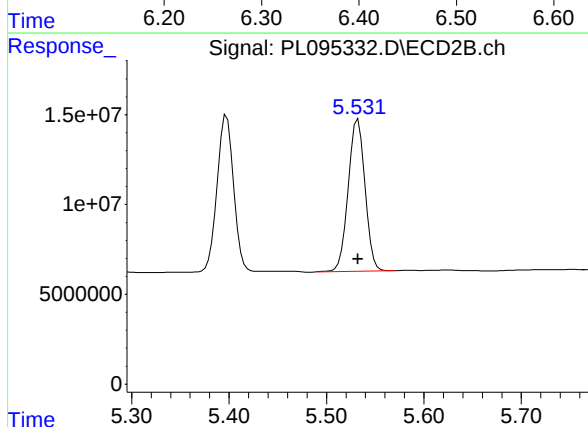
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 96281168
Conc: 25.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

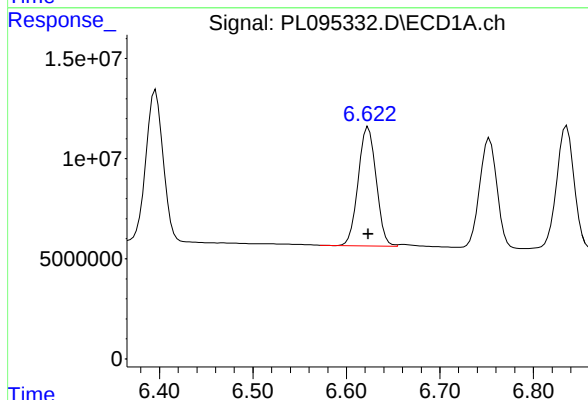
Manual Integrations
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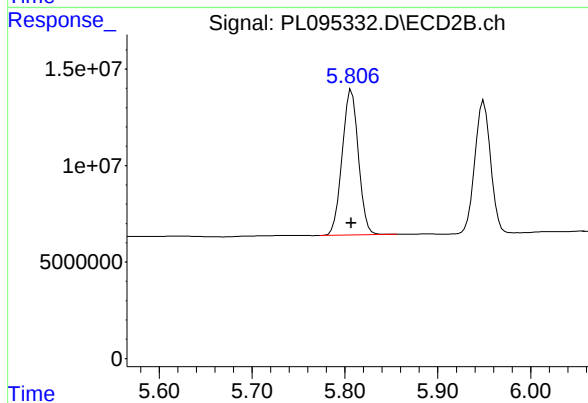
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 101218085
Conc: 25.19 ng/ml



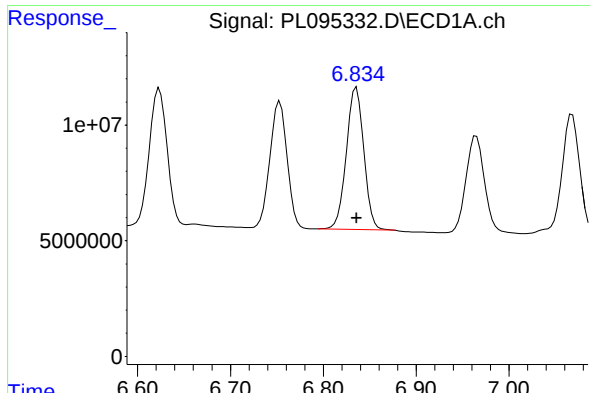
#14 Endrin

R.T.: 6.624 min
Delta R.T.: 0.000 min
Response: 79734368
Conc: 25.45 ng/ml



#14 Endrin

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 91669531
Conc: 25.33 ng/ml



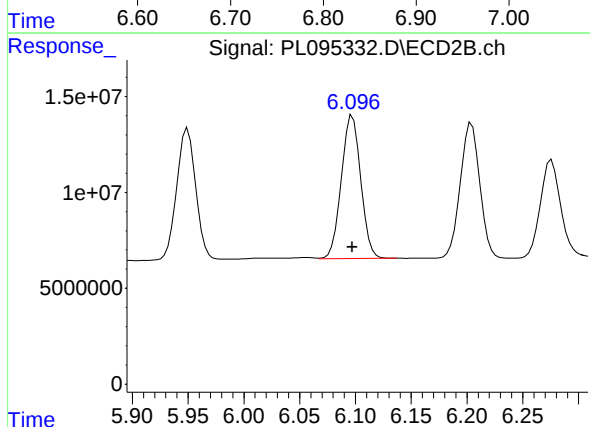
#15 Endosulfan II

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 80317081
Conc: 25.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

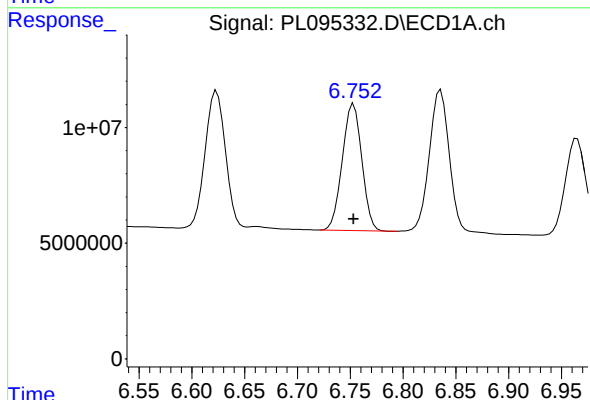
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



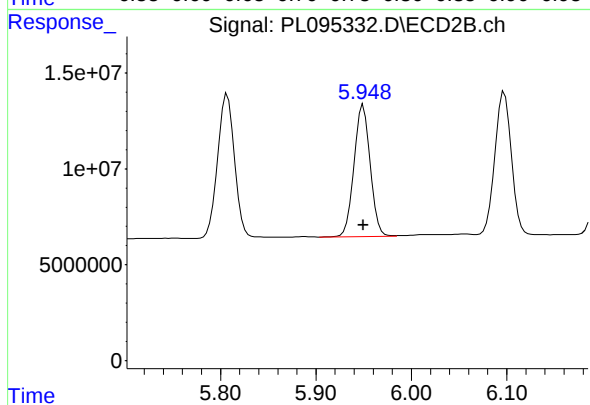
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 90454520
Conc: 25.54 ng/ml



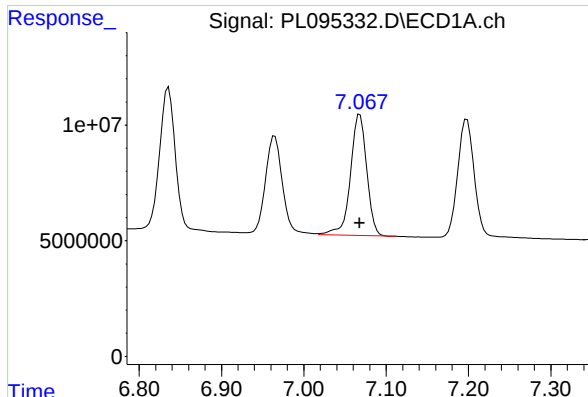
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 70509869
Conc: 25.15 ng/ml



#16 4,4'-DDD

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 81698054
Conc: 25.13 ng/ml



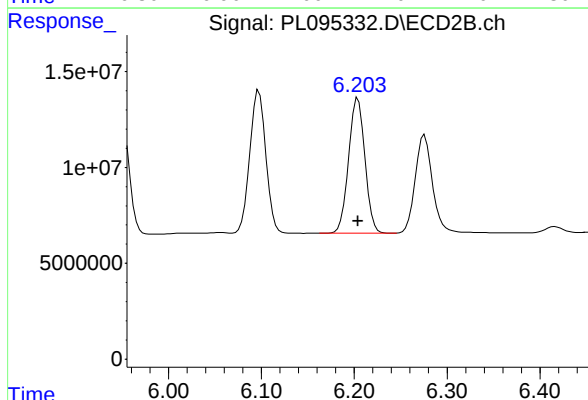
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 71529390
Conc: 25.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

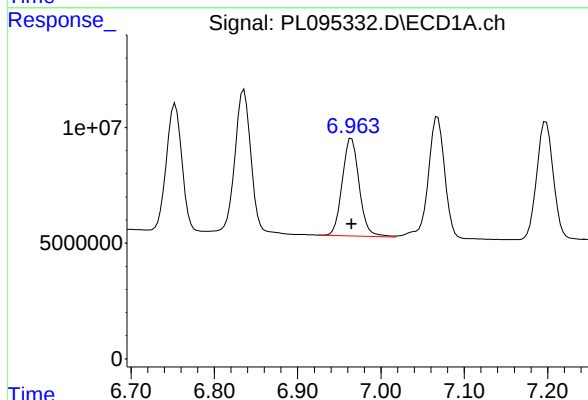
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



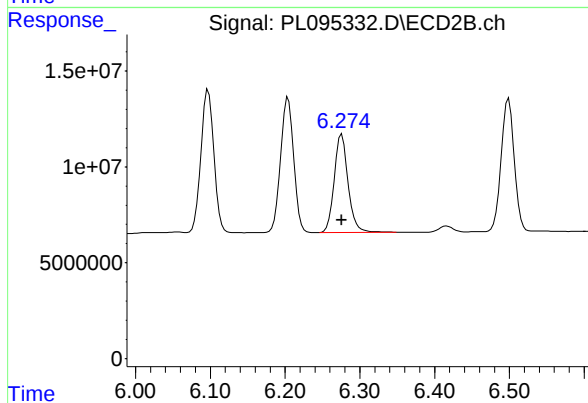
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 86031617
Conc: 25.00 ng/ml



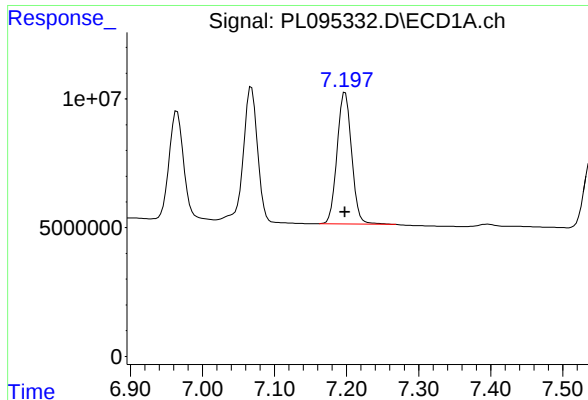
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 59366165
Conc: 26.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 66150972
Conc: 25.65 ng/ml



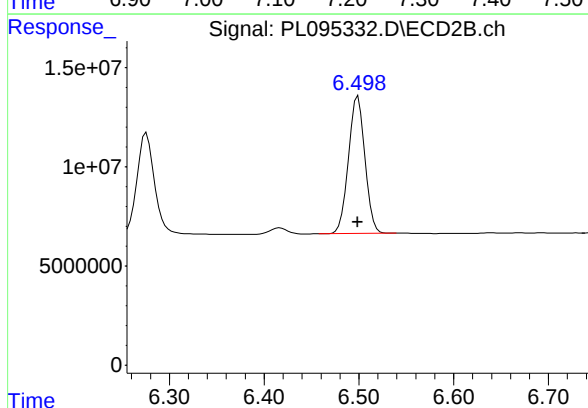
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 71073932
Conc: 25.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

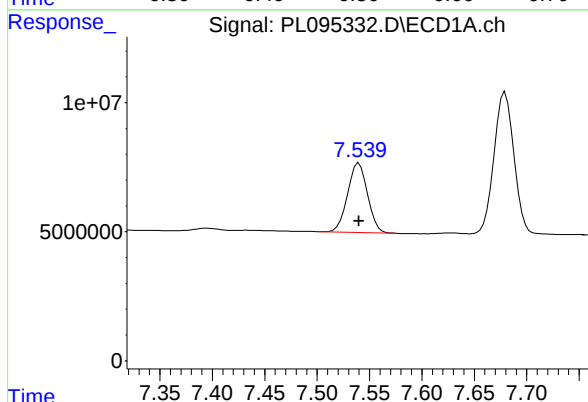
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



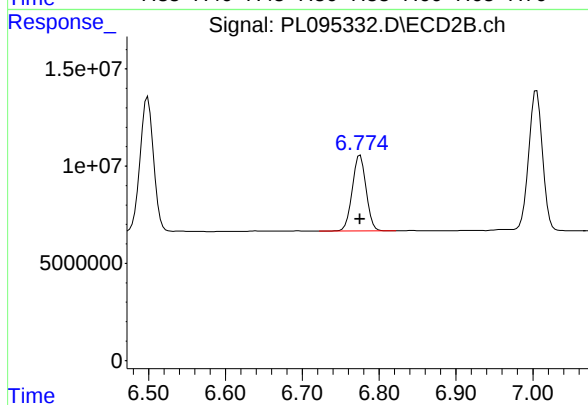
#19 Endosulfan Sulfate

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 83744169
Conc: 25.64 ng/ml



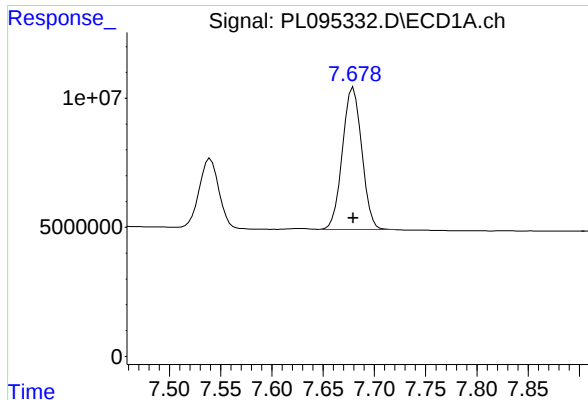
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 35648257
Conc: 26.13 ng/ml



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 48736354
Conc: 26.05 ng/ml



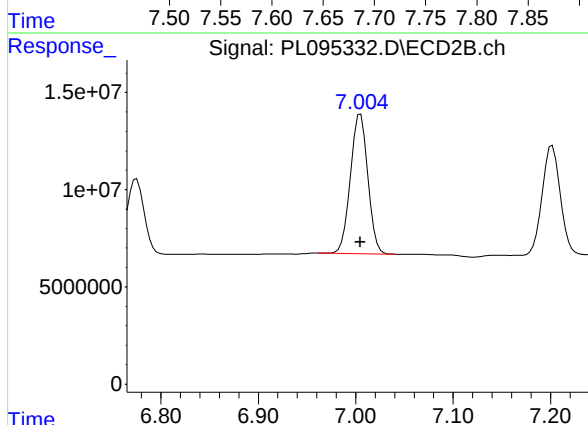
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 72029844
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

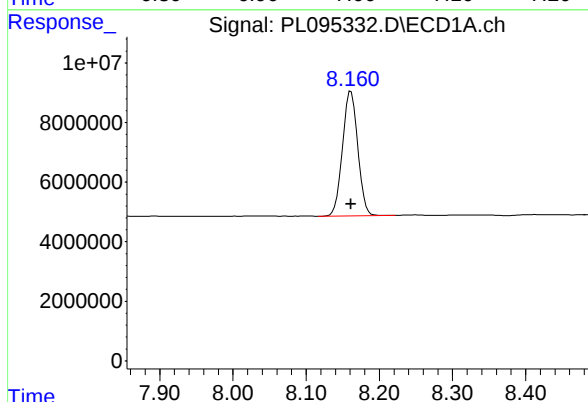
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



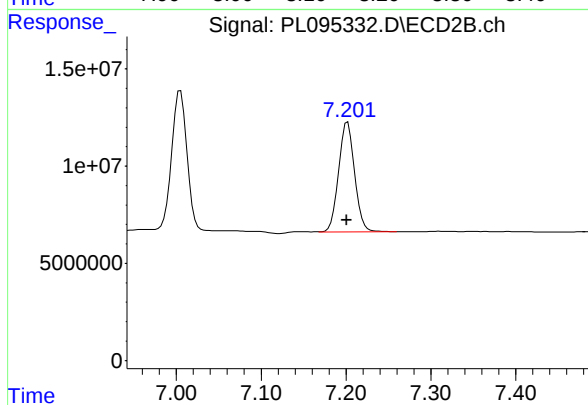
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 88886335
Conc: 25.48 ng/ml



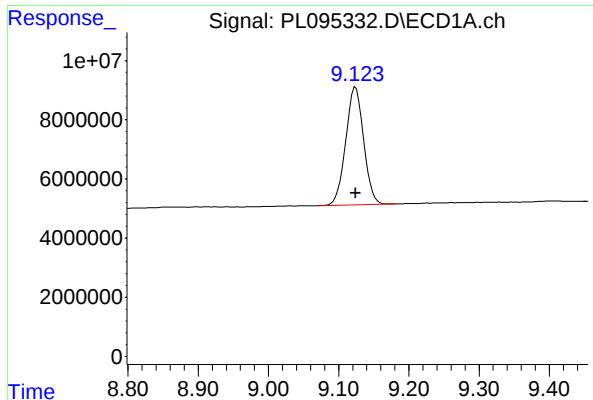
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 60846386
Conc: 26.71 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 74131947
Conc: 26.37 ng/ml m



#28 Decachlorobiphenyl

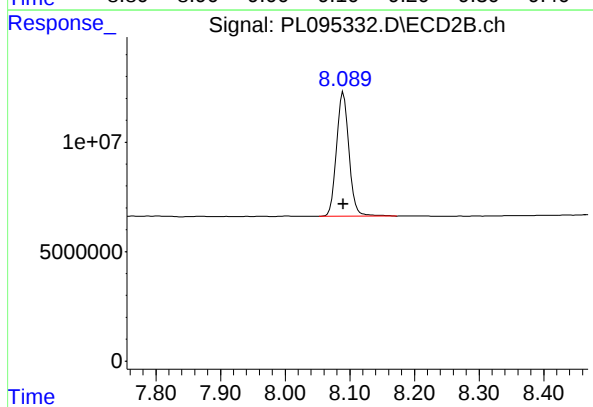
ICAL Form

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 70535847
Conc: 26.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 76004301
Conc: 26.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:26
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:35:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:35:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.905	17226547	16774274	5.277	5.275
2) SA Decachlor...	9.124	8.089	15494795	15593893	5.592	5.270
Target Compounds						
2) A alpha-BHC	4.046	3.415	24630161	21718521	4.972	4.882
3) MA gamma-BHC...	4.378	3.749	24047920	21843021	5.080	4.966
4) MA Heptachlor	4.976	4.104	24089854	22426031	5.266	5.147
5) MB Aldrin	5.317	4.389	23939616	20545826	5.212	4.992
6) B beta-BHC	4.564	4.043	11239021	11256224	5.436	5.422
7) B delta-BHC	4.812	4.280	24459248	21692758	5.259	4.950
8) B Heptachlo...	5.739	4.893	21350448	20141703	5.331	5.214
9) A Endosulfan I	6.122	5.266	20308048	18652835	5.348	5.096
10) B gamma-Chl...	5.993	5.146	21145113	21190077	5.183	5.229
11) B alpha-Chl...	6.074	5.210	21268601	20714715	5.231	5.203
12) B 4,4'-DDE	6.242	5.397	20770904	20747185	5.298	5.101
13) MA Dieldrin	6.396	5.532	19971571	21318751	5.181	5.242
14) MA Endrin	6.622	5.806	16946885	18649649	5.321	5.123
15) B Endosulfa...	6.835	6.097	17567027	18938000	5.503	5.274
16) A 4,4'-DDD	6.753	5.949	14708945	16655803	5.196	5.099
17) MA 4,4'-DDT	7.068	6.204	14262305	17073765	5.007	4.969
18) B Endrin al...	6.964	6.275	12367450	13751187	5.329	5.262
19) B Endosulfa...	7.198	6.498	15108097	17635344	5.392	5.315
20) A Methoxychlor	7.540	6.774	7589024	10262527	5.440	5.380
21) B Endrin ke...	7.679	7.004	15300793	18268527	5.367	5.188
22) Mirex	8.161	7.200	13844446	15752969	5.827	5.469m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

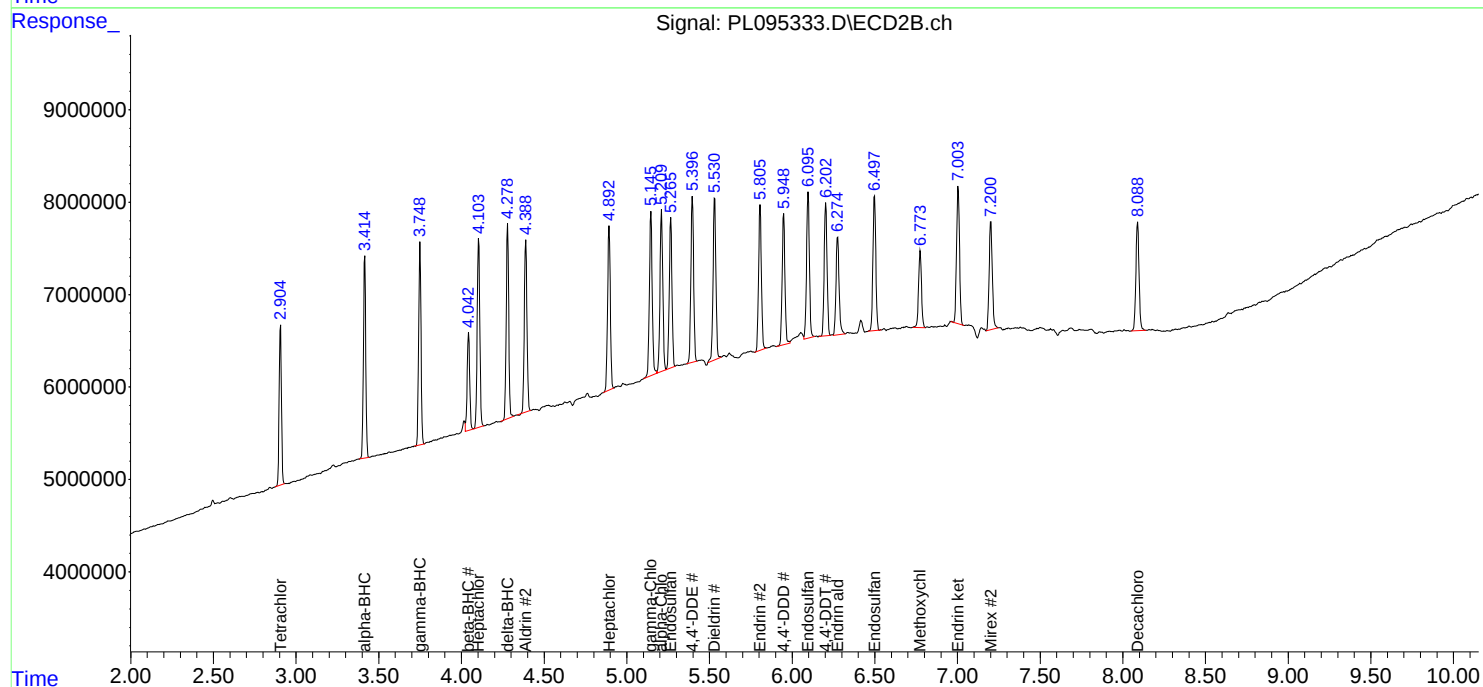
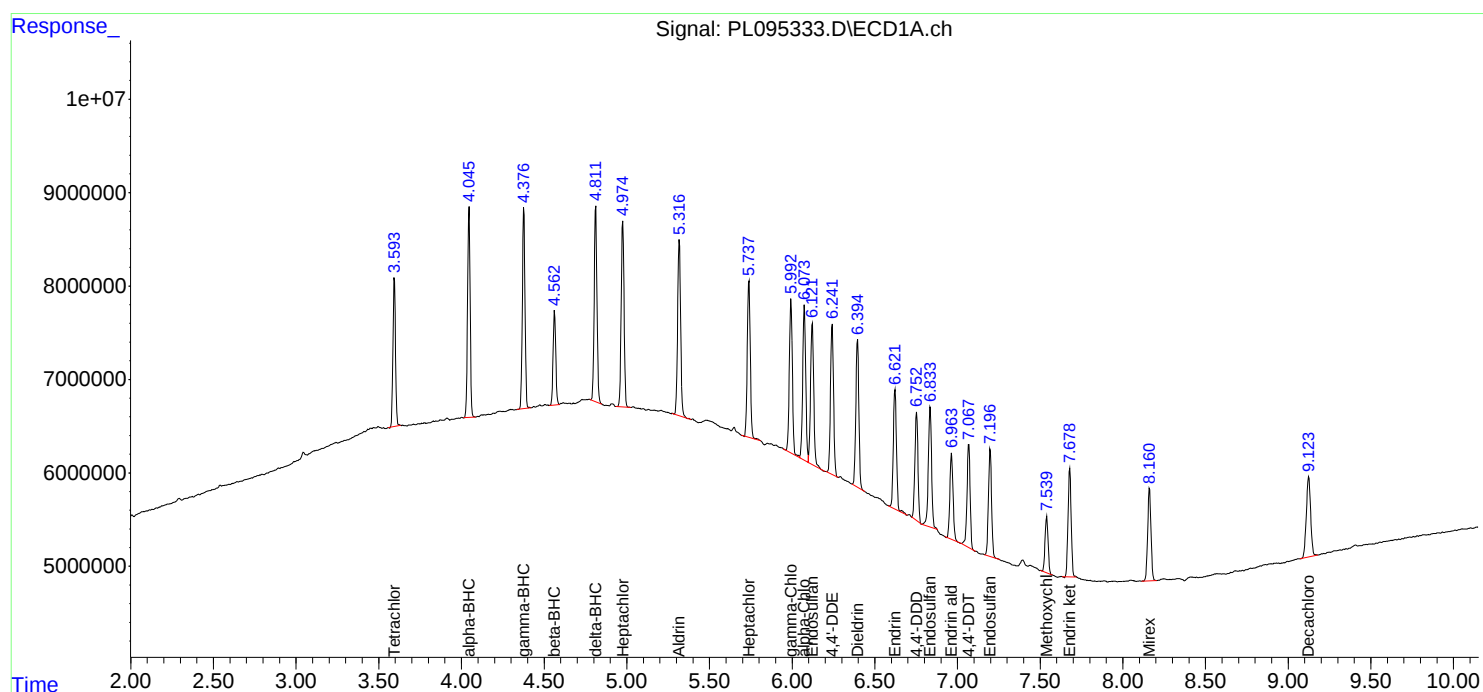
APPROVED

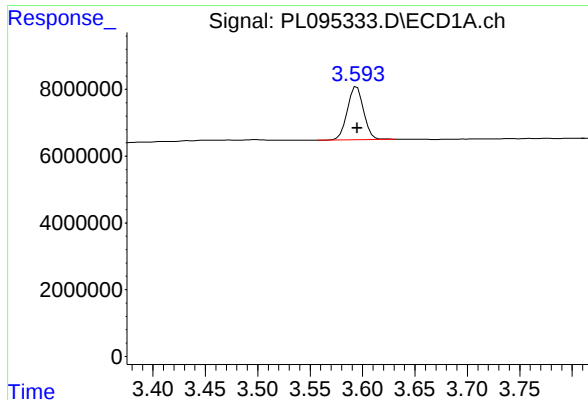
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





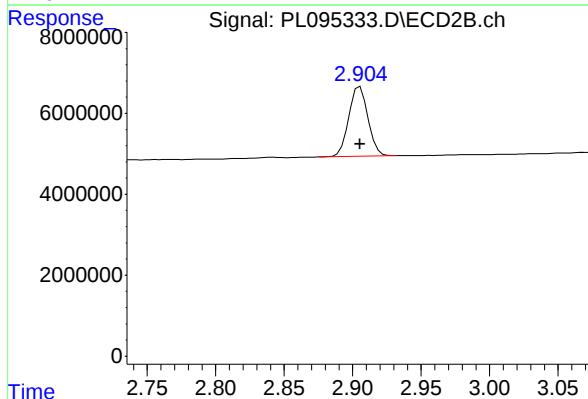
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 17226547
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

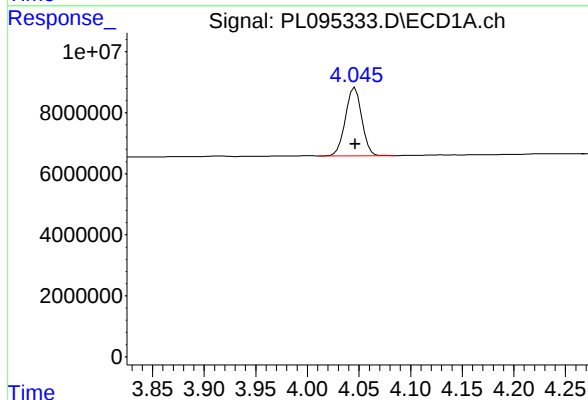
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



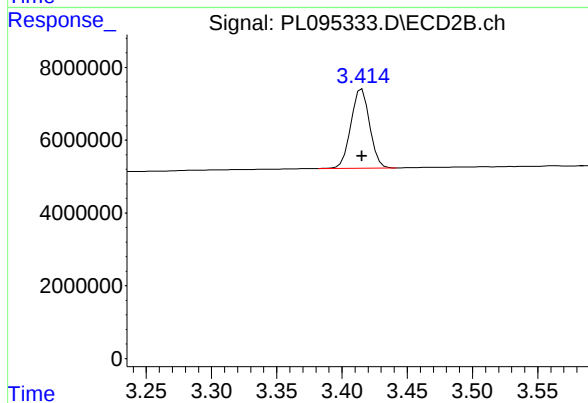
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 16774274
Conc: 5.28 ng/ml



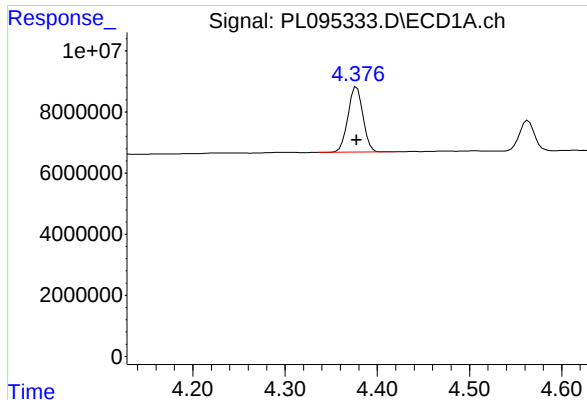
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 24630161
Conc: 4.97 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 21718521
Conc: 4.88 ng/ml



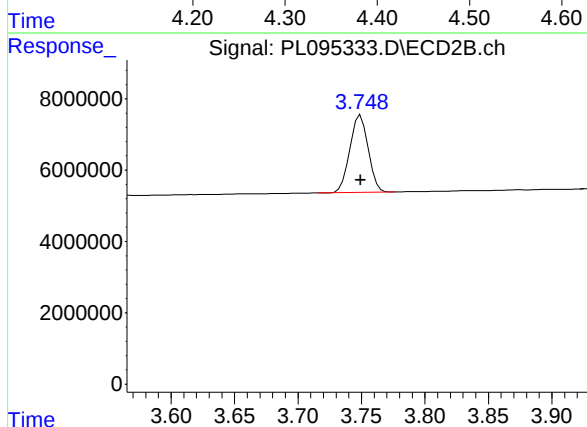
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 24047920
Conc: 5.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

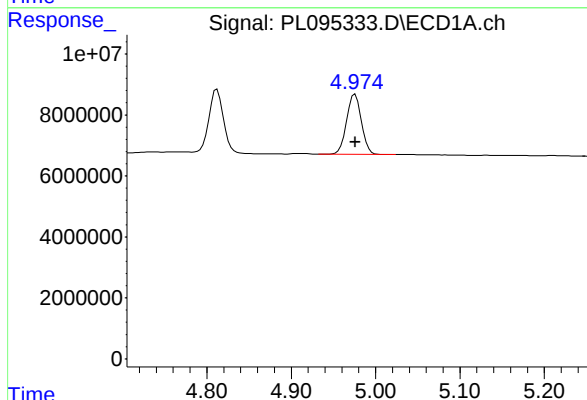
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



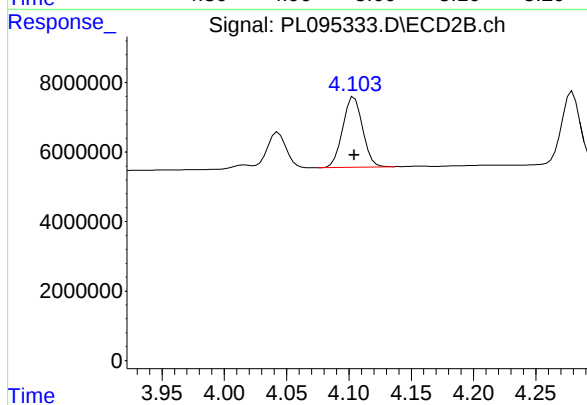
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 21843021
Conc: 4.97 ng/ml



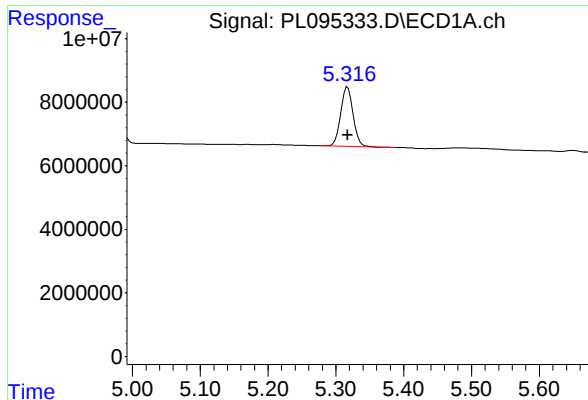
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 24089854
Conc: 5.27 ng/ml



#4 Heptachlor

R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 22426031
Conc: 5.15 ng/ml



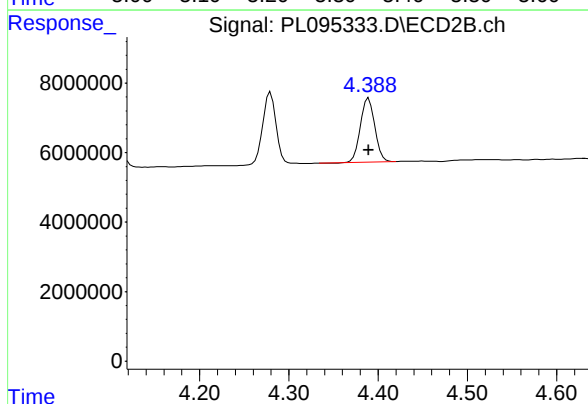
#5 Aldrin

R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 23939616
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

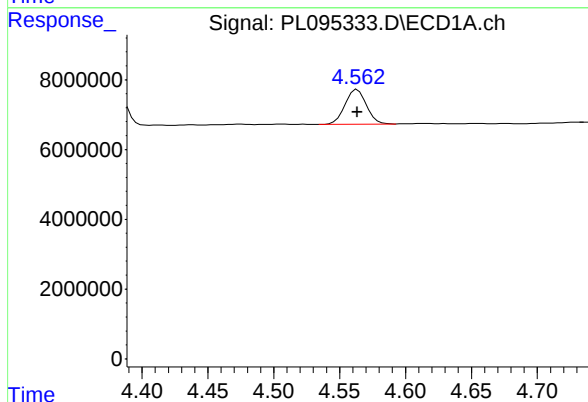
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



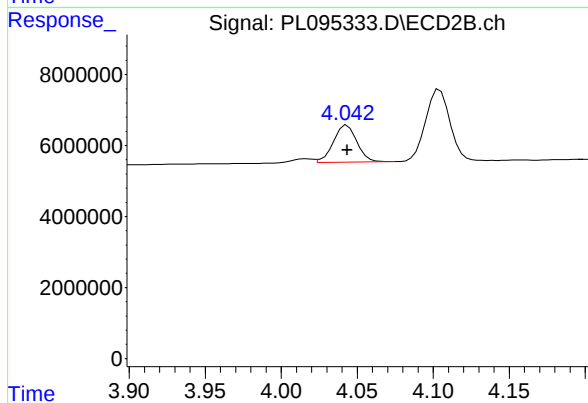
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 20545826
Conc: 4.99 ng/ml



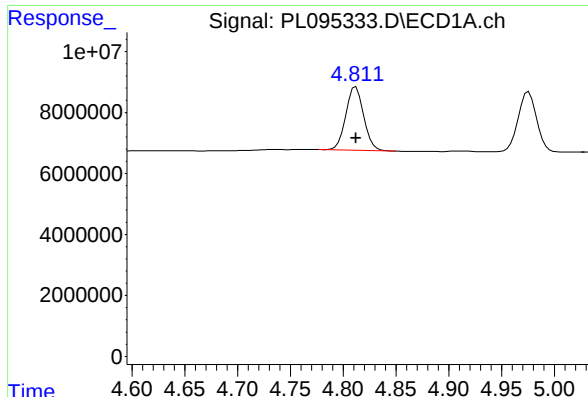
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 11239021
Conc: 5.44 ng/ml



#6 beta-BHC

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 11256224
Conc: 5.42 ng/ml



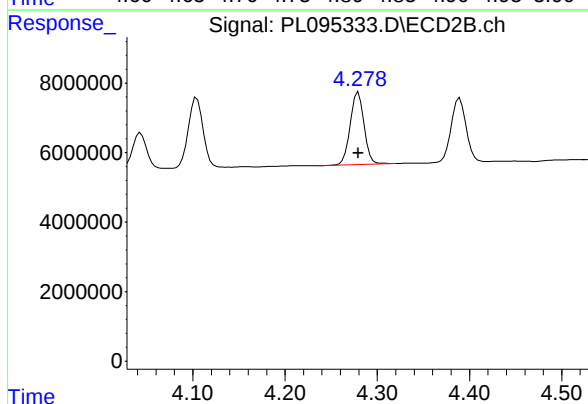
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 24459248
Conc: 5.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

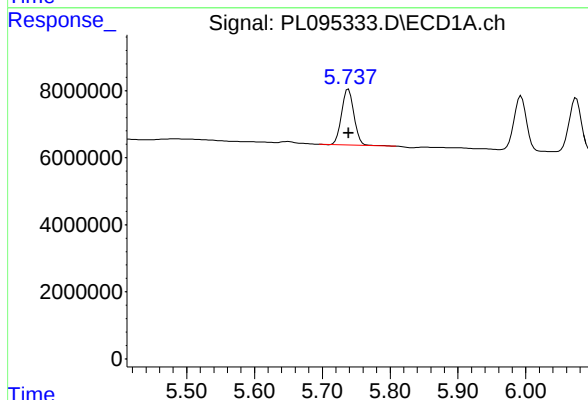
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



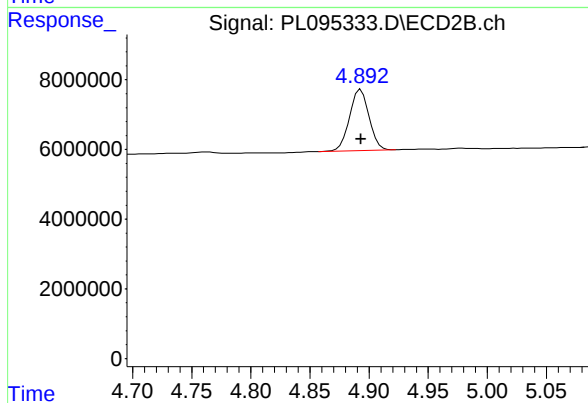
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 21692758
Conc: 4.95 ng/ml



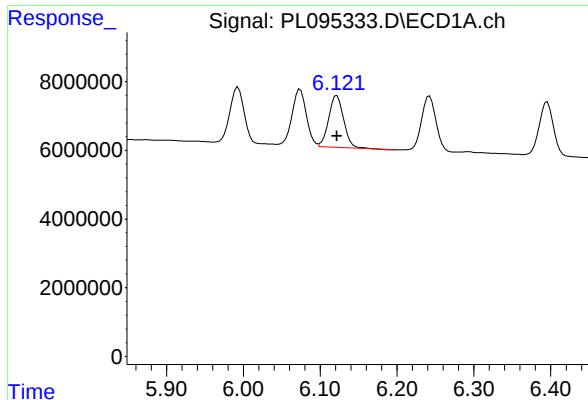
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 21350448
Conc: 5.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 20141703
Conc: 5.21 ng/ml



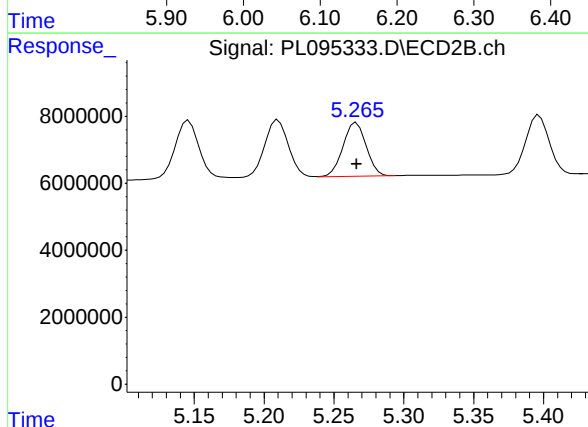
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 20308048
Conc: 5.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

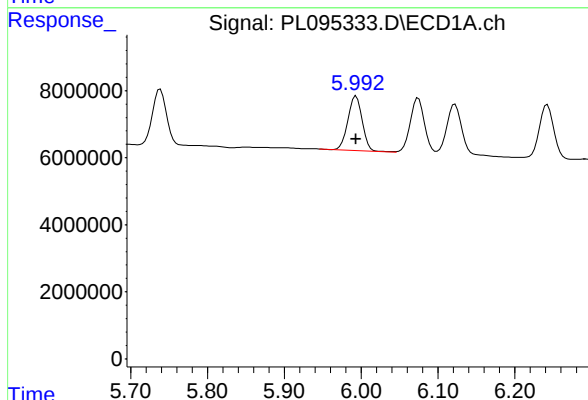
Manual Integrations
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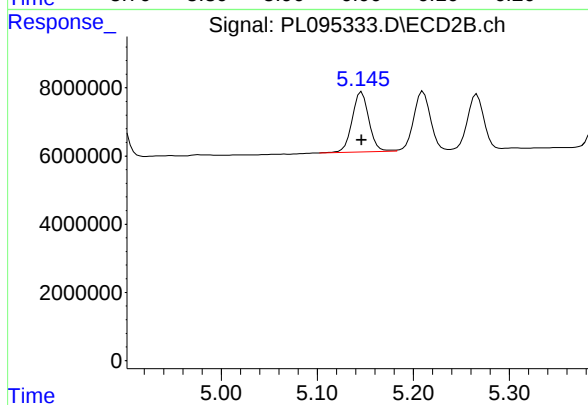
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 18652835
Conc: 5.10 ng/ml



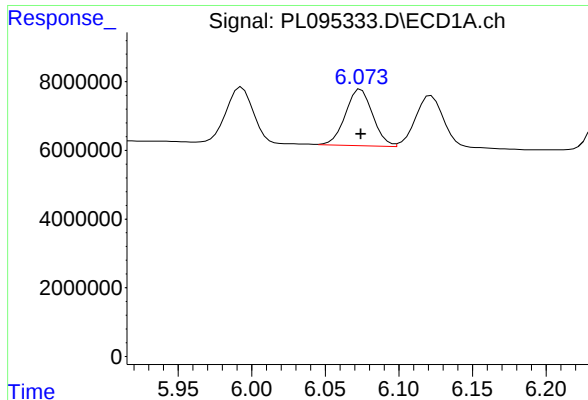
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 21145113
Conc: 5.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 21190077
Conc: 5.23 ng/ml



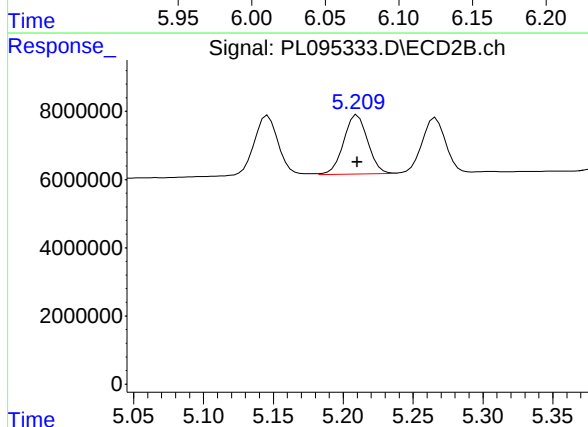
#11 alpha-Chlordane

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 21268601
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

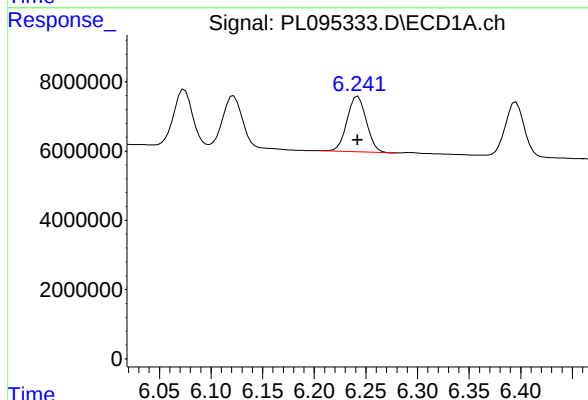
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Supervised By :mohammad ahmed 04/26/2025



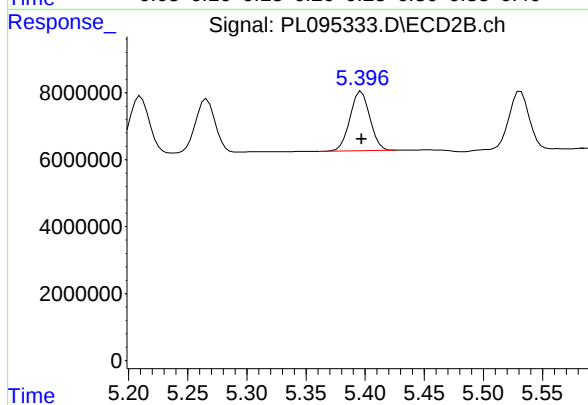
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 20714715
Conc: 5.20 ng/ml



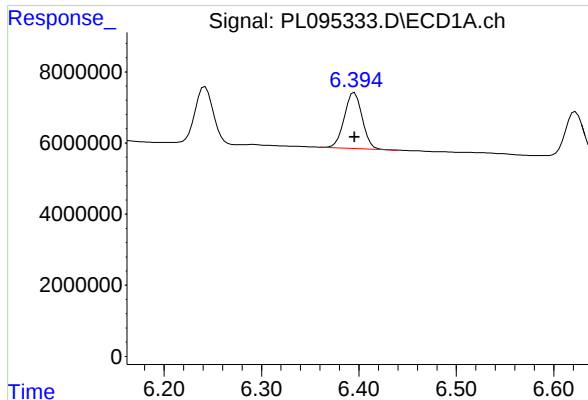
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 20770904
Conc: 5.30 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 20747185
Conc: 5.10 ng/ml



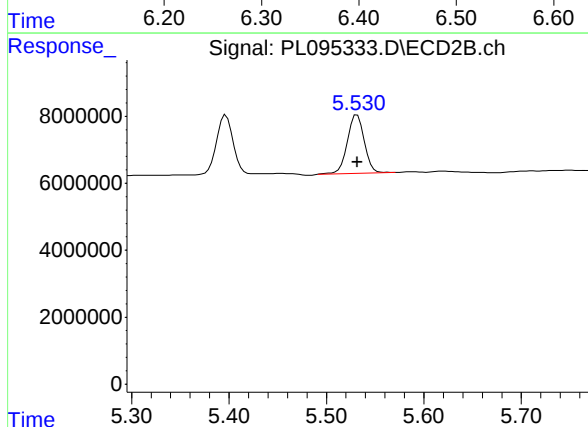
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 19971571
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

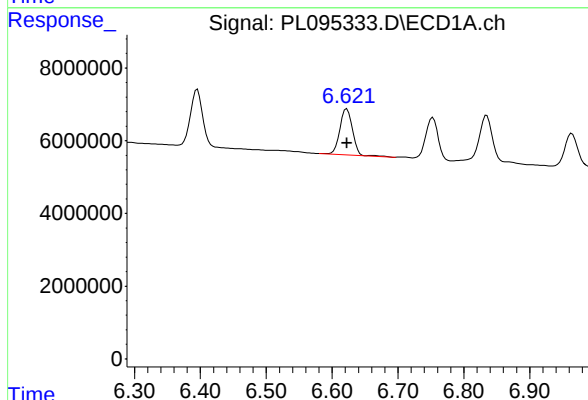
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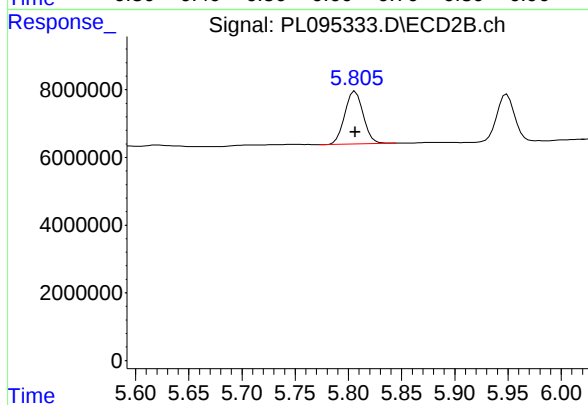
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 21318751
Conc: 5.24 ng/ml



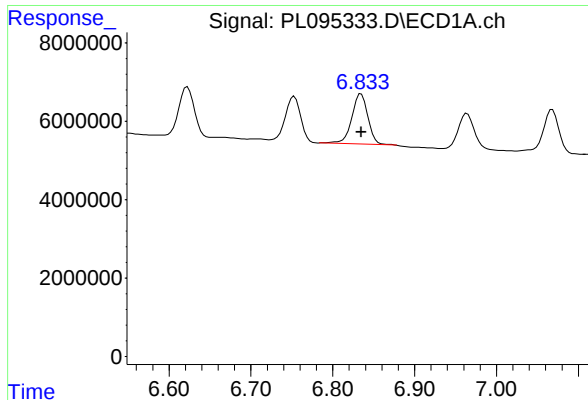
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 16946885
Conc: 5.32 ng/ml



#14 Endrin

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 18649649
Conc: 5.12 ng/ml



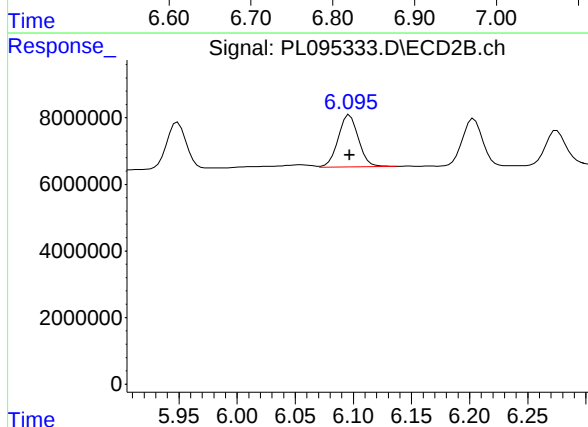
#15 Endosulfan II

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 17567027
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

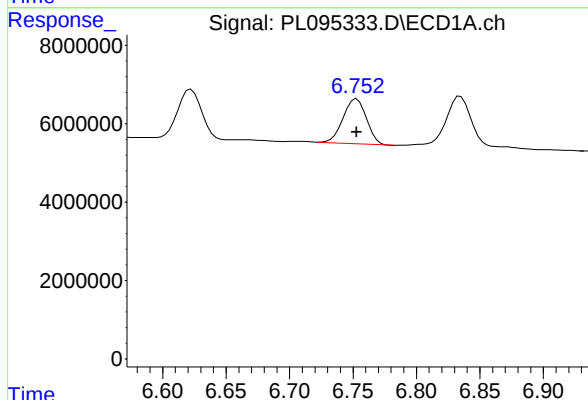
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Supervised By :mohammad ahmed 04/26/2025



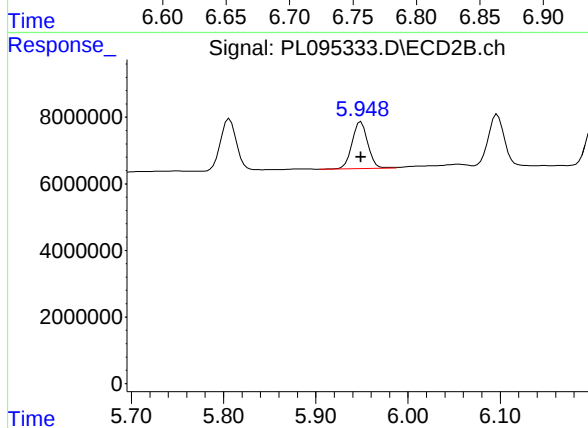
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 18938000
Conc: 5.27 ng/ml



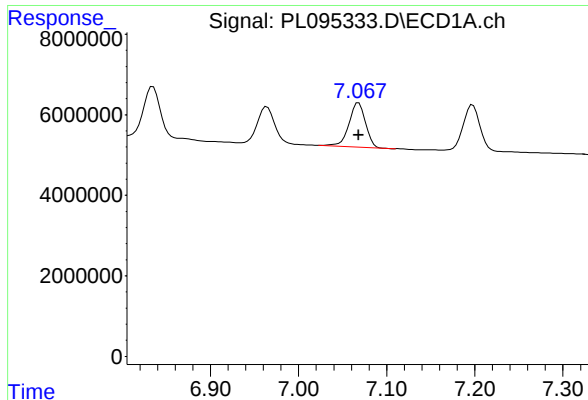
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 14708945
Conc: 5.20 ng/ml



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 16655803
Conc: 5.10 ng/ml



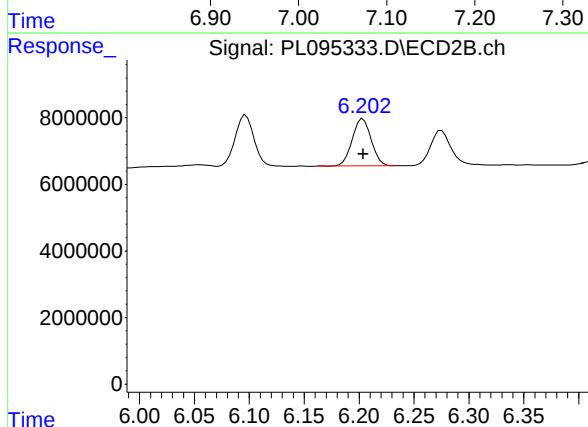
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 14262305
Conc: 5.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

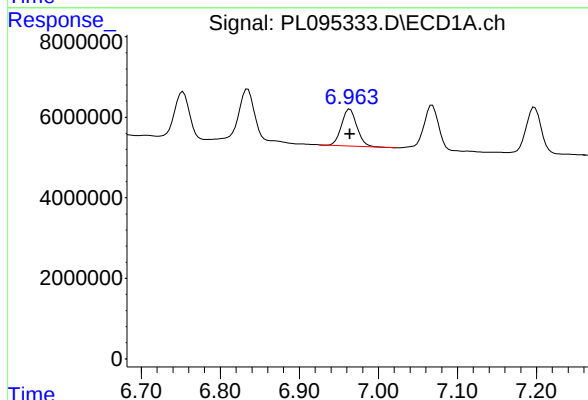
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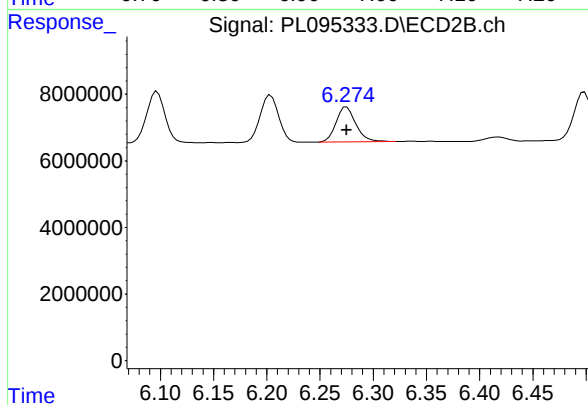
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 17073765
Conc: 4.97 ng/ml



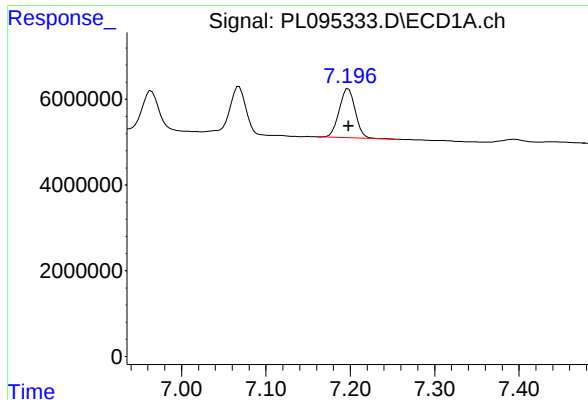
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 12367450
Conc: 5.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 13751187
Conc: 5.26 ng/ml



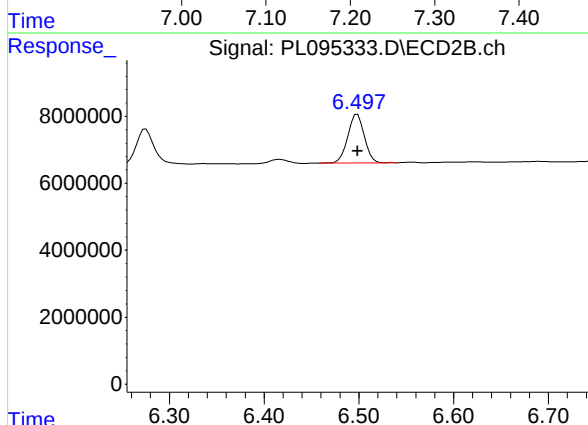
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 15108097
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

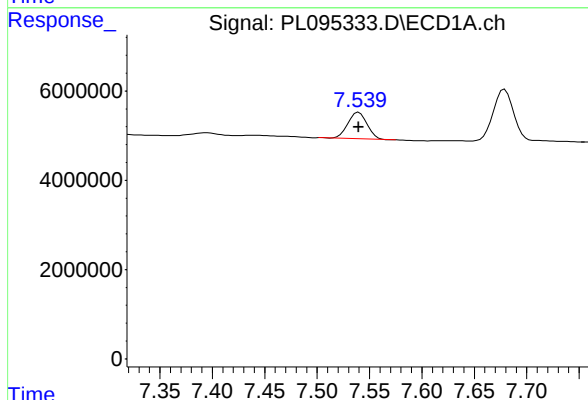
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Supervised By :mohammad ahmed 04/26/2025



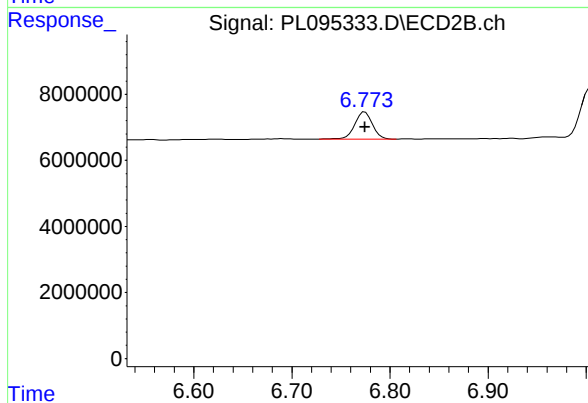
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 17635344
Conc: 5.32 ng/ml



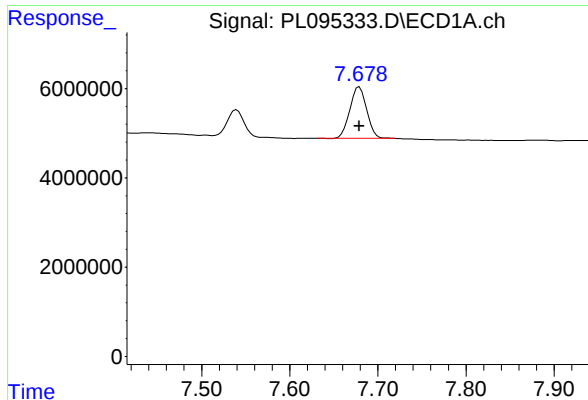
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 7589024
Conc: 5.44 ng/ml



#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 10262527
Conc: 5.38 ng/ml



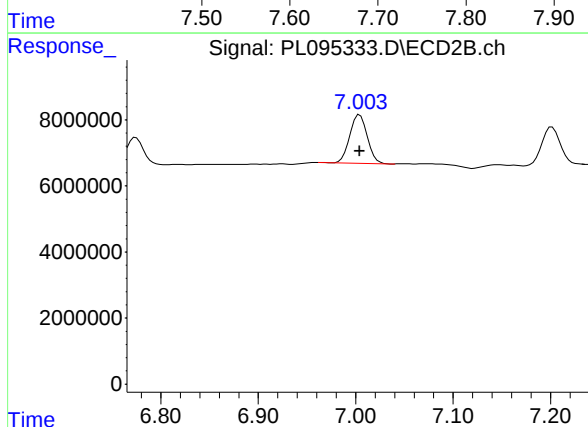
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 15300793
Conc: 5.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

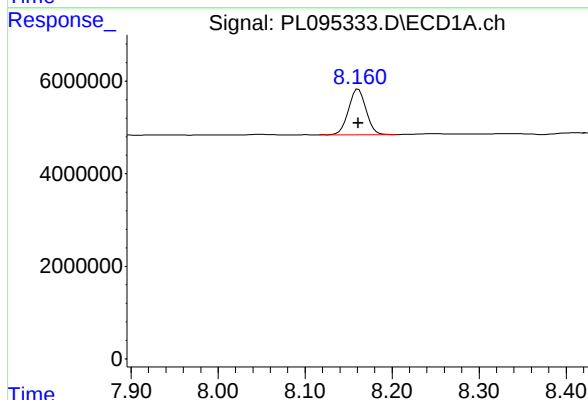
Manual Integrations
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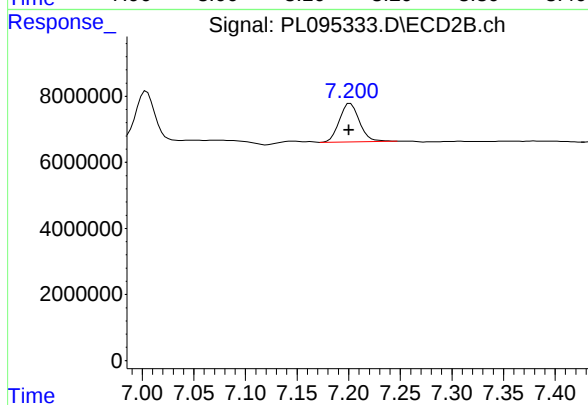
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 18268527
Conc: 5.19 ng/ml



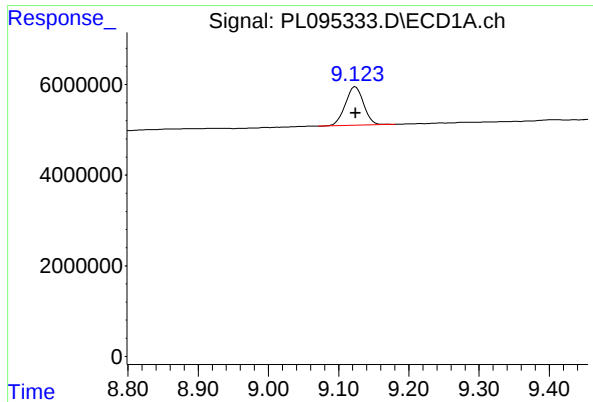
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 13844446
Conc: 5.83 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 15752969
Conc: 5.47 ng/ml m



#28 Decachlorobiphenyl

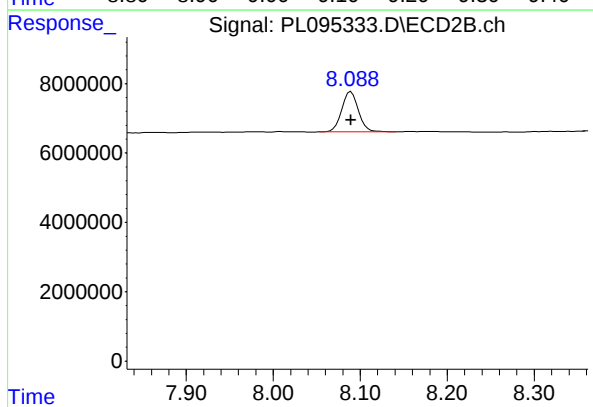
ICAL Form

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 15494795
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 15593893
Conc: 5.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095336.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 13:07
 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: Apr 23 13:18:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 13:16:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.906	161.9E6	195.6E6	50.000	50.000
28) SA Decachlor...	9.123	8.089	135.2E6	145.1E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.762	3.926	98361472	76159147	500.000	500.000
24) Chlordane-2	5.288	4.508	106.9E6	90786464	500.000	500.000
25) Chlordane-3	5.994	5.146	390.5E6	258.0E6	500.000	500.000
26) Chlordane-4	6.079	5.210	472.5E6	216.5E6	500.000	500.000
27) Chlordane-5	6.919	6.106	74901227	91342128	500.000	500.000

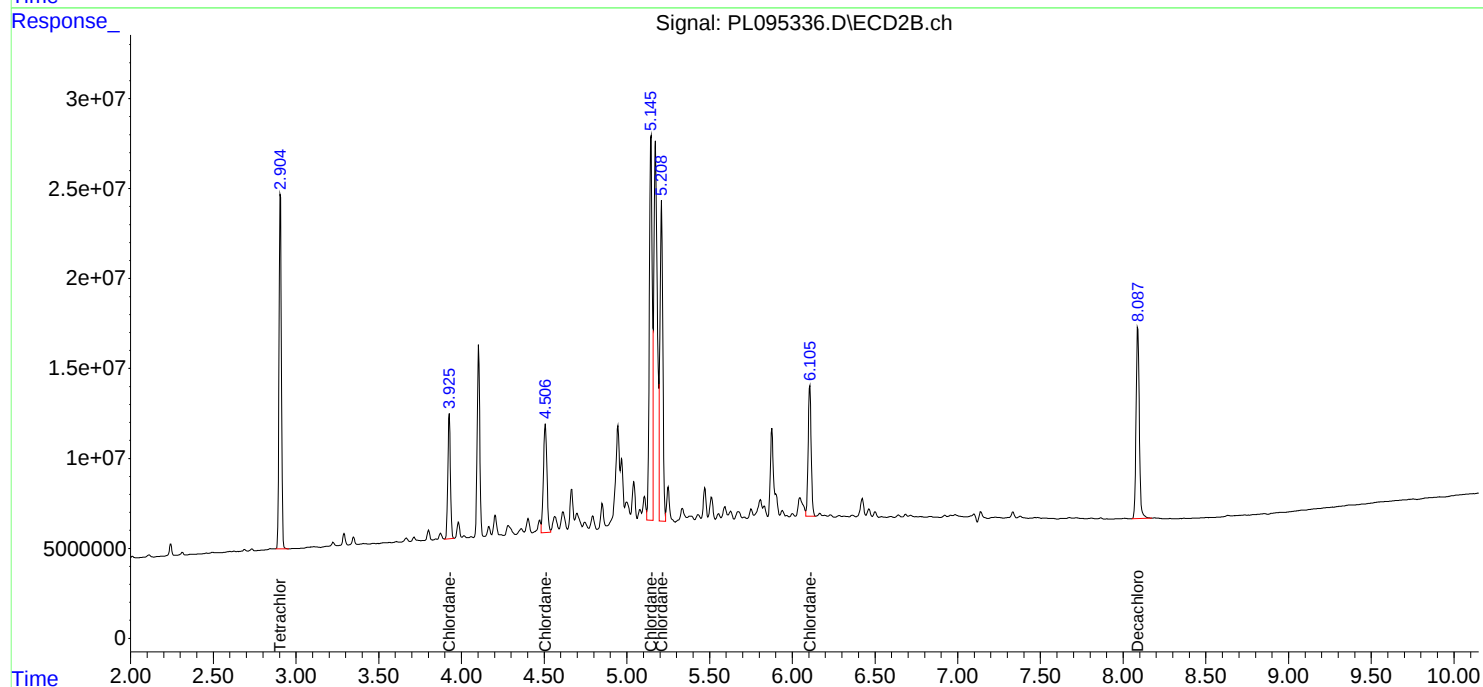
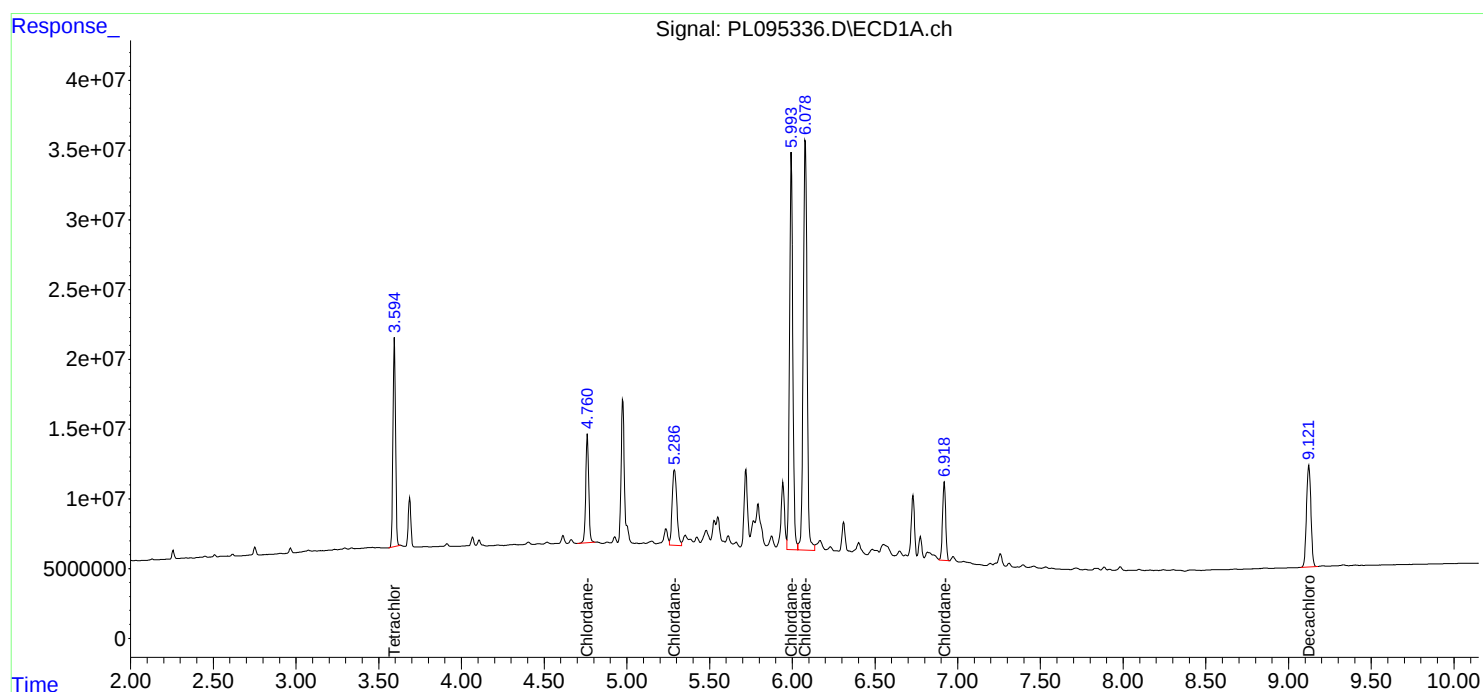
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

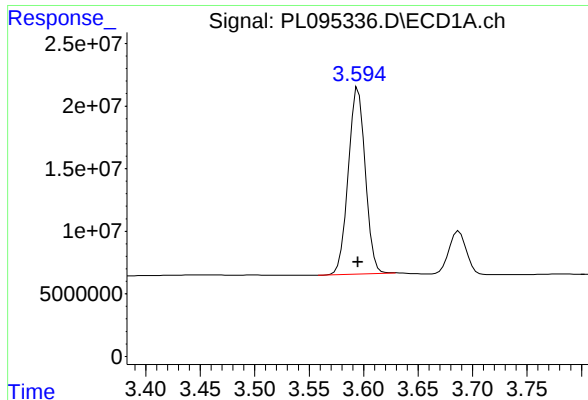
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

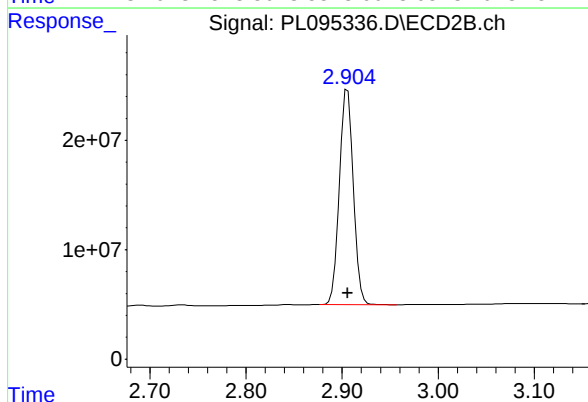




#1 Tetrachloro-m-xylene

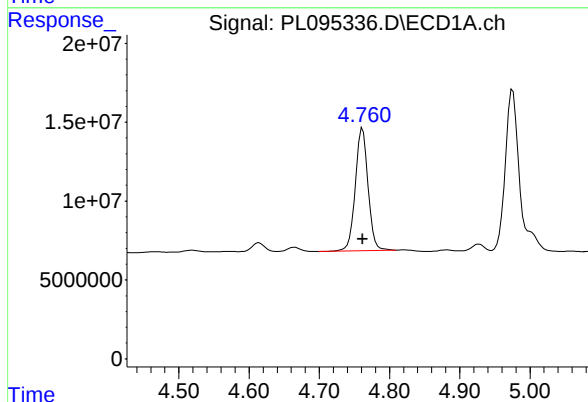
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 161889270
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



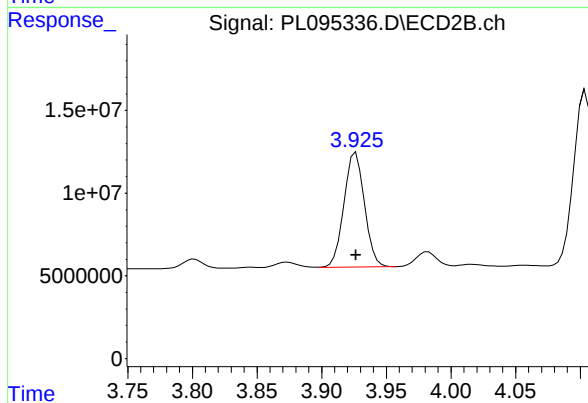
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 195640523
Conc: 50.00 ng/ml



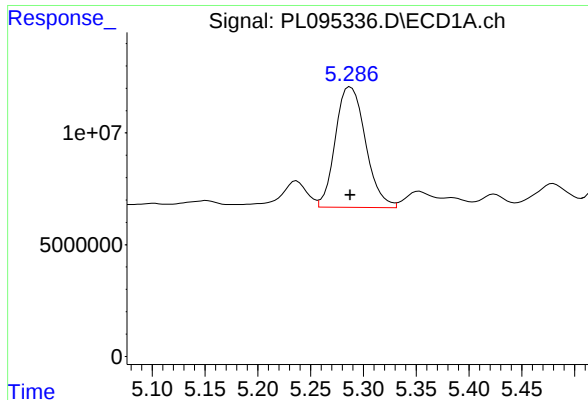
#23 Chlordane-1

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 98361472
Conc: 500.00 ng/ml



#23 Chlordane-1

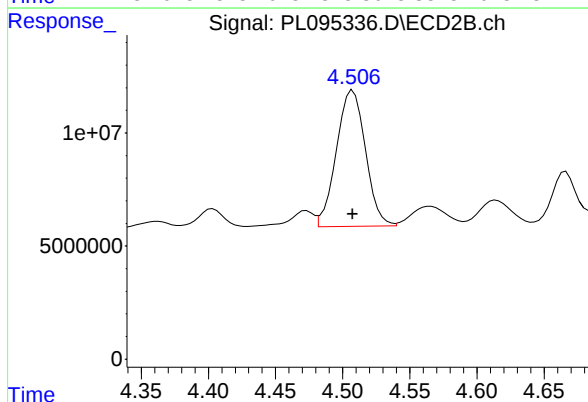
R.T.: 3.926 min
Delta R.T.: 0.000 min
Response: 76159147
Conc: 500.00 ng/ml



#24 Chlordane-2

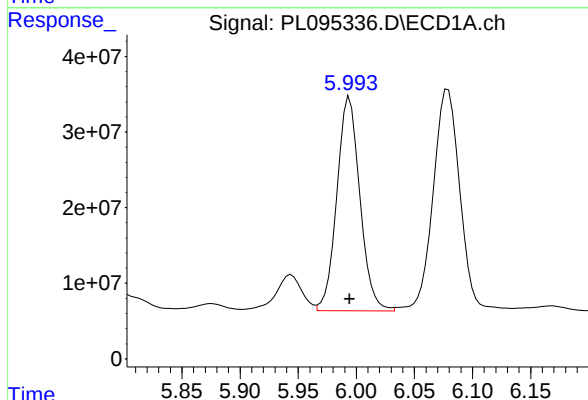
R.T.: 5.288 min
Delta R.T.: 0.000 min
Response: 106912869
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



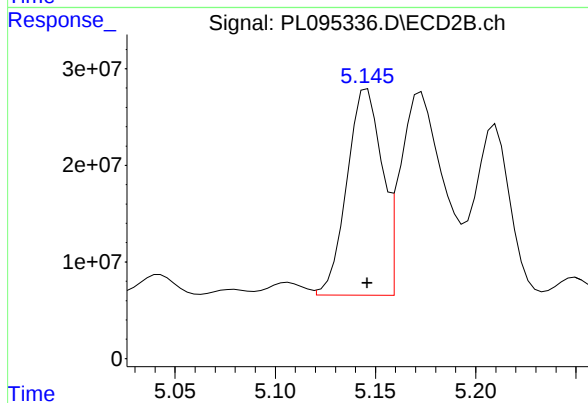
#24 Chlordane-2

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 90786464
Conc: 500.00 ng/ml



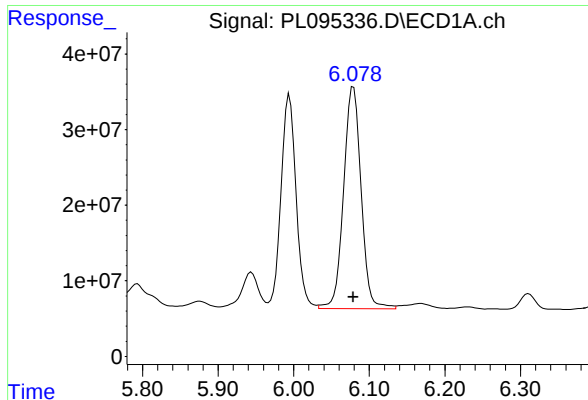
#25 Chlordane-3

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 390489339
Conc: 500.00 ng/ml



#25 Chlordane-3

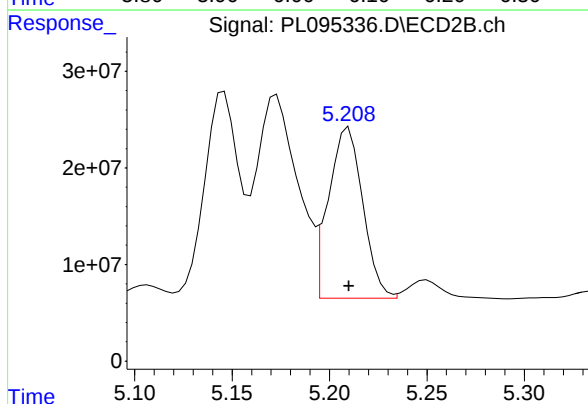
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 258034387
Conc: 500.00 ng/ml



#26 Chlordane-4

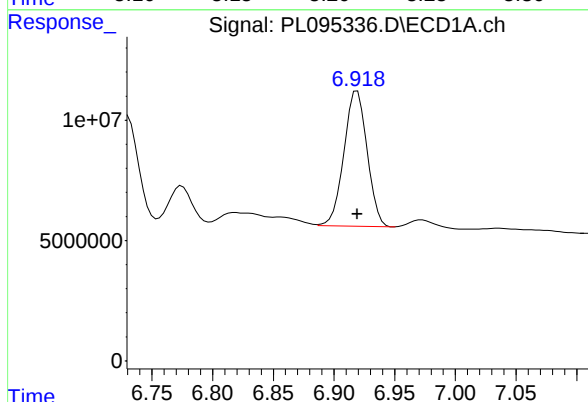
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 472546188
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



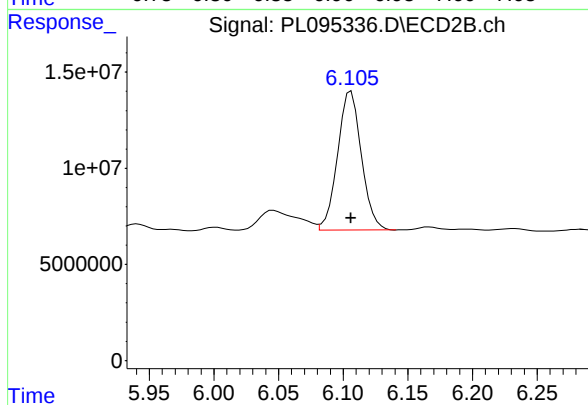
#26 Chlordane-4

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 216529044
Conc: 500.00 ng/ml



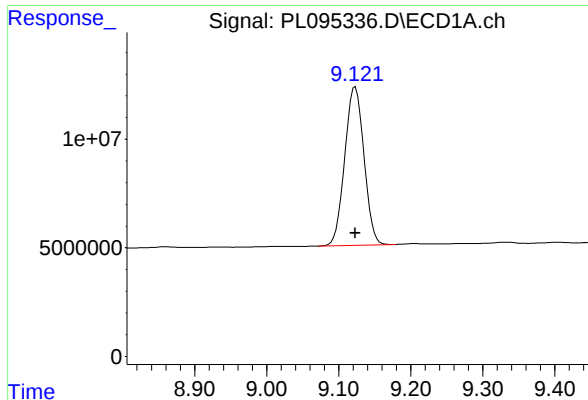
#27 Chlordane-5

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 74901227
Conc: 500.00 ng/ml



#27 Chlordane-5

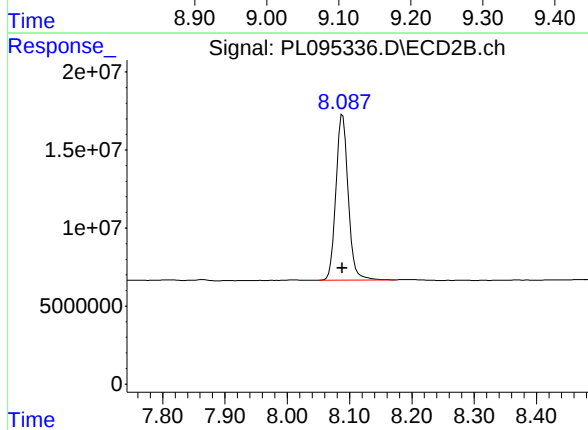
R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 91342128
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 135170504
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 145132044
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 14:32
 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: Apr 23 14:41:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:41:36 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...	3.594	2.905	170.6E6	165.2E6	50.000	50.000
7) SA Decachlor...	9.120	8.087	144.3E6	152.4E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.288	5.165	14117602	12301124	500.000	500.000
3) Toxaphene-2	6.488	5.493	19710754	11783269	500.000	500.000
4) Toxaphene-3	7.102	5.853	48154475	12799809	500.000	500.000
5) Toxaphene-4	7.194	6.770	35158460	38422565	500.000	500.000
6) Toxaphene-5	7.974	7.211	24549107	27736717	500.000	500.000

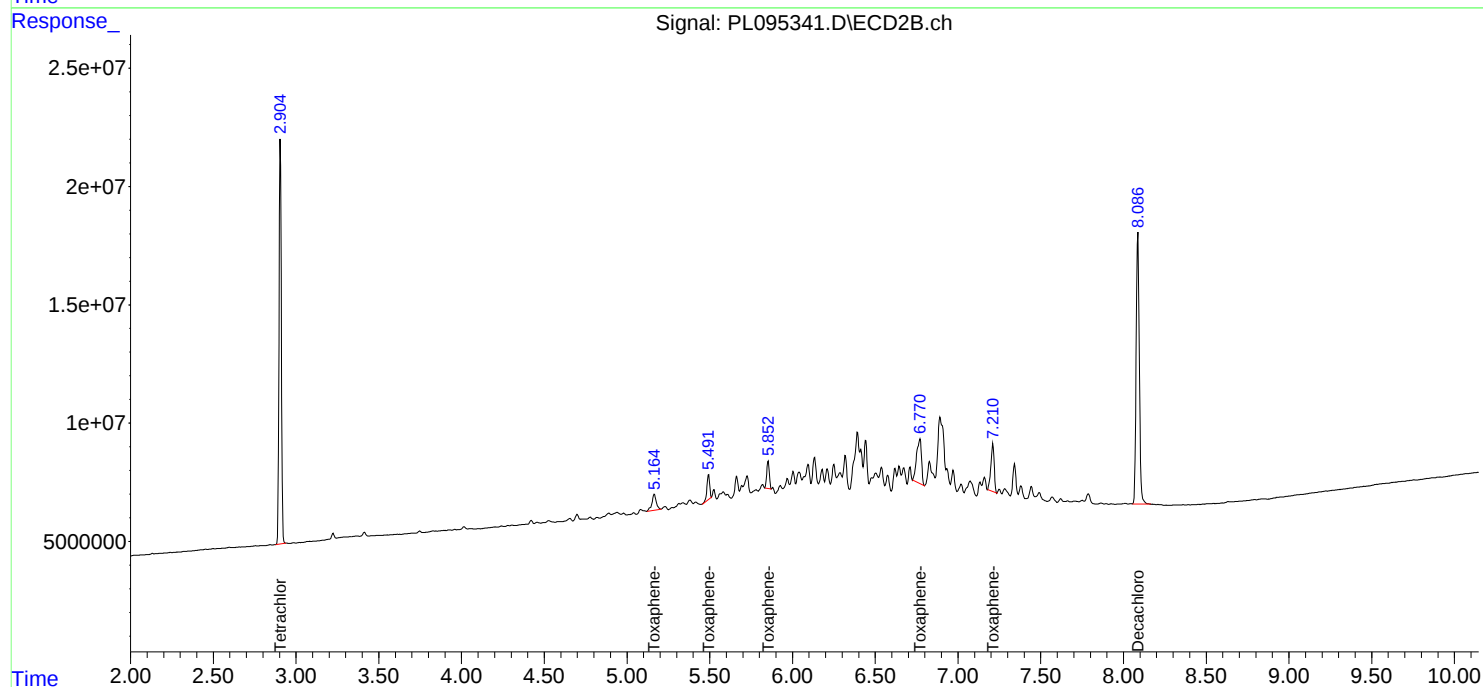
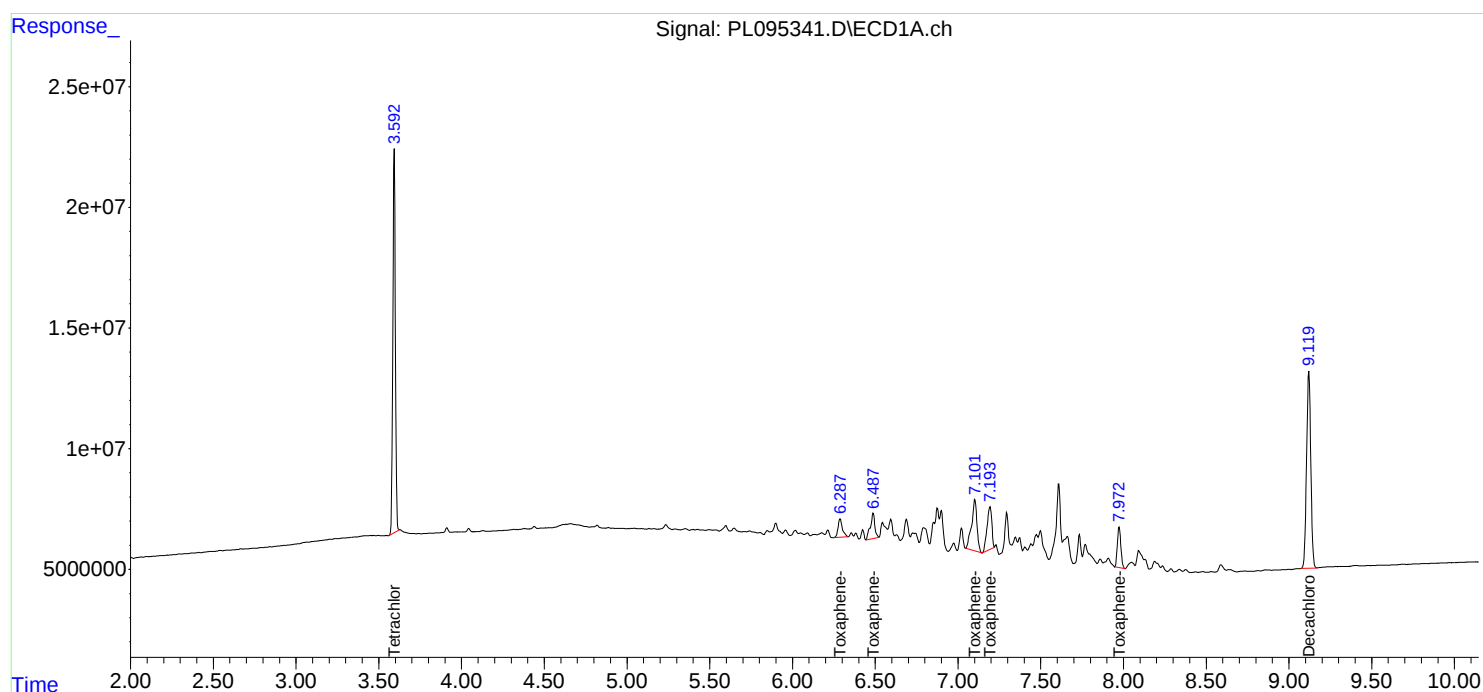
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

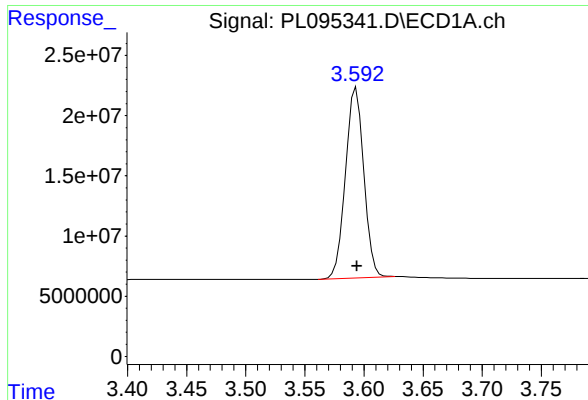
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

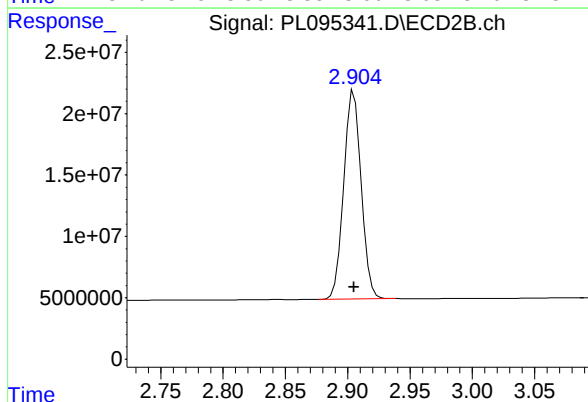




#1 Tetrachloro-m-xylene

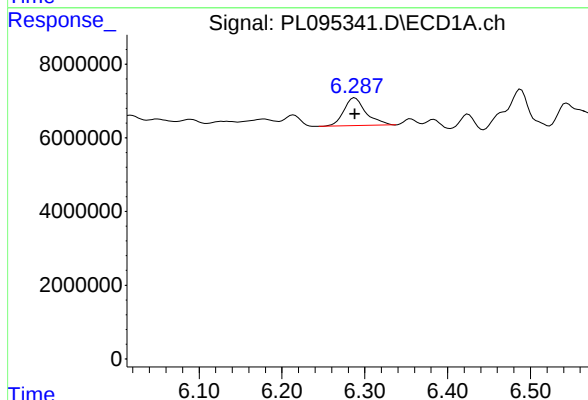
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 170571762
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



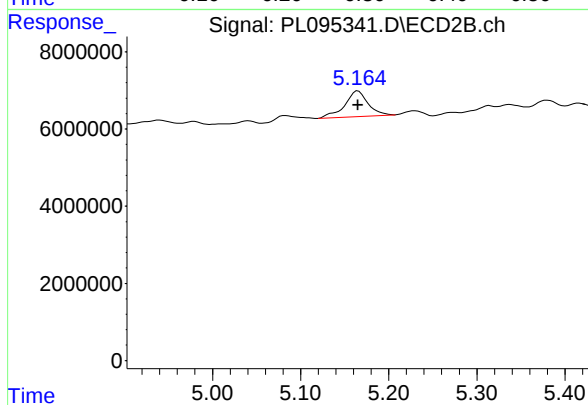
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 165170069
Conc: 50.00 ng/ml



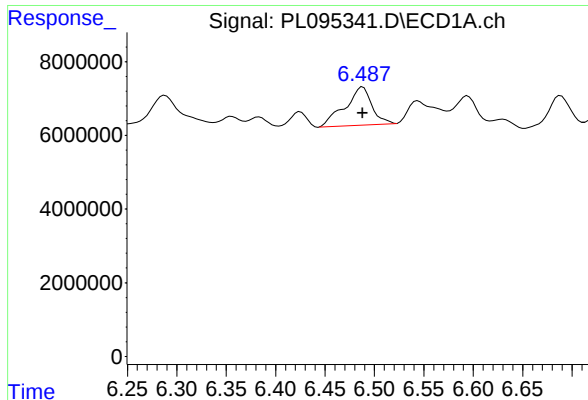
#2 Toxaphene-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 14117602
Conc: 500.00 ng/ml



#2 Toxaphene-1

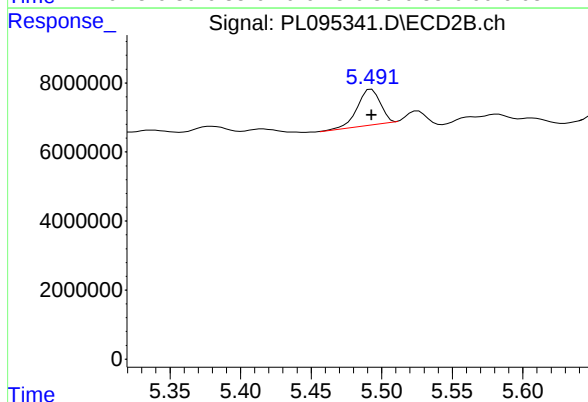
R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 12301124
Conc: 500.00 ng/ml



#3 Toxaphene-2

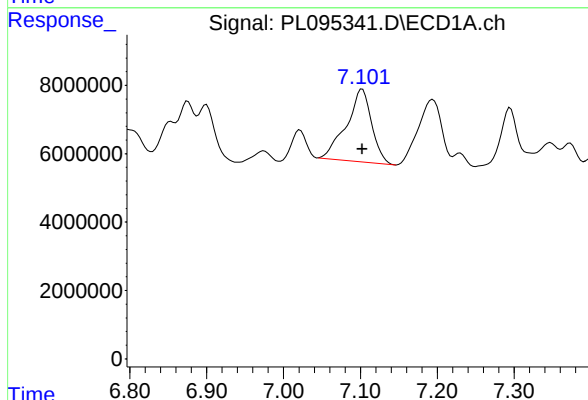
R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 19710754
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



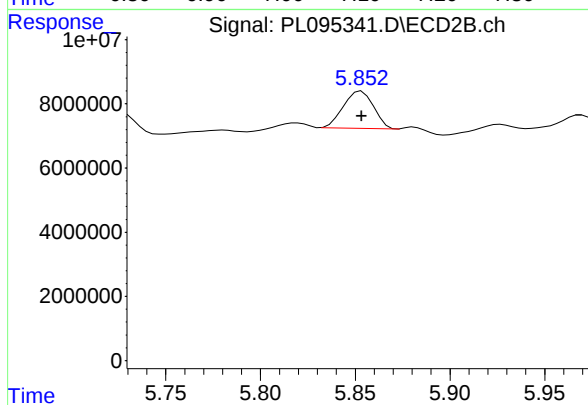
#3 Toxaphene-2

R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 11783269
Conc: 500.00 ng/ml



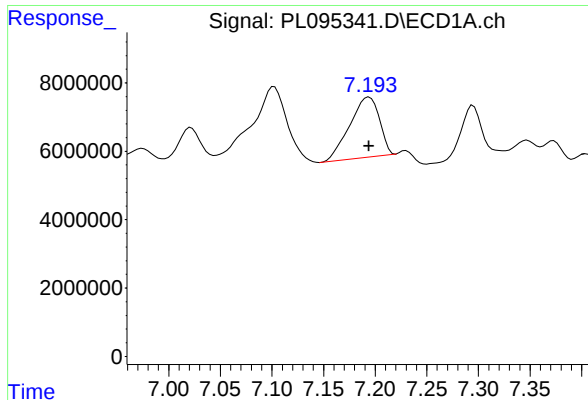
#4 Toxaphene-3

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 48154475
Conc: 500.00 ng/ml



#4 Toxaphene-3

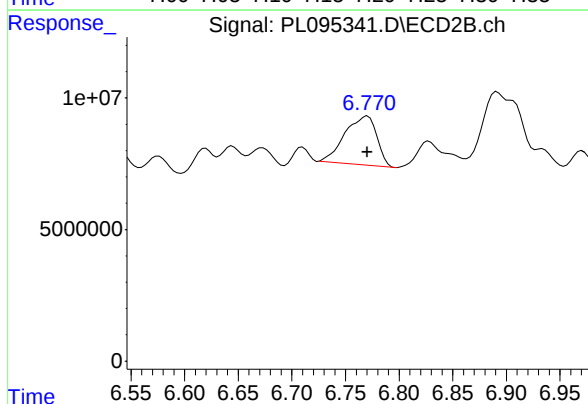
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 12799809
Conc: 500.00 ng/ml



#5 Toxaphene-4

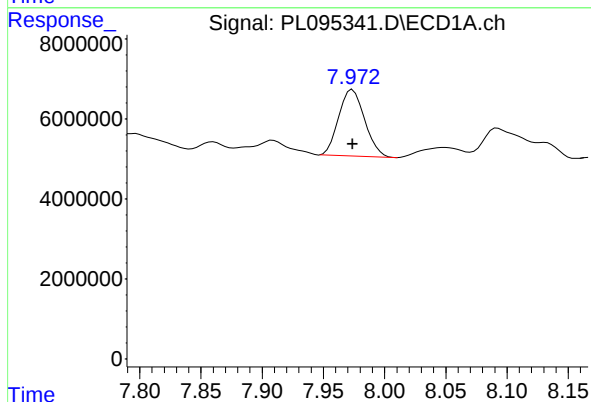
R.T.: 7.194 min
Delta R.T.: 0.000 min
Response: 35158460
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



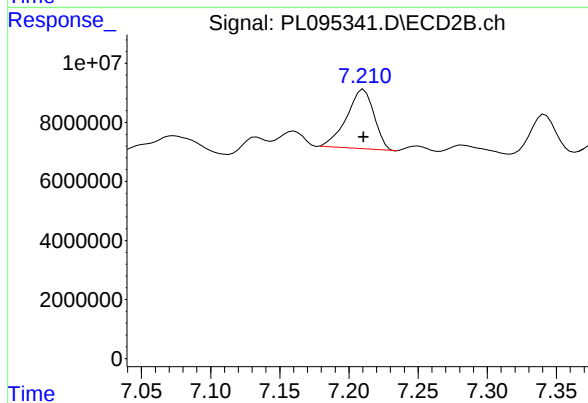
#5 Toxaphene-4

R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 38422565
Conc: 500.00 ng/ml



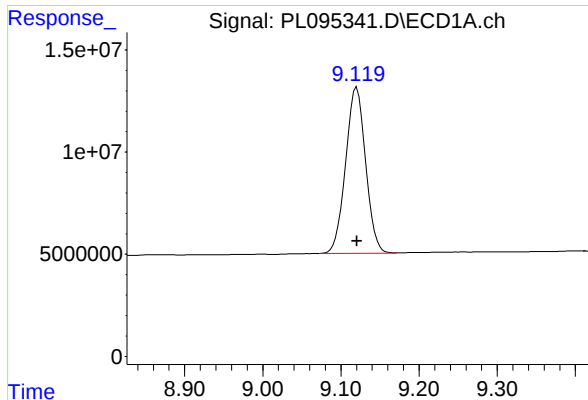
#6 Toxaphene-5

R.T.: 7.974 min
Delta R.T.: 0.000 min
Response: 24549107
Conc: 500.00 ng/ml



#6 Toxaphene-5

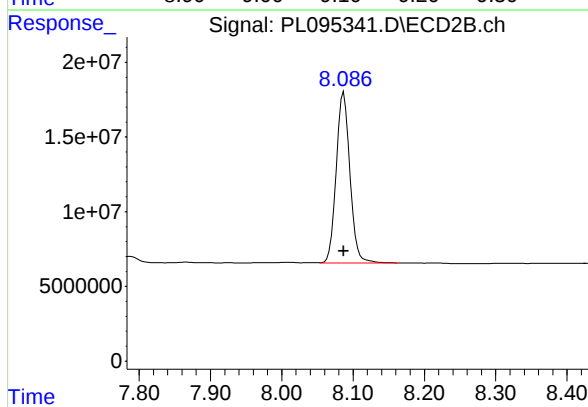
R.T.: 7.211 min
Delta R.T.: 0.000 min
Response: 27736717
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: 0.000 min
Response: 144271987
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 152410533
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 15:13
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 15:28:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.905	154.4E6	154.0E6	47.297	48.427
28) SA Decachlor...	9.120	8.087	130.3E6	142.7E6	47.035	48.231
Target Compounds						
2) A alpha-BHC	4.045	3.415	235.8E6	218.0E6	47.593	49.009
3) MA gamma-BHC...	4.375	3.748	227.3E6	214.4E6	48.011m	48.752
4) MA Heptachlor	4.974	4.103	213.7E6	210.0E6	46.727	48.192
5) MB Aldrin	5.316	4.388	220.0E6	199.9E6	47.889	48.581
6) B beta-BHC	4.562	4.042	94308785	98829555	45.614	47.609
7) B delta-BHC	4.809	4.278	220.8E6	214.8E6	47.481m	49.029
8) B Heptachlo...	5.737	4.891	190.5E6	186.4E6	47.572	48.260
9) A Endosulfan I	6.120	5.264	183.5E6	176.9E6	48.325	48.341
10) B gamma-Chl...	5.991	5.144	194.9E6	193.2E6	47.767	47.668
11) B alpha-Chl...	6.072	5.208	197.5E6	190.6E6	48.568	47.882
12) B 4,4'-DDE	6.241	5.394	188.3E6	193.3E6	48.037	47.532
13) MA Dieldrin	6.394	5.529	186.0E6	193.7E6	48.243	47.616
14) MA Endrin	6.621	5.804	154.5E6	169.0E6	48.521	46.407
15) B Endosulfa...	6.833	6.094	157.6E6	173.0E6	49.361	48.167
16) A 4,4'-DDD	6.751	5.947	140.1E6	158.3E6	49.490	48.446
17) MA 4,4'-DDT	7.066	6.201	136.1E6	160.2E6	47.766	46.611
18) B Endrin al...	6.962	6.272	111.9E6	125.2E6	48.203	47.895
19) B Endosulfa...	7.195	6.496	134.2E6	159.2E6	47.903	47.991
20) A Methoxychlor	7.538	6.772	65789961	87833349	47.157	46.048
21) B Endrin ke...	7.677	7.002	138.2E6	175.4E6	48.469	49.801
22) Mirex	8.158	7.197	113.5E6	137.9E6	47.769	47.828m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL042325

Manual Integrations

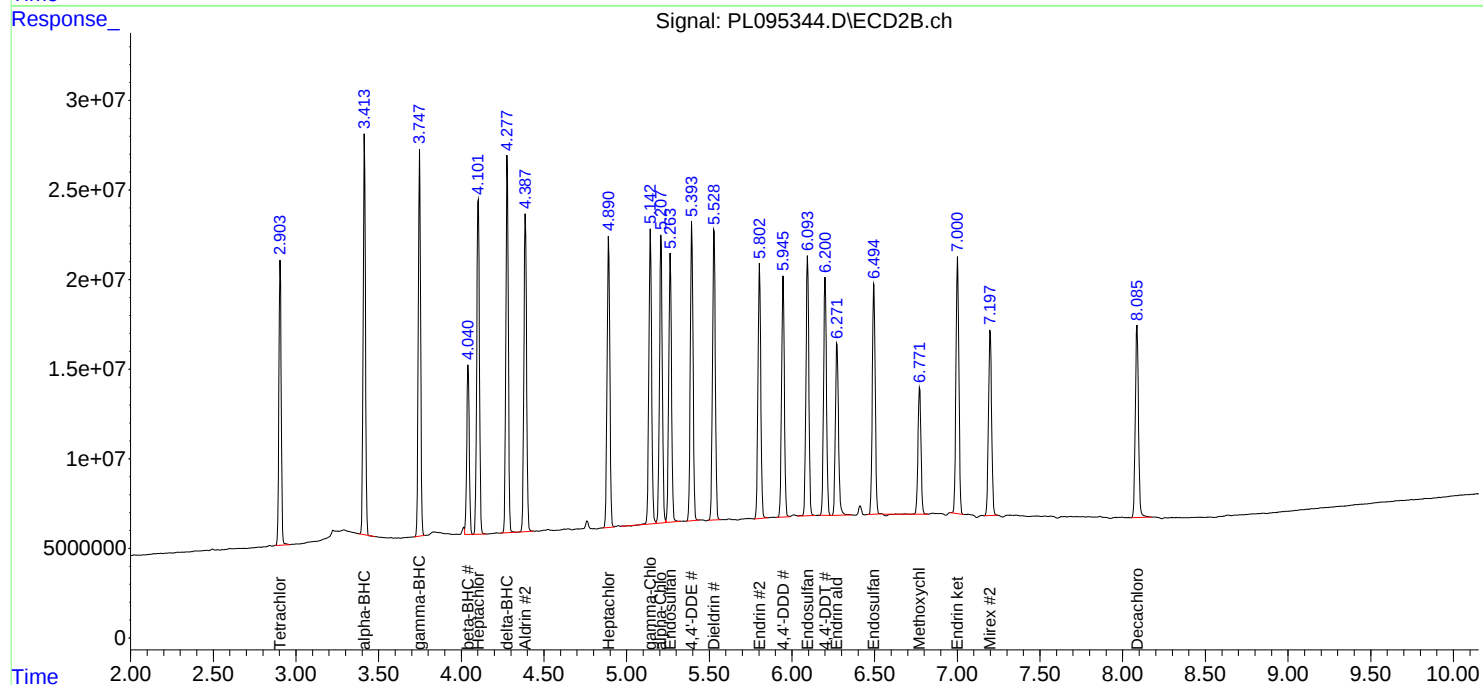
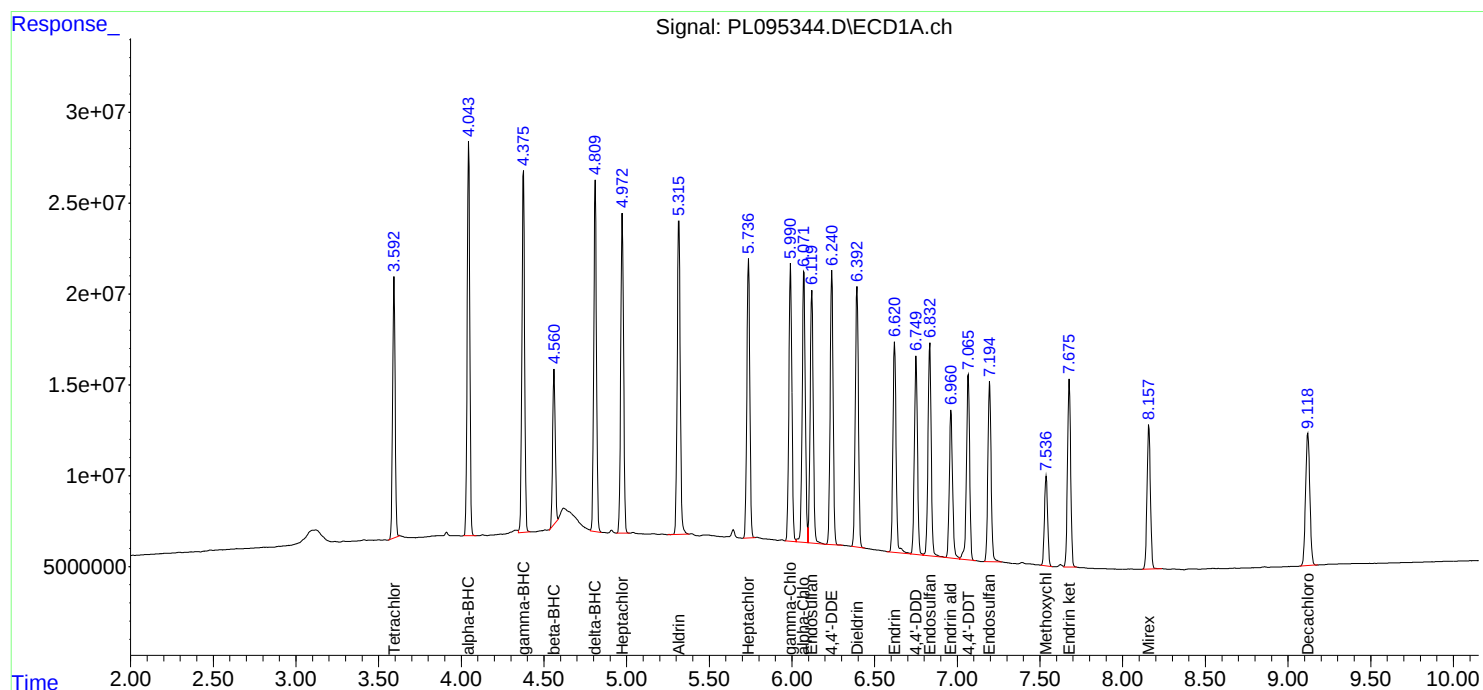
APPROVED

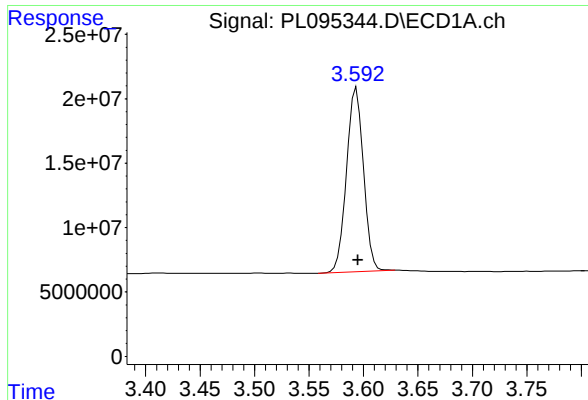
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





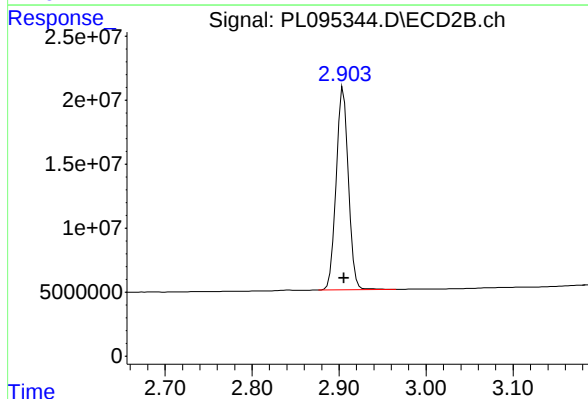
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 154410740
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

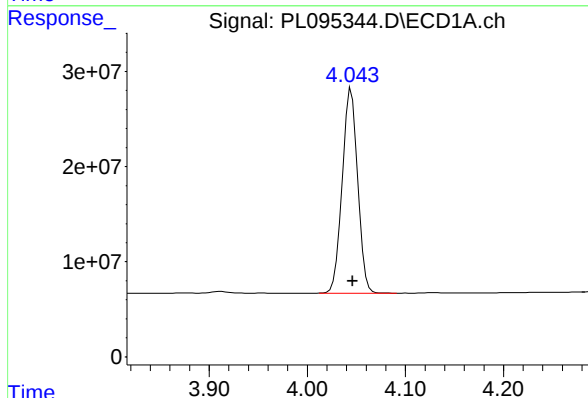
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



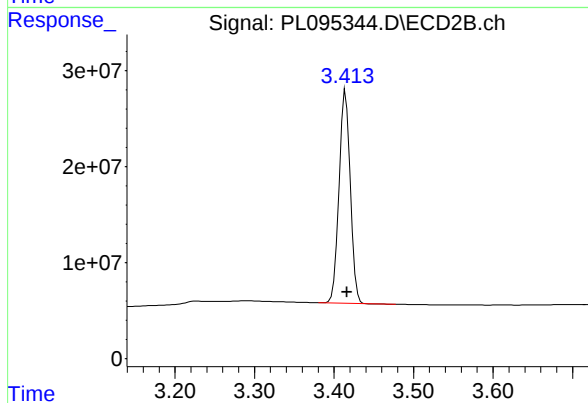
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 153984476
Conc: 48.43 ng/ml



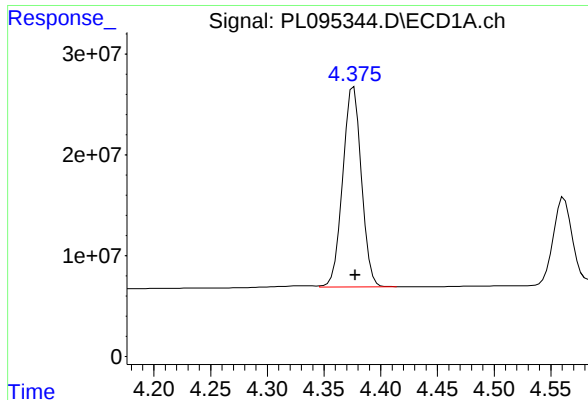
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 235765041
Conc: 47.59 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 218028468
Conc: 49.01 ng/ml



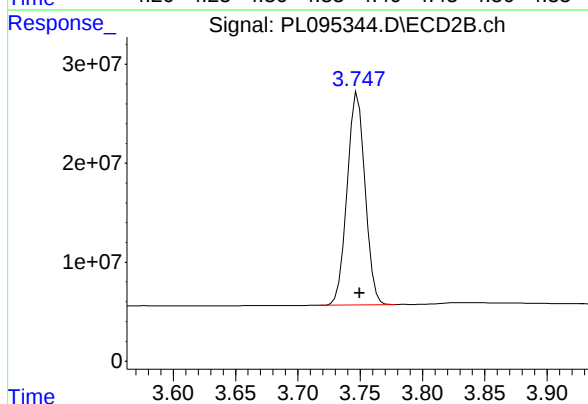
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 227284929
Conc: 48.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

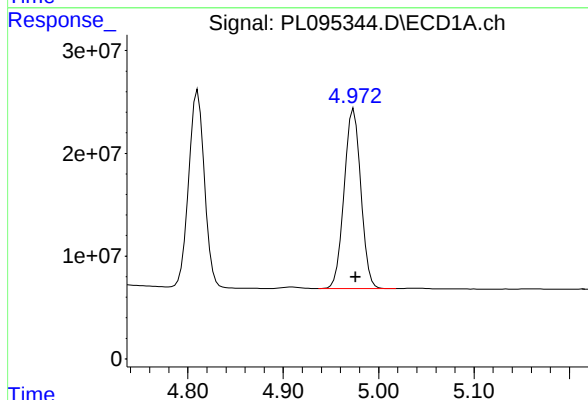
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



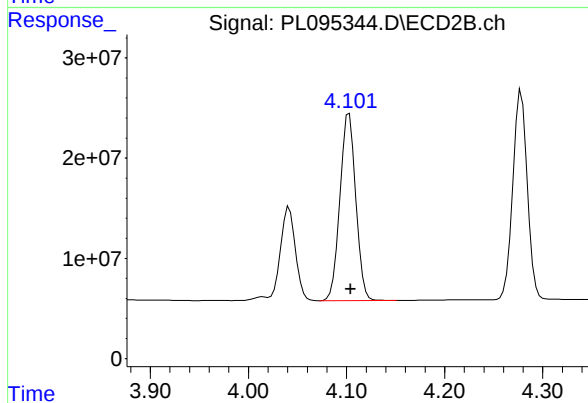
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 214423481
Conc: 48.75 ng/ml



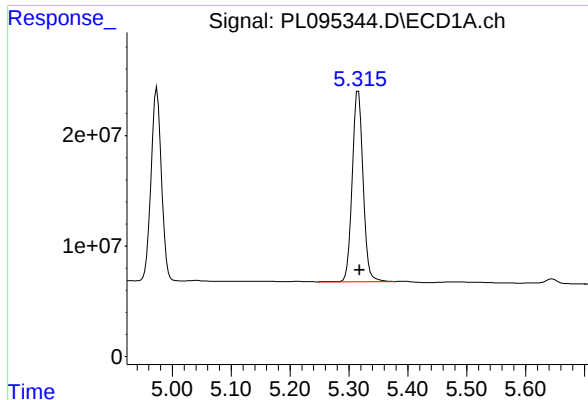
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 213749633
Conc: 46.73 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 209958357
Conc: 48.19 ng/ml



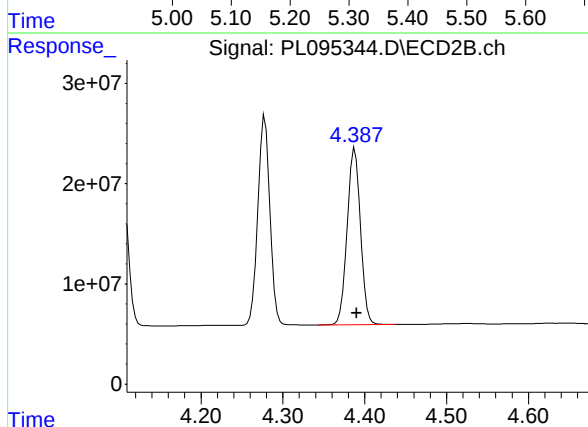
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 219953420
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

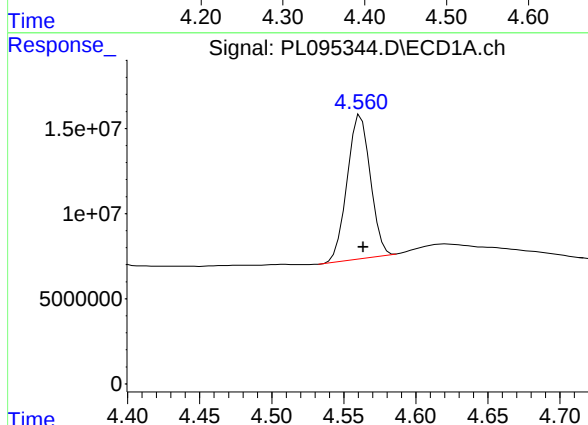
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



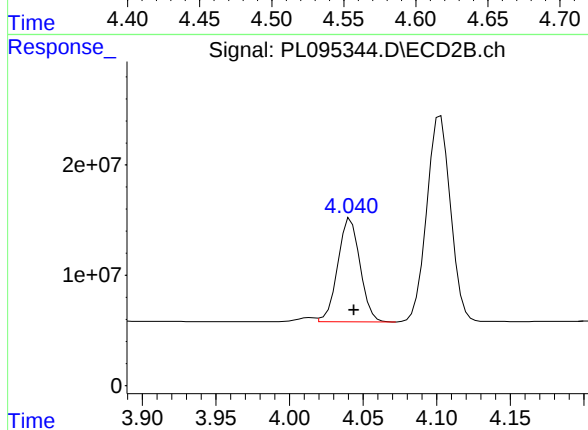
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 199944618
Conc: 48.58 ng/ml



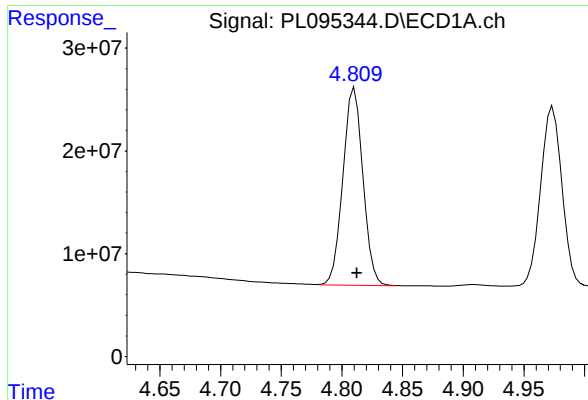
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 94308785
Conc: 45.61 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 98829555
Conc: 47.61 ng/ml



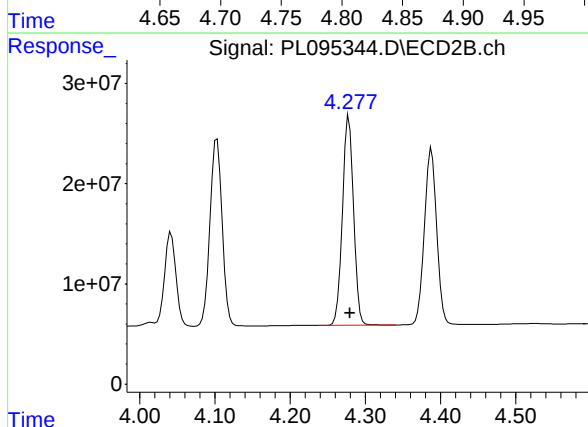
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.003 min
Response: 220818379
Conc: 47.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

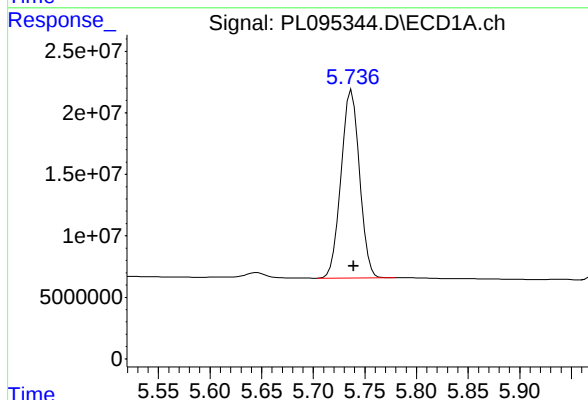
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



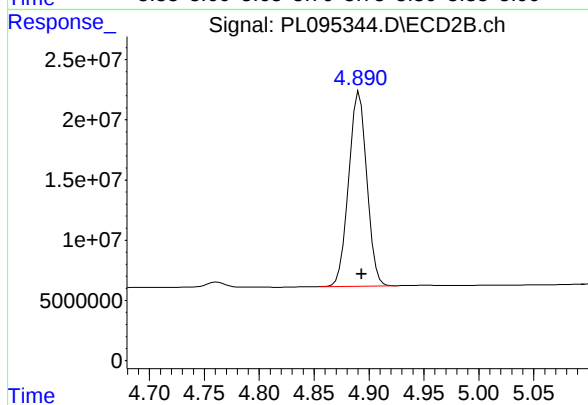
#7 delta-BHC

R.T.: 4.278 min
Delta R.T.: -0.002 min
Response: 214844463
Conc: 49.03 ng/ml



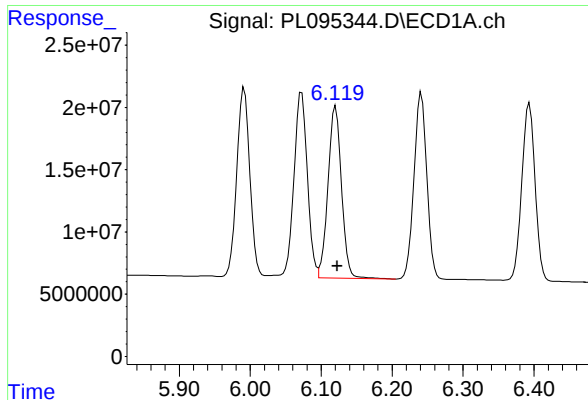
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 190534412
Conc: 47.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 186412845
Conc: 48.26 ng/ml



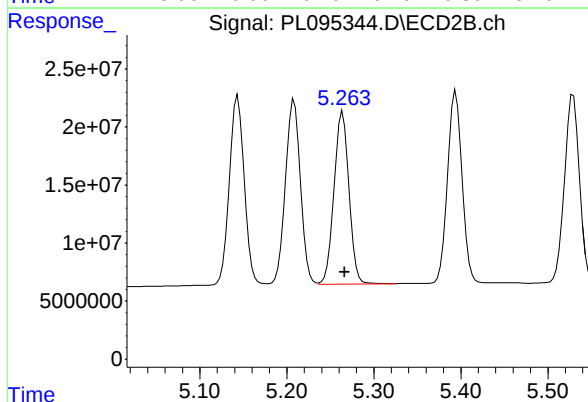
#9 Endosulfan I

R.T.: 6.120 min
Delta R.T.: -0.002 min
Response: 183513483
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

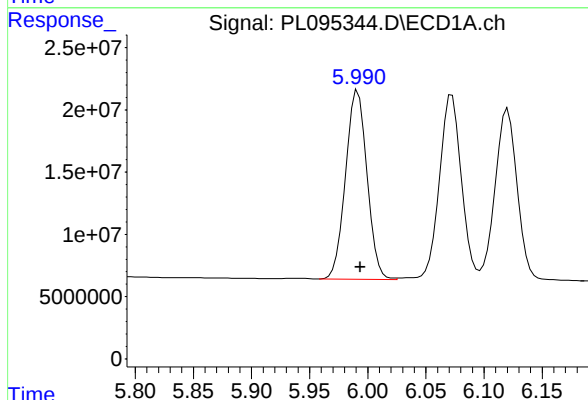
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Supervised By :mohammad ahmed 04/26/2025



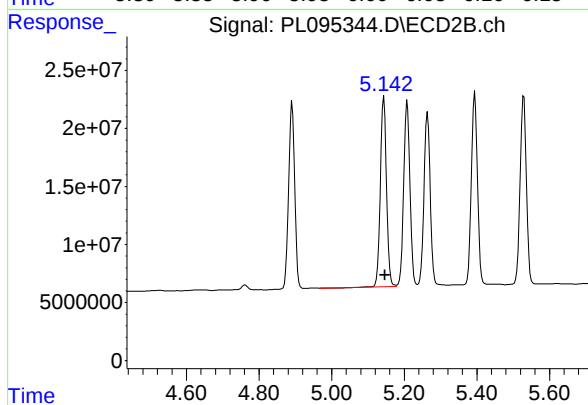
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 176948243
Conc: 48.34 ng/ml



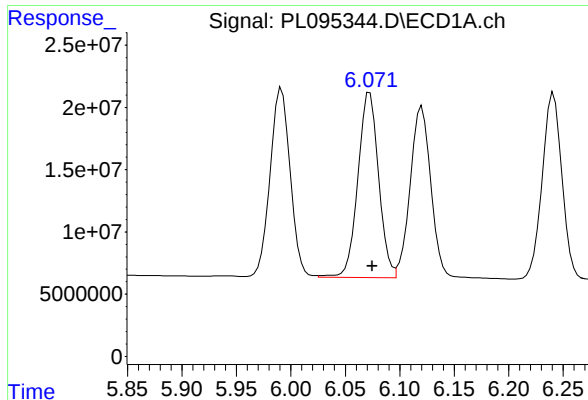
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.002 min
Response: 194858822
Conc: 47.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 193183867
Conc: 47.67 ng/ml



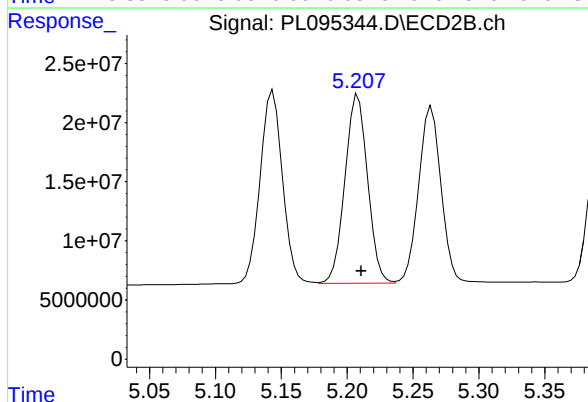
#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 197480130
Conc: 48.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

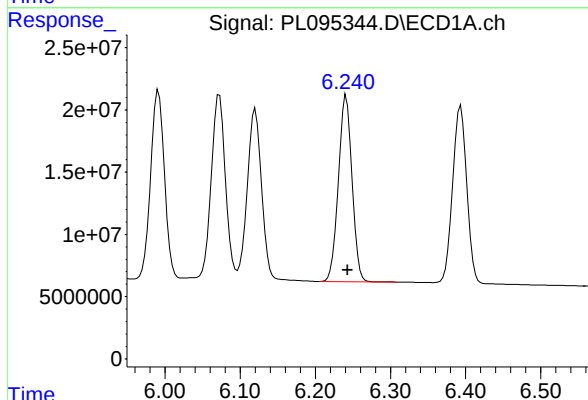
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



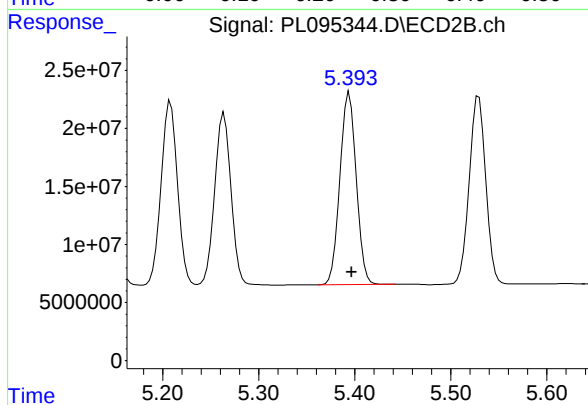
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 190622092
Conc: 47.88 ng/ml



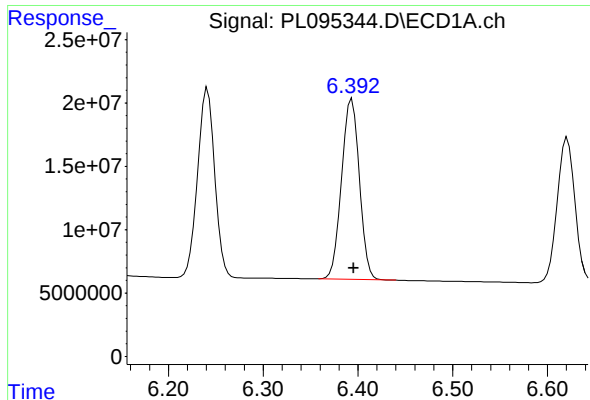
#12 4,4'-DDE

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 188330868
Conc: 48.04 ng/ml



#12 4,4'-DDE

R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 193310380
Conc: 47.53 ng/ml



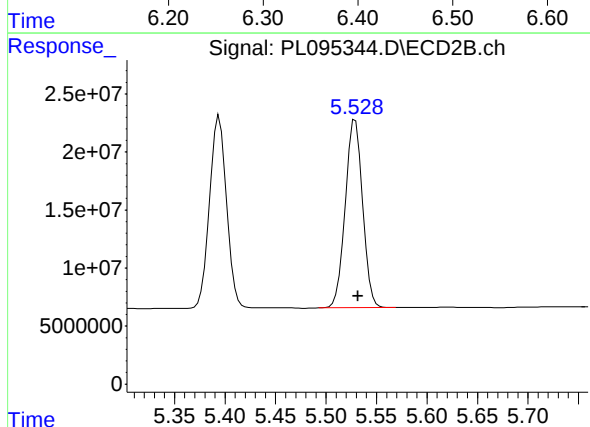
#13 Dieldrin

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 185966480
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

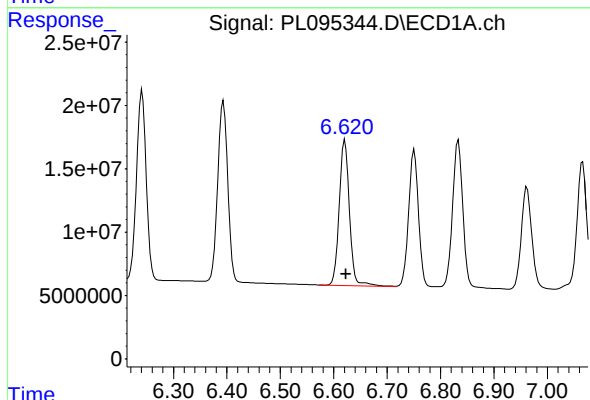
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



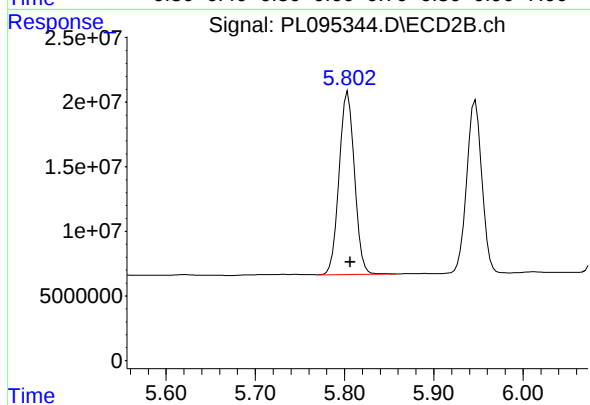
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 193657038
Conc: 47.62 ng/ml



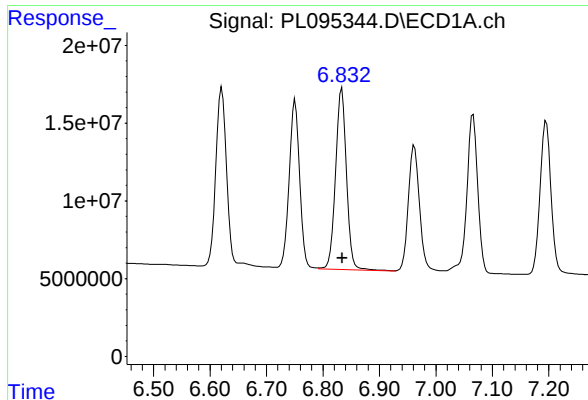
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 154528451
Conc: 48.52 ng/ml



#14 Endrin

R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 168955840
Conc: 46.41 ng/ml



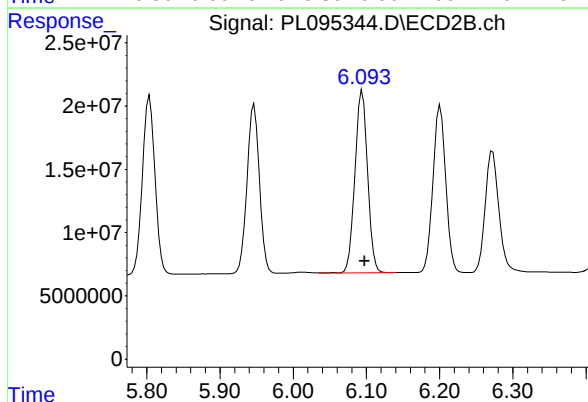
#15 Endosulfan II

R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 157567449
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

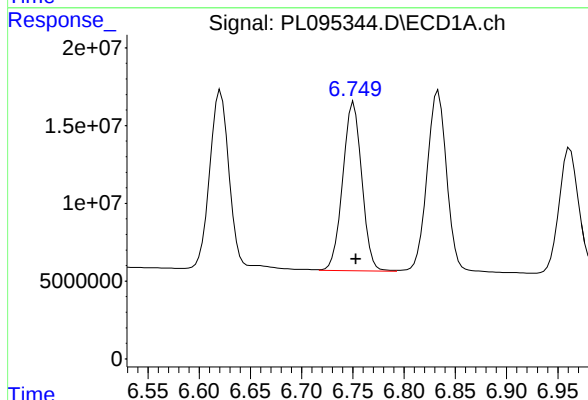
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



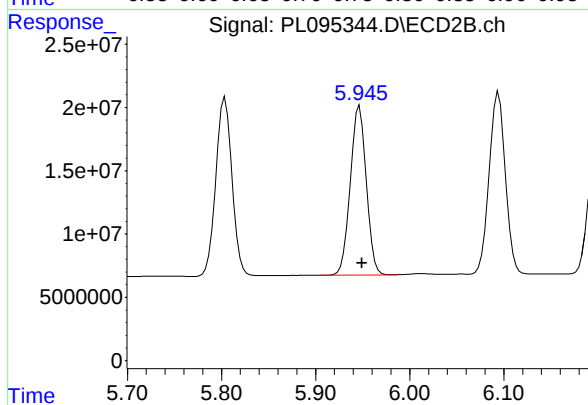
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172973782
Conc: 48.17 ng/ml



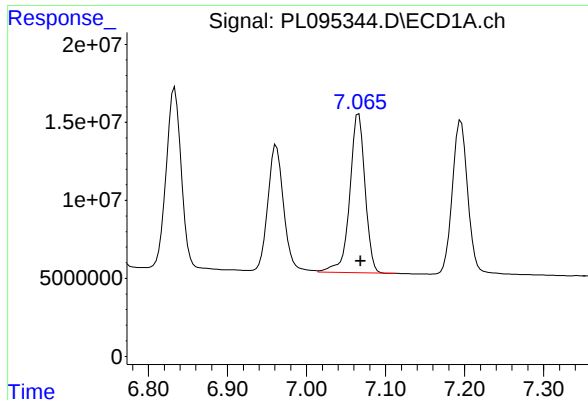
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 140103814
Conc: 49.49 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 158264661
Conc: 48.45 ng/ml



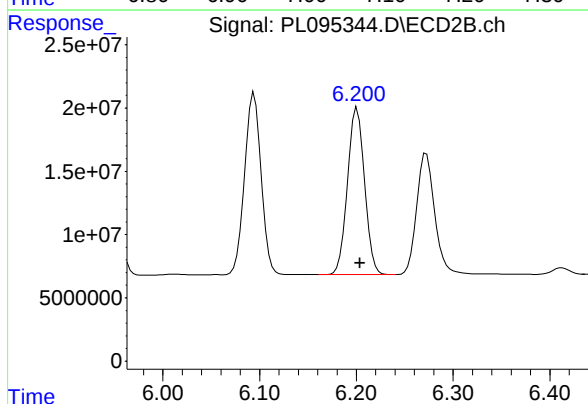
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 136066041
Conc: 47.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

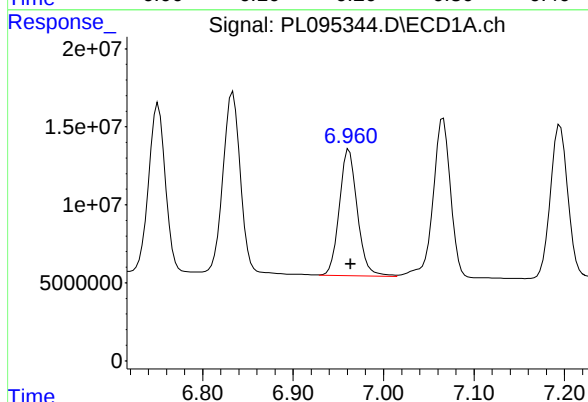
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Supervised By :mohammad ahmed 04/26/2025



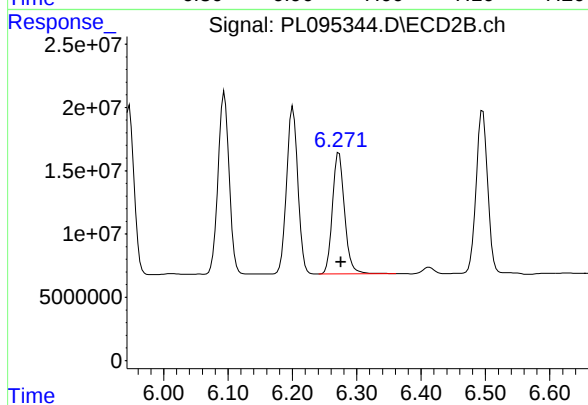
#17 4,4'-DDT

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 160165180
Conc: 46.61 ng/ml



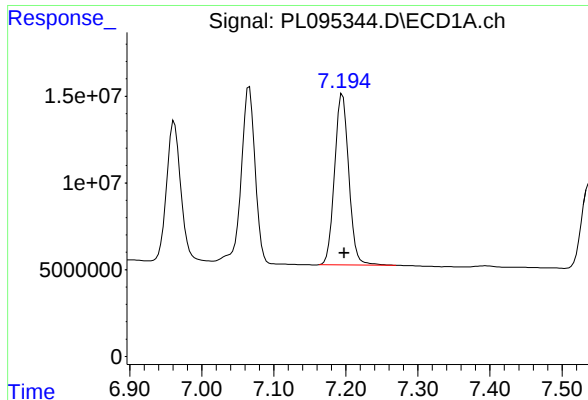
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: -0.002 min
Response: 111869443
Conc: 48.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 125158099
Conc: 47.90 ng/ml



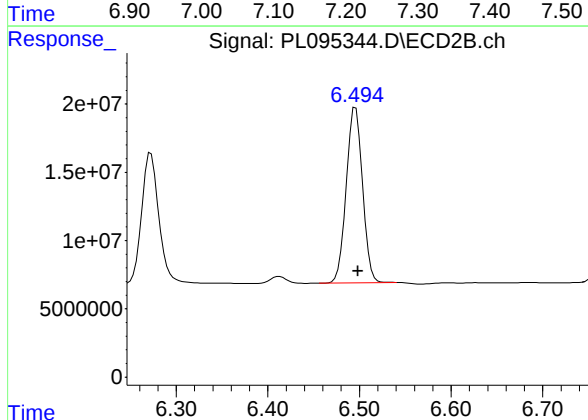
#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 134214631
Conc: 47.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

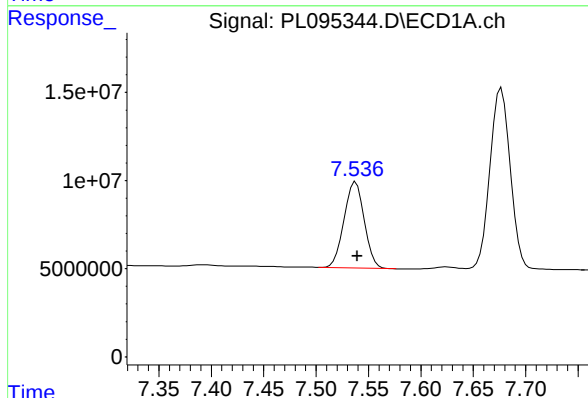
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



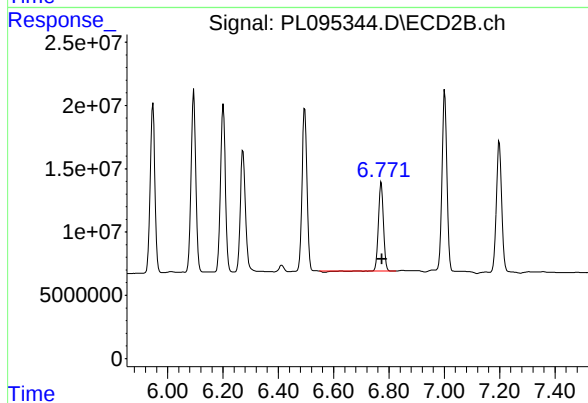
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.003 min
Response: 159229468
Conc: 47.99 ng/ml



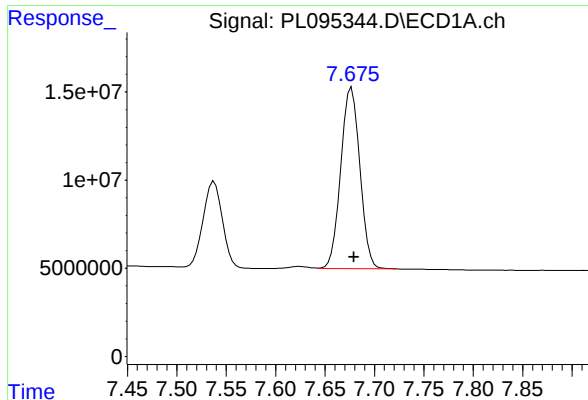
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 65789961
Conc: 47.16 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 87833349
Conc: 46.05 ng/ml



#21 Endrin ketone

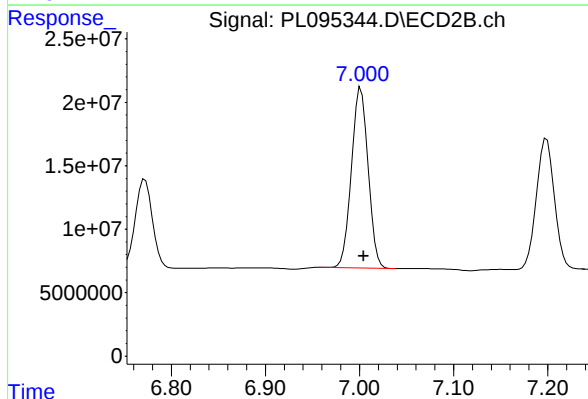
R.T.: 7.677 min
Delta R.T.: -0.002 min
Response: 138179720
Conc: 48.47 ng/ml

Instrument :

ECD_L

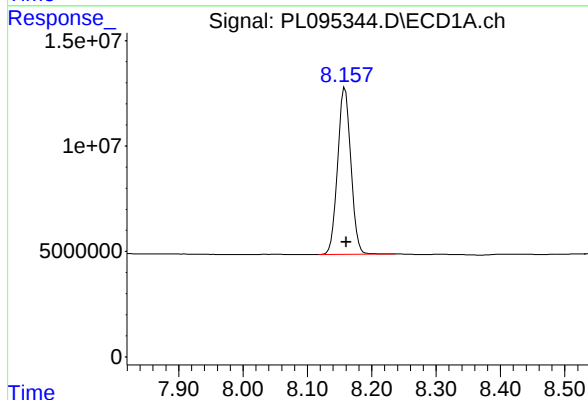
ClientSampleId :
ICVPL042325Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



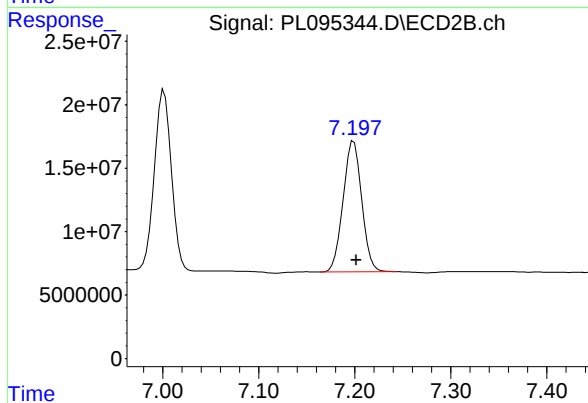
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 175365566
Conc: 49.80 ng/ml



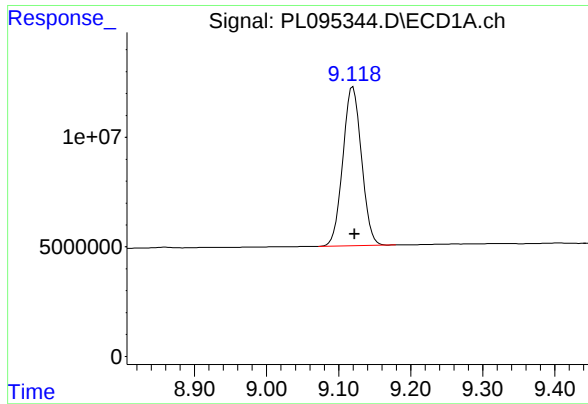
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.002 min
Response: 113501621
Conc: 47.77 ng/ml



#22 Mirex

R.T.: 7.197 min
Delta R.T.: -0.004 min
Response: 137859647
Conc: 47.83 ng/ml m



#28 Decachlorobiphenyl

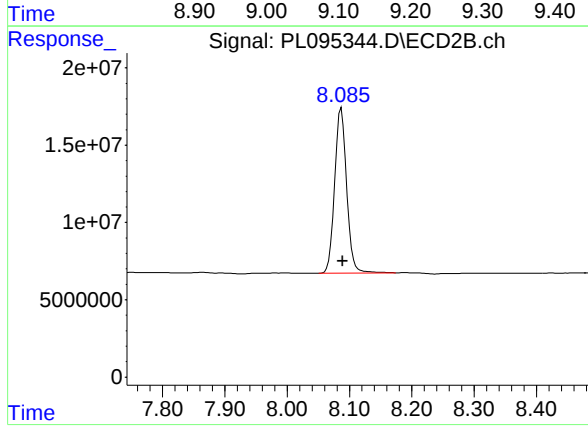
ICAL Form

R.T.: 9.120 min
Delta R.T.: -0.002 min
Response: 130326216
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: -0.003 min
Response: 142727631
Conc: 48.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:10
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 16:21:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:20:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.596	2.903	152.6E6	190.2E6	46.904	48.196
28) SA Decachlor...	9.123	8.086	128.6E6	137.5E6	46.543	46.958
Target Compounds						
23) Chlordane-1	4.762	3.923	91188494	73325625	466.422	474.178
24) Chlordane-2	5.287	4.505	99993513	86645710	472.301	470.827
25) Chlordane-3	5.994	5.143	372.5E6	248.5E6	478.250	480.953
26) Chlordane-4	6.079	5.207	452.8E6	208.8E6	480.167	480.372
27) Chlordane-5	6.919	6.103	72166294	87351531	476.072	472.838

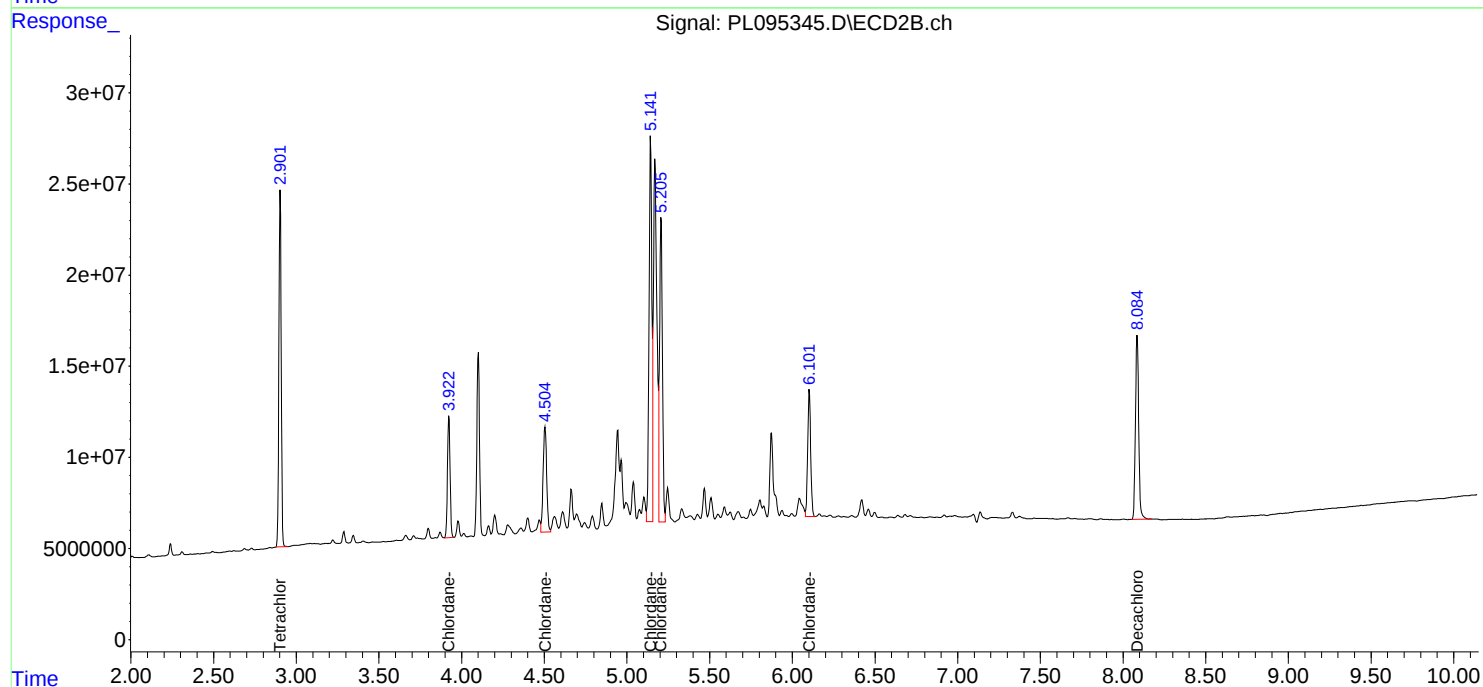
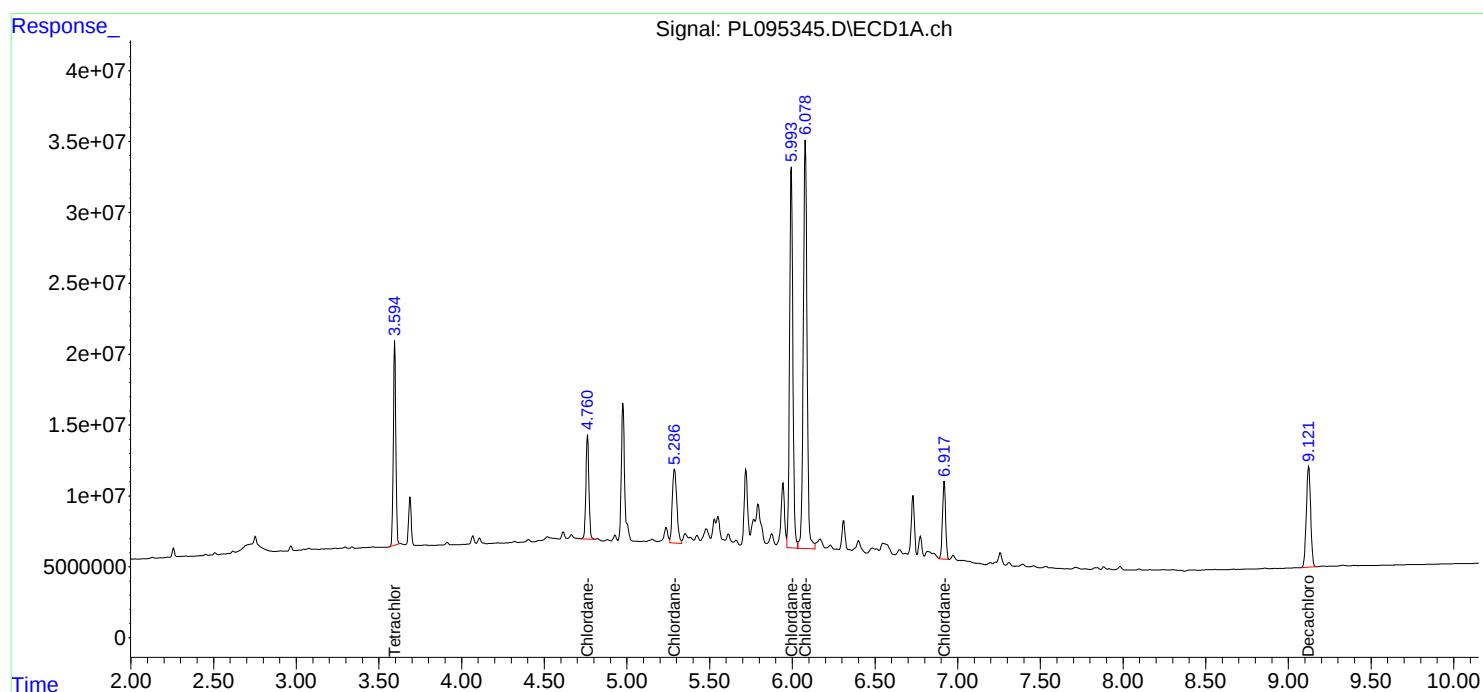
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

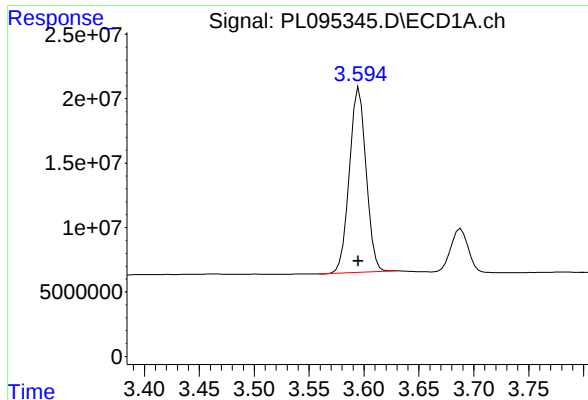
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:10
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:21:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:20:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

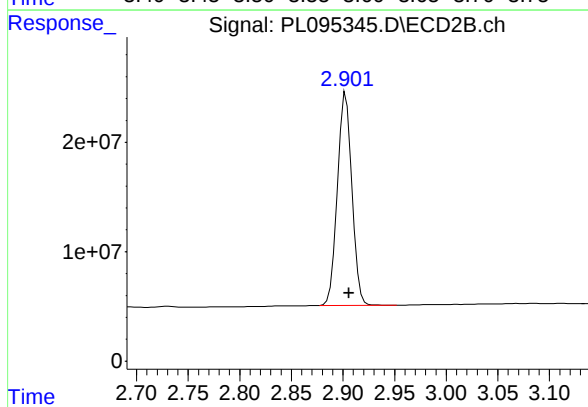




#1 Tetrachloro-m-xylene

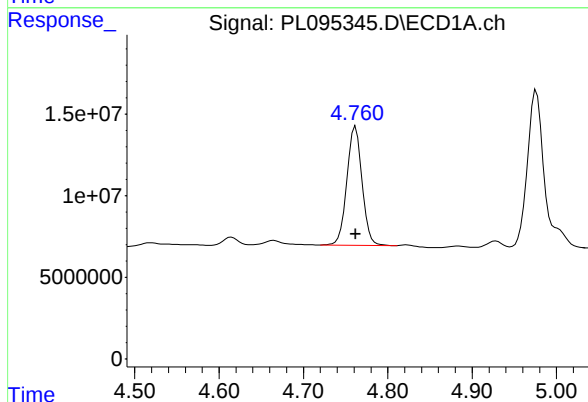
R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 152581881
Conc: 46.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



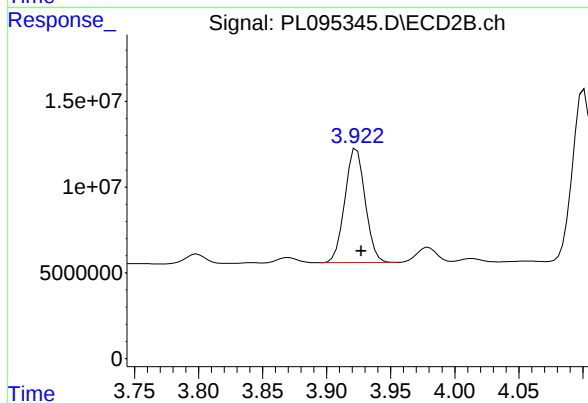
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.003 min
Response: 190242032
Conc: 48.20 ng/ml



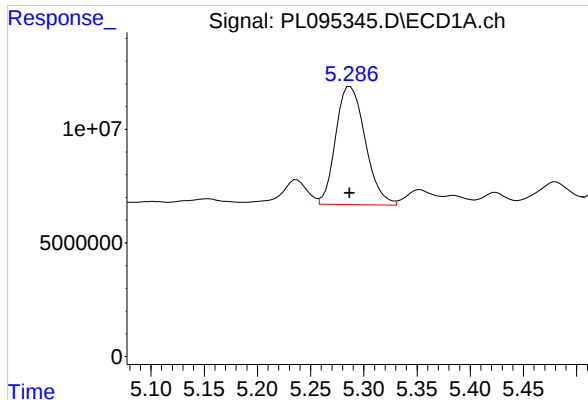
#23 Chlordane-1

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 91188494
Conc: 466.42 ng/ml



#23 Chlordane-1

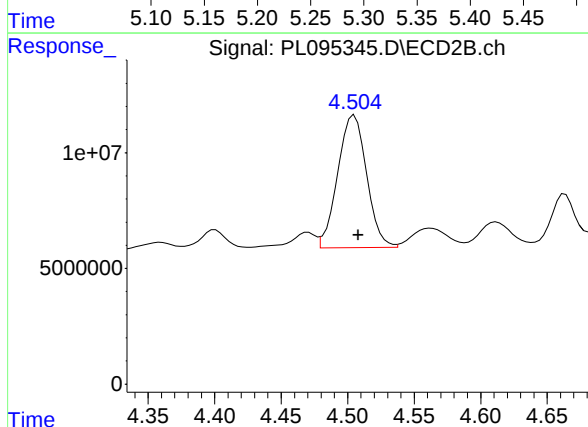
R.T.: 3.923 min
Delta R.T.: -0.004 min
Response: 73325625
Conc: 474.18 ng/ml



#24 Chlordane-2

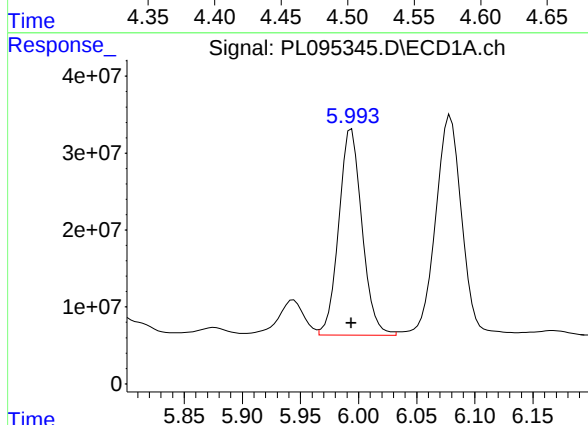
R.T.: 5.287 min
Delta R.T.: 0.000 min
Response: 99993513
Conc: 472.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



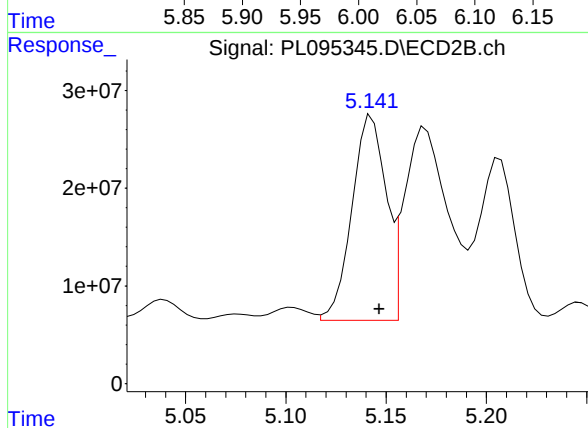
#24 Chlordane-2

R.T.: 4.505 min
Delta R.T.: -0.003 min
Response: 86645710
Conc: 470.83 ng/ml



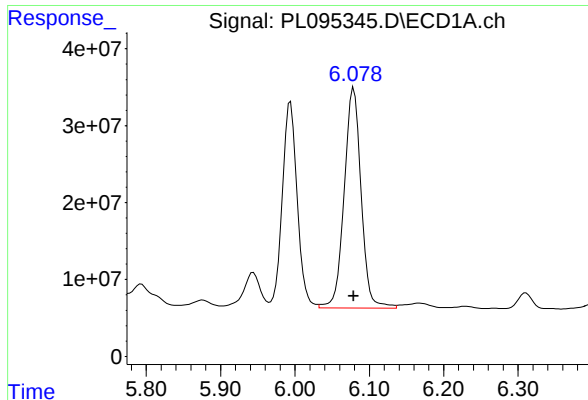
#25 Chlordane-3

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 372521270
Conc: 478.25 ng/ml



#25 Chlordane-3

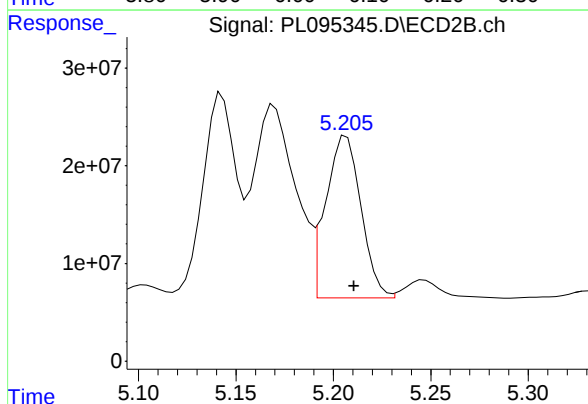
R.T.: 5.143 min
Delta R.T.: -0.004 min
Response: 248470862
Conc: 480.95 ng/ml



#26 Chlordane-4

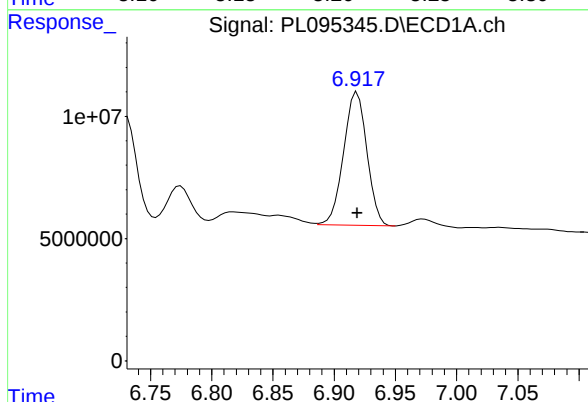
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 452763722
Conc: 480.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



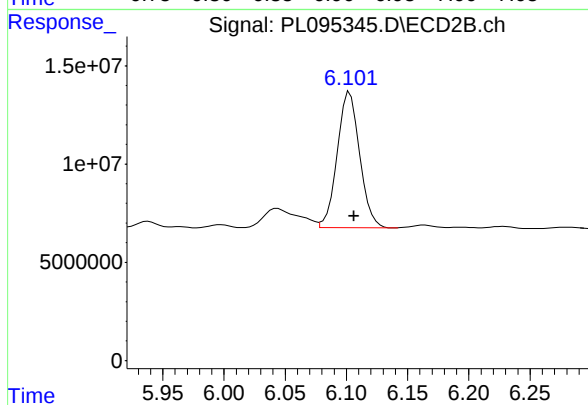
#26 Chlordane-4

R.T.: 5.207 min
Delta R.T.: -0.004 min
Response: 208775465
Conc: 480.37 ng/ml



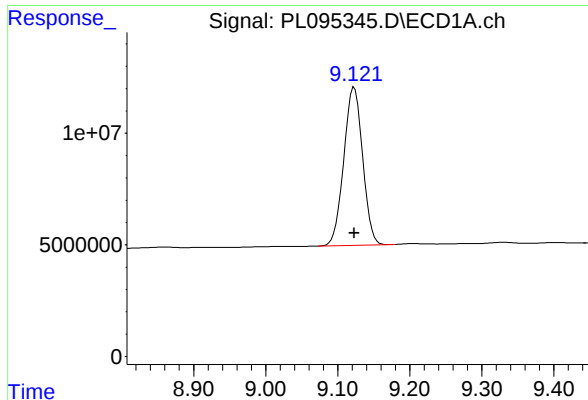
#27 Chlordane-5

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 72166294
Conc: 476.07 ng/ml



#27 Chlordane-5

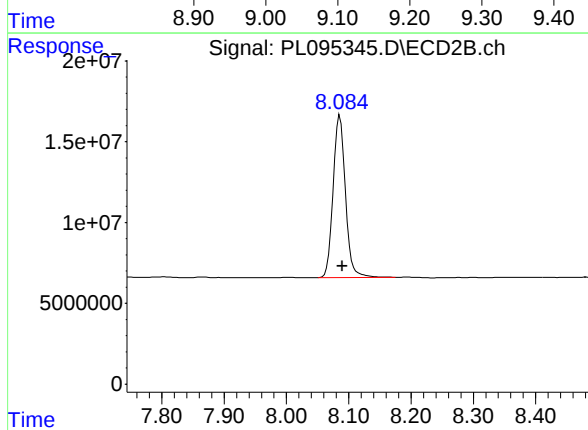
R.T.: 6.103 min
Delta R.T.: -0.003 min
Response: 87351531
Conc: 472.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 128627322
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.004 min
Response: 137498660
Conc: 46.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095346.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:24
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 16:36:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.904	175.0E6	172.3E6	53.598	54.186
28) SA Decachlor...	9.120	8.086	148.2E6	156.4E6	53.491	52.867
Target Compounds						
10) B gamma-Chl...	0.000	5.164f	0	12806257	N.D.	3.160 #
13) MA Dieldrin	6.425f	0.000	3967075	0	1.029	N.D. #
14) MA Endrin	6.594f	0.000	18777861	0	5.896	N.D. #
15) B Endosulfa...	6.853f	6.093	13207389	14589555	4.137	4.063
16) A 4,4'-DDD	0.000	5.968f	0	6419026	N.D.	1.965 #
17) MA 4,4'-DDT	0.000	6.209	0	7493461	N.D.	2.181 #
18) B Endrin al...	6.975	6.249f	4872365	11819263	2.099	4.523 #
19) B Endosulfa...	7.194	6.503	31364239	2407823	11.194	0.726 #
20) A Methoxychlor	0.000	6.769	0	48316325	N.D.	25.331 #
21) B Endrin ke...	7.662f	0.000	20669859	0	7.250	N.D. #
22) Mirex	0.000	7.209	0	34826728	N.D.	12.083 #
25) Chlordane-3	0.000	5.164f	0	12806257	N.D.	24.788 #
27) Chlordane-5	6.899f	6.093	24624356	14589555	162.444	78.974 #

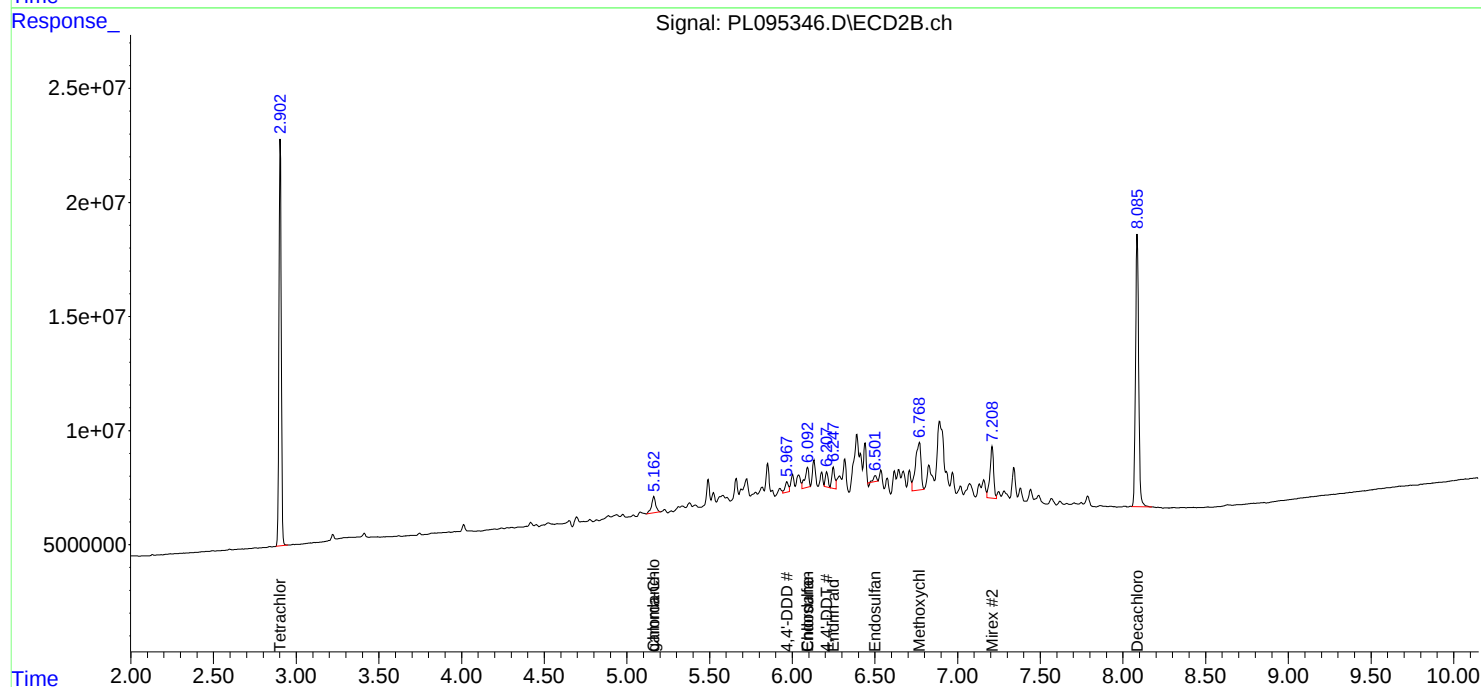
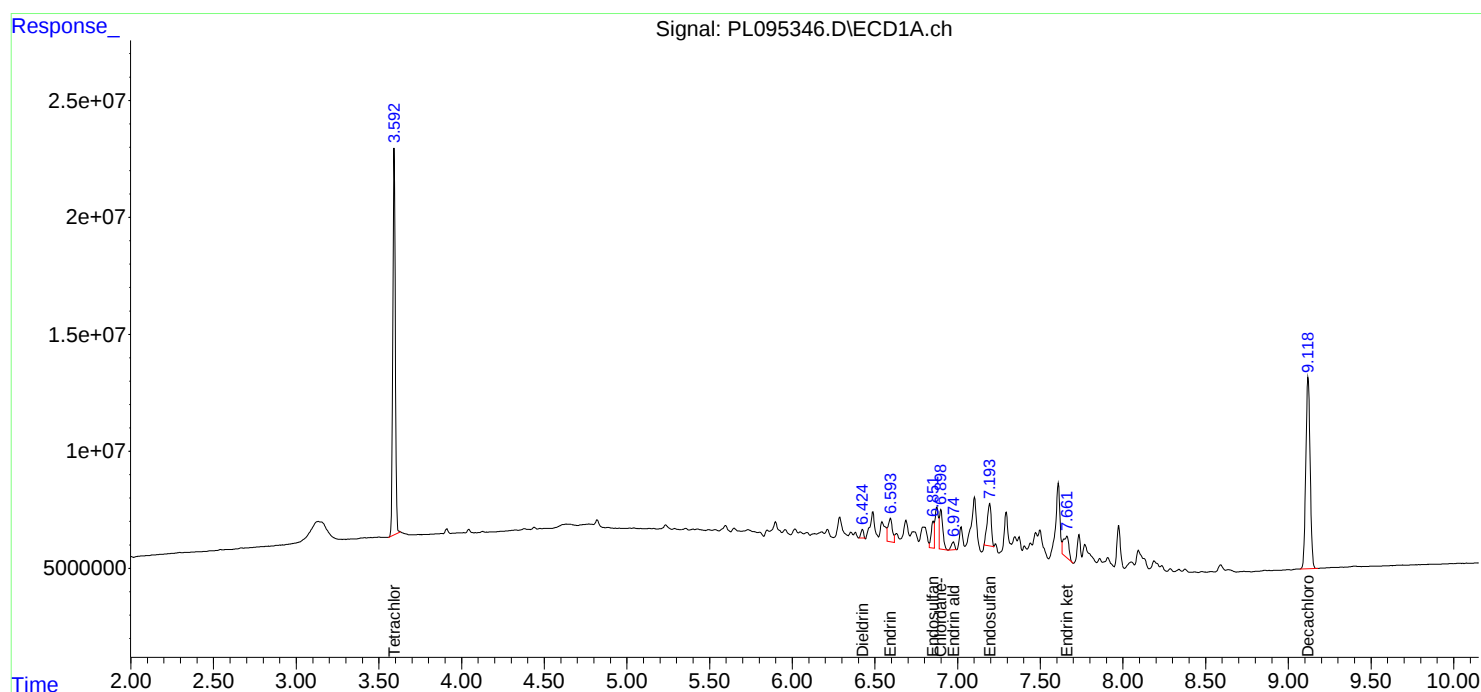
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

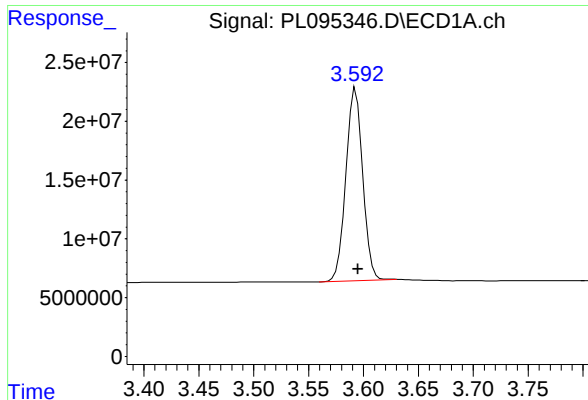
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:24
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

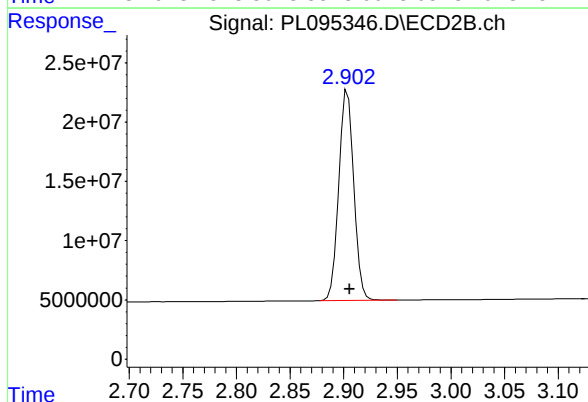




#1 Tetrachloro-m-xylene

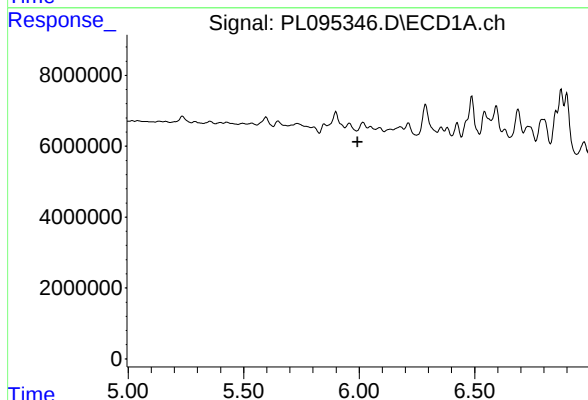
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 174979230
Conc: 53.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



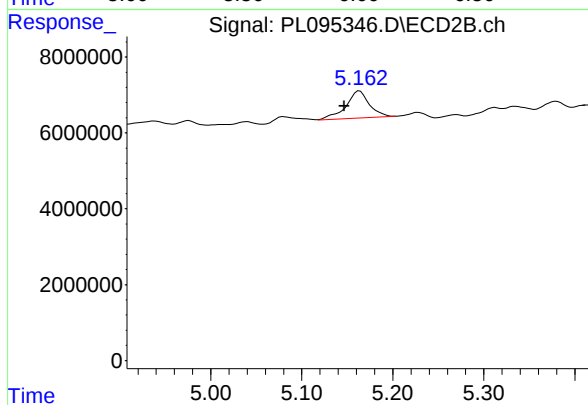
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 172297894
Conc: 54.19 ng/ml



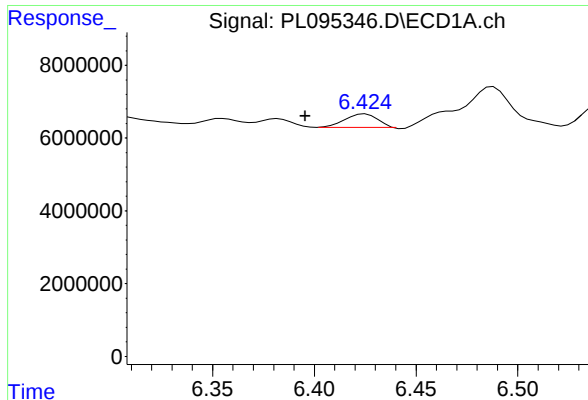
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.994 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

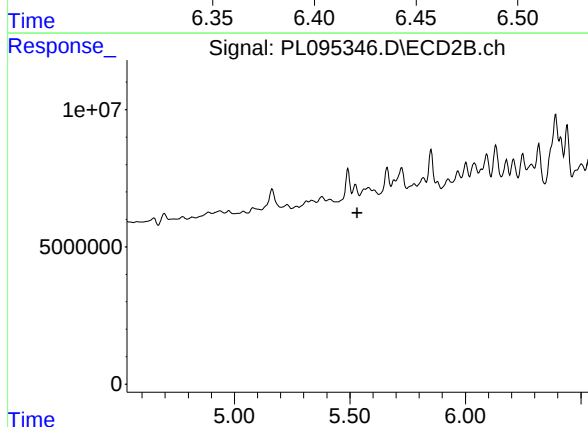
R.T.: 5.164 min
Delta R.T.: 0.017 min
Response: 12806257
Conc: 3.16 ng/ml



#13 Dieldrin

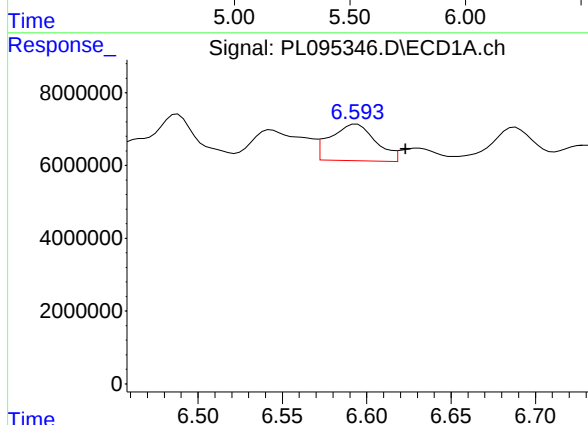
R.T.: 6.425 min
Delta R.T.: 0.029 min
Response: 3967075
Conc: 1.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



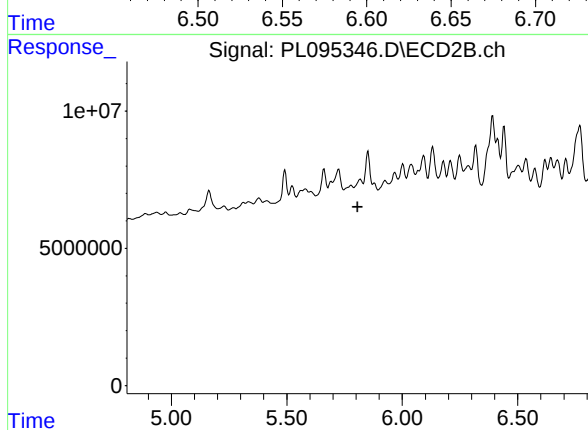
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 5.532 min
Response: 0
Conc: N.D.



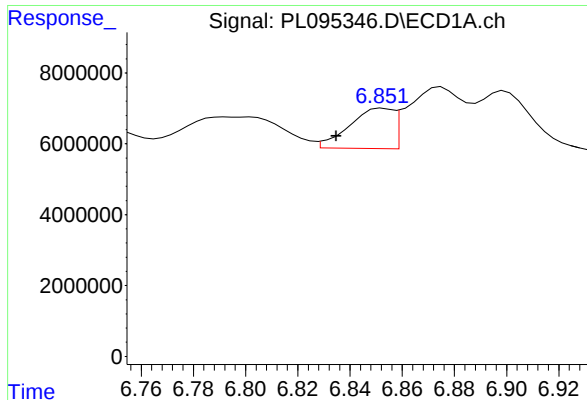
#14 Endrin

R.T.: 6.594 min
Delta R.T.: -0.029 min
Response: 18777861
Conc: 5.90 ng/ml



#14 Endrin

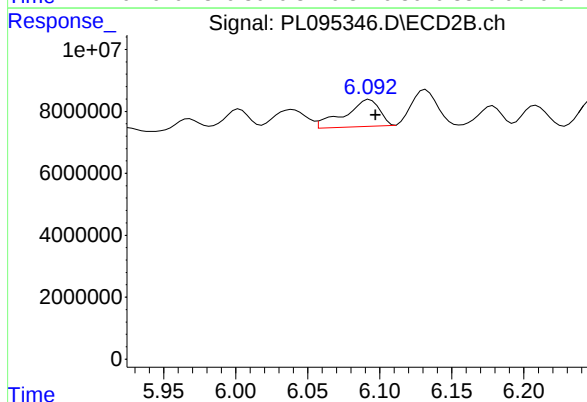
R.T.: 0.000 min
Exp R.T.: 5.807 min
Response: 0
Conc: N.D.



#15 Endosulfan II

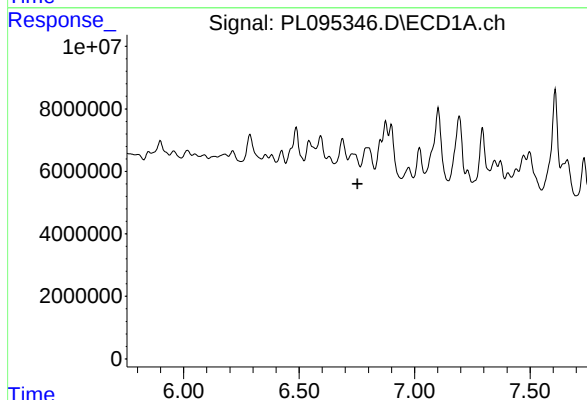
R.T.: 6.853 min
Delta R.T.: 0.018 min
Response: 13207389
Conc: 4.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



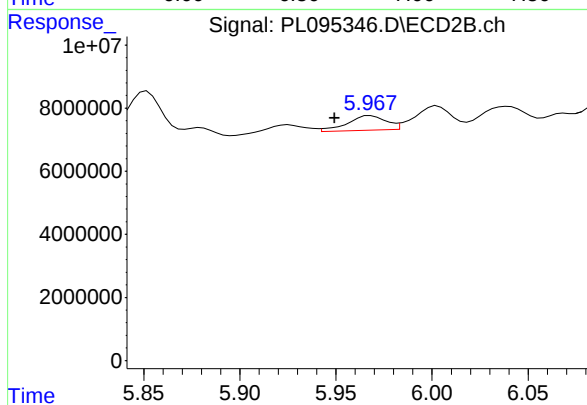
#15 Endosulfan II

R.T.: 6.093 min
Delta R.T.: -0.004 min
Response: 14589555
Conc: 4.06 ng/ml



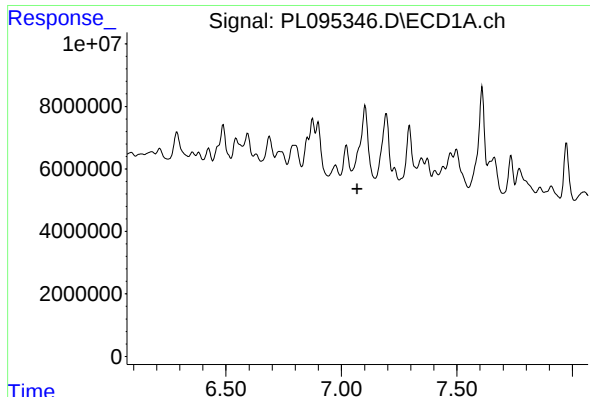
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T.: 6.753 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

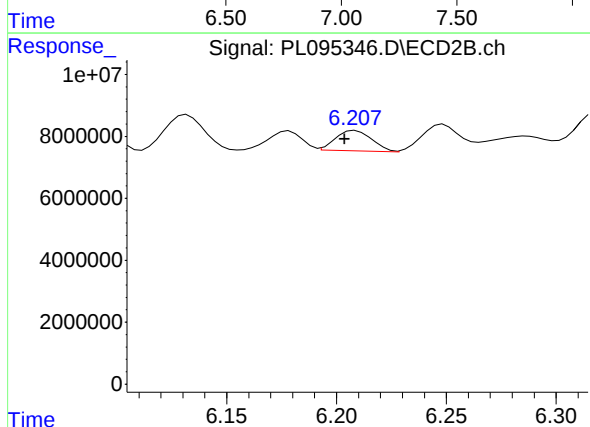
R.T.: 5.968 min
Delta R.T.: 0.019 min
Response: 6419026
Conc: 1.96 ng/ml



#17 4,4'-DDT

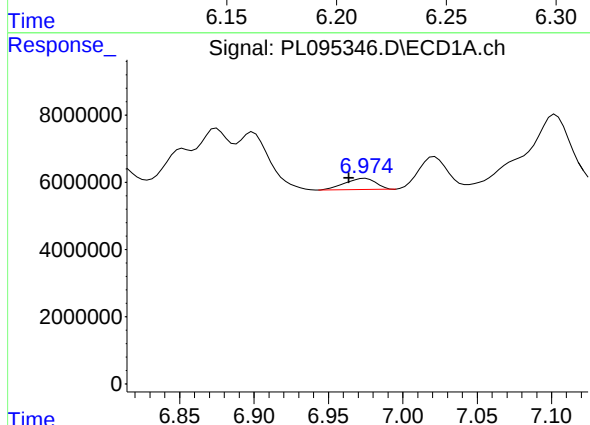
R.T.: 0.000 min
Exp R.T.: 7.069 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



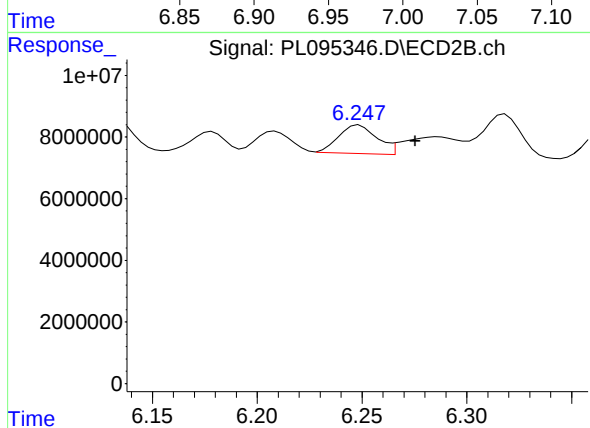
#17 4,4'-DDT

R.T.: 6.209 min
Delta R.T.: 0.005 min
Response: 7493461
Conc: 2.18 ng/ml



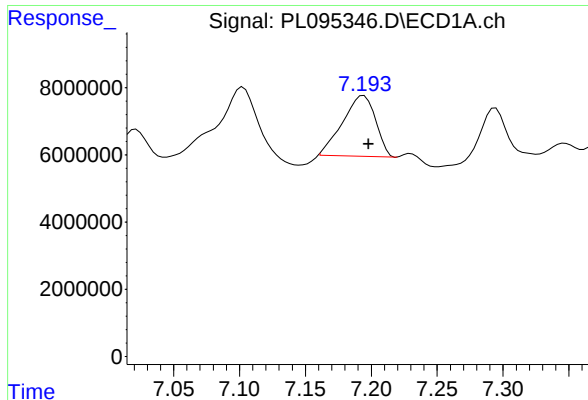
#18 Endrin aldehyde

R.T.: 6.975 min
Delta R.T.: 0.011 min
Response: 4872365
Conc: 2.10 ng/ml



#18 Endrin aldehyde

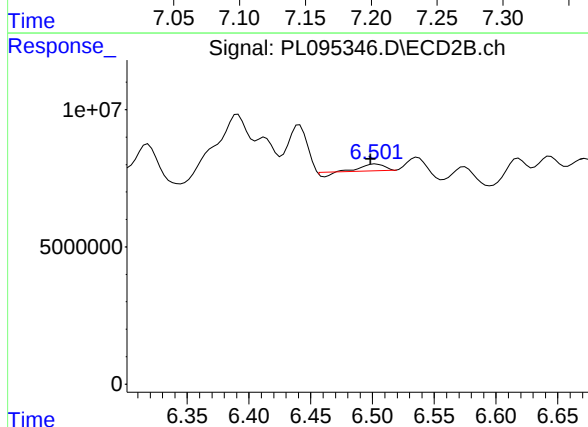
R.T.: 6.249 min
Delta R.T.: -0.027 min
Response: 11819263
Conc: 4.52 ng/ml



#19 Endosulfan Sulfate

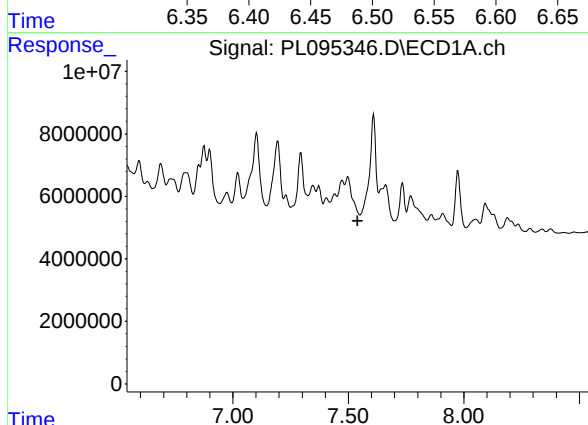
R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 31364239
Conc: 11.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



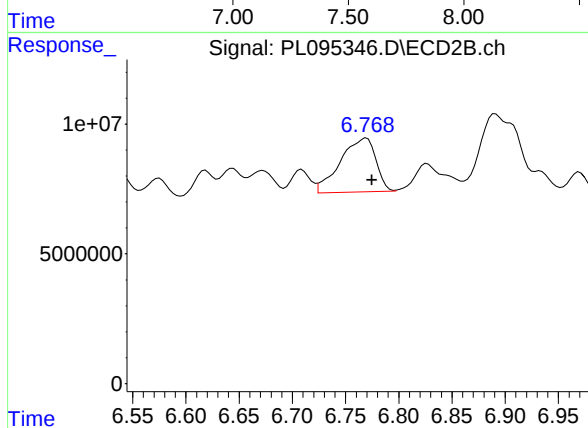
#19 Endosulfan Sulfate

R.T.: 6.503 min
Delta R.T.: 0.004 min
Response: 2407823
Conc: 0.73 ng/ml



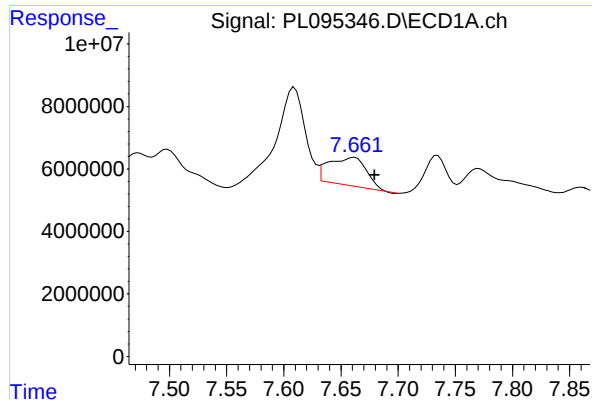
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T.: 7.540 min
Response: 0
Conc: N.D.



#20 Methoxychlor

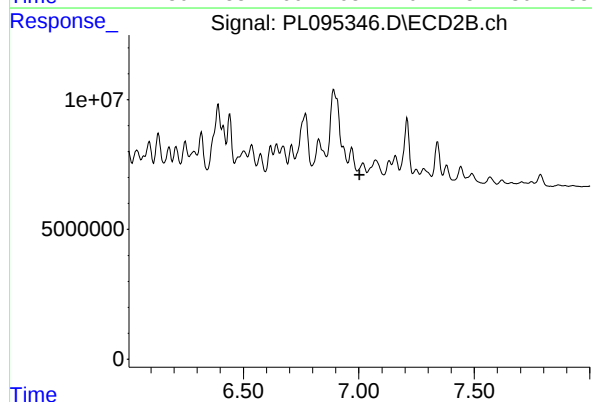
R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 48316325
Conc: 25.33 ng/ml



#21 Endrin ketone

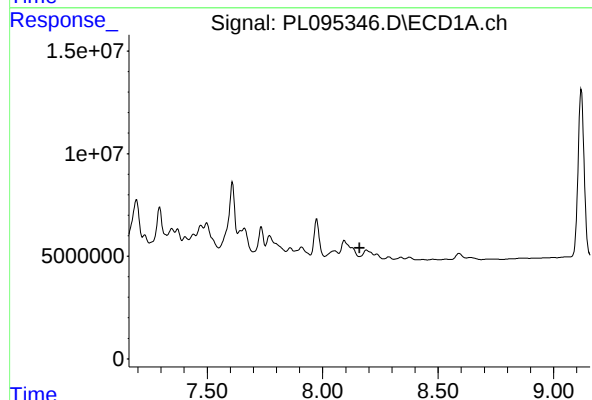
R.T.: 7.662 min
Delta R.T.: -0.017 min
Response: 20669859
Conc: 7.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



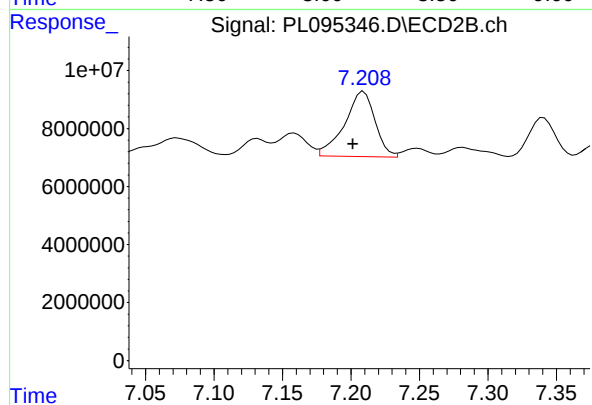
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.004 min
Response: 0
Conc: N.D.



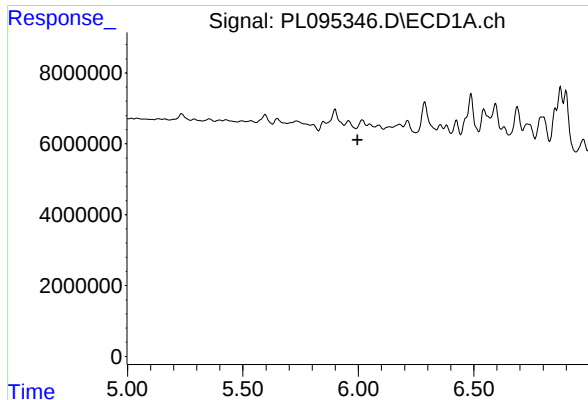
#22 Mirex

R.T.: 0.000 min
Exp R.T.: 8.161 min
Response: 0
Conc: N.D.



#22 Mirex

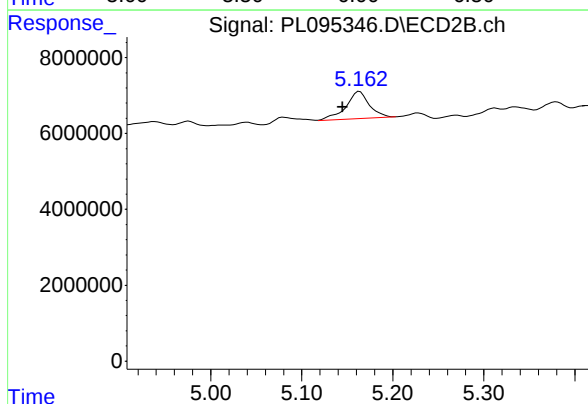
R.T.: 7.209 min
Delta R.T.: 0.008 min
Response: 34826728
Conc: 12.08 ng/ml



#25 Chlordane-3

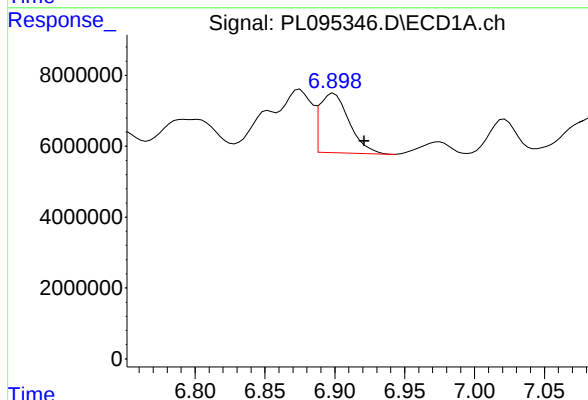
R.T.: 0.000 min
Exp R.T.: 5.996 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



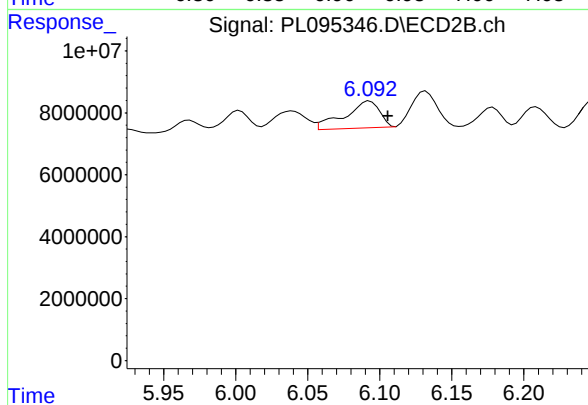
#25 Chlordane-3

R.T.: 5.164 min
Delta R.T.: 0.019 min
Response: 12806257
Conc: 24.79 ng/ml



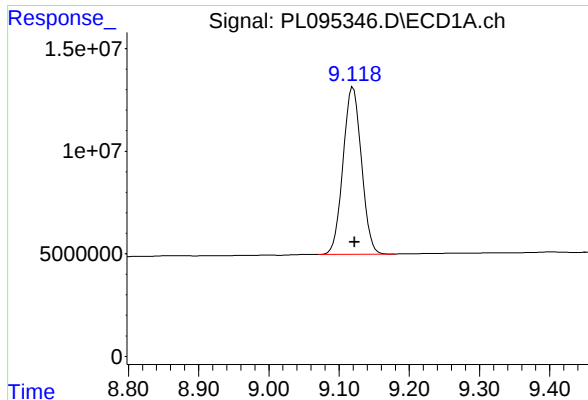
#27 Chlordane-5

R.T.: 6.899 min
Delta R.T.: -0.022 min
Response: 24624356
Conc: 162.44 ng/ml



#27 Chlordane-5

R.T.: 6.093 min
Delta R.T.: -0.013 min
Response: 14589555
Conc: 78.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.120 min

Delta R.T.: -0.002 min

Response: 148213287

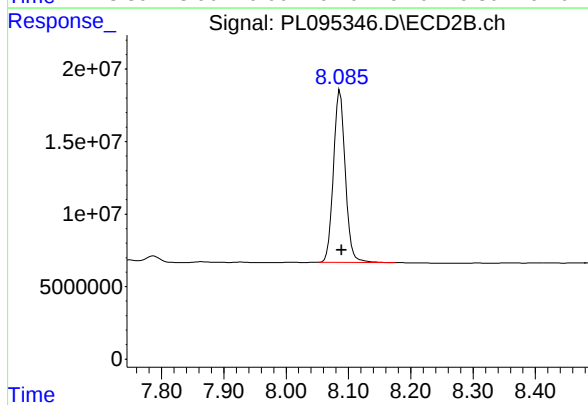
Conc: 53.49 ng/ml

Instrument :

ECD_L

ClientSampleId :

ICVPL042325TOX



#28 Decachlorobiphenyl

R.T.: 8.086 min

Delta R.T.: -0.003 min

Response: 156448060

Conc: 52.87 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 16:01 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
Aldrin	5.31	5.32	5.22	5.42	0.01
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
4,4'-DDT	7.06	7.07	6.97	7.17	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

Continuing Calib Date: 04/28/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:01 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL01 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095440.D Time Analyzed: 16:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.748	6.653	6.853	58.710	50.000	17.4
4,4'-DDE	6.239	6.143	6.343	56.090	50.000	12.2
4,4'-DDT	7.064	6.969	7.169	55.970	50.000	11.9
Aldrin	5.314	5.218	5.418	52.060	50.000	4.1
Decachlorobiphenyl	9.116	9.022	9.222	55.670	50.000	11.3
Dieldrin	6.391	6.296	6.496	54.260	50.000	8.5
Tetrachloro-m-xylene	3.593	3.495	3.695	51.230	50.000	2.5



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CALIBRATION VERIFICATION SUMMARY
Contract: POWE02
Lab Code: CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025
Client Sample No.: CCAL01 **Date Analyzed:** 04/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095440.D **Time Analyzed:** 16:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.944	5.849	6.049	50.710	50.000	1.4
4,4'-DDE	5.392	5.297	5.497	47.450	50.000	-5.1
4,4'-DDT	6.198	6.104	6.304	42.540	50.000	-14.9
Aldrin	4.386	4.290	4.490	49.990	50.000	0.0
Decachlorobiphenyl	8.083	7.989	8.189	54.680	50.000	9.4
Dieldrin	5.527	5.432	5.632	48.720	50.000	-2.6
Tetrachloro-m-xylene	2.904	2.806	3.006	50.270	50.000	0.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095440.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:01
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.904	167.3E6	159.8E6	51.234	50.269
28) SA Decachlor...	9.116	8.083	154.3E6	161.8E6	55.674	54.678
Target Compounds						
2) A alpha-BHC	4.044	3.414	257.1E6	232.3E6	51.895	52.209
3) MA gamma-BHC...	4.375	3.747	243.7E6	223.0E6	51.469	50.705
4) MA Heptachlor	4.972	4.101	235.2E6	215.4E6	51.415	49.436
5) MB Aldrin	5.314	4.386	239.1E6	205.7E6	52.062	49.991
6) B beta-BHC	4.560	4.040	104.8E6	102.1E6	50.683	49.198
7) B delta-BHC	4.808	4.277	240.0E6	223.5E6	51.614m	50.996
8) B Heptachlo...	5.735	4.889	215.0E6	191.0E6	53.673	49.436
9) A Endosulfan I	6.118	5.262	205.5E6	183.9E6	54.126	50.236
10) B gamma-Chl...	5.989	5.140	220.5E6	197.0E6	54.052	48.611m
11) B alpha-Chl...	6.070	5.206	226.5E6	197.8E6	55.700	49.673
12) B 4,4'-DDE	6.239	5.392	219.9E6	193.0E6	56.088	47.455
13) MA Dieldrin	6.391	5.527	209.2E6	198.2E6	54.261	48.724
14) MA Endrin	6.619	5.802	166.9E6	155.7E6	52.421	42.778
15) B Endosulfa...	6.831	6.092	186.9E6	178.7E6	58.563	49.756
16) A 4,4'-DDD	6.748	5.944	166.2E6	165.7E6	58.711	50.708
17) MA 4,4'-DDT	7.064	6.198	159.4E6	146.2E6	55.966	42.538
18) B Endrin al...	6.960	6.270	132.7E6	134.5E6	57.199	51.464
19) B Endosulfa...	7.191	6.493	157.5E6	173.0E6	56.201m	52.133
20) A Methoxychlor	7.535	6.768	73516314	88053321	52.695	46.163
21) B Endrin ke...	7.674	6.999	169.3E6	199.6E6	59.372	56.679
22) Mirex	8.155	7.194	132.3E6	152.3E6	55.691	52.851m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

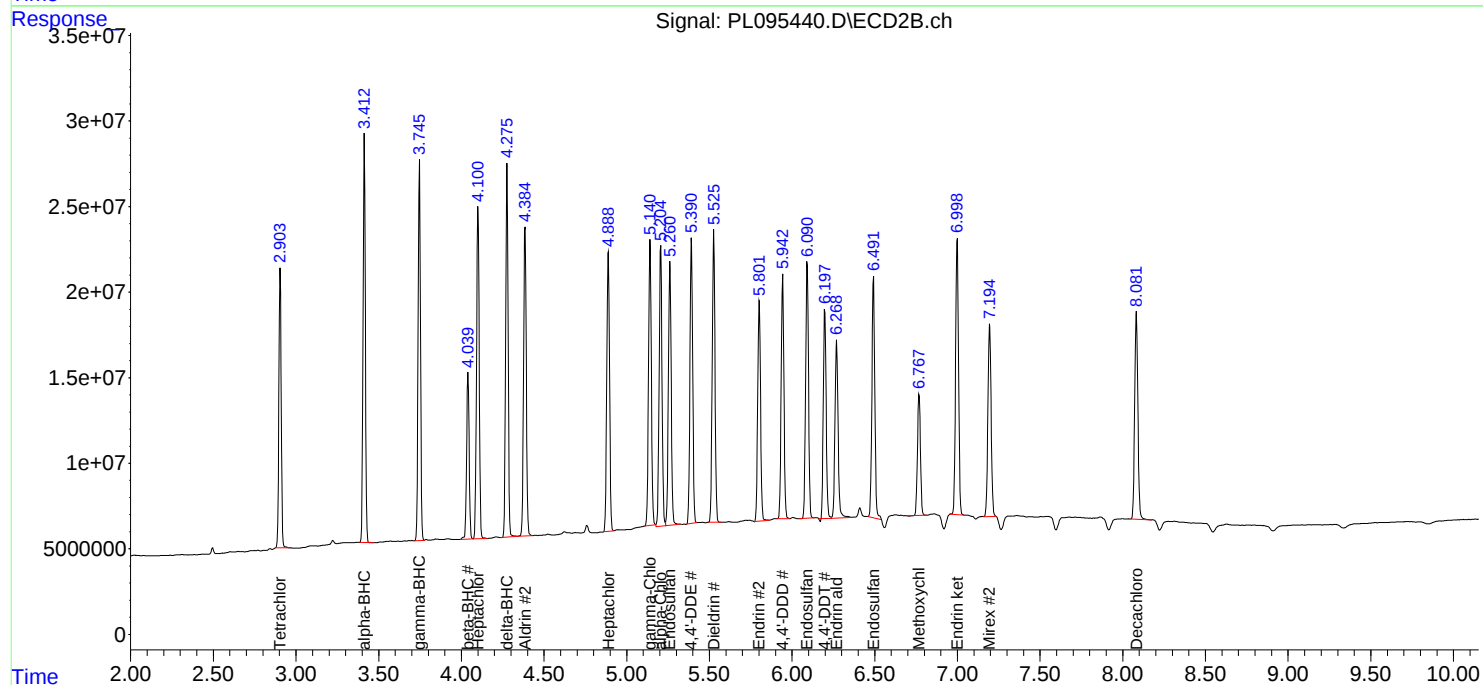
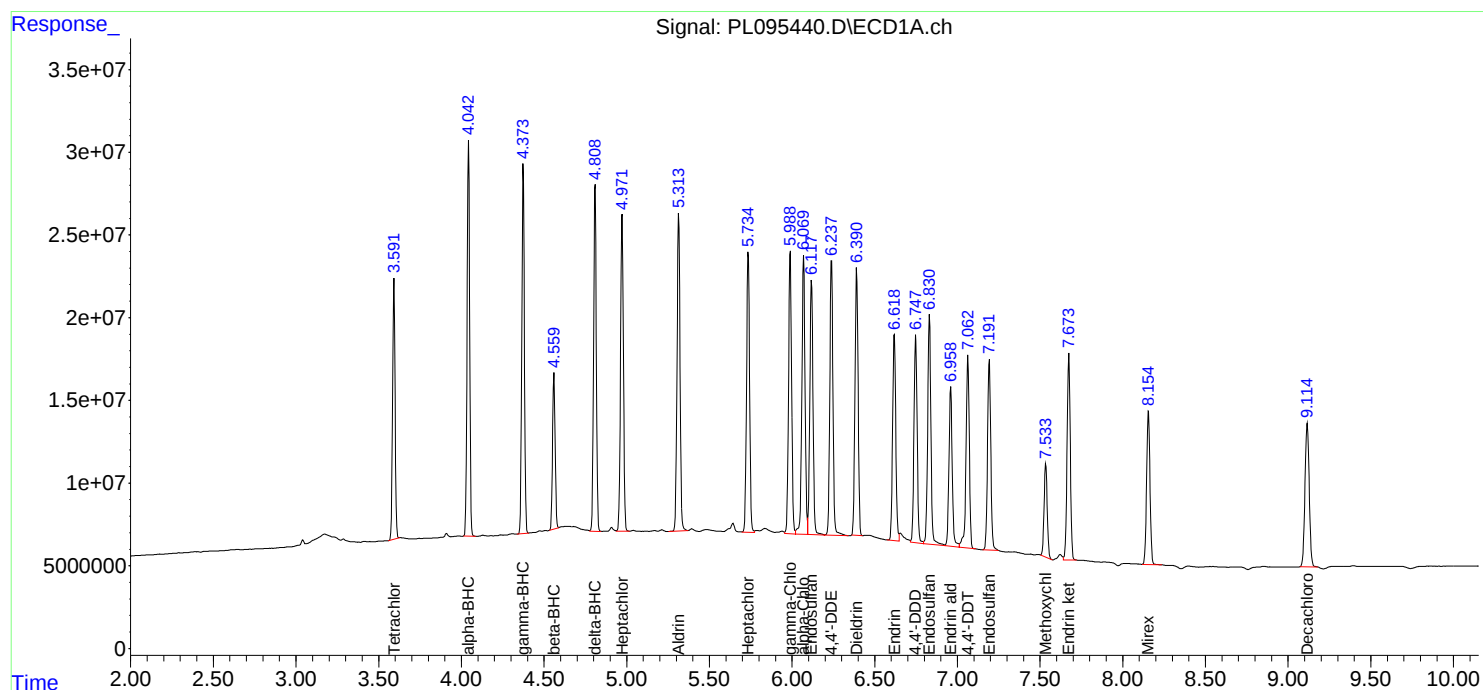
APPROVED

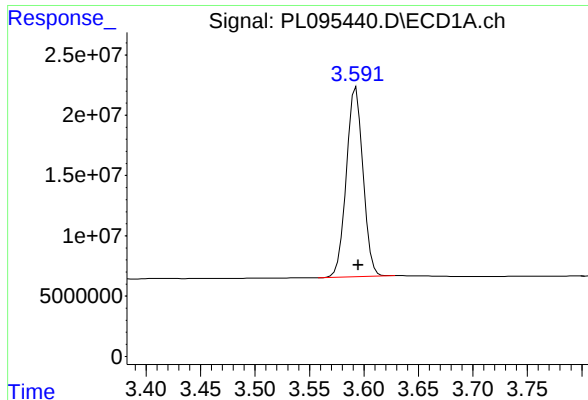
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





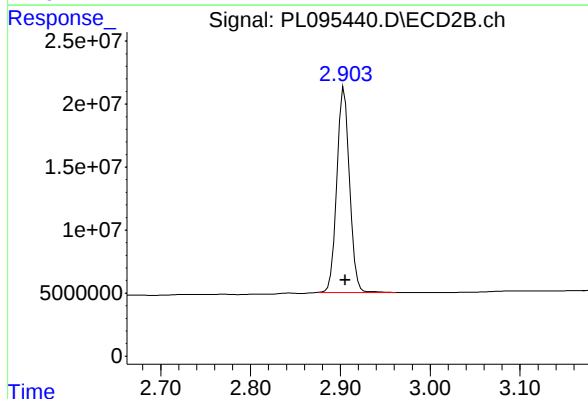
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 167262219
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

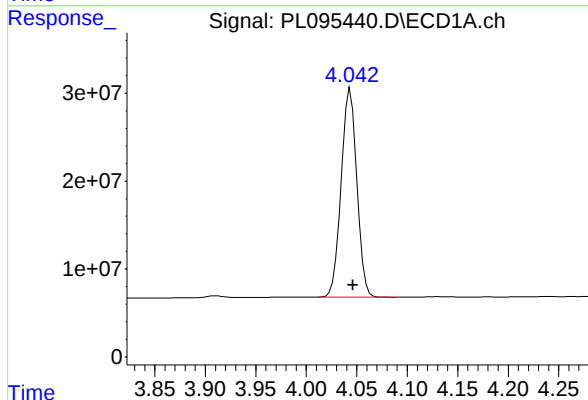
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



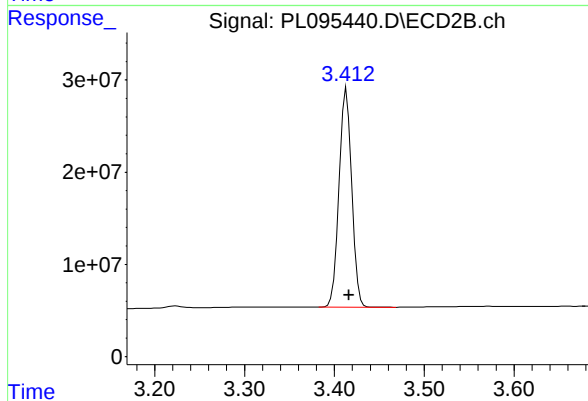
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 159843978
Conc: 50.27 ng/ml



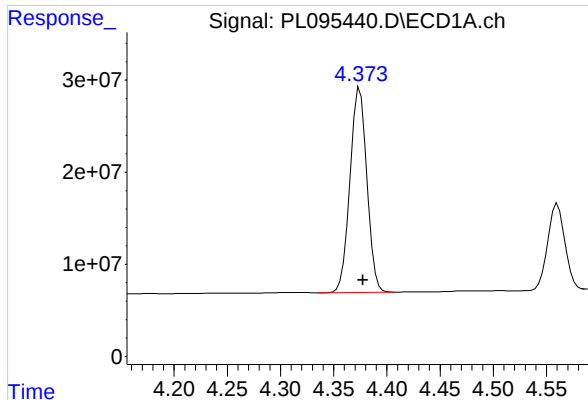
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257072845
Conc: 51.89 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 232264928
Conc: 52.21 ng/ml



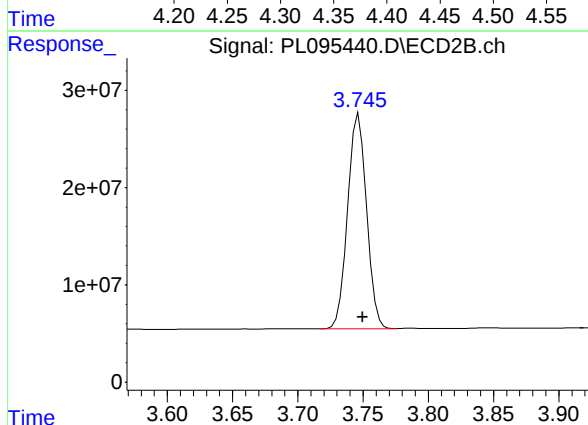
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 243652188
Conc: 51.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

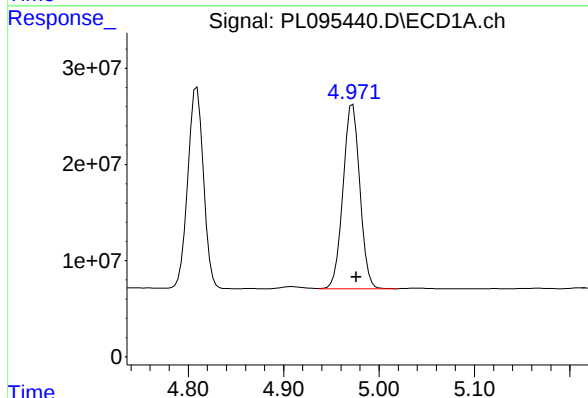
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025



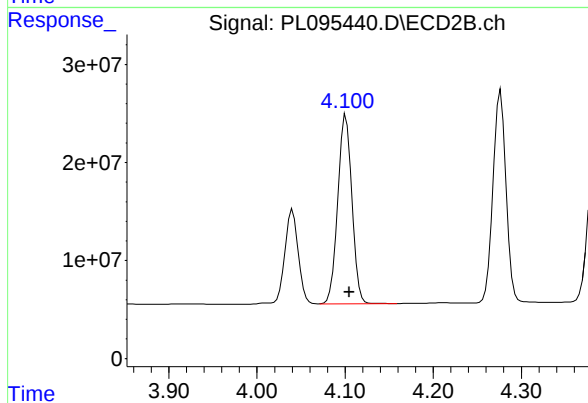
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 223013873
Conc: 50.71 ng/ml



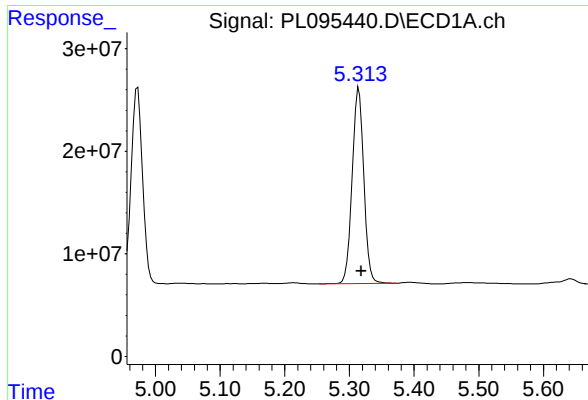
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 235195258
Conc: 51.41 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.003 min
Response: 215375667
Conc: 49.44 ng/ml



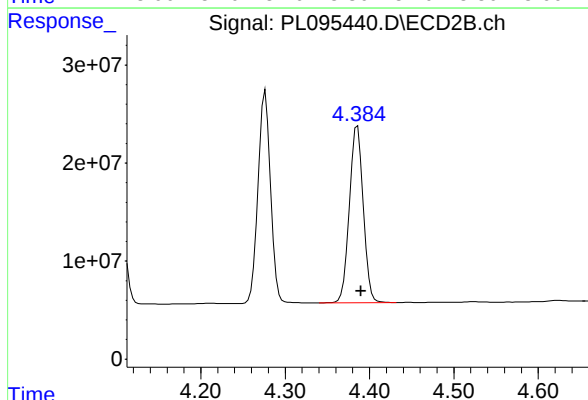
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239123618
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

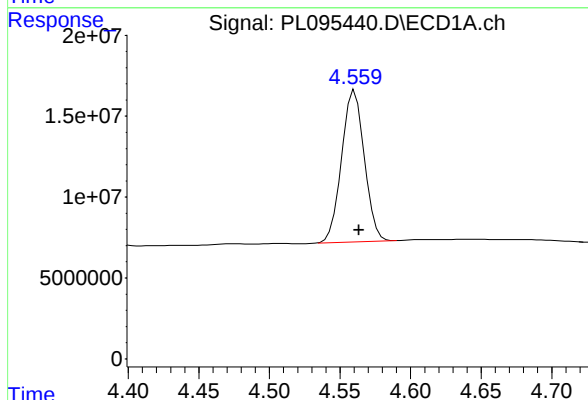
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



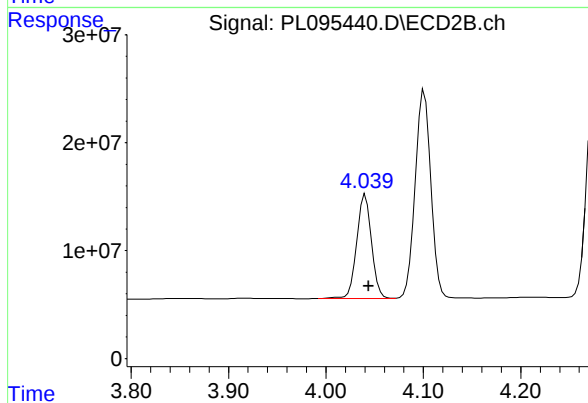
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 205747698
Conc: 49.99 ng/ml



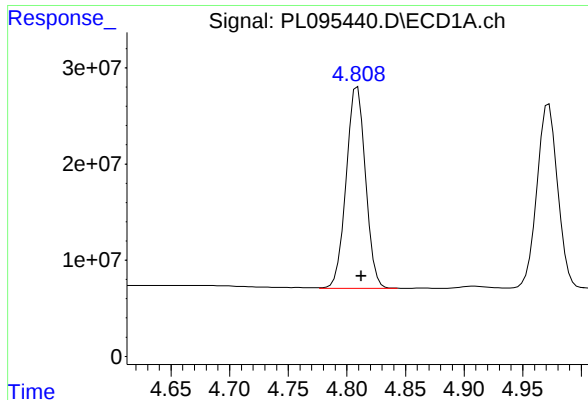
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 104788017
Conc: 50.68 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.003 min
Response: 102128920
Conc: 49.20 ng/ml



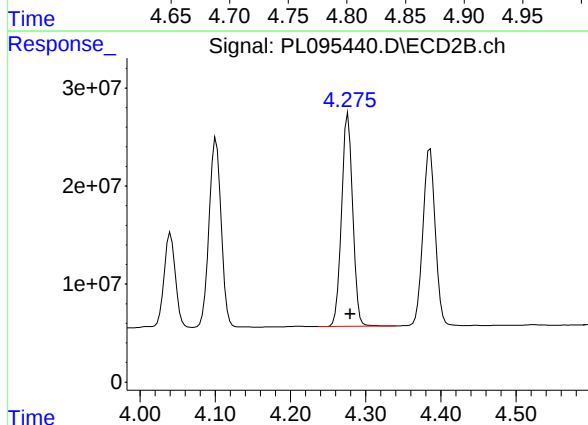
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.005 min
Response: 240041813
Conc: 51.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

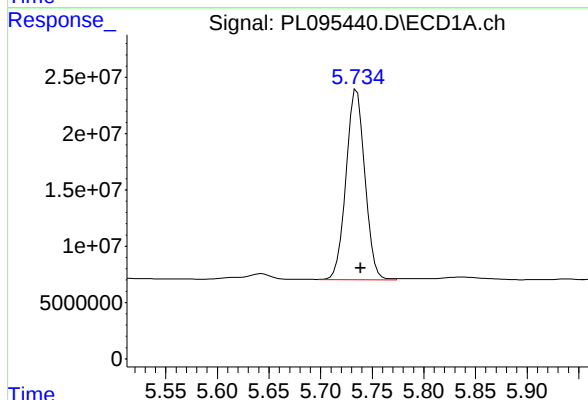
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



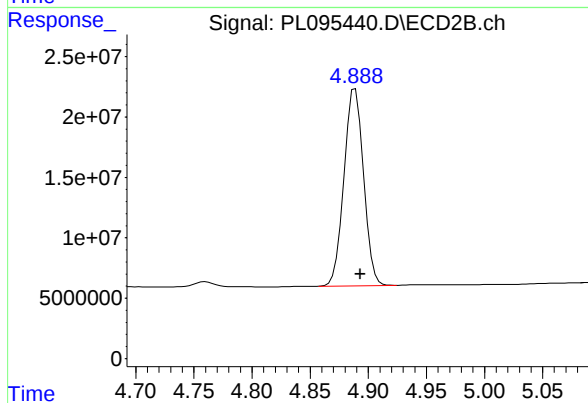
#7 delta-BHC

R.T.: 4.277 min
Delta R.T.: -0.003 min
Response: 223463127
Conc: 51.00 ng/ml



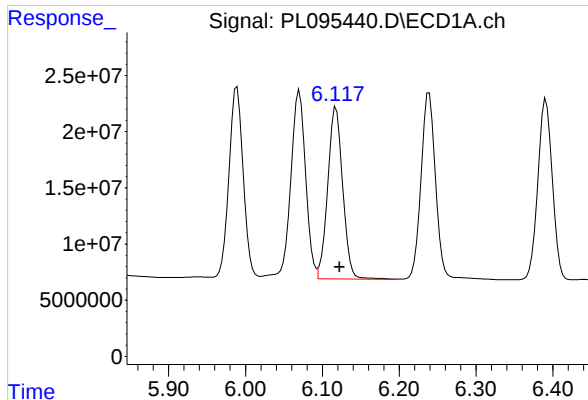
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214968820
Conc: 53.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.889 min
Delta R.T.: -0.004 min
Response: 190953783
Conc: 49.44 ng/ml



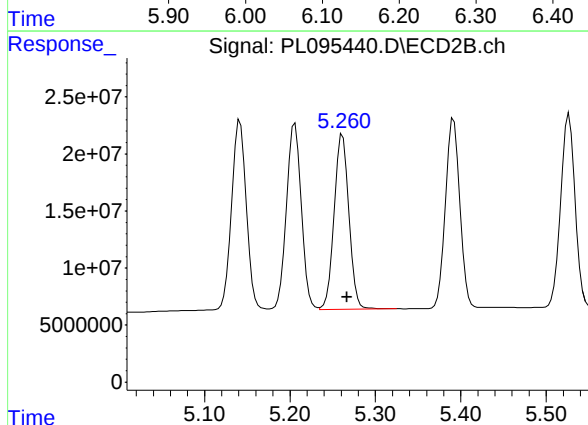
#9 Endosulfan I

R.T.: 6.118 min
Delta R.T.: -0.004 min
Response: 205545727
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

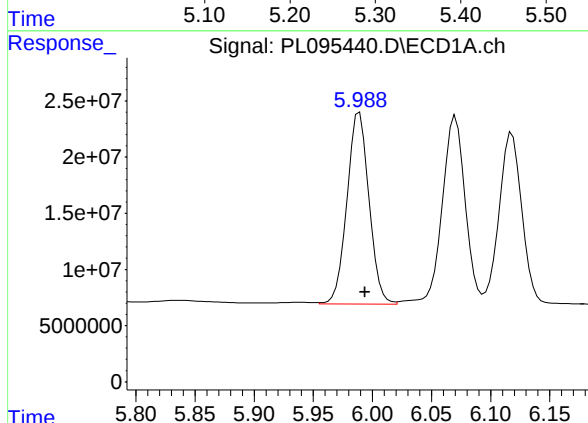
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025



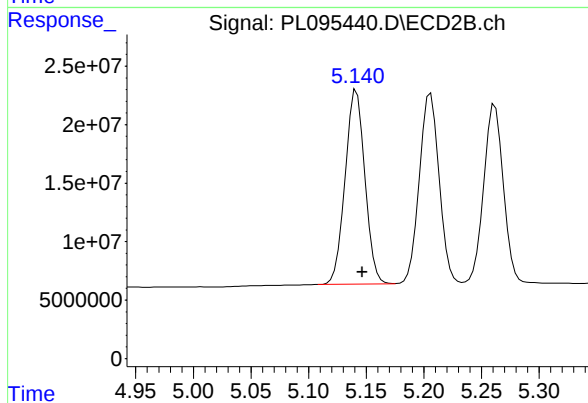
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 183883855
Conc: 50.24 ng/ml



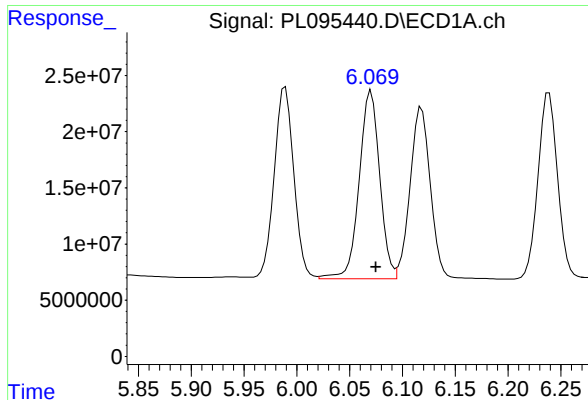
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.004 min
Response: 220495708
Conc: 54.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.140 min
Delta R.T.: -0.007 min
Response: 197005514
Conc: 48.61 ng/ml m



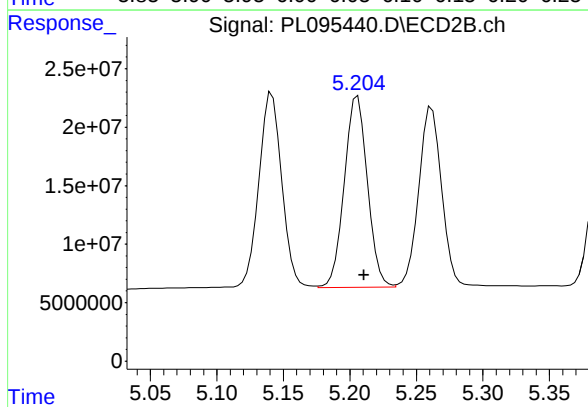
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 226480961
Conc: 55.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

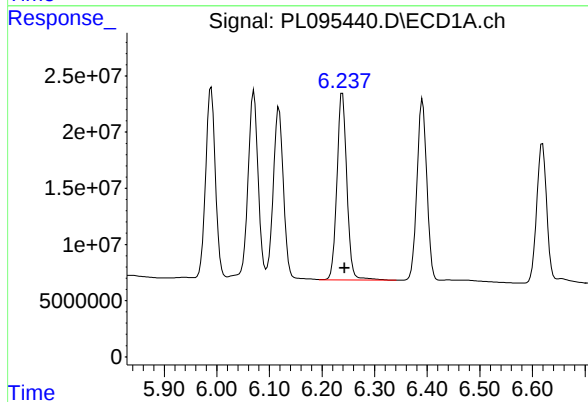
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



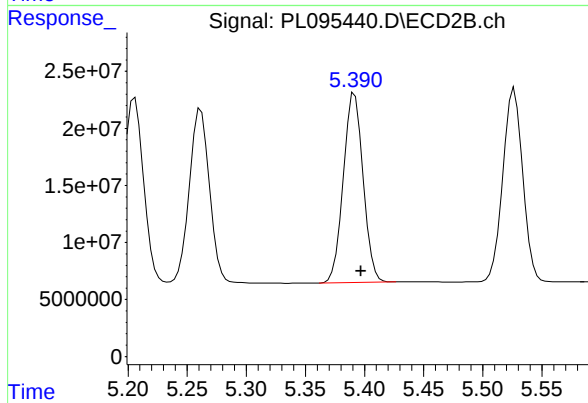
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 197750673
Conc: 49.67 ng/ml



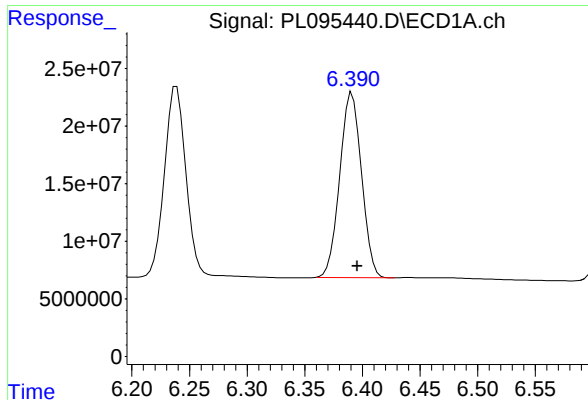
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 219897725
Conc: 56.09 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 192997790
Conc: 47.45 ng/ml



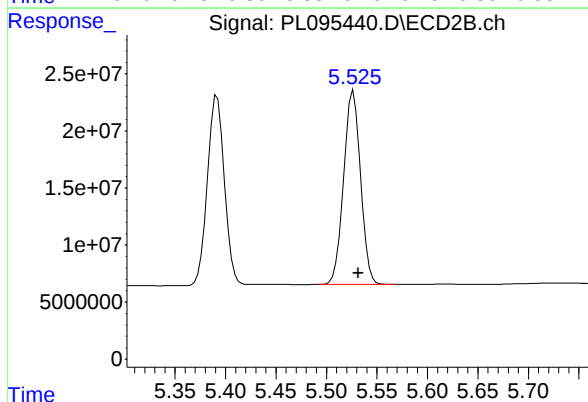
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 209166326
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

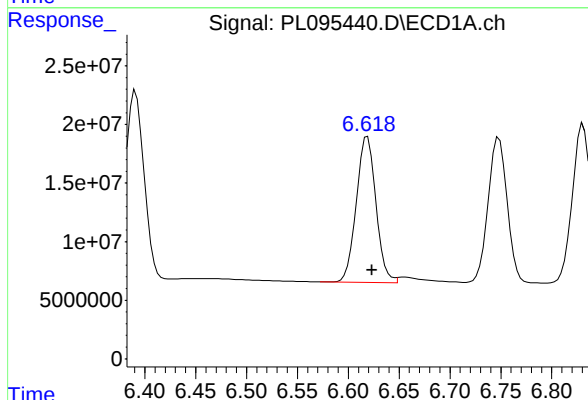
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



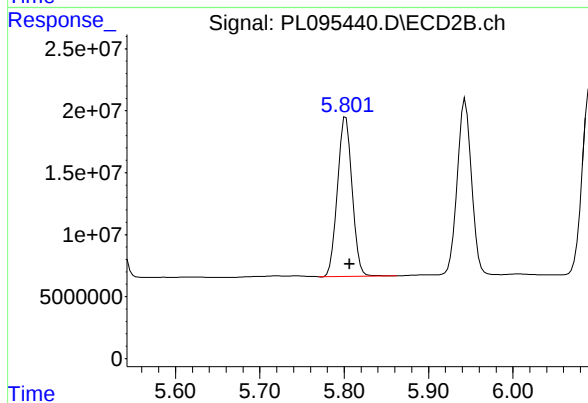
#13 Dieldrin

R.T.: 5.527 min
Delta R.T.: -0.005 min
Response: 198164030
Conc: 48.72 ng/ml



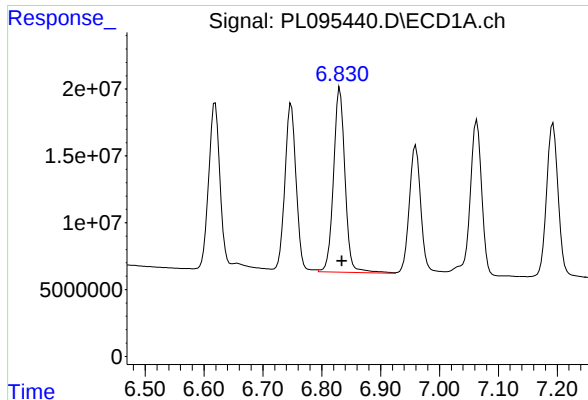
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166947576
Conc: 52.42 ng/ml



#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 155741444
Conc: 42.78 ng/ml



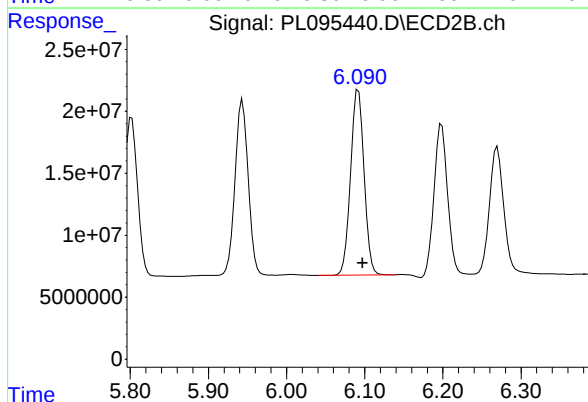
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 186940626
Conc: 58.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

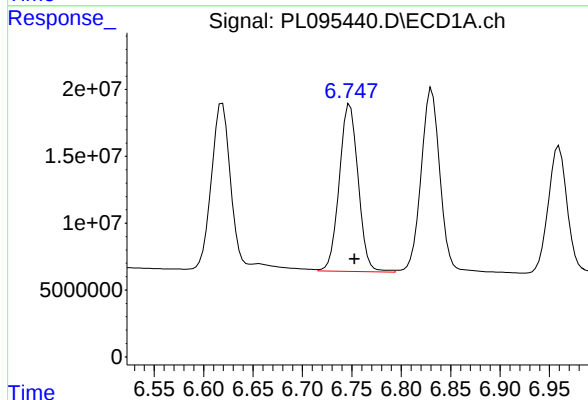
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



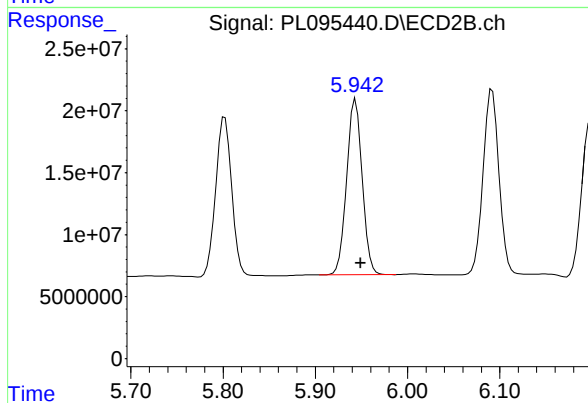
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.005 min
Response: 178680070
Conc: 49.76 ng/ml



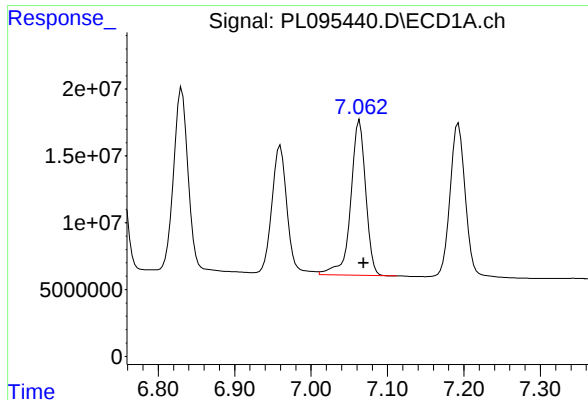
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166208955
Conc: 58.71 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 165652788
Conc: 50.71 ng/ml



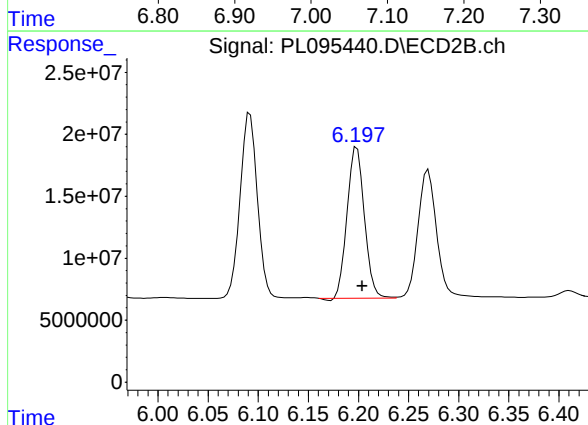
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159422273
Conc: 55.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

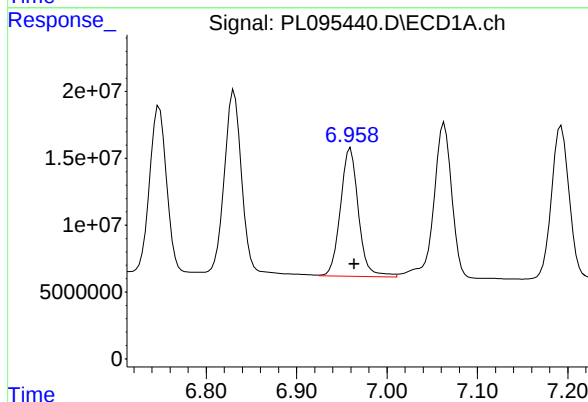
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025



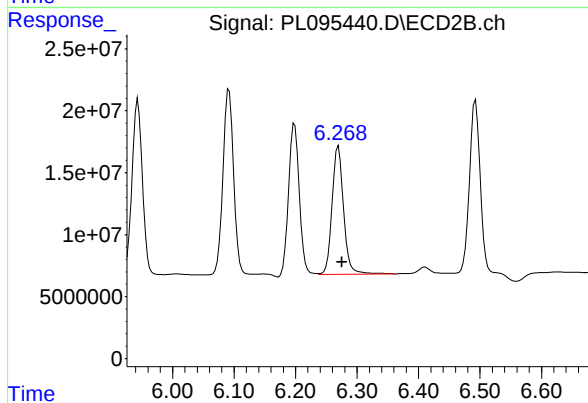
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 146167973
Conc: 42.54 ng/ml



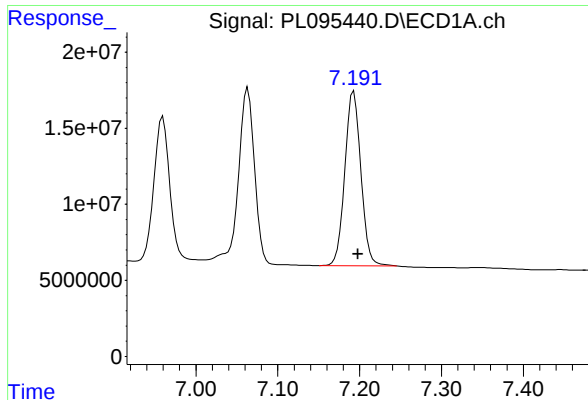
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 132747755
Conc: 57.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 134483009
Conc: 51.46 ng/ml



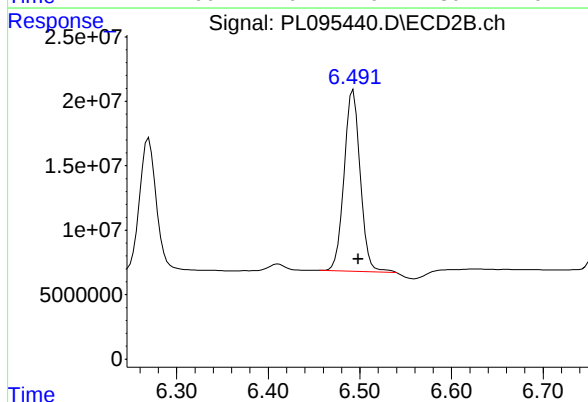
#19 Endosulfan Sulfate

R.T.: 7.191 min
Delta R.T.: -0.007 min
Response: 157462880
Conc: 56.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

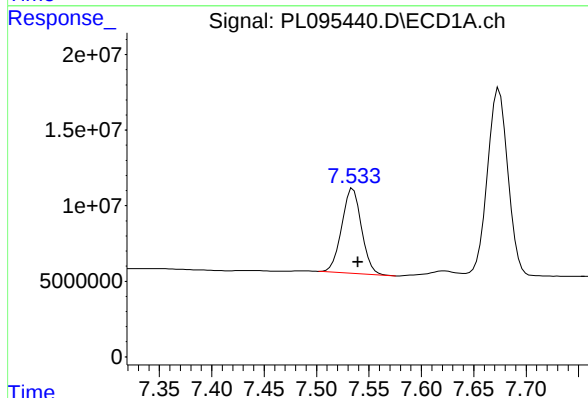
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



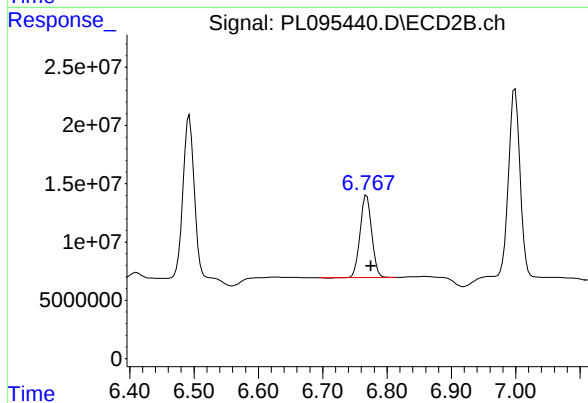
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 172972314
Conc: 52.13 ng/ml



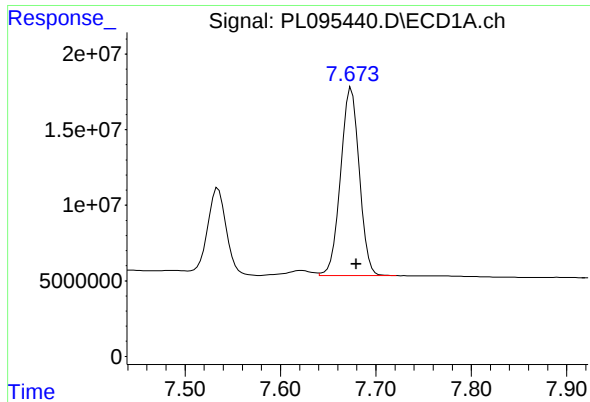
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 73516314
Conc: 52.69 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 88053321
Conc: 46.16 ng/ml



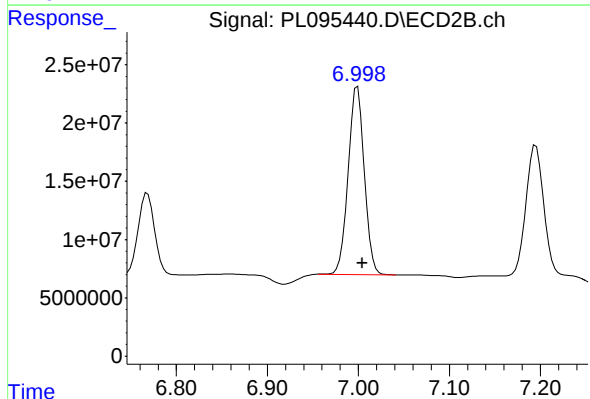
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 169263018
Conc: 59.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

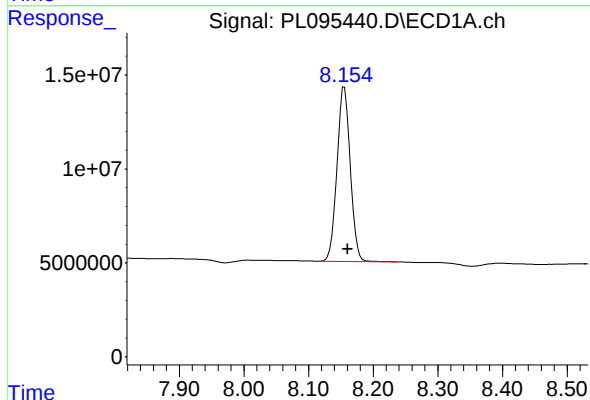
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



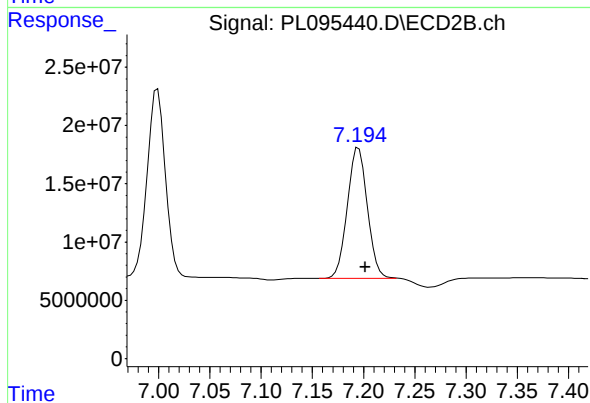
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.005 min
Response: 199582150
Conc: 56.68 ng/ml



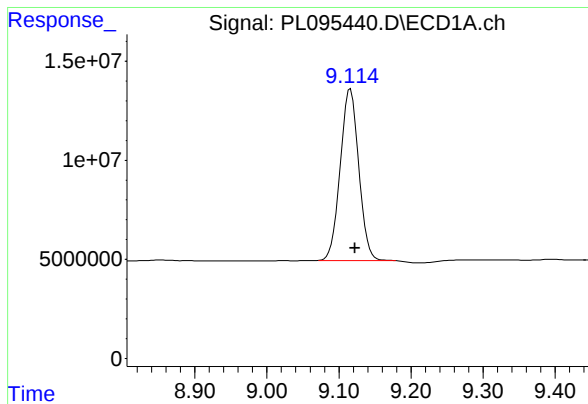
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 132324817
Conc: 55.69 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 152337636
Conc: 52.85 ng/ml m



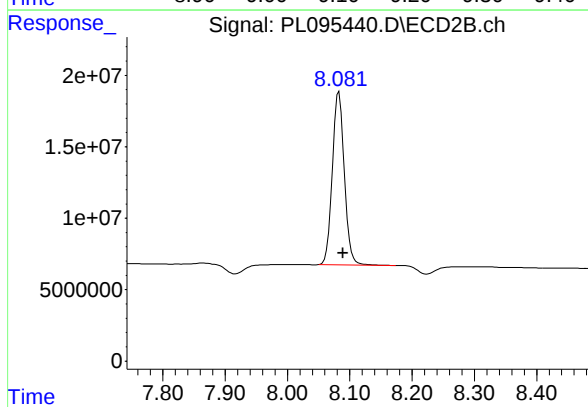
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 154263194
Conc: 55.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 161807409
Conc: 54.68 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.12	9.02	9.22	0.01
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
Aldrin	5.31	5.32	5.22	5.42	0.01
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
4,4'-DDT	7.06	7.07	6.97	7.17	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00



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

CALIBRATION VERIFICATION SUMMARY
Contract: POWE02
Lab Code: CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025
Client Sample No.: CCAL02 **Date Analyzed:** 04/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095451.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.748	6.653	6.853	58.810	50.000	17.6
4,4'-DDE	6.238	6.143	6.343	54.780	50.000	9.6
4,4'-DDT	7.063	6.969	7.169	54.390	50.000	8.8
Aldrin	5.314	5.218	5.418	53.180	50.000	6.4
Decachlorobiphenyl	9.114	9.022	9.222	54.790	50.000	9.6
Dieldrin	6.391	6.296	6.496	55.290	50.000	10.6
Tetrachloro-m-xylene	3.592	3.495	3.695	52.860	50.000	5.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL02 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095451.D Time Analyzed: 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.943	5.849	6.049	55.510	50.000	11.0
4,4'-DDE	5.391	5.297	5.497	53.150	50.000	6.3
4,4'-DDT	6.197	6.104	6.304	51.870	50.000	3.7
Aldrin	4.386	4.290	4.490	54.570	50.000	9.1
Decachlorobiphenyl	8.082	7.989	8.189	56.620	50.000	13.2
Dieldrin	5.526	5.432	5.632	53.280	50.000	6.6
Tetrachloro-m-xylene	2.904	2.806	3.006	54.290	50.000	8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095451.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 18:58
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:36:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.592	2.904	172.6E6	172.6E6	52.859	54.288
28)	SA Decachlor...	9.114	8.082	151.8E6	167.5E6	54.790	56.619
Target Compounds							
2)	A alpha-BHC	4.043	3.414	264.3E6	253.5E6	53.358	56.988
3)	MA gamma-BHC...	4.373	3.747	251.0E6	243.6E6	53.023m	55.392
4)	MA Heptachlor	4.972	4.101	238.1E6	231.3E6	52.042	53.082
5)	MB Aldrin	5.314	4.386	244.2E6	224.6E6	53.177	54.565
6)	B beta-BHC	4.560	4.040	107.7E6	111.1E6	52.085	53.537
7)	B delta-BHC	4.807	4.276	245.7E6	242.7E6	52.822m	55.377
8)	B Heptachlo...	5.735	4.888	216.9E6	208.2E6	54.167	53.897
9)	A Endosulfan I	6.117	5.261	207.4E6	198.2E6	54.611	54.141
10)	B gamma-Chl...	5.989	5.141	224.0E6	217.3E6	54.922	53.626
11)	B alpha-Chl...	6.070	5.205	222.7E6	214.3E6	54.771	53.825
12)	B 4,4'-DDE	6.238	5.391	214.8E6	216.2E6	54.779	53.153
13)	MA Dieldrin	6.391	5.526	213.1E6	216.7E6	55.288	53.277
14)	MA Endrin	6.618	5.801	169.3E6	181.8E6	53.148	49.941
15)	B Endosulfa...	6.830	6.091	182.0E6	194.3E6	57.016	54.107
16)	A 4,4'-DDD	6.748	5.943	166.5E6	181.3E6	58.812	55.510
17)	MA 4,4'-DDT	7.063	6.197	154.9E6	178.2E6	54.389	51.873
18)	B Endrin al...	6.959	6.269	130.2E6	142.0E6	56.110	54.358
19)	B Endosulfa...	7.193	6.492	155.7E6	179.8E6	55.555	54.197
20)	A Methoxychlor	7.534	6.767	72562078	96009994	52.011	50.335m
21)	B Endrin ke...	7.674	6.997	165.6E6	210.9E6	58.092	59.902m
22)	Mirex	8.155	7.193	131.4E6	162.0E6	55.285	56.187m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

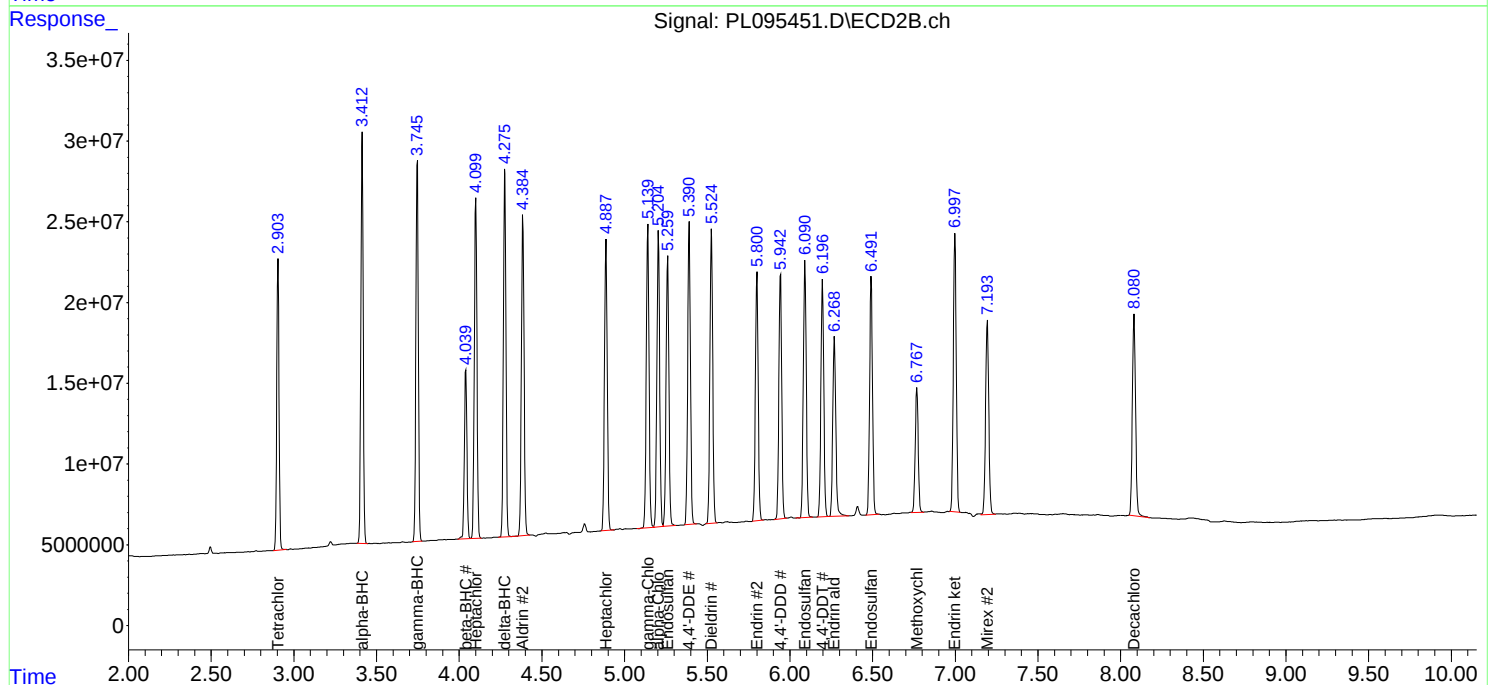
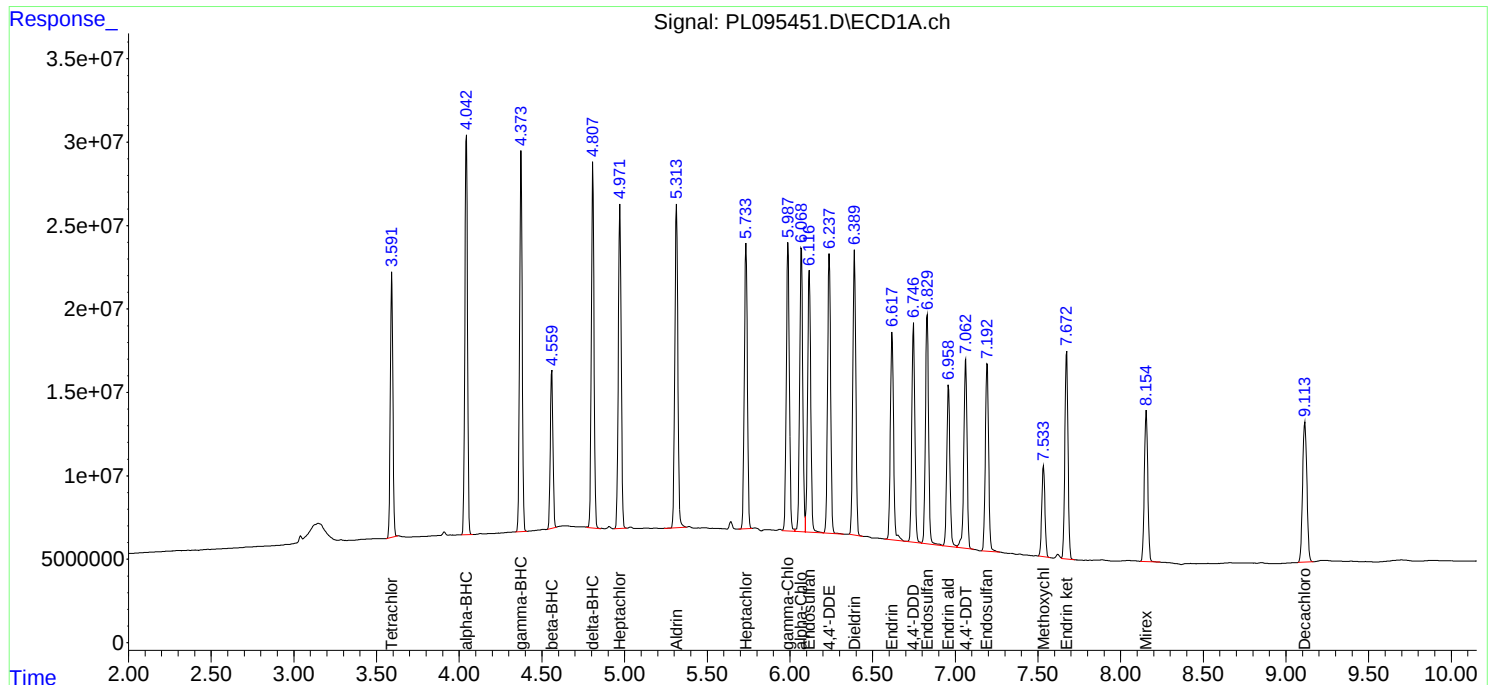
APPROVED

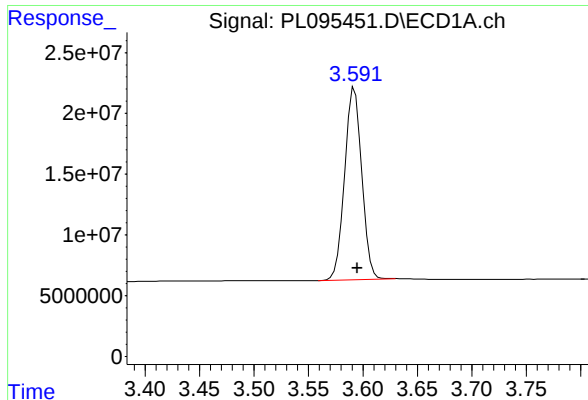
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





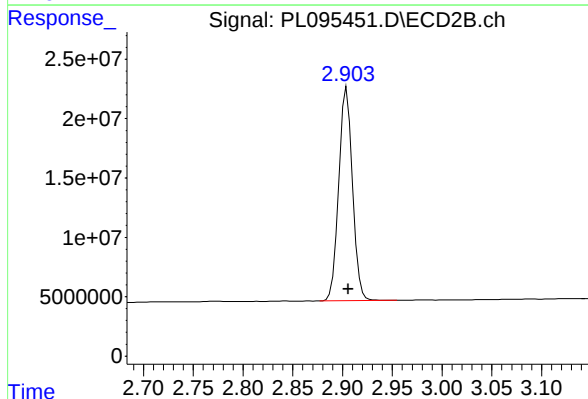
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 172565826
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

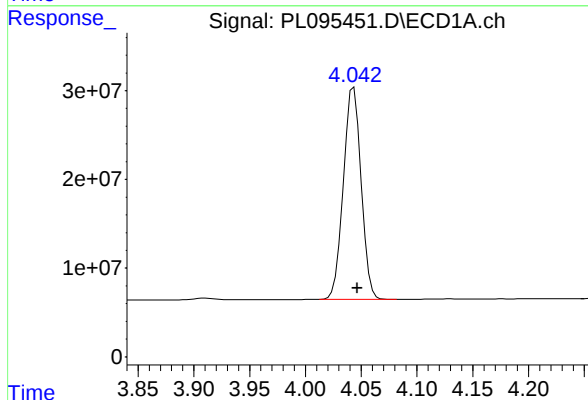
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



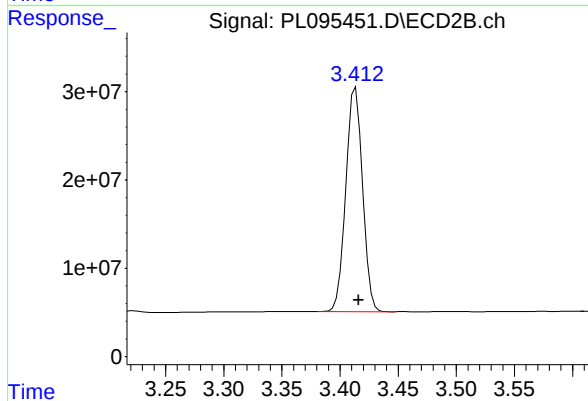
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 172620852
Conc: 54.29 ng/ml



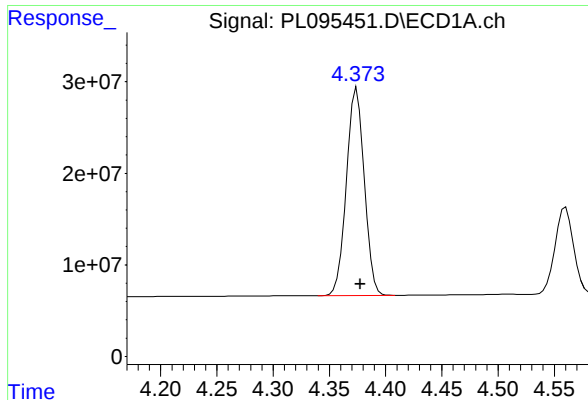
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 264320892
Conc: 53.36 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 253523716
Conc: 56.99 ng/ml



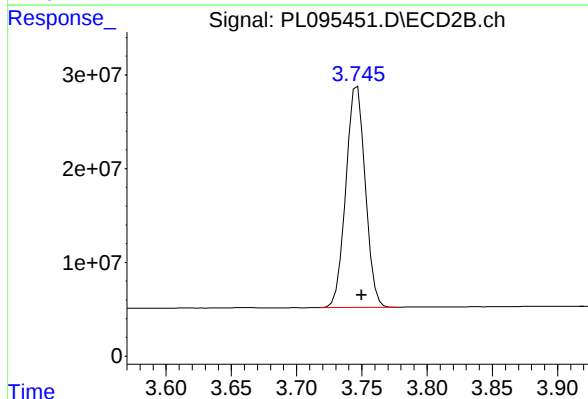
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 251007333
Conc: 53.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

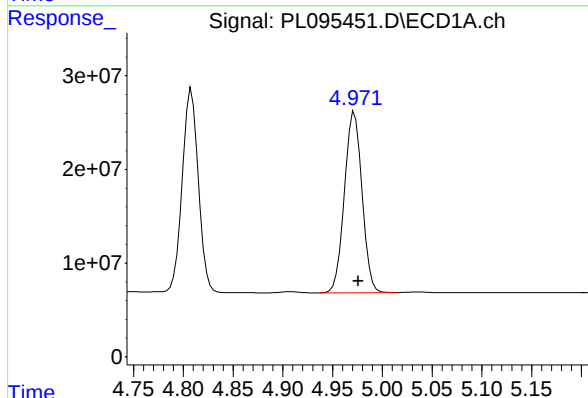
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



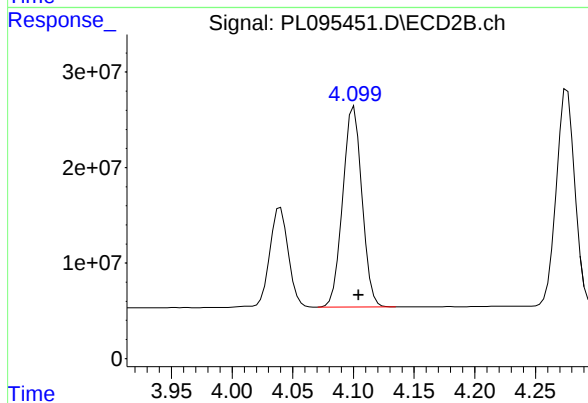
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 243628224
Conc: 55.39 ng/ml



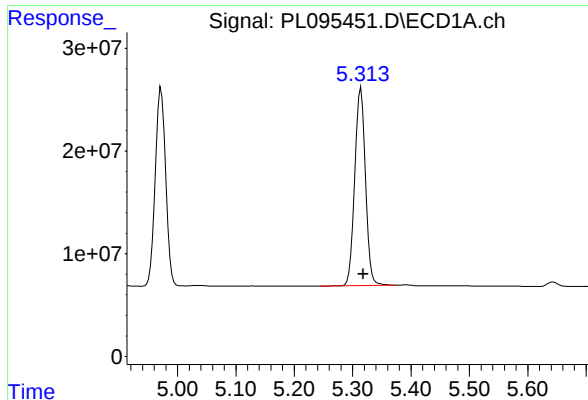
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 238064984
Conc: 52.04 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 231262867
Conc: 53.08 ng/ml



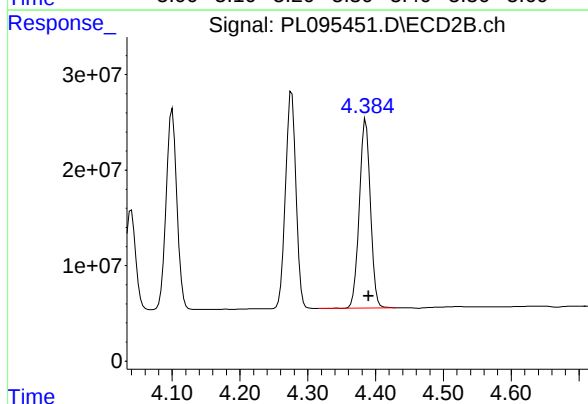
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 244242332
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

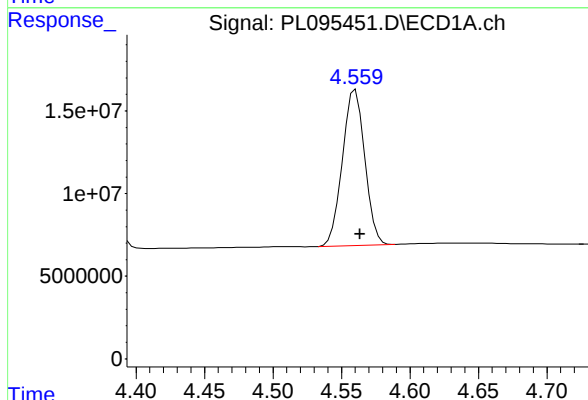
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



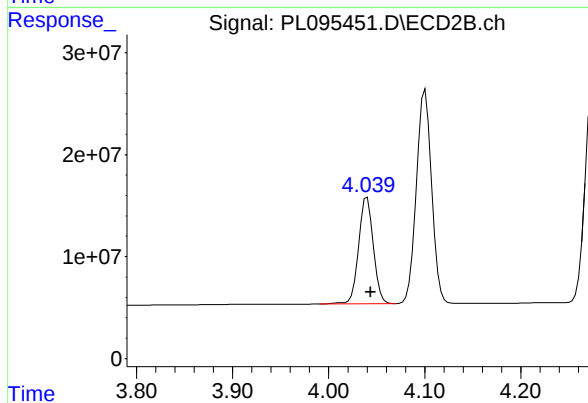
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 224573916
Conc: 54.57 ng/ml



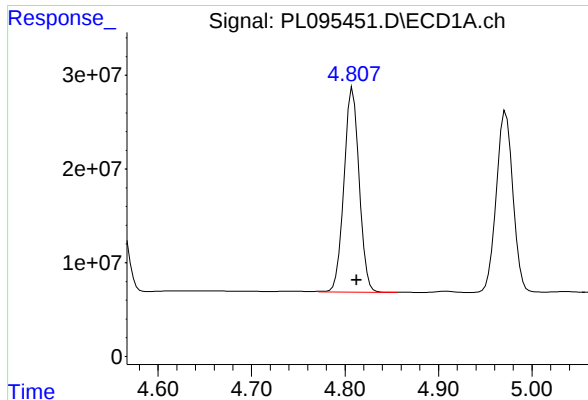
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 107685963
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 111135903
Conc: 53.54 ng/ml



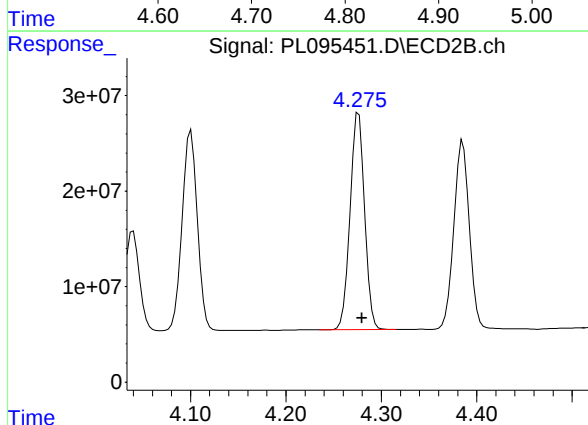
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.006 min
Response: 245660591
Conc: 52.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

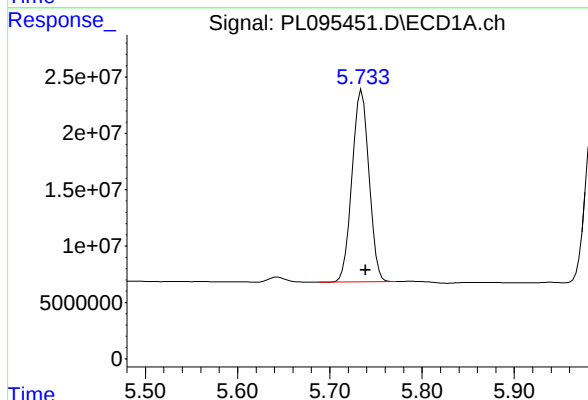
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



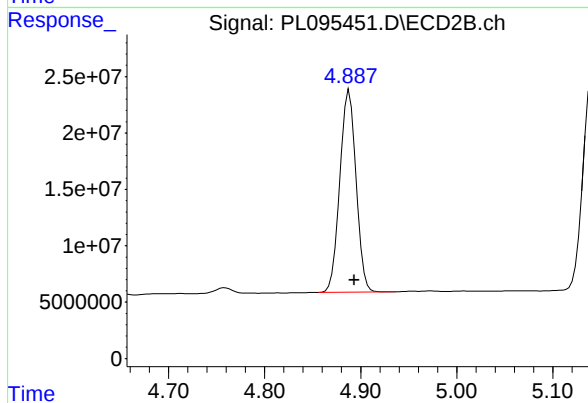
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 242661100
Conc: 55.38 ng/ml



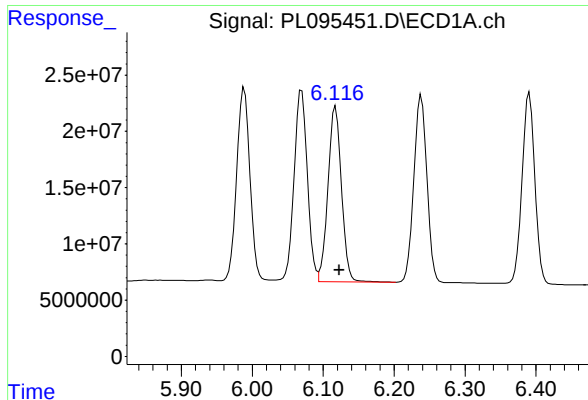
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 216945339
Conc: 54.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 208185381
Conc: 53.90 ng/ml



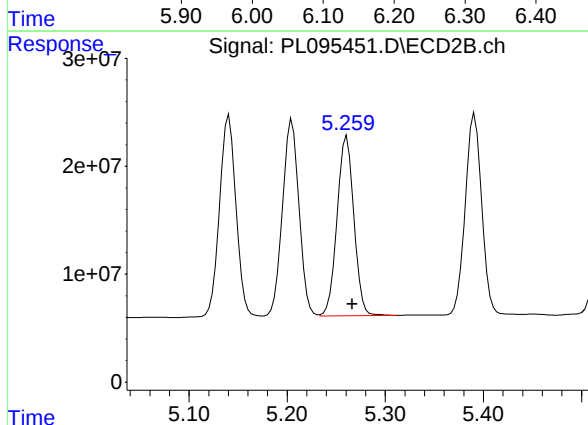
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 207386575
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

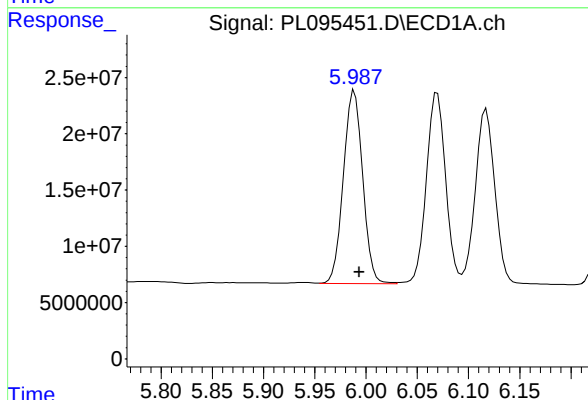
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



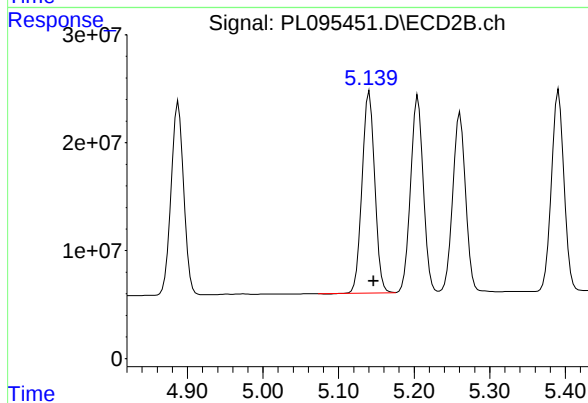
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 198179761
Conc: 54.14 ng/ml



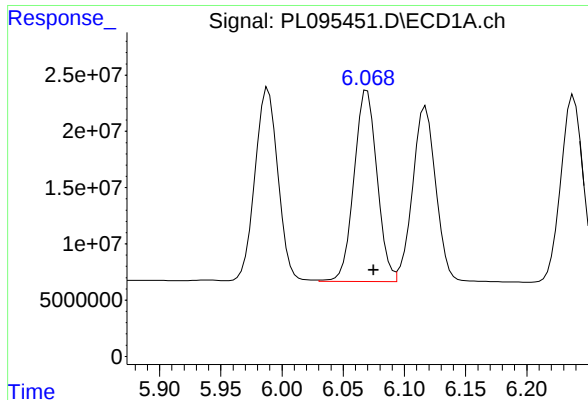
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 224047344
Conc: 54.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 217329585
Conc: 53.63 ng/ml



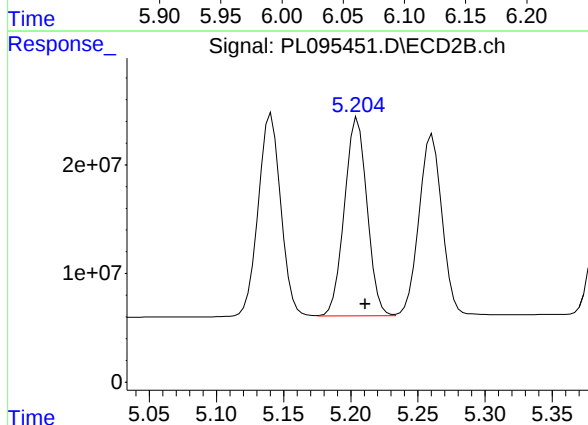
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 222705903
Conc: 54.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

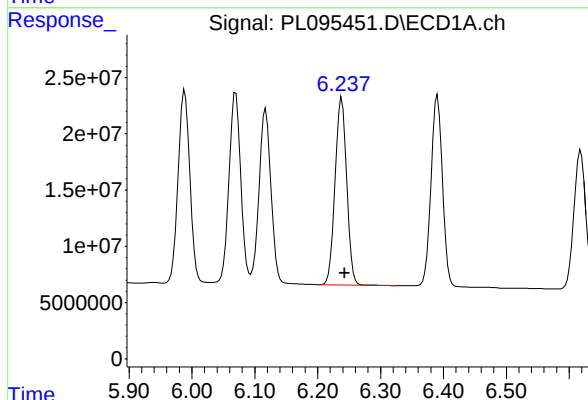
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



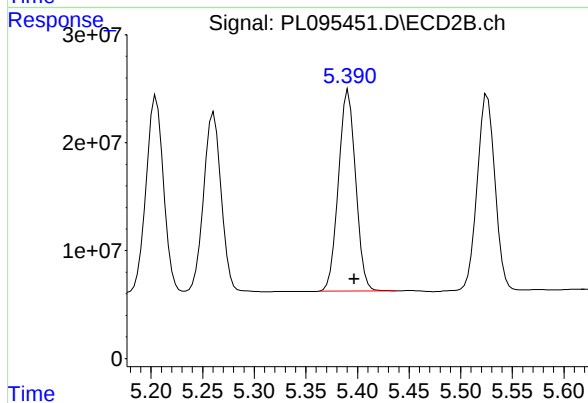
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.006 min
Response: 214280820
Conc: 53.83 ng/ml



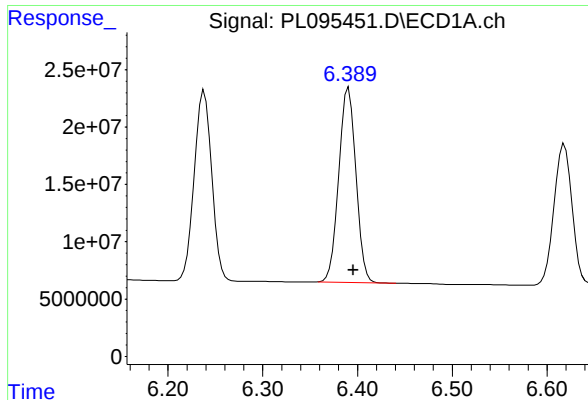
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 214763519
Conc: 54.78 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 216173386
Conc: 53.15 ng/ml



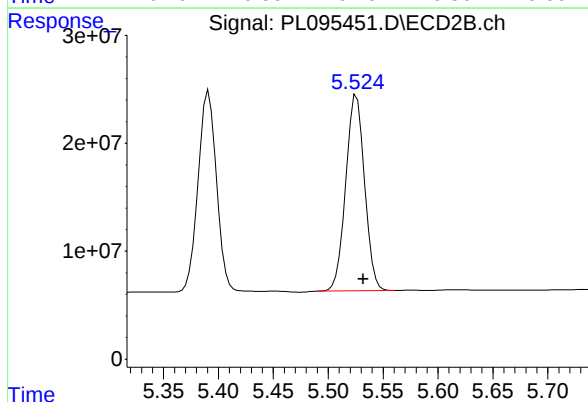
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 213126675
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

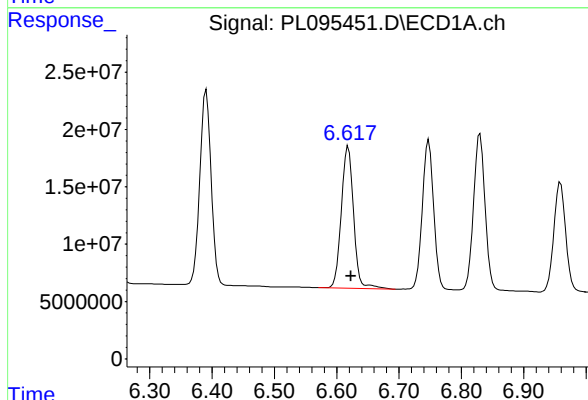
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



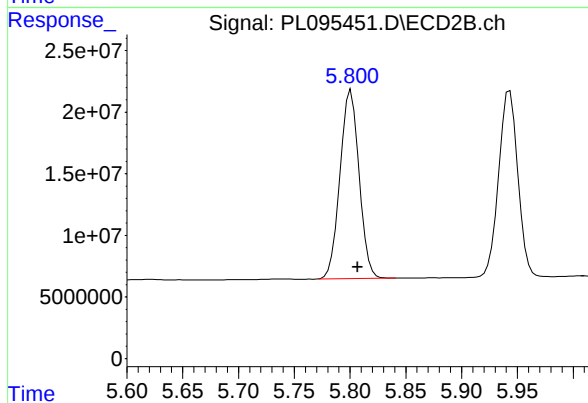
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 216681513
Conc: 53.28 ng/ml



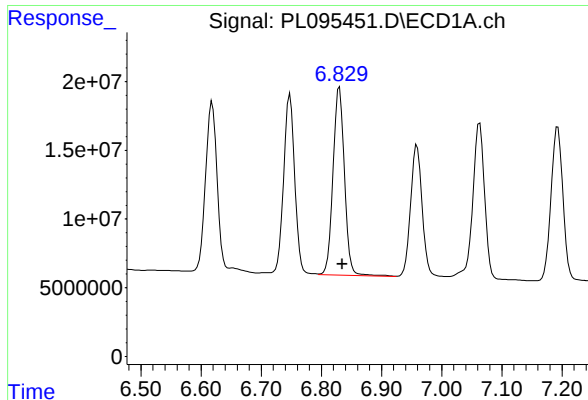
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 169264300
Conc: 53.15 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 181821231
Conc: 49.94 ng/ml



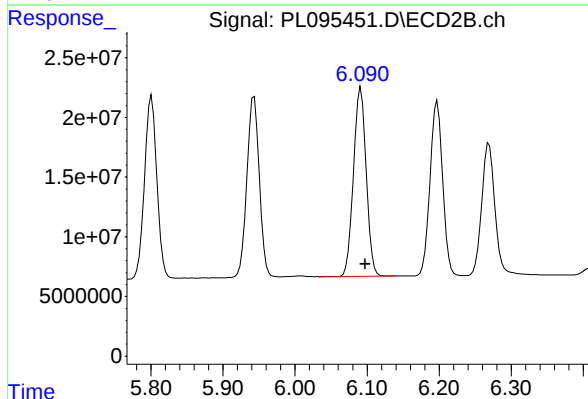
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 182005014
Conc: 57.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

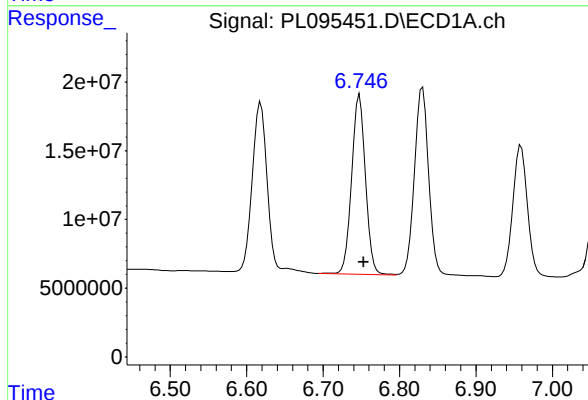
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



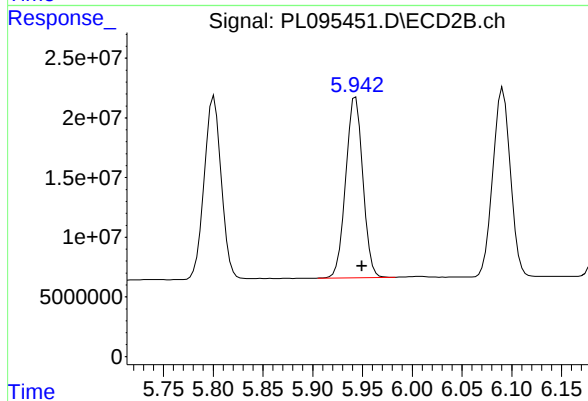
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 194304216
Conc: 54.11 ng/ml



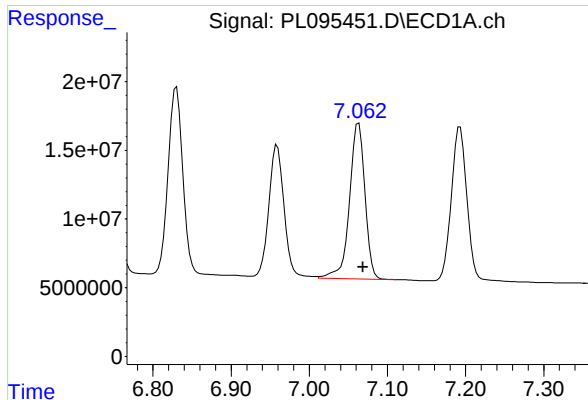
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166493713
Conc: 58.81 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 181339682
Conc: 55.51 ng/ml



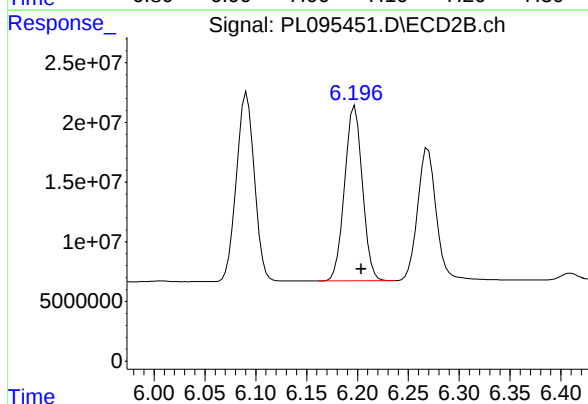
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 154931281
Conc: 54.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

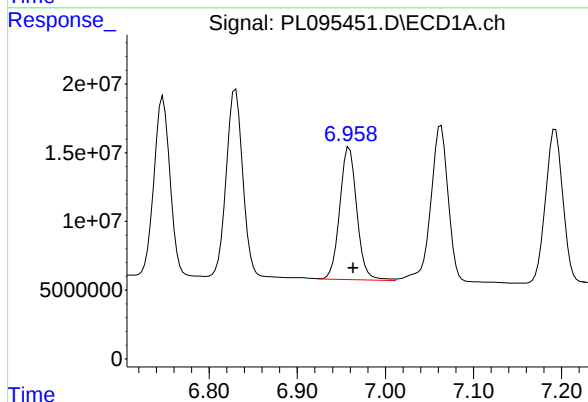
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



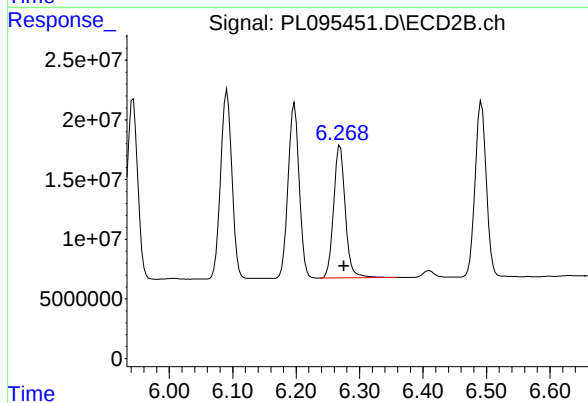
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.006 min
Response: 178244505
Conc: 51.87 ng/ml



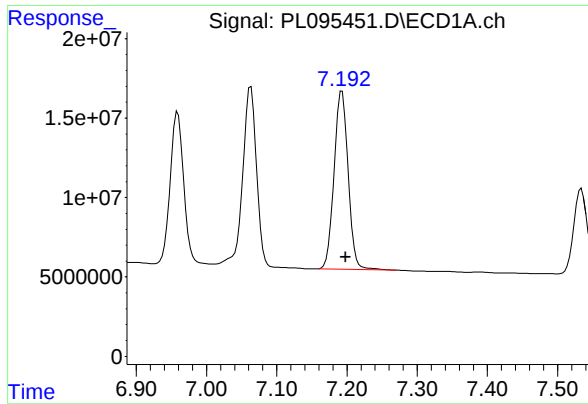
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 130220961
Conc: 56.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 142045996
Conc: 54.36 ng/ml



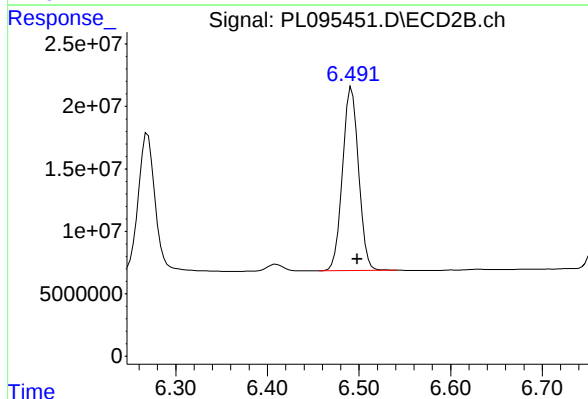
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 155653995
Conc: 55.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

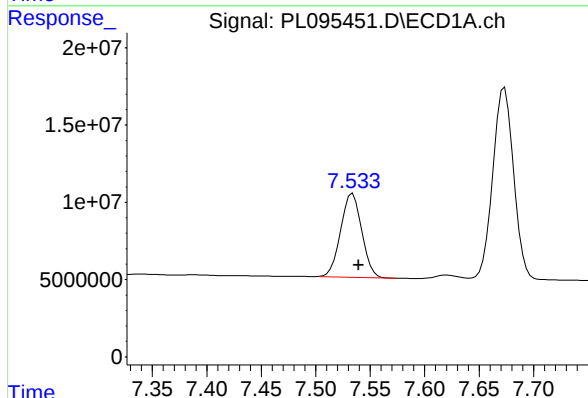
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



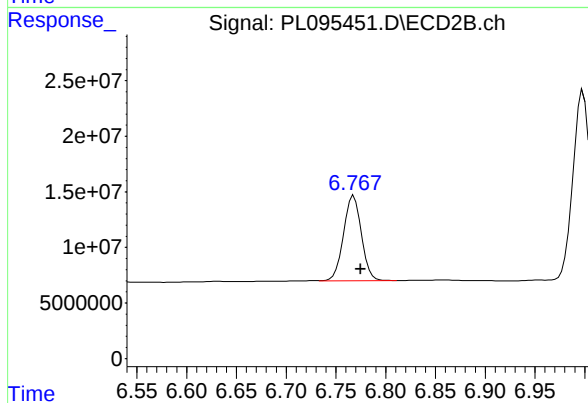
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.006 min
Response: 179822939
Conc: 54.20 ng/ml



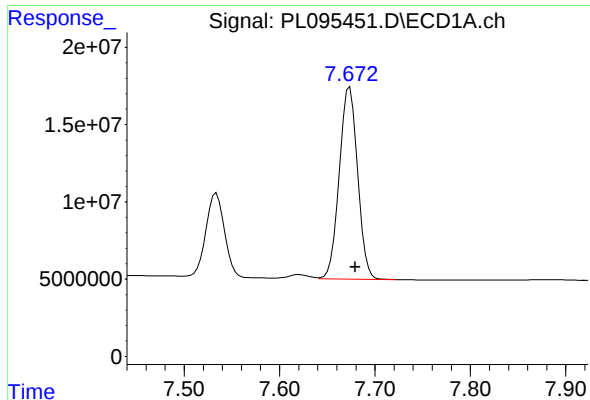
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.006 min
Response: 72562078
Conc: 52.01 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.008 min
Response: 96009994
Conc: 50.33 ng/ml m



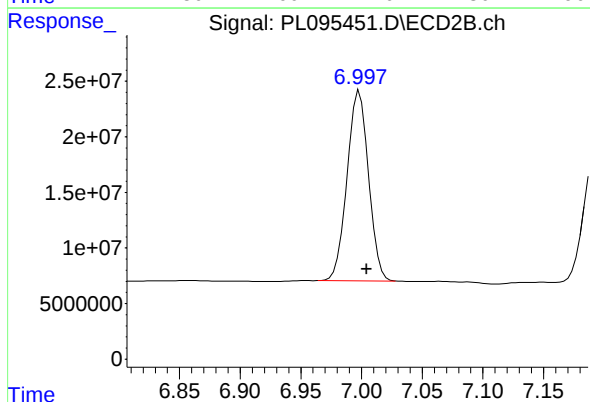
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 165613167
Conc: 58.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

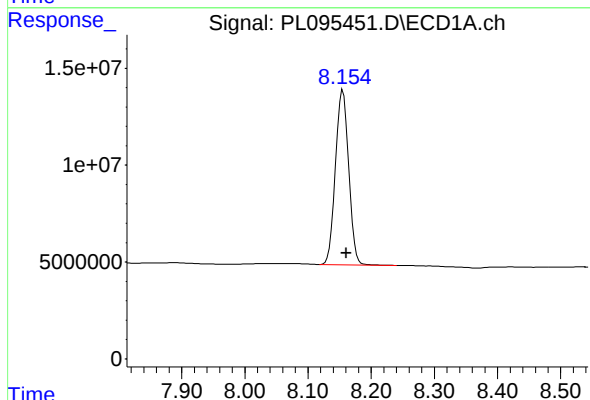
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



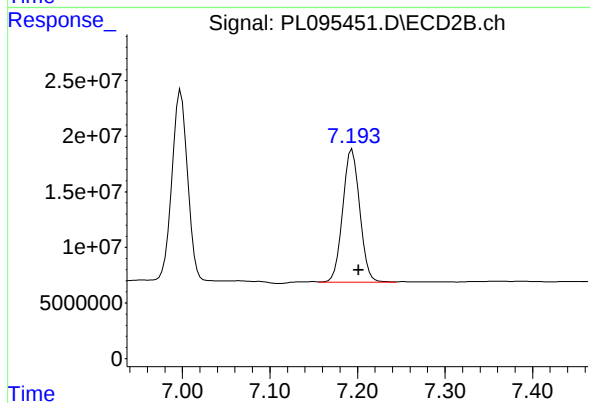
#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: -0.007 min
Response: 210933176
Conc: 59.90 ng/ml m



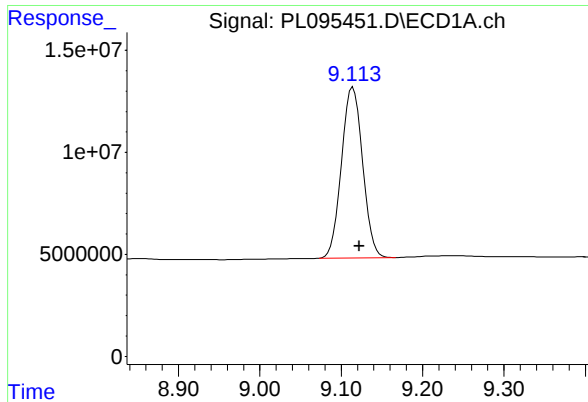
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 131359260
Conc: 55.28 ng/ml



#22 Mirex

R.T.: 7.193 min
Delta R.T.: -0.009 min
Response: 161953522
Conc: 56.19 ng/ml m



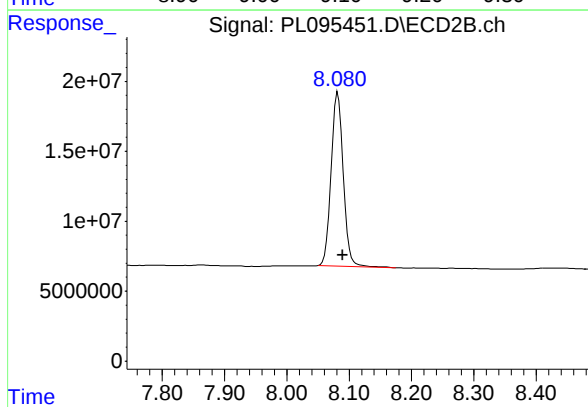
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 151812184
Conc: 54.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 167549987
Conc: 56.62 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 13:07 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 13:07 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095475.D Time Analyzed: 13:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.750	6.653	6.853	59.620	50.000	19.2
4,4'-DDE	6.240	6.143	6.343	54.050	50.000	8.1
4,4'-DDT	7.065	6.969	7.169	52.560	50.000	5.1
Aldrin	5.316	5.218	5.418	52.020	50.000	4.0
Decachlorobiphenyl	9.118	9.022	9.222	53.870	50.000	7.7
Dieldrin	6.393	6.296	6.496	55.030	50.000	10.1
Tetrachloro-m-xylene	3.594	3.495	3.695	51.720	50.000	3.4



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

CALIBRATION VERIFICATION SUMMARY
Contract: POWE02
Lab Code: CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025
Client Sample No.: CCAL03 **Date Analyzed:** 04/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095475.D **Time Analyzed:** 13:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.942	5.849	6.049	51.510	50.000	3.0
4,4'-DDE	5.390	5.297	5.497	48.410	50.000	-3.2
4,4'-DDT	6.196	6.104	6.304	45.710	50.000	-8.6
Aldrin	4.385	4.290	4.490	49.140	50.000	-1.7
Decachlorobiphenyl	8.081	7.989	8.189	53.560	50.000	7.1
Dieldrin	5.525	5.432	5.632	48.570	50.000	-2.9
Tetrachloro-m-xylene	2.903	2.806	3.006	49.110	50.000	-1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:07
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:55:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.903	168.8E6	156.2E6	51.720	49.112
28)	SA Decachlor...	9.118	8.081	149.3E6	158.5E6	53.875	53.558
Target Compounds							
2)	A alpha-BHC	4.045	3.412	260.9E6	227.6E6	52.676	51.167
3)	MA gamma-BHC...	4.375	3.746	249.1E6	220.4E6	52.617m	50.117
4)	MA Heptachlor	4.974	4.100	234.4E6	207.1E6	51.249	47.534
5)	MB Aldrin	5.316	4.385	238.9E6	202.2E6	52.016	49.136
6)	B beta-BHC	4.562	4.039	107.2E6	101.0E6	51.835	48.655
7)	B delta-BHC	4.809	4.275	241.7E6	218.8E6	51.969m	49.935
8)	B Heptachlo...	5.736	4.887	213.7E6	189.0E6	53.353	48.918
9)	A Endosulfan I	6.119	5.260	204.0E6	182.5E6	53.721	49.844
10)	B gamma-Chl...	5.991	5.138	220.5E6	198.2E6	54.040	48.903m
11)	B alpha-Chl...	6.071	5.204	218.3E6	195.1E6	53.692	49.010
12)	B 4,4'-DDE	6.240	5.390	211.9E6	196.9E6	54.050	48.406
13)	MA Dieldrin	6.393	5.525	212.1E6	197.5E6	55.029	48.570
14)	MA Endrin	6.620	5.800	160.4E6	161.8E6	50.372	44.445
15)	B Endosulfa...	6.830	6.090	178.5E6	178.2E6	55.919m	49.628
16)	A 4,4'-DDD	6.750	5.942	168.8E6	168.3E6	59.623	51.514
17)	MA 4,4'-DDT	7.065	6.196	149.7E6	157.1E6	52.564	45.712
18)	B Endrin al...	6.961	6.269	129.8E6	130.4E6	55.933	49.913
19)	B Endosulfa...	7.194	6.492	154.4E6	166.9E6	55.117	50.310
20)	A Methoxychlor	7.536	6.767	68941613	84372136	49.416	44.233
21)	B Endrin ke...	7.676	6.997	168.7E6	201.1E6	59.188	57.110
22)	Mirex	8.157	7.192	129.0E6	151.6E6	54.296	52.586m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

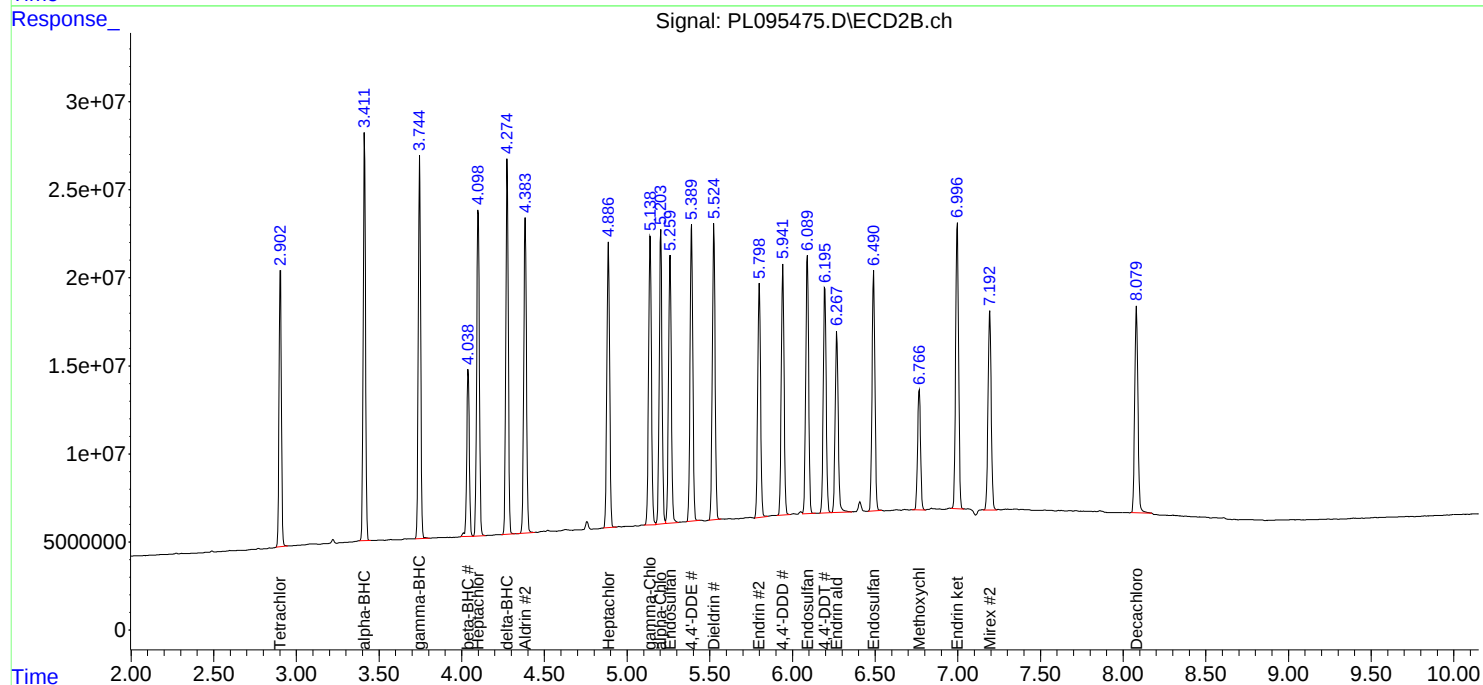
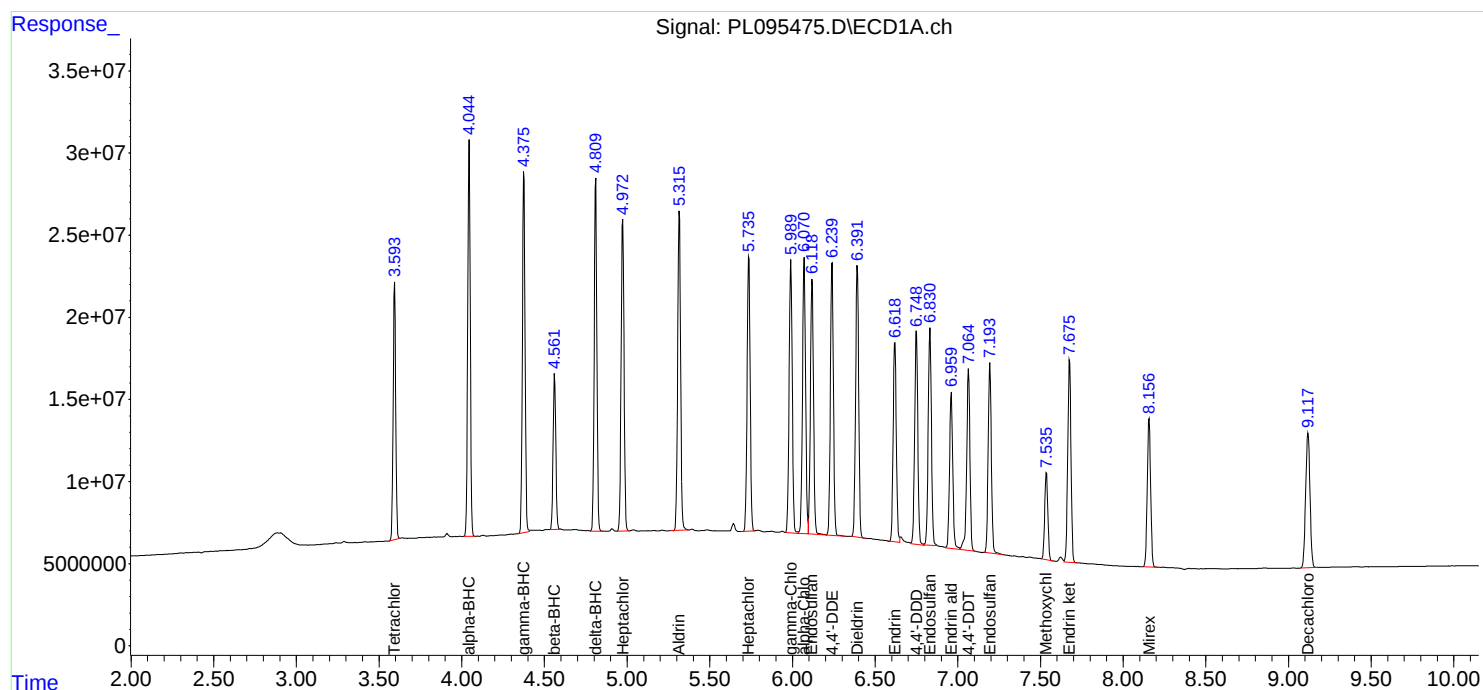
APPROVED

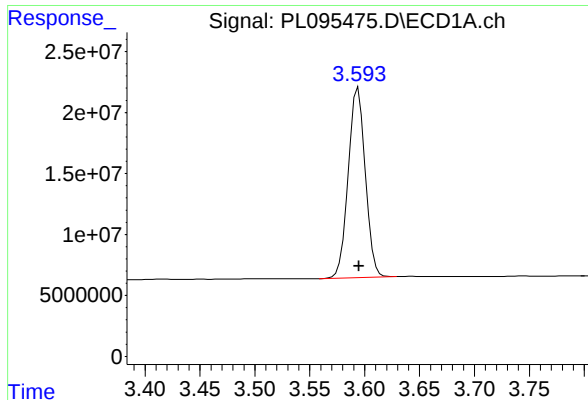
Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





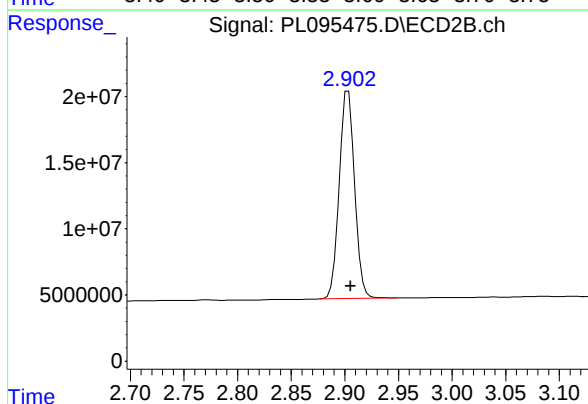
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 168849799
Conc: 51.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

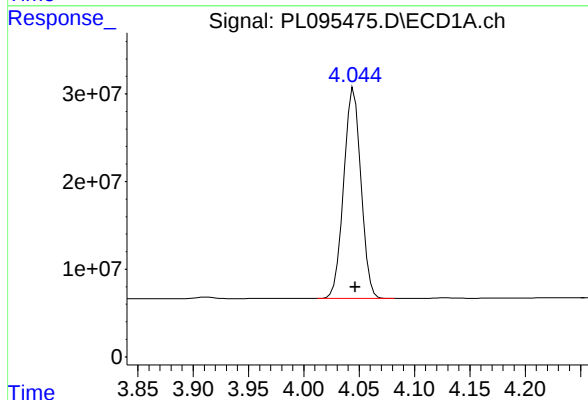
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



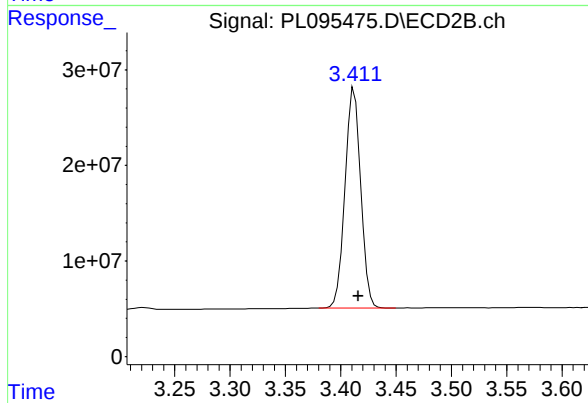
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.002 min
Response: 156162686
Conc: 49.11 ng/ml



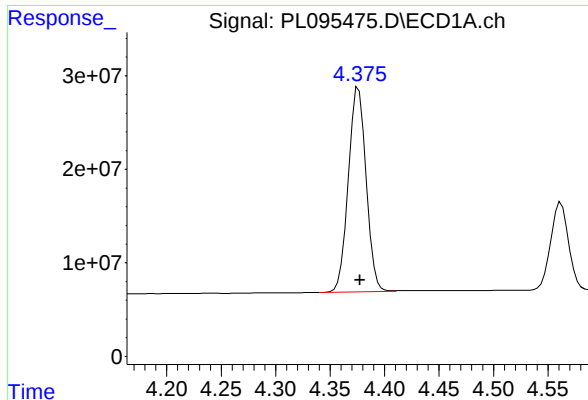
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 260944383
Conc: 52.68 ng/ml



#2 alpha-BHC

R.T.: 3.412 min
Delta R.T.: -0.004 min
Response: 227626343
Conc: 51.17 ng/ml



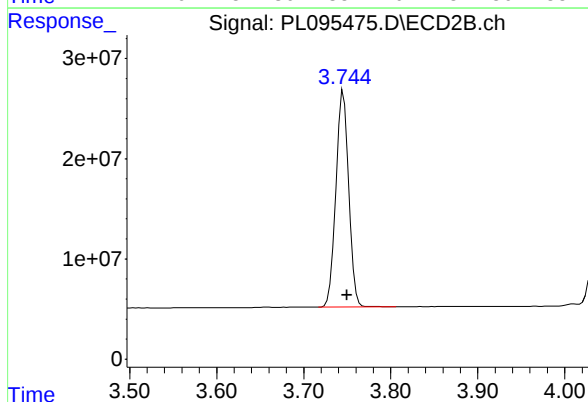
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 249088578
Conc: 52.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

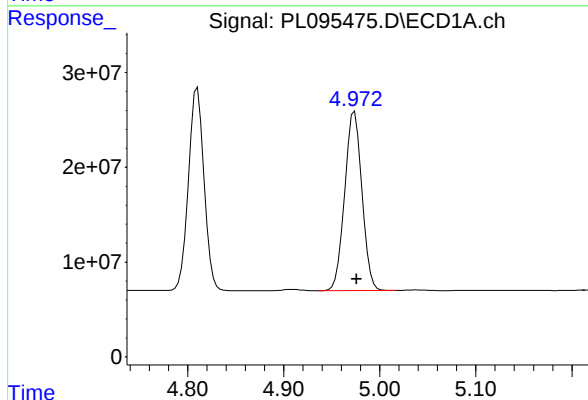
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



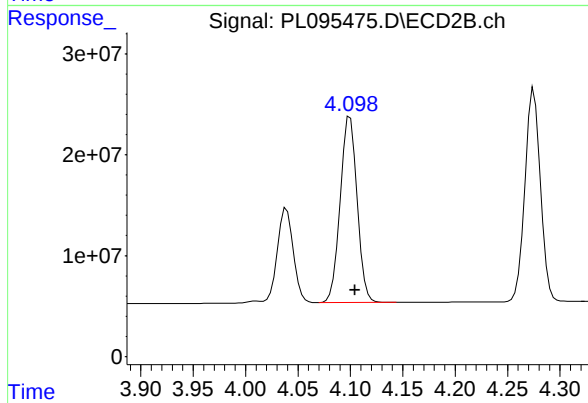
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 220426832
Conc: 50.12 ng/ml



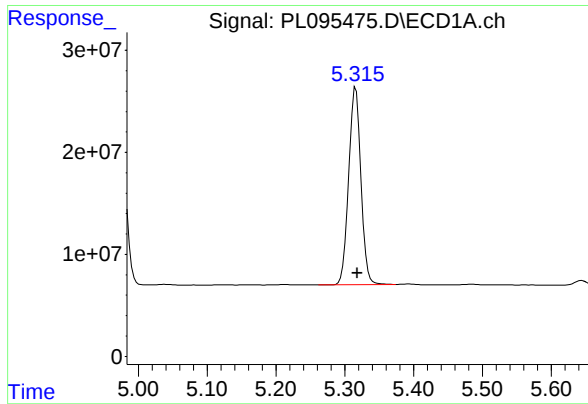
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 234434739
Conc: 51.25 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.005 min
Response: 207089769
Conc: 47.53 ng/ml



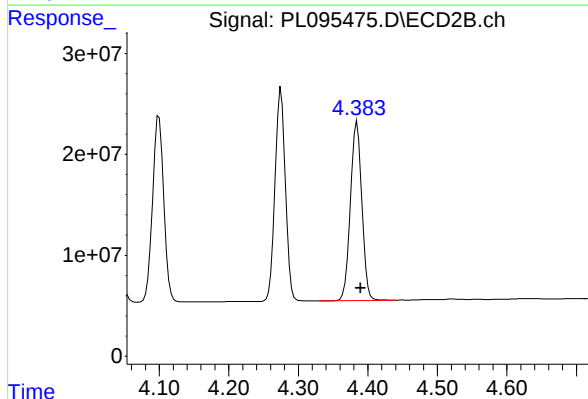
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 238910048
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

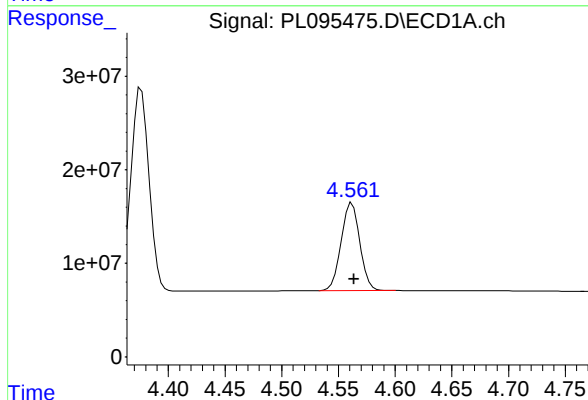
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



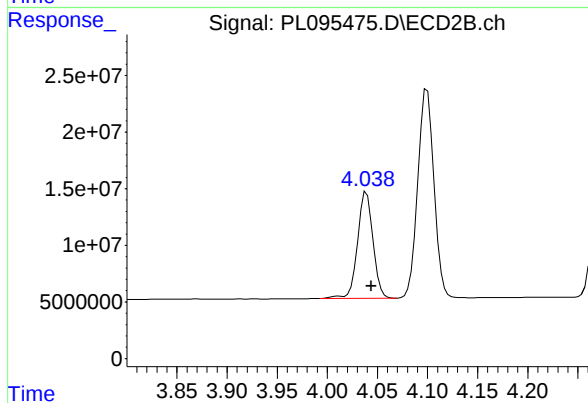
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 202226535
Conc: 49.14 ng/ml



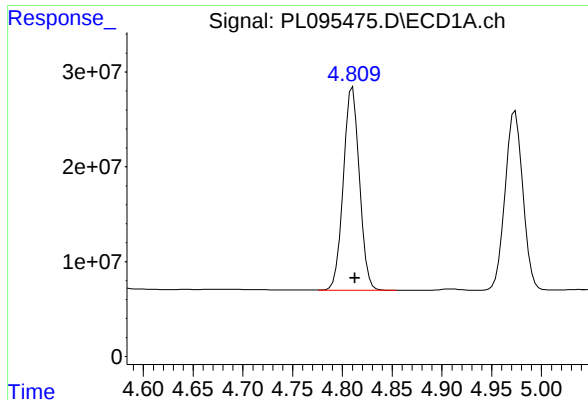
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 107169482
Conc: 51.83 ng/ml



#6 beta-BHC

R.T.: 4.039 min
Delta R.T.: -0.005 min
Response: 101001080
Conc: 48.65 ng/ml



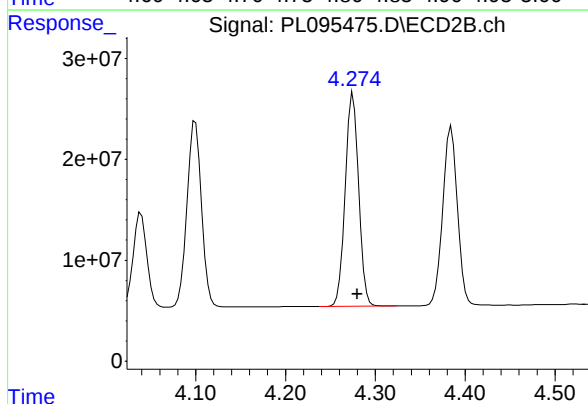
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.004 min
Response: 241691960
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

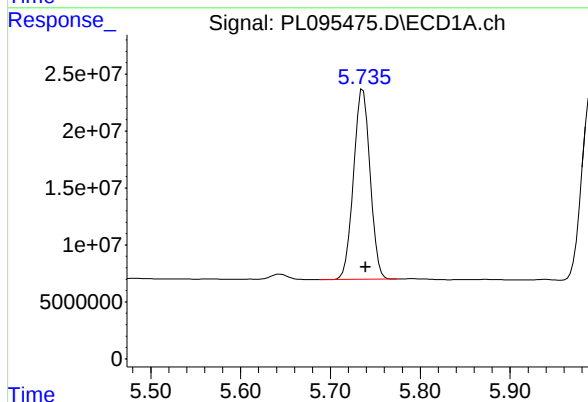
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



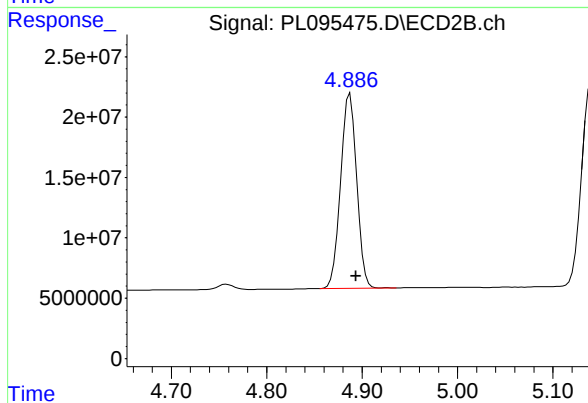
#7 delta-BHC

R.T.: 4.275 min
Delta R.T.: -0.005 min
Response: 218811923
Conc: 49.93 ng/ml



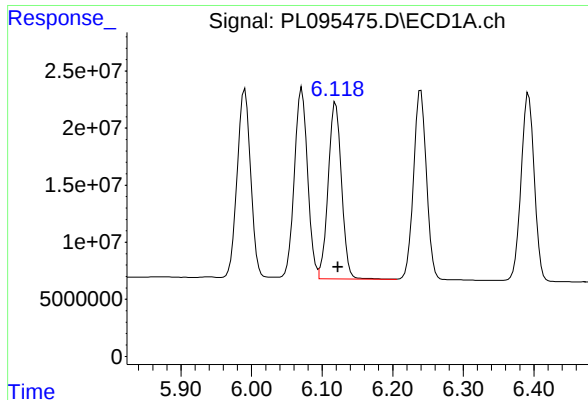
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 213687424
Conc: 53.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.887 min
Delta R.T.: -0.006 min
Response: 188955093
Conc: 48.92 ng/ml



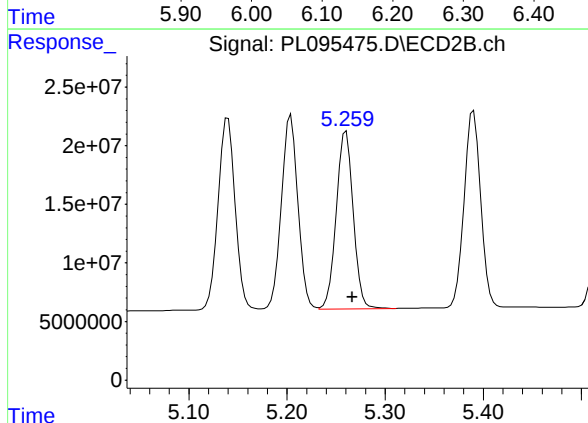
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.003 min
Response: 204005762
Conc: 53.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

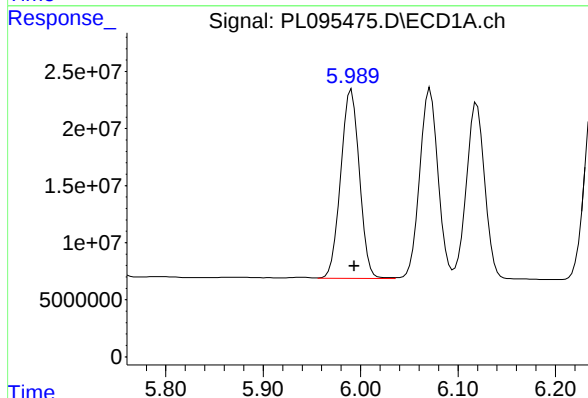
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



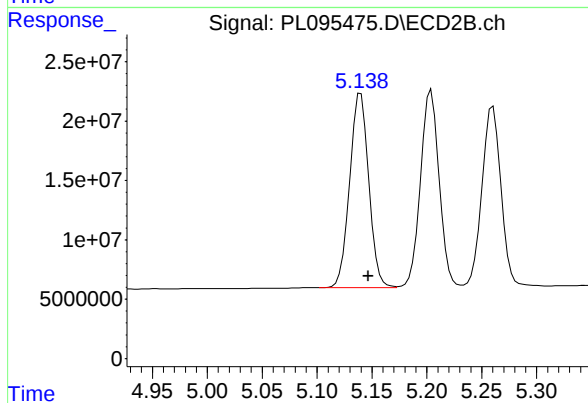
#9 Endosulfan I

R.T.: 5.260 min
Delta R.T.: -0.006 min
Response: 182450940
Conc: 49.84 ng/ml



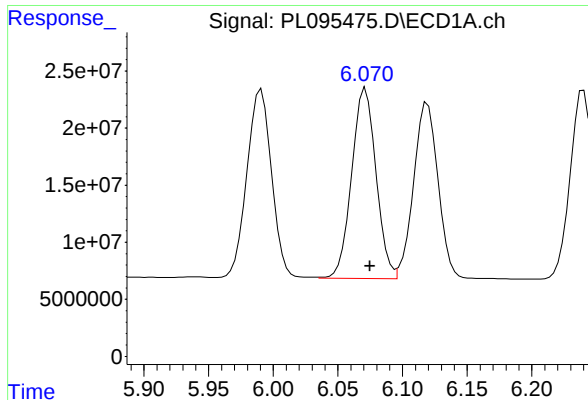
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 220450175
Conc: 54.04 ng/ml



#10 gamma-Chlordane

R.T.: 5.138 min
Delta R.T.: -0.008 min
Response: 198189259
Conc: 48.90 ng/ml m



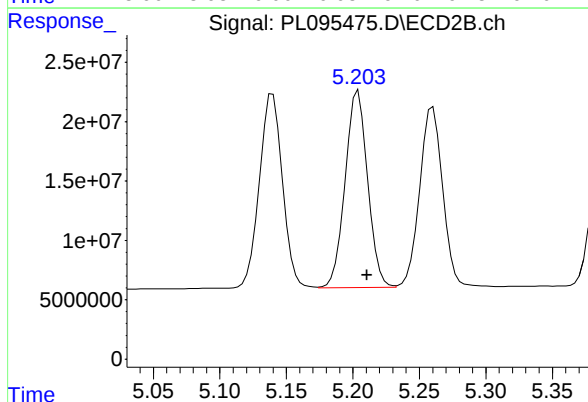
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 218314724
Conc: 53.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

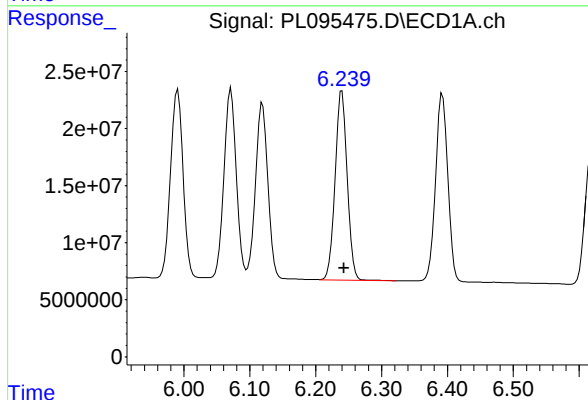
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



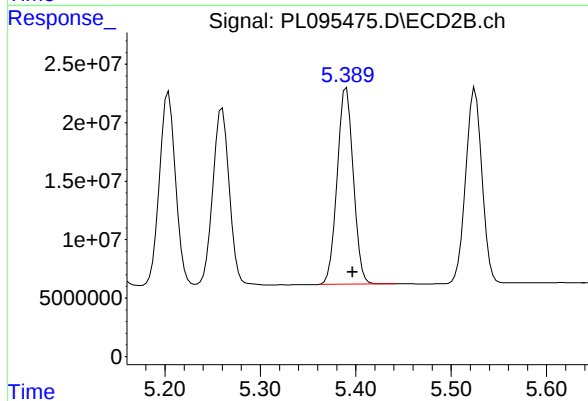
#11 alpha-Chlordane

R.T.: 5.204 min
Delta R.T.: -0.007 min
Response: 195113115
Conc: 49.01 ng/ml



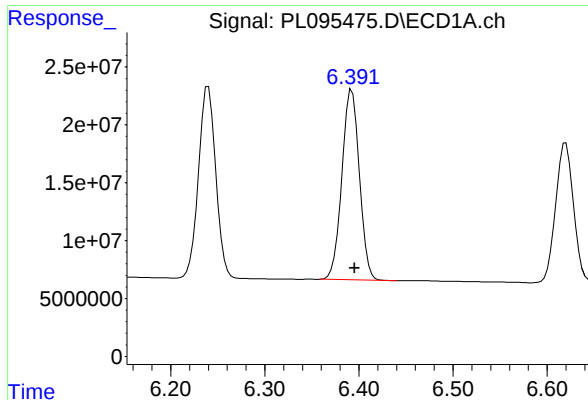
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 211906002
Conc: 54.05 ng/ml



#12 4,4'-DDE

R.T.: 5.390 min
Delta R.T.: -0.007 min
Response: 196864195
Conc: 48.41 ng/ml



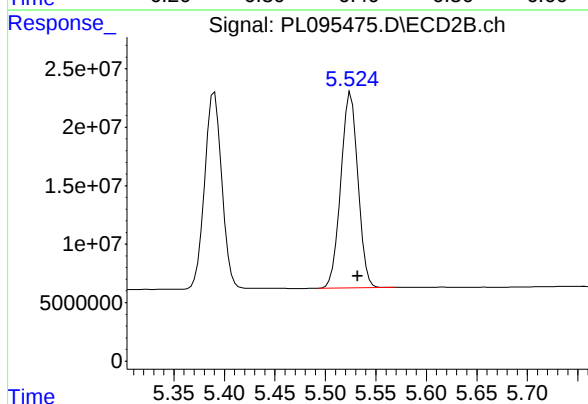
#13 Dieldrin

R.T.: 6.393 min
Delta R.T.: -0.003 min
Response: 212125311
Conc: 55.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

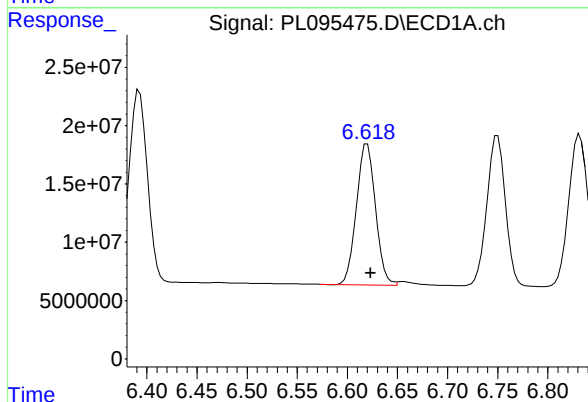
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



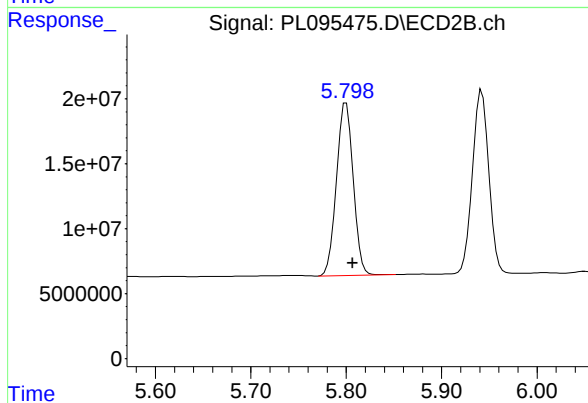
#13 Dieldrin

R.T.: 5.525 min
Delta R.T.: -0.007 min
Response: 197537236
Conc: 48.57 ng/ml



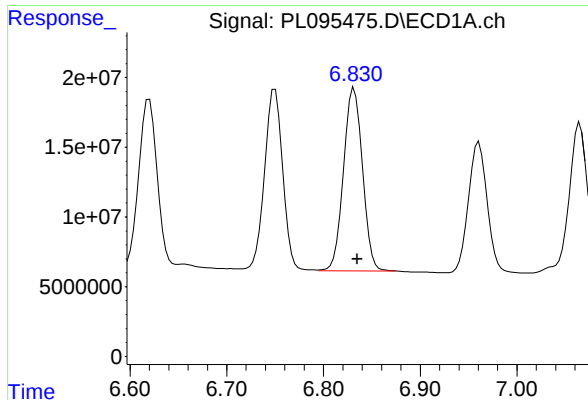
#14 Endrin

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 160422335
Conc: 50.37 ng/ml



#14 Endrin

R.T.: 5.800 min
Delta R.T.: -0.007 min
Response: 161811532
Conc: 44.44 ng/ml



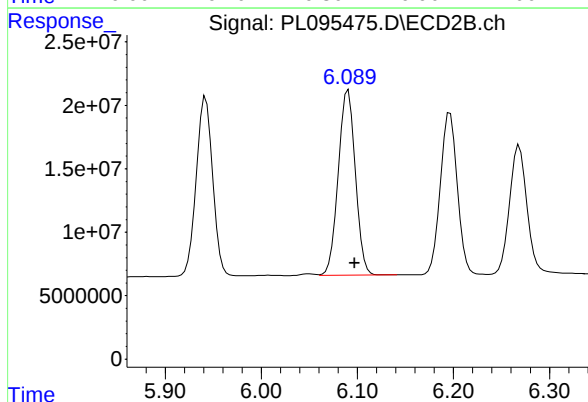
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 178503541
Conc: 55.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

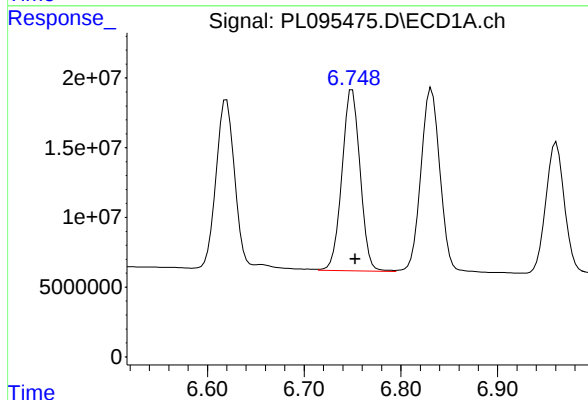
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



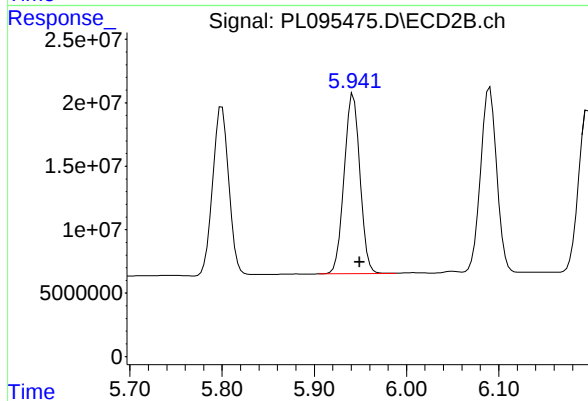
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: -0.007 min
Response: 178220942
Conc: 49.63 ng/ml



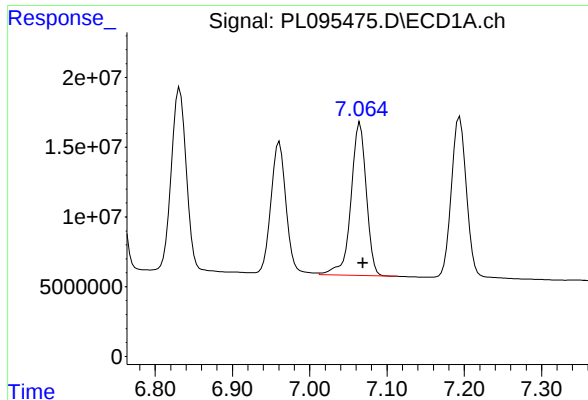
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 168790414
Conc: 59.62 ng/ml



#16 4,4'-DDD

R.T.: 5.942 min
Delta R.T.: -0.007 min
Response: 168285836
Conc: 51.51 ng/ml



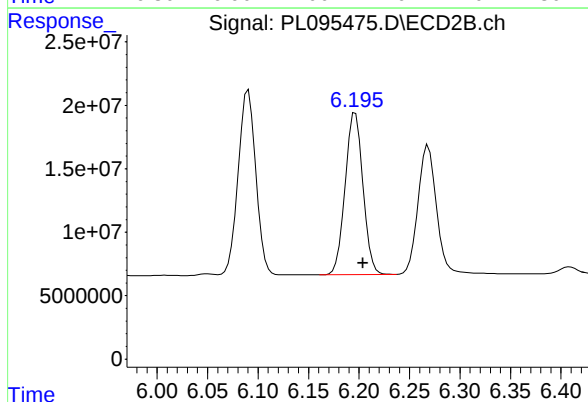
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 149732587
Conc: 52.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

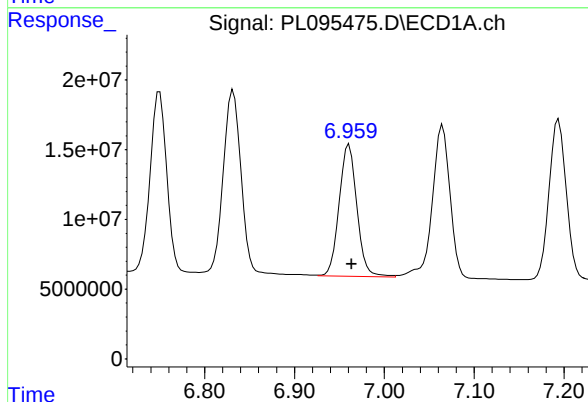
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



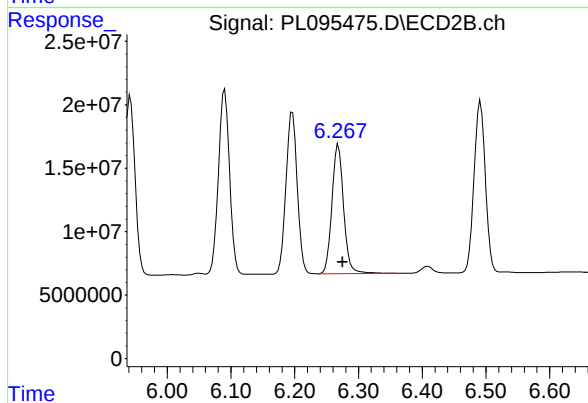
#17 4,4'-DDT

R.T.: 6.196 min
Delta R.T.: -0.007 min
Response: 157074710
Conc: 45.71 ng/ml



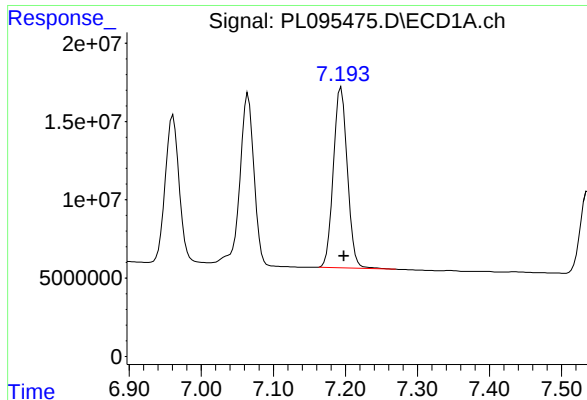
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.003 min
Response: 129809526
Conc: 55.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 130430292
Conc: 49.91 ng/ml



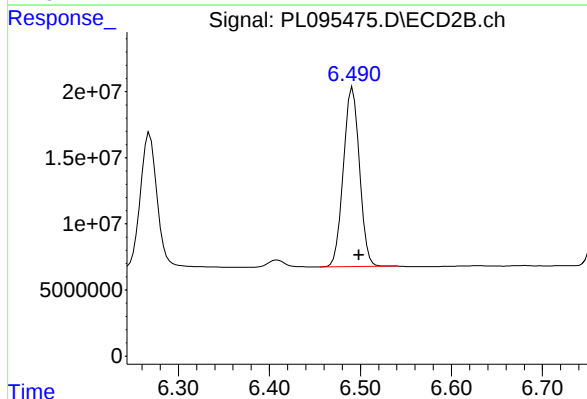
#19 Endosulfan Sulfate

R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 154426776
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

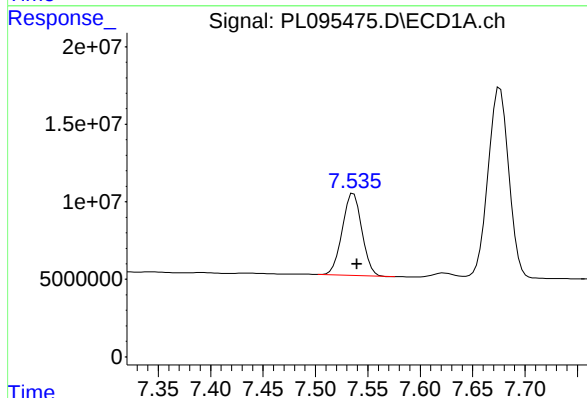
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



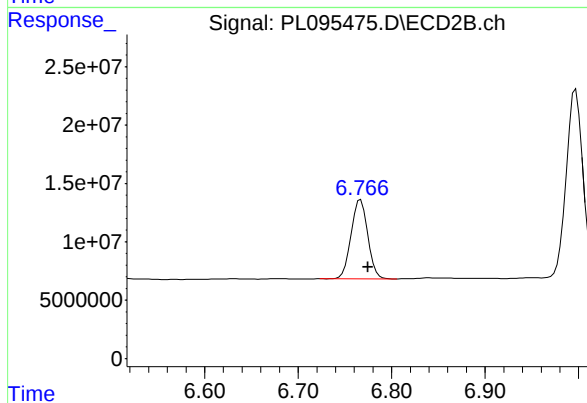
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.007 min
Response: 166926592
Conc: 50.31 ng/ml



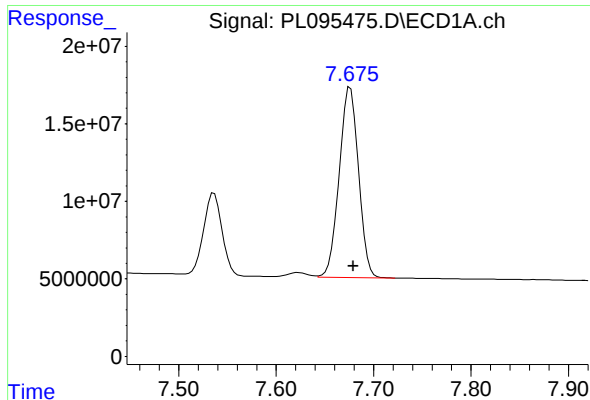
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.003 min
Response: 68941613
Conc: 49.42 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.008 min
Response: 84372136
Conc: 44.23 ng/ml



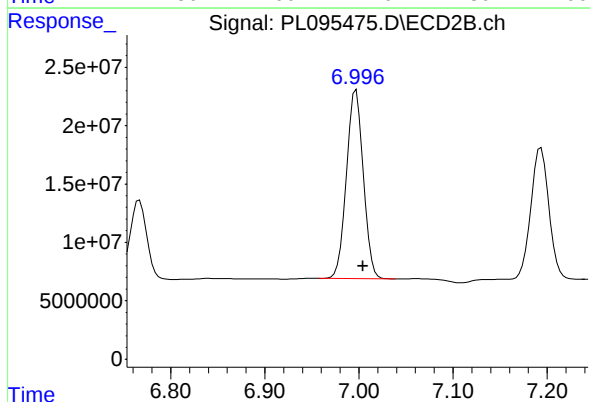
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 168737424
Conc: 59.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

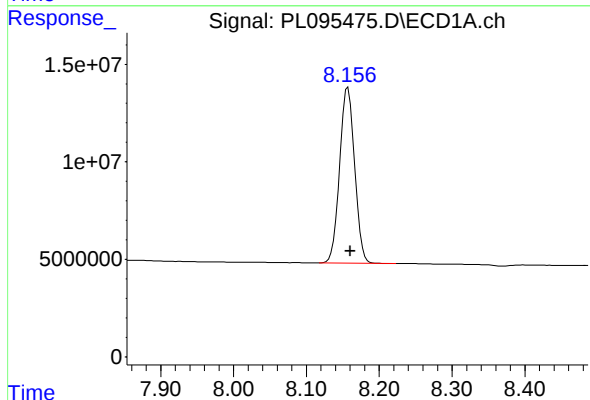
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



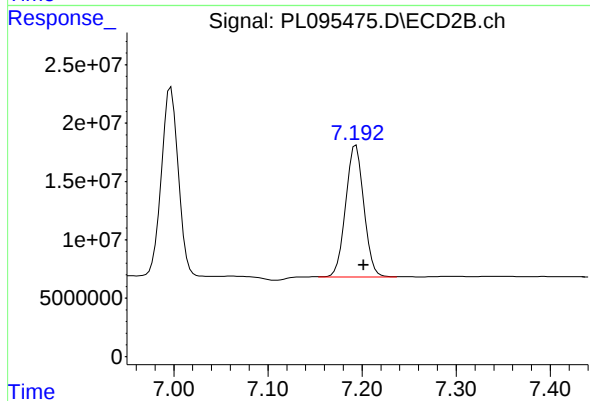
#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: -0.007 min
Response: 201102710
Conc: 57.11 ng/ml



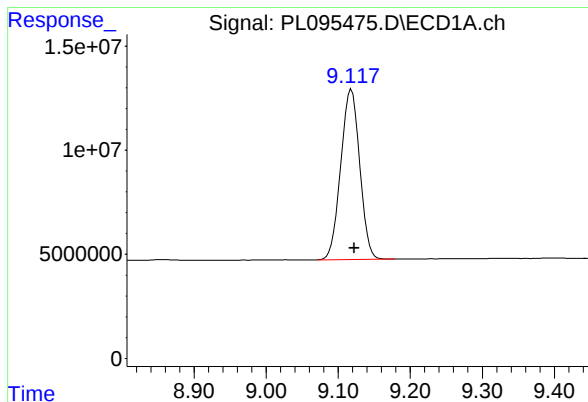
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 129009126
Conc: 54.30 ng/ml



#22 Mirex

R.T.: 7.192 min
Delta R.T.: -0.009 min
Response: 151573550
Conc: 52.59 ng/ml m



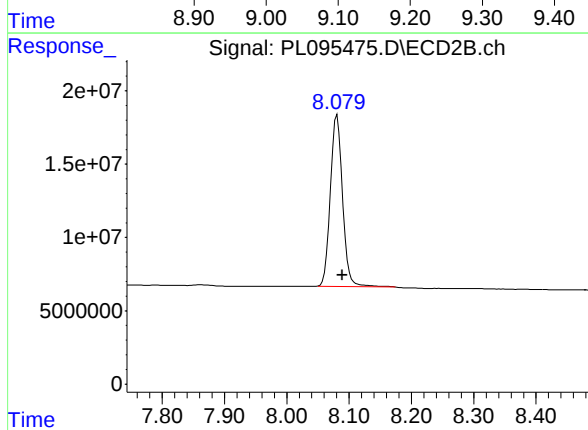
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 149276487
Conc: 53.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.009 min
Response: 158493088
Conc: 53.56 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 17:42 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
Aldrin	5.32	5.32	5.22	5.42	0.00
Dieldrin	6.40	6.40	6.30	6.50	0.00
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 17:42 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
4,4'-DDT	6.20	6.20	6.10	6.30	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095484.D Time Analyzed: 17:42

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.753	6.653	6.853	53.600	50.000	7.2
4,4'-DDE	6.243	6.143	6.343	46.370	50.000	-7.3
4,4'-DDT	7.068	6.969	7.169	43.530	50.000	-12.9
Aldrin	5.318	5.218	5.418	44.960	50.000	-10.1
Decachlorobiphenyl	9.122	9.022	9.222	46.790	50.000	-6.4
Dieldrin	6.396	6.296	6.496	47.690	50.000	-4.6
Tetrachloro-m-xylene	3.596	3.495	3.695	44.610	50.000	-10.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095484.D Time Analyzed: 17:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.946	5.849	6.049	52.250	50.000	4.5
4,4'-DDE	5.392	5.297	5.497	47.760	50.000	-4.5
4,4'-DDT	6.200	6.104	6.304	42.790	50.000	-14.4
Aldrin	4.386	4.290	4.490	51.290	50.000	2.6
Decachlorobiphenyl	8.084	7.989	8.189	45.080	50.000	-9.8
Dieldrin	5.529	5.432	5.632	48.760	50.000	-2.5
Tetrachloro-m-xylene	2.906	2.806	3.006	50.780	50.000	1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 17:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:57:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.596	2.906	145.6E6	161.5E6	44.612	50.785
28)	SA Decachlor...	9.122	8.084	129.6E6	133.4E6	46.791	45.079
Target Compounds							
2)	A alpha-BHC	4.047	3.415	224.5E6	241.6E6	45.329	54.303
3)	MA gamma-BHC...	4.377	3.749	211.5E6	227.4E6	44.670m	51.709
4)	MA Heptachlor	4.976	4.103	200.0E6	211.6E6	43.714	48.574
5)	MB Aldrin	5.318	4.386	206.5E6	211.1E6	44.962	51.287m
6)	B beta-BHC	4.564	4.042	91627858	99878417	44.318	48.114
7)	B delta-BHC	4.812	4.279	209.2E6	225.5E6	44.993m	51.450
8)	B Heptachlo...	5.739	4.890	185.4E6	190.3E6	46.298	49.257
9)	A Endosulfan I	6.122	5.264	176.0E6	179.3E6	46.359	48.995
10)	B gamma-Chl...	5.993	5.142	190.6E6	195.3E6	46.720	48.188m
11)	B alpha-Chl...	6.075	5.208	189.0E6	190.8E6	46.486	47.919
12)	B 4,4'-DDE	6.243	5.392	181.8E6	194.2E6	46.367	47.758m
13)	MA Dieldrin	6.396	5.529	183.9E6	198.3E6	47.695	48.763
14)	MA Endrin	6.623	5.803	136.3E6	157.3E6	42.788	43.206
15)	B Endosulfa...	6.834	6.094	162.2E6	172.3E6	50.814	47.988
16)	A 4,4'-DDD	6.753	5.946	151.8E6	170.7E6	53.604	52.254
17)	MA 4,4'-DDT	7.068	6.200	124.0E6	147.0E6	43.532	42.791
18)	B Endrin al...	6.964	6.271	113.1E6	124.6E6	48.724	47.684
19)	B Endosulfa...	7.197	6.495	134.1E6	158.6E6	47.856	47.807
20)	A Methoxychlor	7.539	6.770	57135811	77808827	40.954	40.793
21)	B Endrin ke...	7.679	7.001	146.8E6	191.5E6	51.486	54.380
22)	Mirex	8.160	7.195	112.4E6	137.2E6	47.294	47.607m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

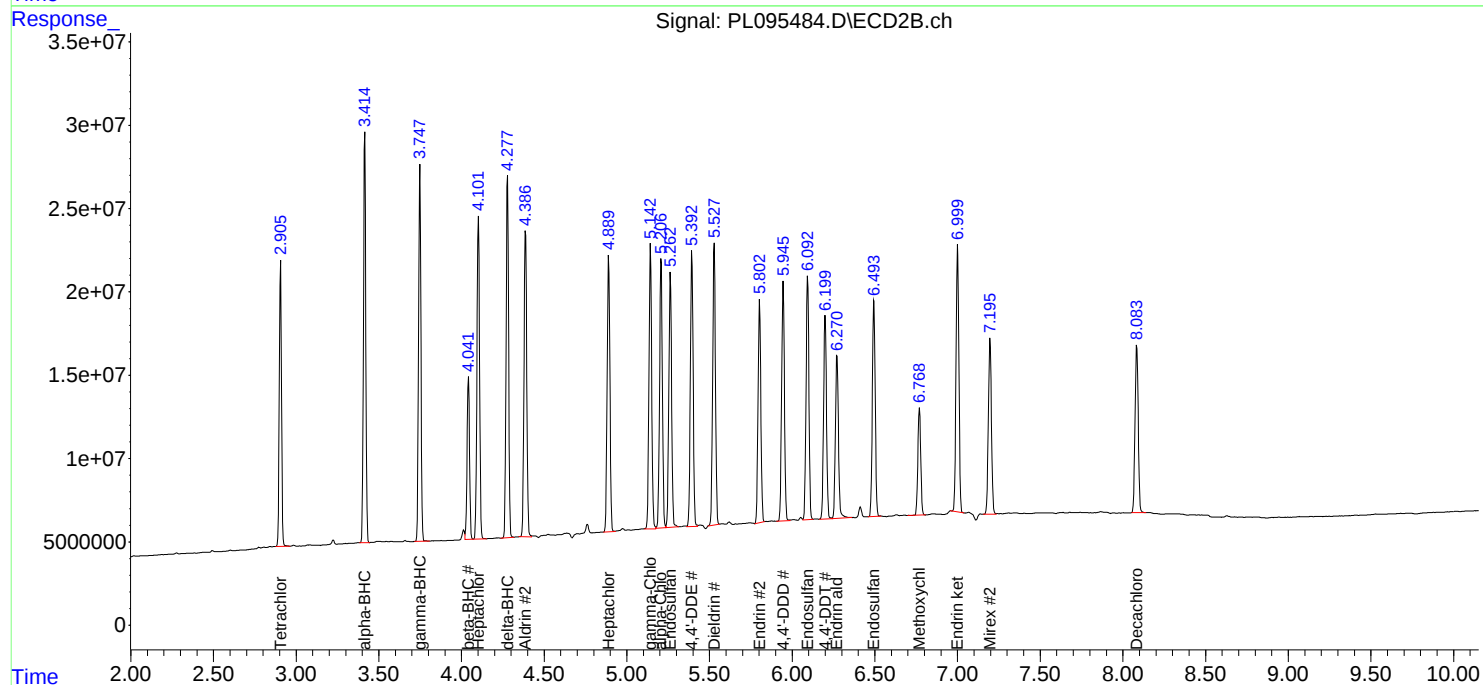
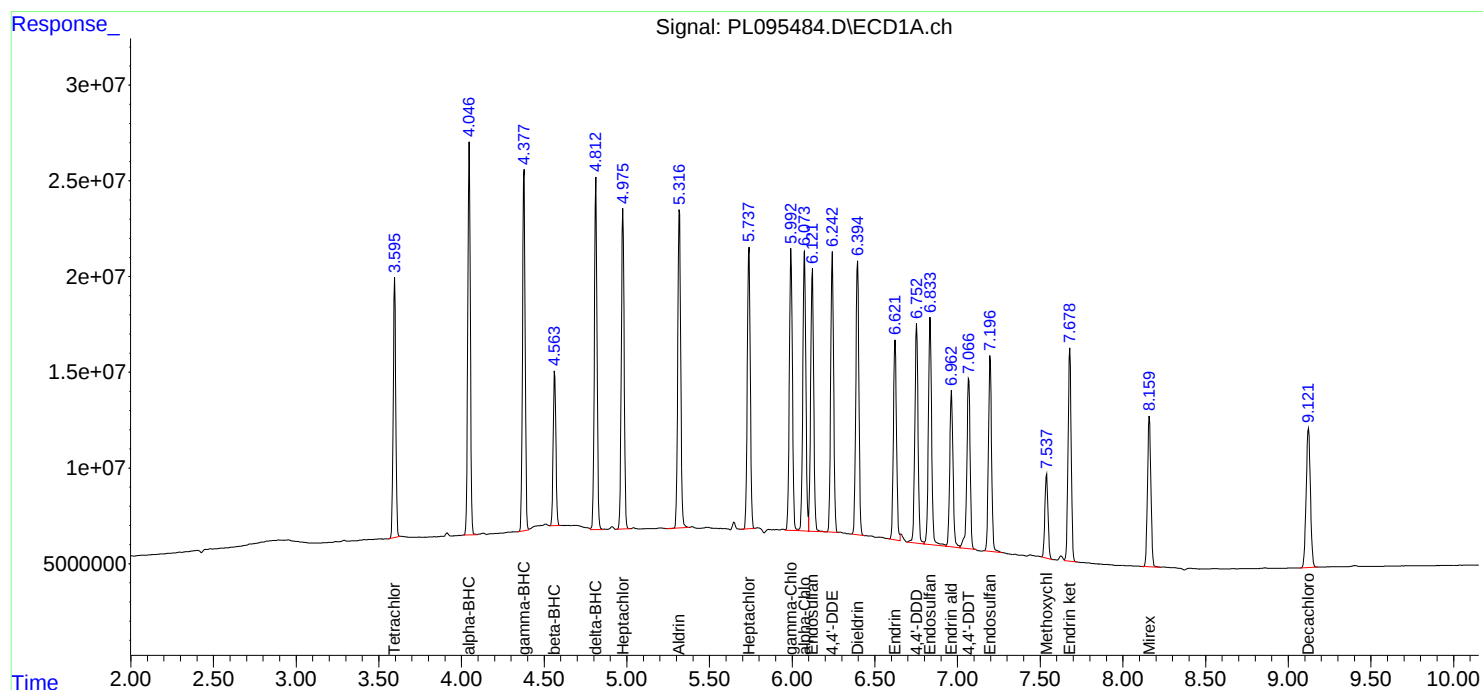
APPROVED

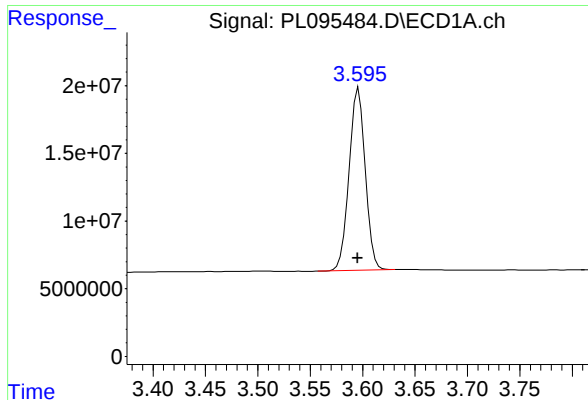
Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





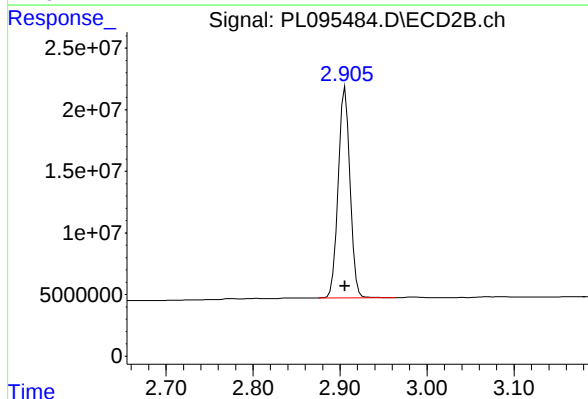
#1 Tetrachloro-m-xylene

R.T.: 3.596 min
Delta R.T.: 0.001 min
Response: 145644863
Conc: 44.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

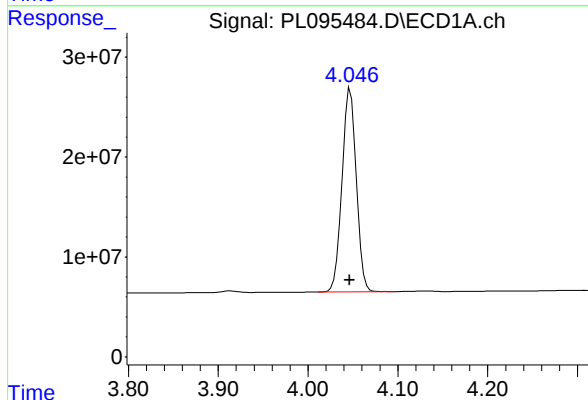
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



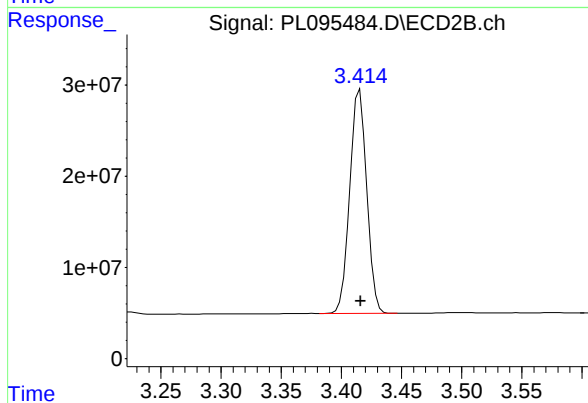
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 161482817
Conc: 50.78 ng/ml



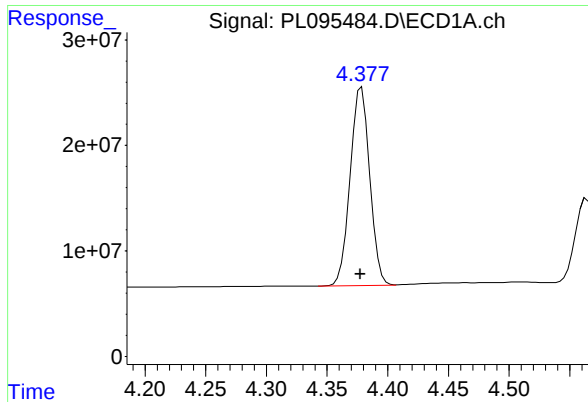
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 224546977
Conc: 45.33 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 241578017
Conc: 54.30 ng/ml



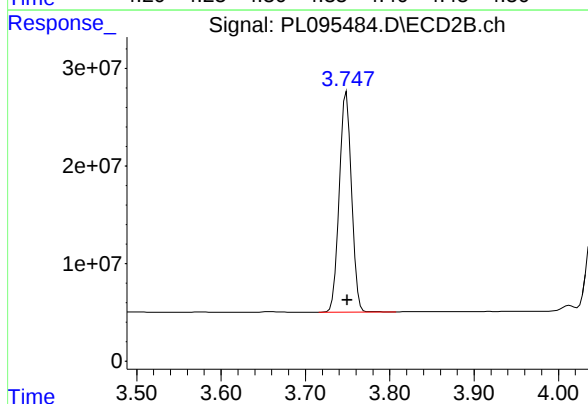
#3 gamma-BHC (Lindane)

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 211466438
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

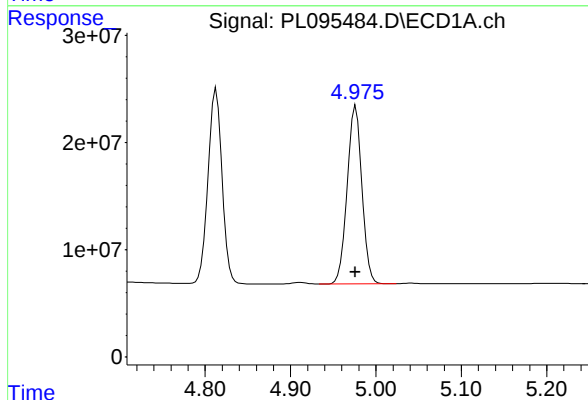
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



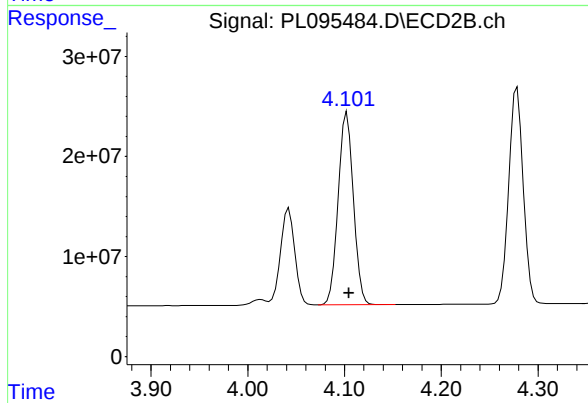
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: -0.001 min
Response: 227426289
Conc: 51.71 ng/ml



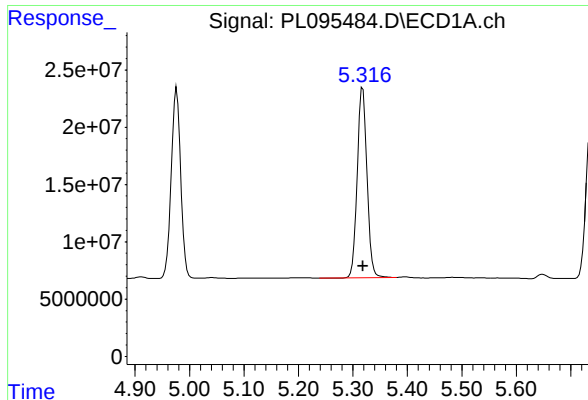
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 199966691
Conc: 43.71 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 211622648
Conc: 48.57 ng/ml



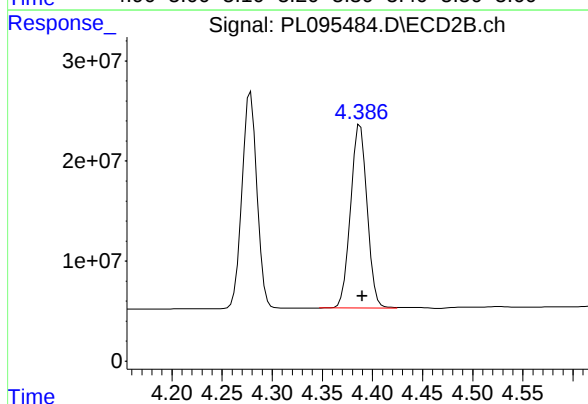
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 206513805
Conc: 44.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

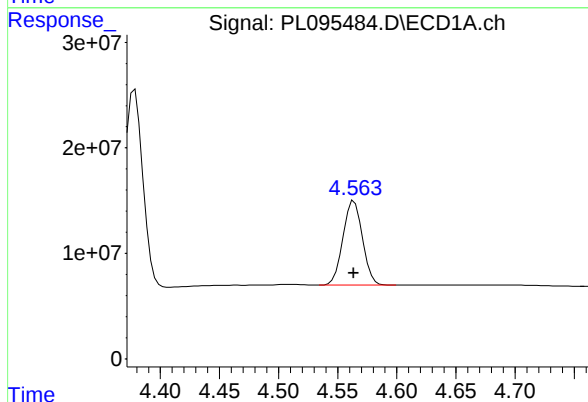
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/02/2025



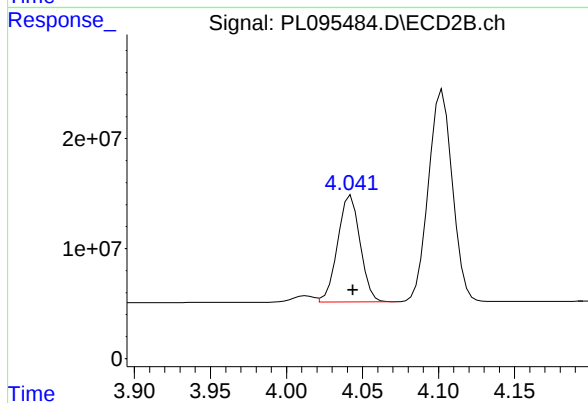
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 211079358
Conc: 51.29 ng/ml m



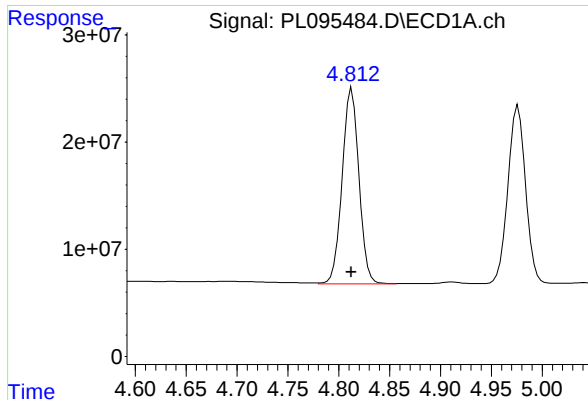
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 91627858
Conc: 44.32 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.001 min
Response: 99878417
Conc: 48.11 ng/ml



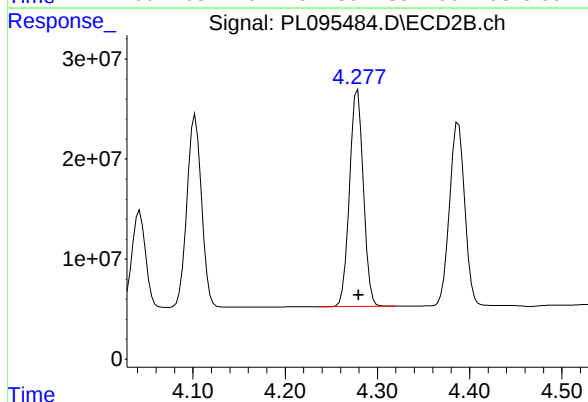
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 209248979
Conc: 44.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

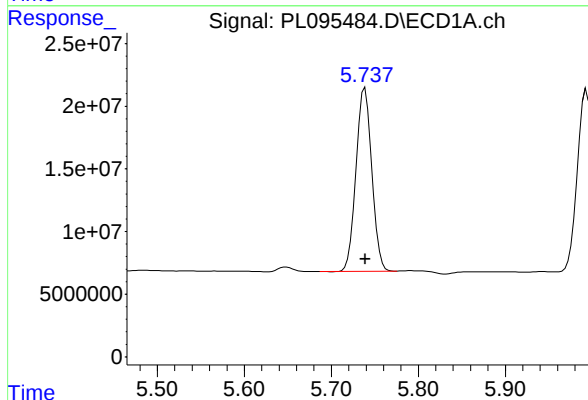
Manual Integrations
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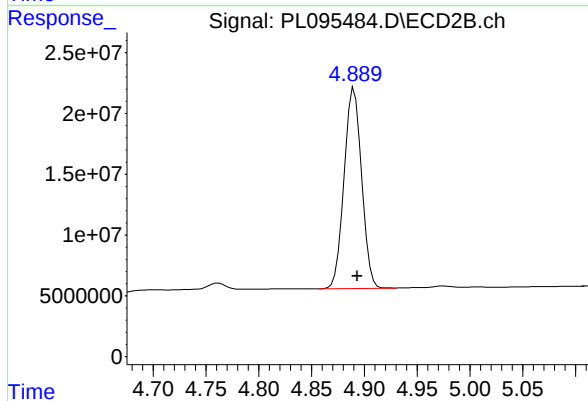
#7 delta-BHC

R.T.: 4.279 min
Delta R.T.: -0.001 min
Response: 225450326
Conc: 51.45 ng/ml



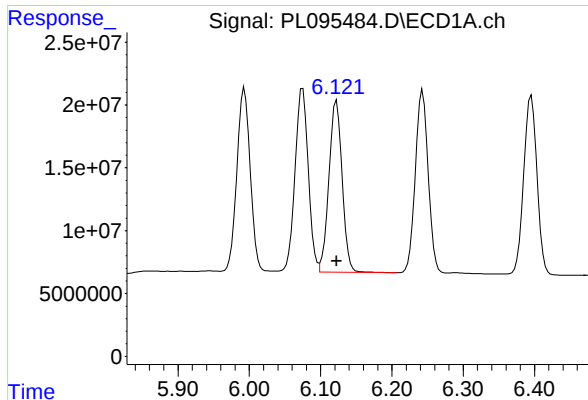
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 185430567
Conc: 46.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.890 min
Delta R.T.: -0.003 min
Response: 190261354
Conc: 49.26 ng/ml



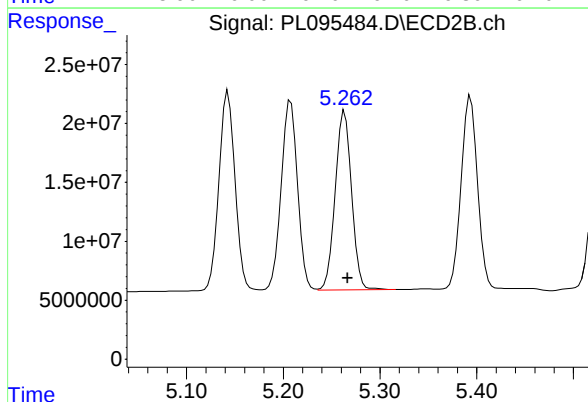
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 176049774
Conc: 46.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

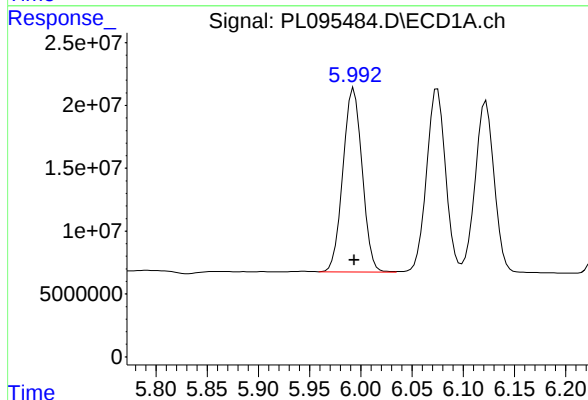
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



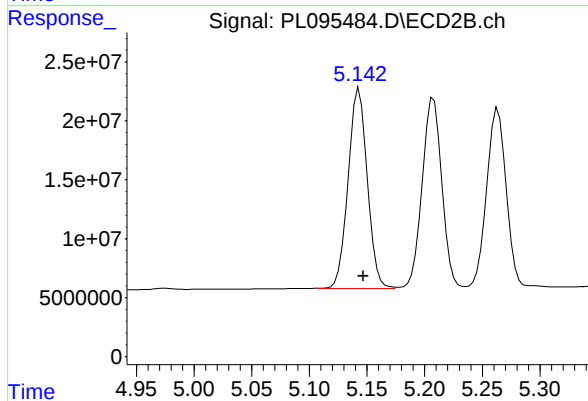
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.003 min
Response: 179342727
Conc: 49.00 ng/ml



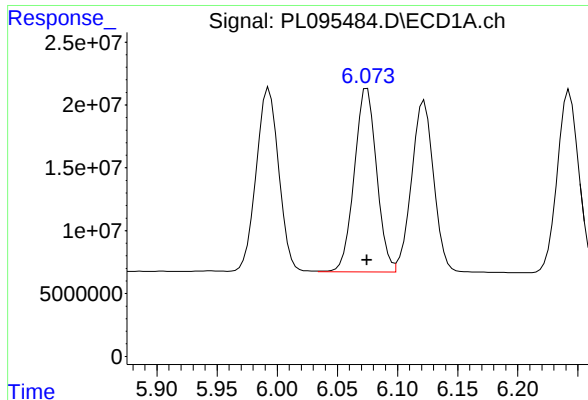
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 190589310
Conc: 46.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.142 min
Delta R.T.: -0.005 min
Response: 195289795
Conc: 48.19 ng/ml m



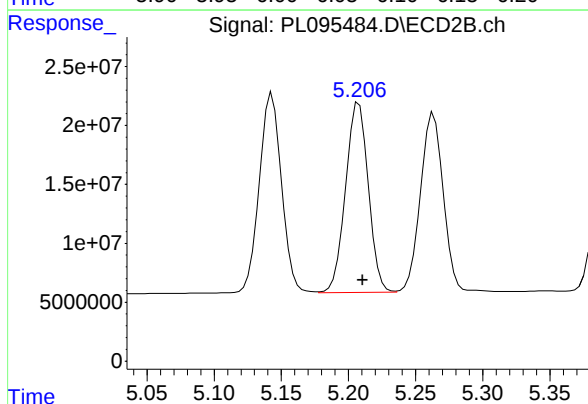
#11 alpha-Chlordane

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 189015878
Conc: 46.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

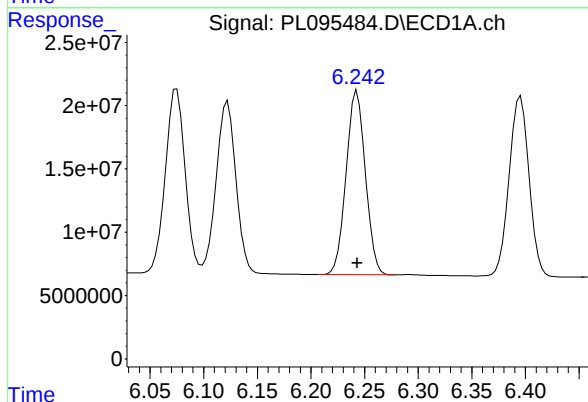
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



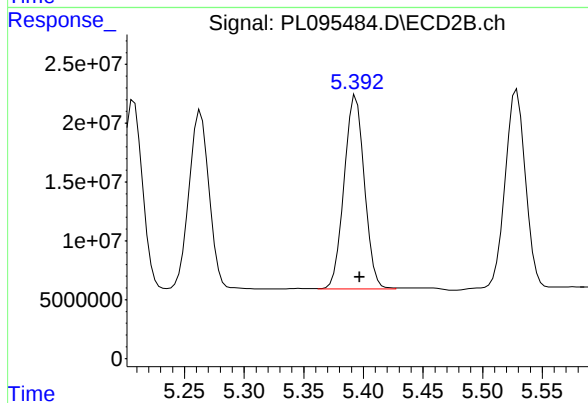
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.003 min
Response: 190767496
Conc: 47.92 ng/ml



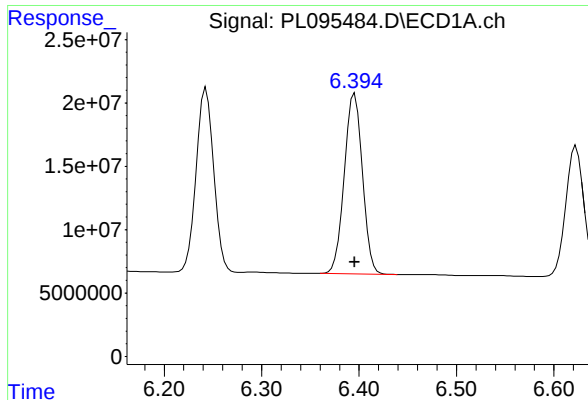
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 181784018
Conc: 46.37 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 194231131
Conc: 47.76 ng/ml m



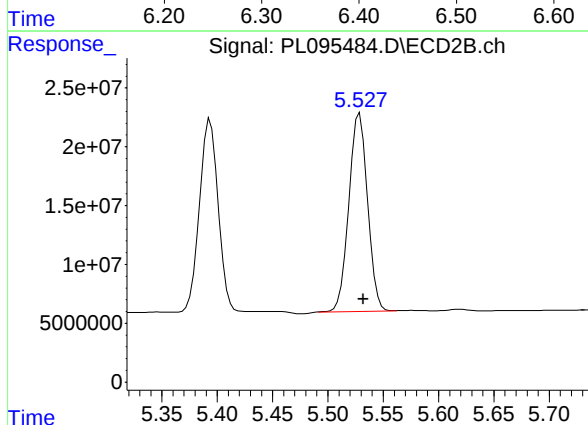
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 183854222
Conc: 47.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

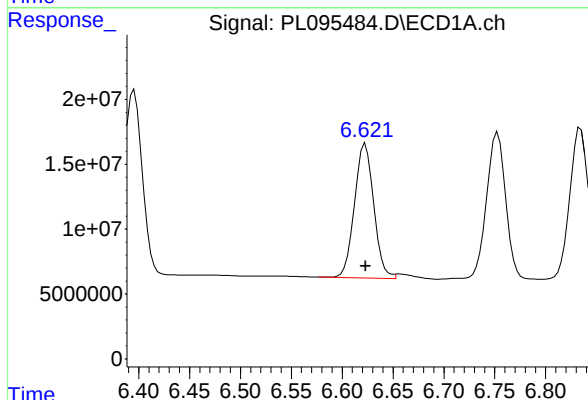
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



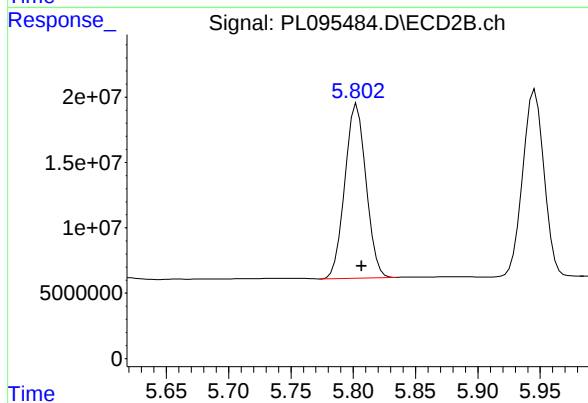
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 198322422
Conc: 48.76 ng/ml



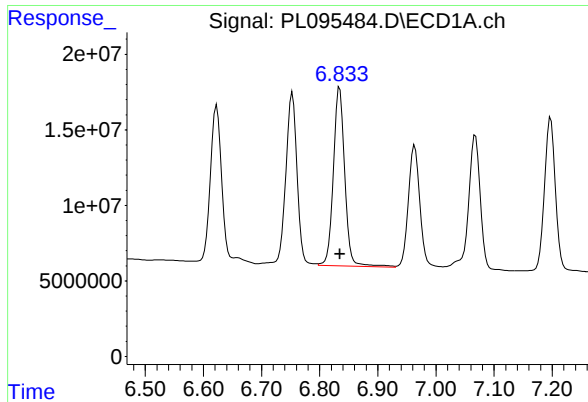
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 136270418
Conc: 42.79 ng/ml



#14 Endrin

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 157302399
Conc: 43.21 ng/ml



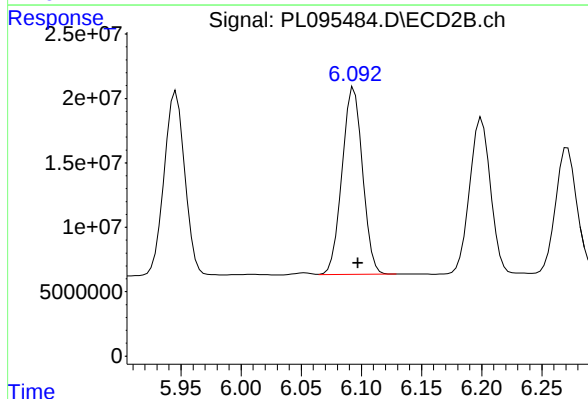
#15 Endosulfan II

R.T.: 6.834 min
Delta R.T.: 0.000 min
Response: 162205941
Conc: 50.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

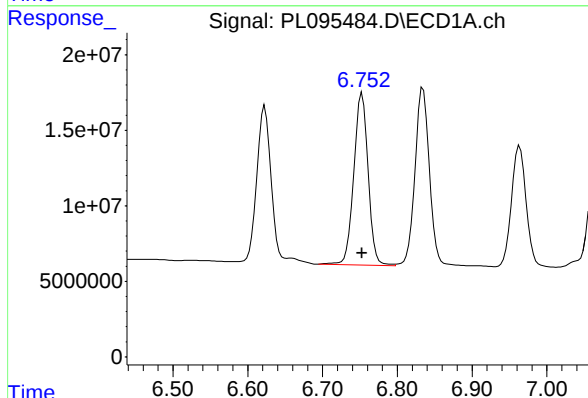
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



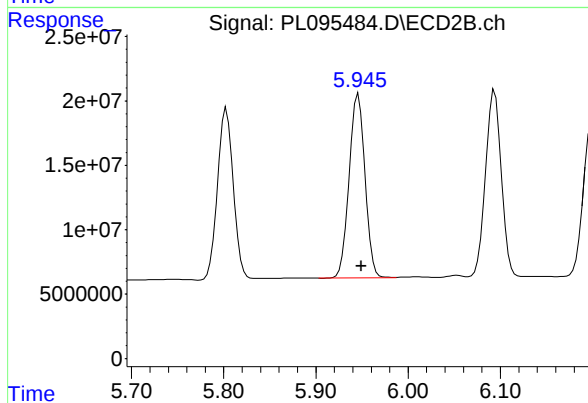
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172329700
Conc: 47.99 ng/ml



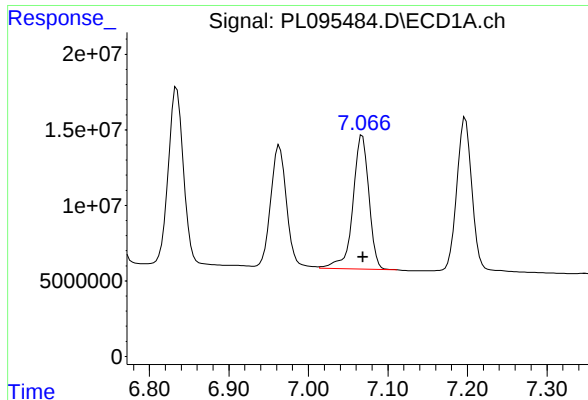
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 151750435
Conc: 53.60 ng/ml



#16 4,4'-DDD

R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 170702875
Conc: 52.25 ng/ml



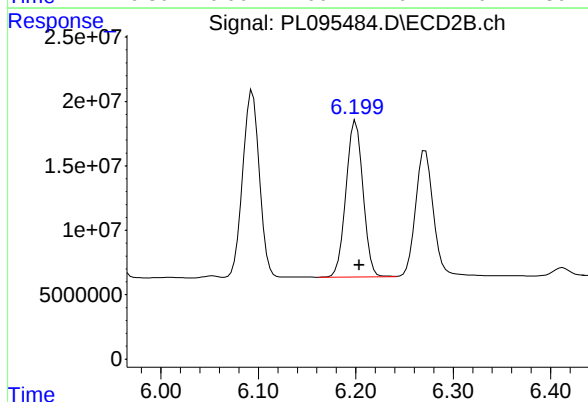
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 124004031
Conc: 43.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

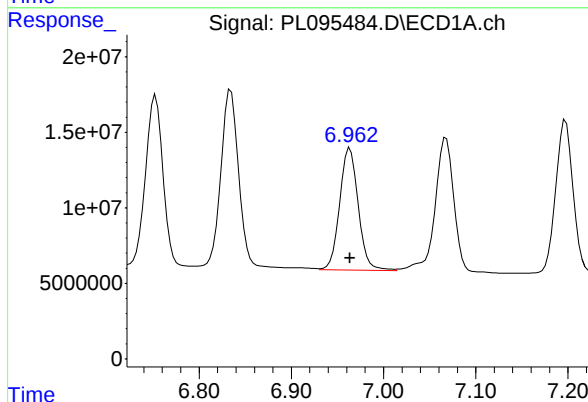
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



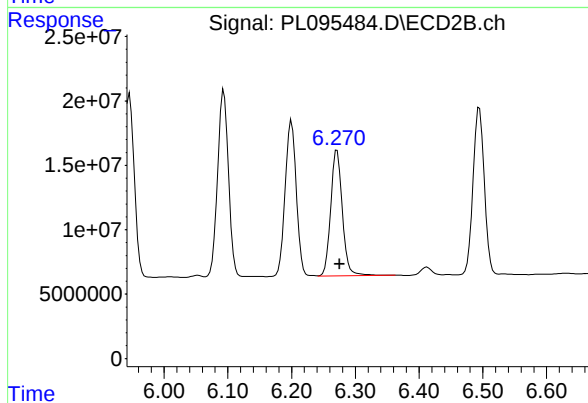
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 147037740
Conc: 42.79 ng/ml



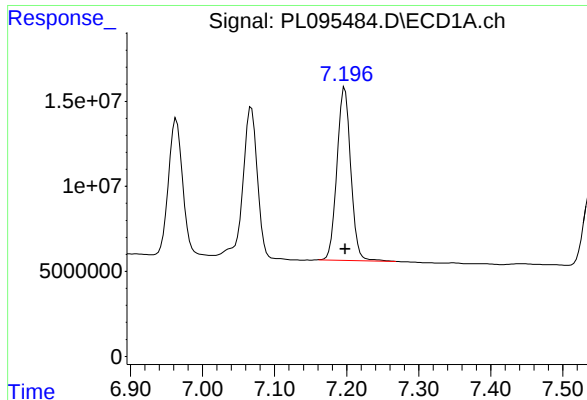
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 113078503
Conc: 48.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 124606844
Conc: 47.68 ng/ml



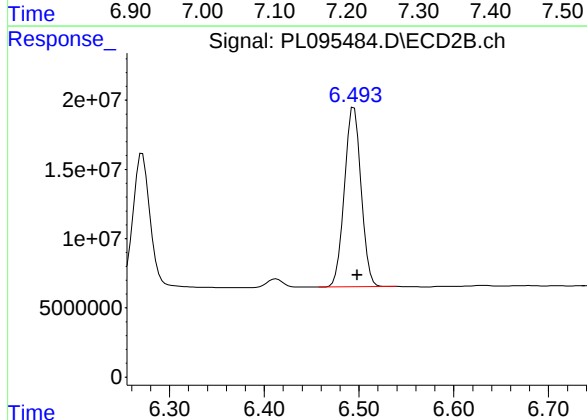
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 134083614
Conc: 47.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

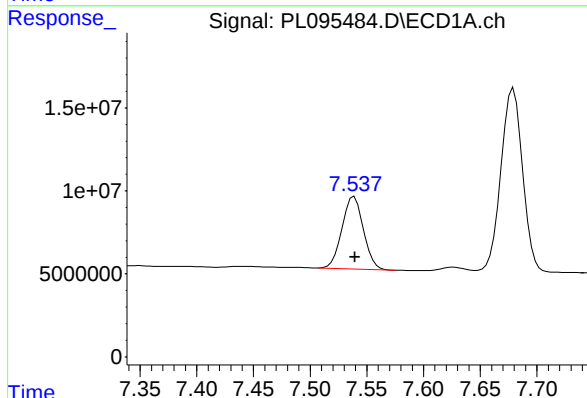
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



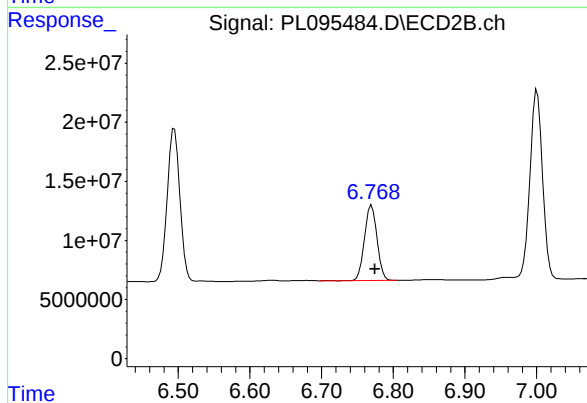
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.004 min
Response: 158621350
Conc: 47.81 ng/ml



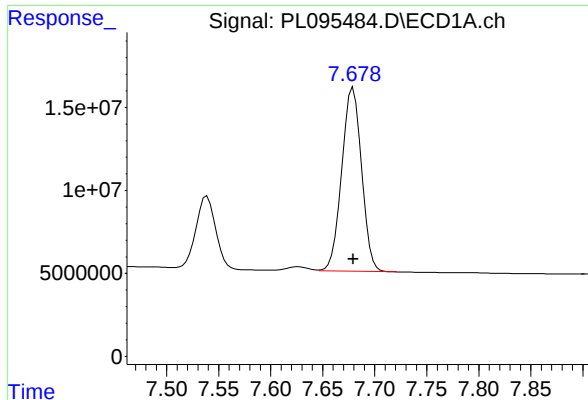
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 57135811
Conc: 40.95 ng/ml



#20 Methoxychlor

R.T.: 6.770 min
Delta R.T.: -0.005 min
Response: 77808827
Conc: 40.79 ng/ml



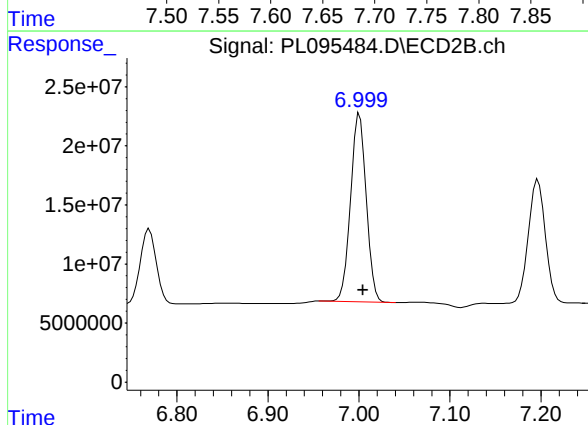
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 146780804
Conc: 51.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

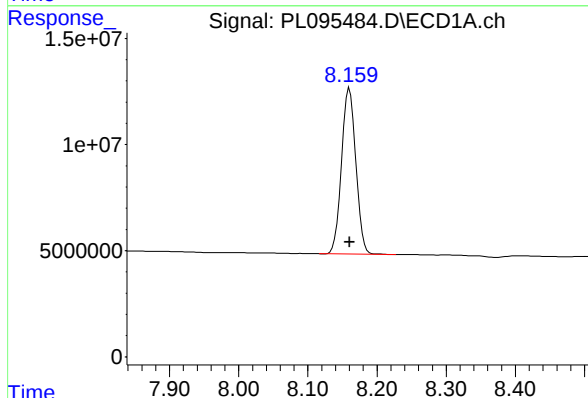
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



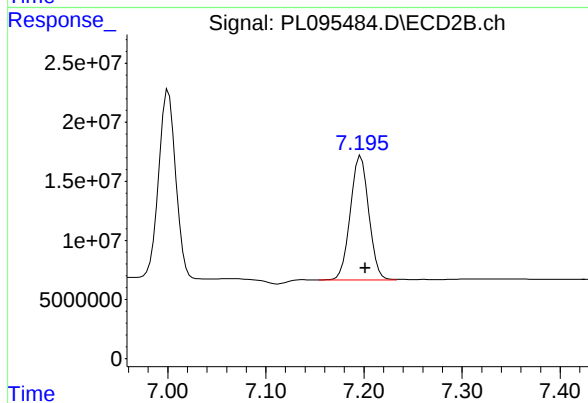
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 191486470
Conc: 54.38 ng/ml



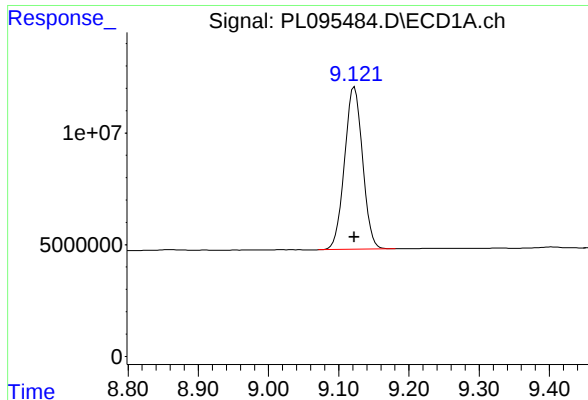
#22 Mirex

R.T.: 8.160 min
Delta R.T.: 0.000 min
Response: 112371445
Conc: 47.29 ng/ml



#22 Mirex

R.T.: 7.195 min
Delta R.T.: -0.006 min
Response: 137221916
Conc: 47.61 ng/ml m



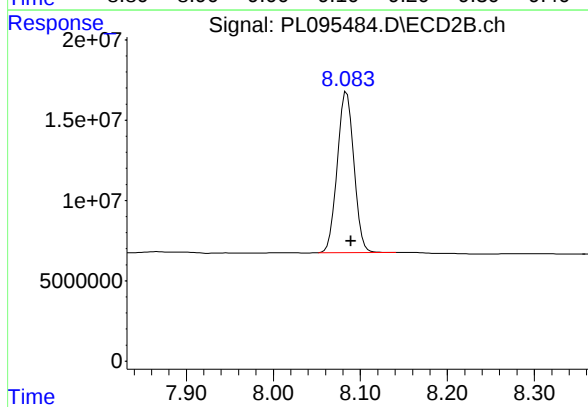
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 129649785
Conc: 46.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.005 min
Response: 133401202
Conc: 45.08 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1889** SAS No.: **Q1889** SDG NO.: **Q1889**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095327.D** Date Analyzed: **04/23/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.122	9.020	9.220	23.490	20.000	17.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.530	20.000	12.7
alpha-BHC	4.045	3.990	4.100	10.950	10.000	9.5
beta-BHC	4.563	4.510	4.610	10.960	10.000	9.6
gamma-BHC (Lindane)	4.375	4.320	4.430	11.240	10.000	12.4
Endrin	6.622	6.550	6.690	54.830	50.000	9.7
4,4'-DDT	7.067	7.000	7.140	112.580	100.000	12.6
Methoxychlor	7.538	7.470	7.610	265.190	250.000	6.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095327.D** Date Analyzed: **04/23/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.089	7.990	8.190	23.100	20.000	15.5
Tetrachloro-m-xylene	2.905	2.850	2.960	22.790	20.000	14.0
alpha-BHC	3.415	3.360	3.470	11.050	10.000	10.5
beta-BHC	4.042	3.990	4.090	11.540	10.000	15.4
gamma-BHC (Lindane)	3.748	3.700	3.800	11.100	10.000	11.0
Endrin	5.806	5.740	5.880	57.180	50.000	14.4
4,4'-DDT	6.203	6.130	6.270	115.980	100.000	16.0
Methoxychlor	6.774	6.700	6.840	253.560	250.000	1.4

Data File: PEM
 PL095327.D **Date Acquired** 4/23/2025 11:04
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	174620420	176432661.6	1812241.55	1.03
Endrin aldehyde	6.96	291372.367			
Endrin ketone	7.68	1520869.187			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	208180230.3	212099534	3919303.8	1.85
Endrin aldehyde #2	6.28	1927807.487			
Endrin ketone #2	7.00	1991496.309			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	320688920.6	321379935.9	691015.328	0.22
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	691015.328			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	398515431.8	399310772.3	795340.506	0.20
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	795340.506			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.905	73541125	72472220	22.526	22.792
28) SA Decachlor...	9.122	8.089	65094644	68362526	23.493	23.101
Target Compounds						
2) A alpha-BHC	4.045	3.415	54247618	49140358	10.951	11.046
3) MA gamma-BHC...	4.375	3.748	53220046	48800893	11.242m	11.096
6) B beta-BHC	4.563	4.042	22651669	23957368	10.956	11.541
14) MA Endrin	6.622	5.806	174.6E6	208.2E6	54.830	57.181
16) A 4,4'-DDD	6.747	5.947	691015	795341	0.244m	0.243m
17) MA 4,4'-DDT	7.067	6.203	320.7E6	398.5E6	112.579	115.976
18) B Endrin al...	6.964	6.276	291372	1927807	0.126m	0.738m#
20) A Methoxychlor	7.538	6.774	370.0E6	483.6E6	265.186	253.560
21) B Endrin ke...	7.676	7.001	1520869	1991496	0.533m	0.566m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

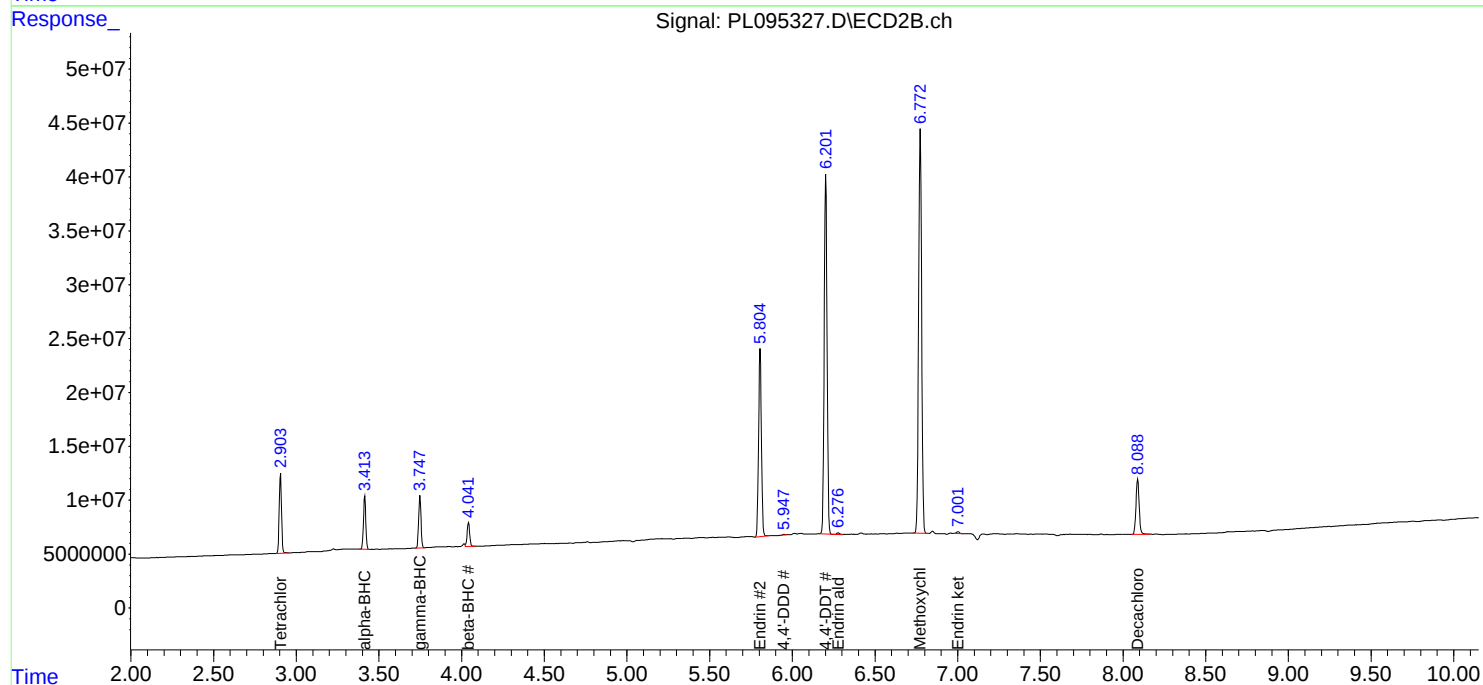
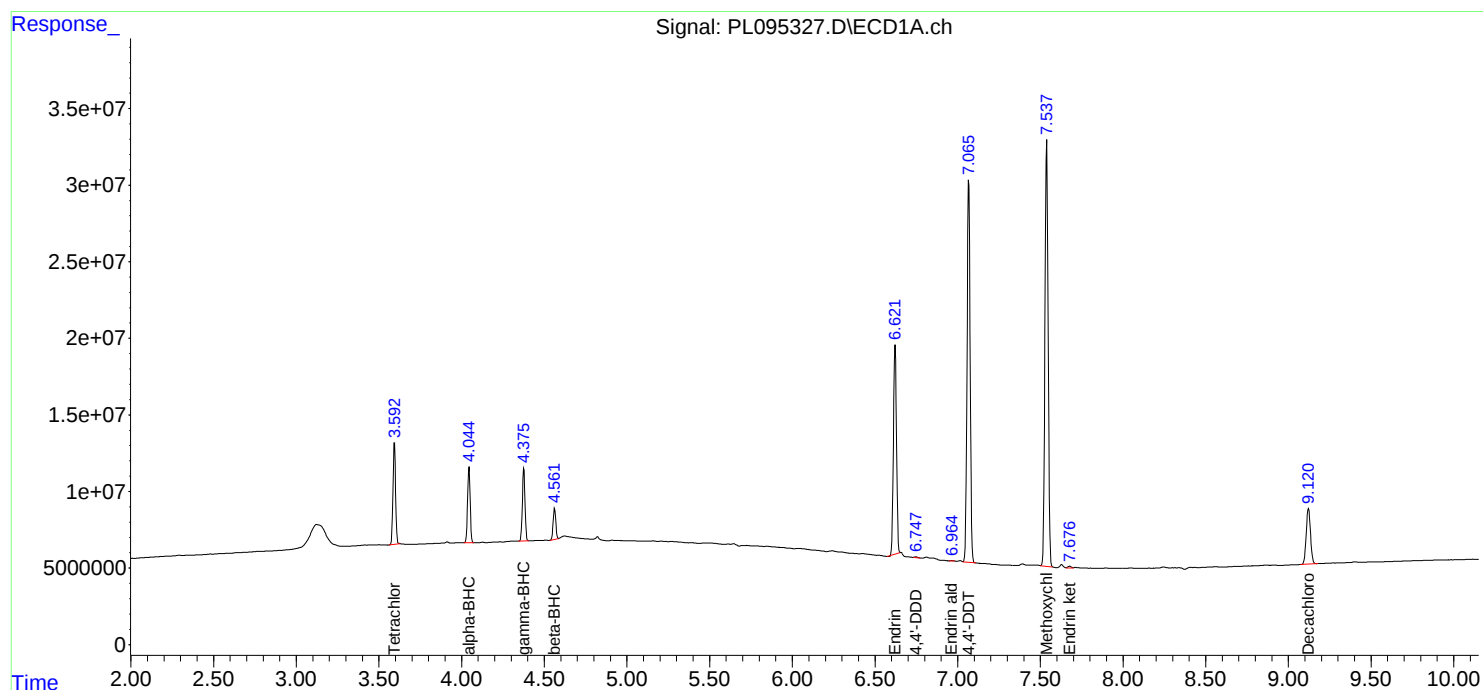
Instrument :
ECD_L
ClientSampleId :
PEM

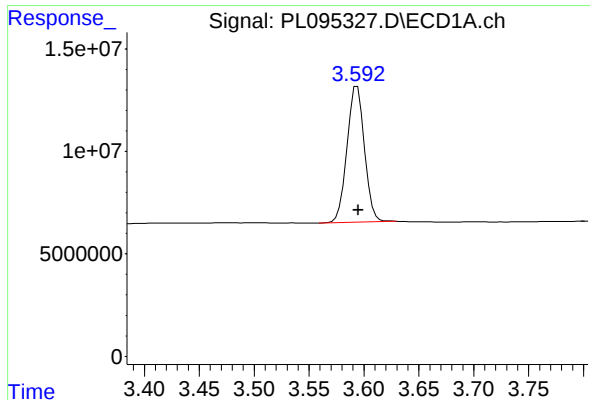
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/24/2025
Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





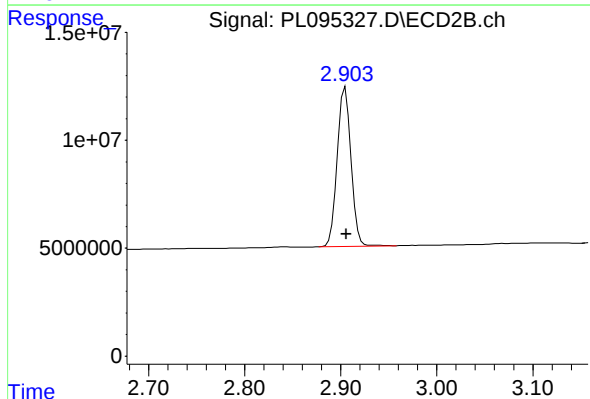
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 73541125
Conc: 22.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

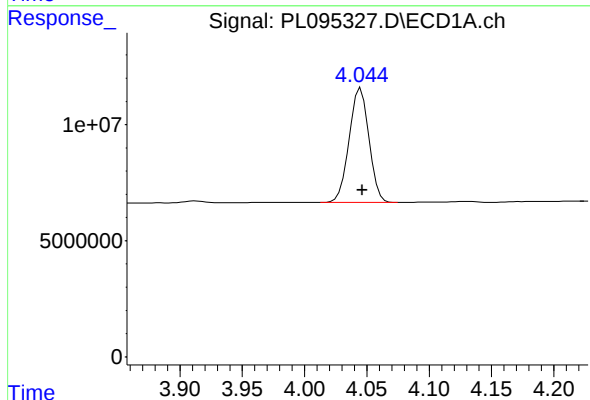
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



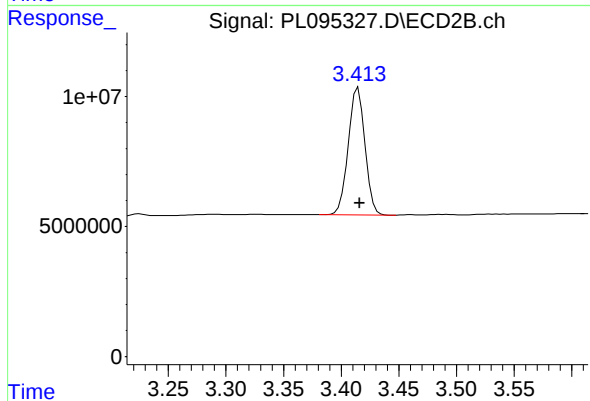
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 72472220
Conc: 22.79 ng/ml



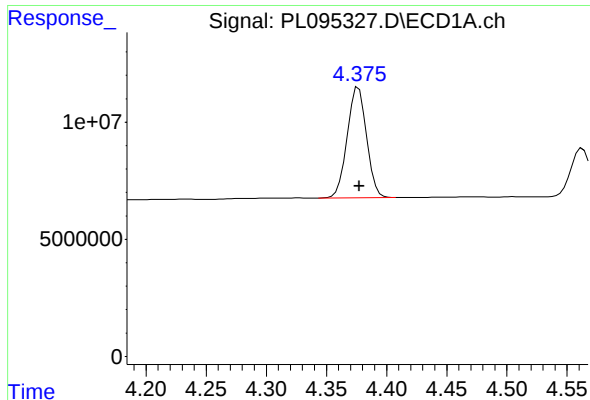
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 54247618
Conc: 10.95 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 49140358
Conc: 11.05 ng/ml



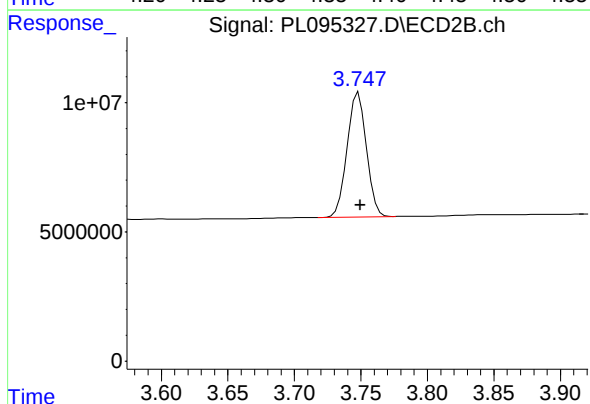
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 53220046
Conc: 11.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

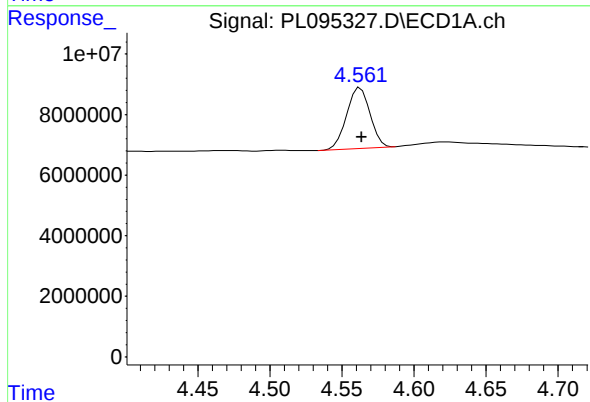
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



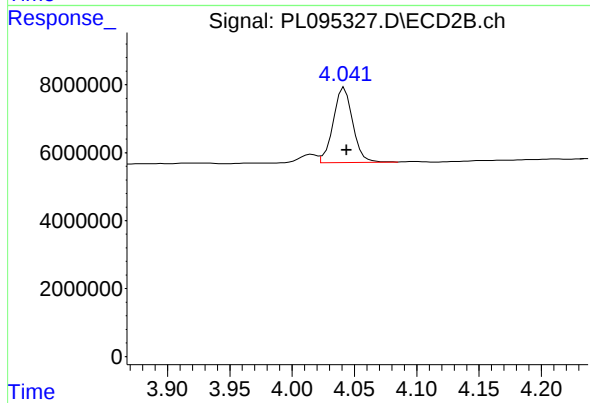
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 48800893
Conc: 11.10 ng/ml



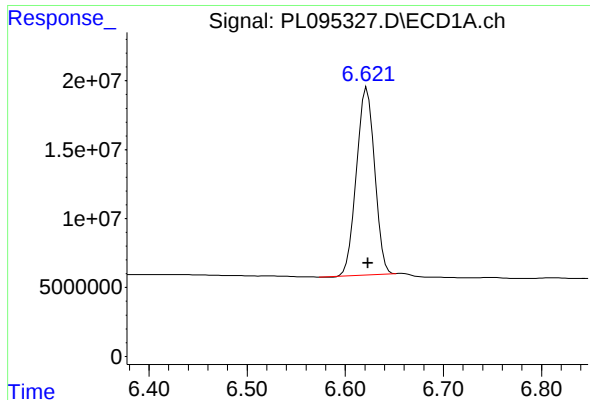
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 22651669
Conc: 10.96 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 23957368
Conc: 11.54 ng/ml



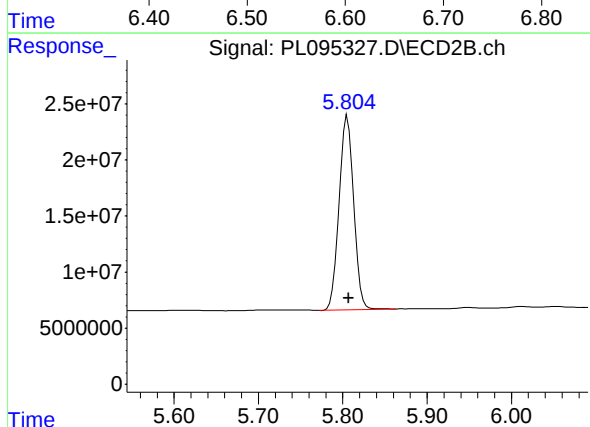
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 174620420
Conc: 54.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

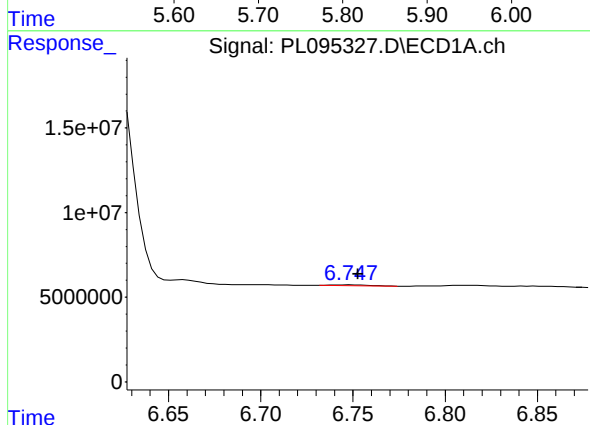
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



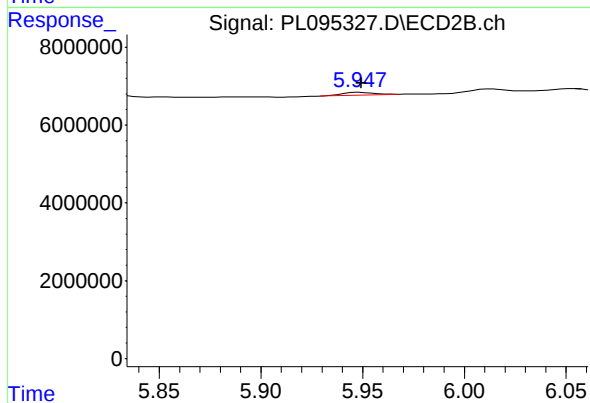
#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 208180230
Conc: 57.18 ng/ml



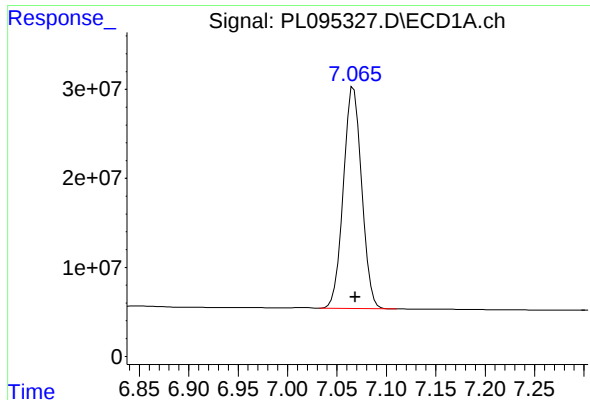
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 691015
Conc: 0.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 795341
Conc: 0.24 ng/ml m



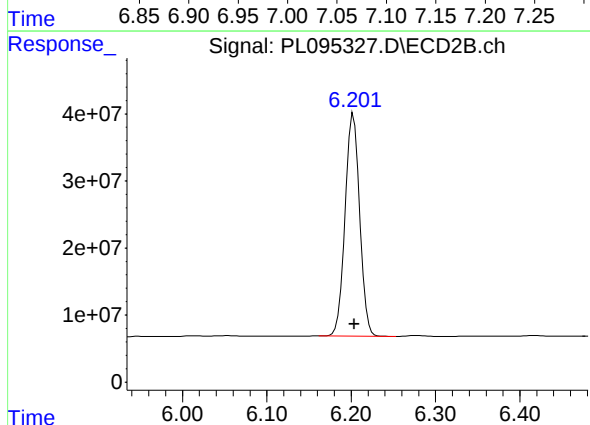
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: -0.002 min
Response: 320688921
Conc: 112.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

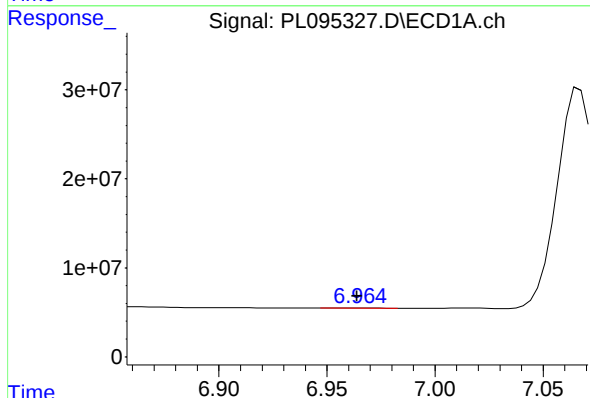
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



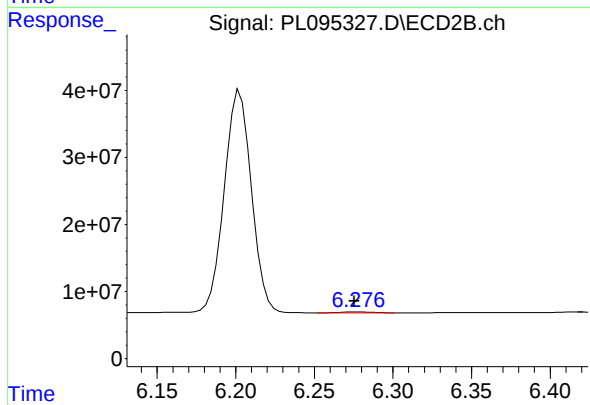
#17 4,4'-DDT

R.T.: 6.203 min
Delta R.T.: -0.001 min
Response: 398515432
Conc: 115.98 ng/ml



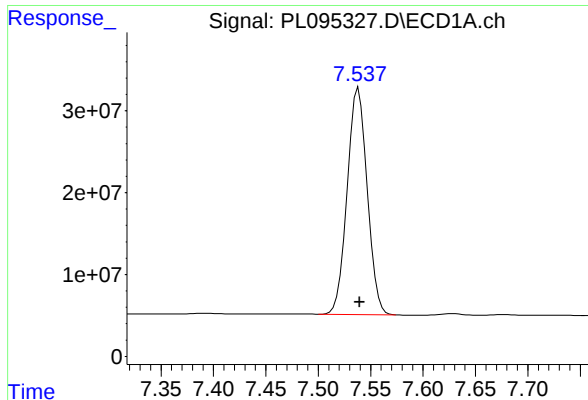
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 291372
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 1927807
Conc: 0.74 ng/ml m



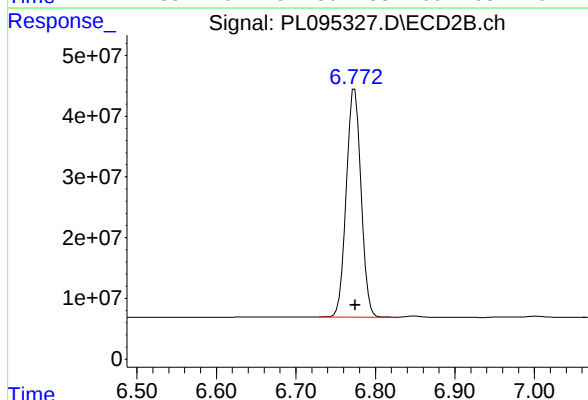
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.001 min
Response: 369969247
Conc: 265.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

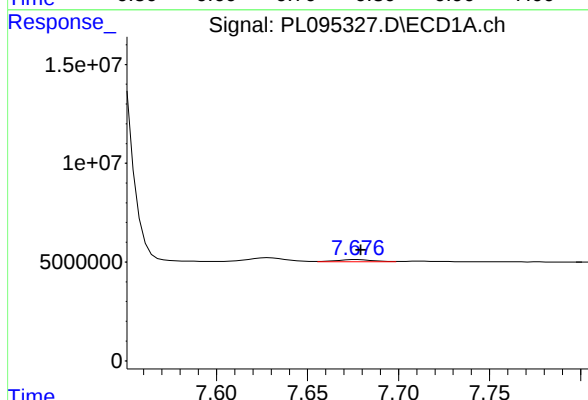
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



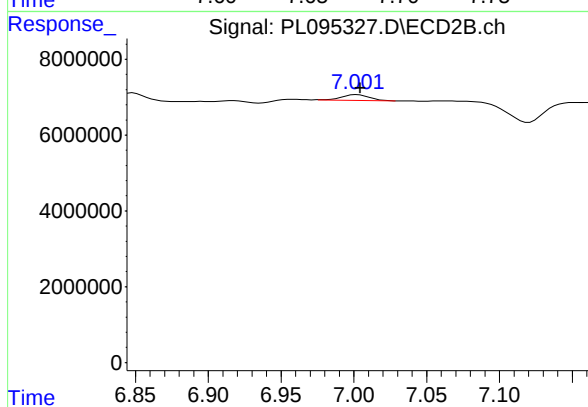
#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 483648088
Conc: 253.56 ng/ml



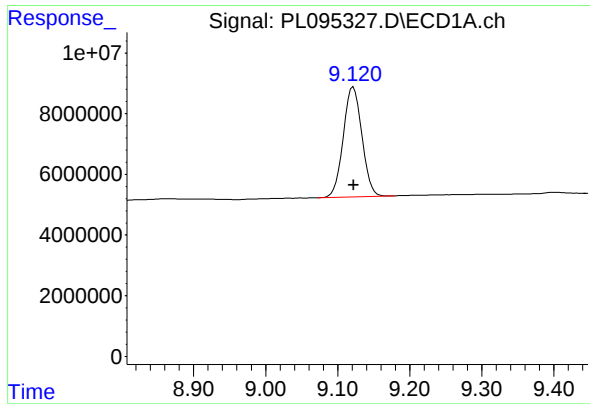
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 1520869
Conc: 0.53 ng/ml m



#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 1991496
Conc: 0.57 ng/ml m



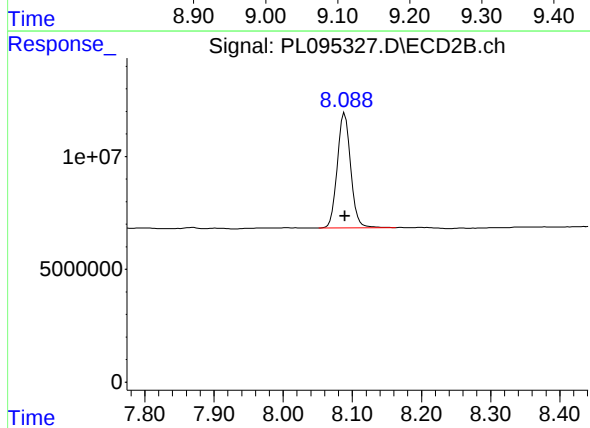
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 65094644
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 68362526
Conc: 23.10 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1889** SAS No.: **Q1889** SDG NO.: **Q1889**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095439.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:47**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.117	9.020	9.220	25.350	20.000	26.8
Tetrachloro-m-xylene	3.593	3.540	3.640	22.460	20.000	12.3
alpha-BHC	4.044	3.990	4.090	11.000	10.000	10.0
beta-BHC	4.561	4.510	4.610	11.190	10.000	11.9
gamma-BHC (Lindane)	4.373	4.320	4.420	11.270	10.000	12.7
Endrin	6.619	6.550	6.690	59.230	50.000	18.5
4,4'-DDT	7.065	6.990	7.140	117.390	100.000	17.4
Methoxychlor	7.536	7.470	7.610	269.500	250.000	7.8

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095439.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:47**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.083	7.980	8.180	24.580	20.000	22.9
Tetrachloro-m-xylene	2.904	2.850	2.950	21.560	20.000	7.8
alpha-BHC	3.413	3.360	3.460	10.690	10.000	6.9
beta-BHC	4.040	3.990	4.090	11.130	10.000	11.3
gamma-BHC (Lindane)	3.747	3.700	3.800	10.730	10.000	7.3
Endrin	5.801	5.730	5.870	51.780	50.000	3.6
4,4'-DDT	6.198	6.130	6.270	107.280	100.000	7.3
Methoxychlor	6.769	6.700	6.840	230.890	250.000	-7.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095439.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 15:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.904	73328793	68568704	22.461	21.564
28) SA Decachlor...	9.117	8.083	70253388	72725496	25.355	24.576
Target Compounds						
2) A alpha-BHC	4.044	3.413	54493818	47576174	11.001	10.694
3) MA gamma-BHC...	4.373	3.747	53354812	47186291	11.271m	10.728
6) B beta-BHC	4.561	4.040	23140770	23104520	11.193	11.130
14) MA Endrin	6.619	5.801	188.6E6	188.5E6	59.227	51.778
16) A 4,4'-DDD	6.747	5.944	12797611	11122240	4.521m	3.405
17) MA 4,4'-DDT	7.065	6.198	334.4E6	368.6E6	117.390	107.281
18) B Endrin al...	6.959	6.270	2168254	2888600	0.934m	1.105m
20) A Methoxychlor	7.536	6.769	376.0E6	440.4E6	269.500	230.892
21) B Endrin ke...	7.674	6.998	7348526	8581872	2.578	2.437

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

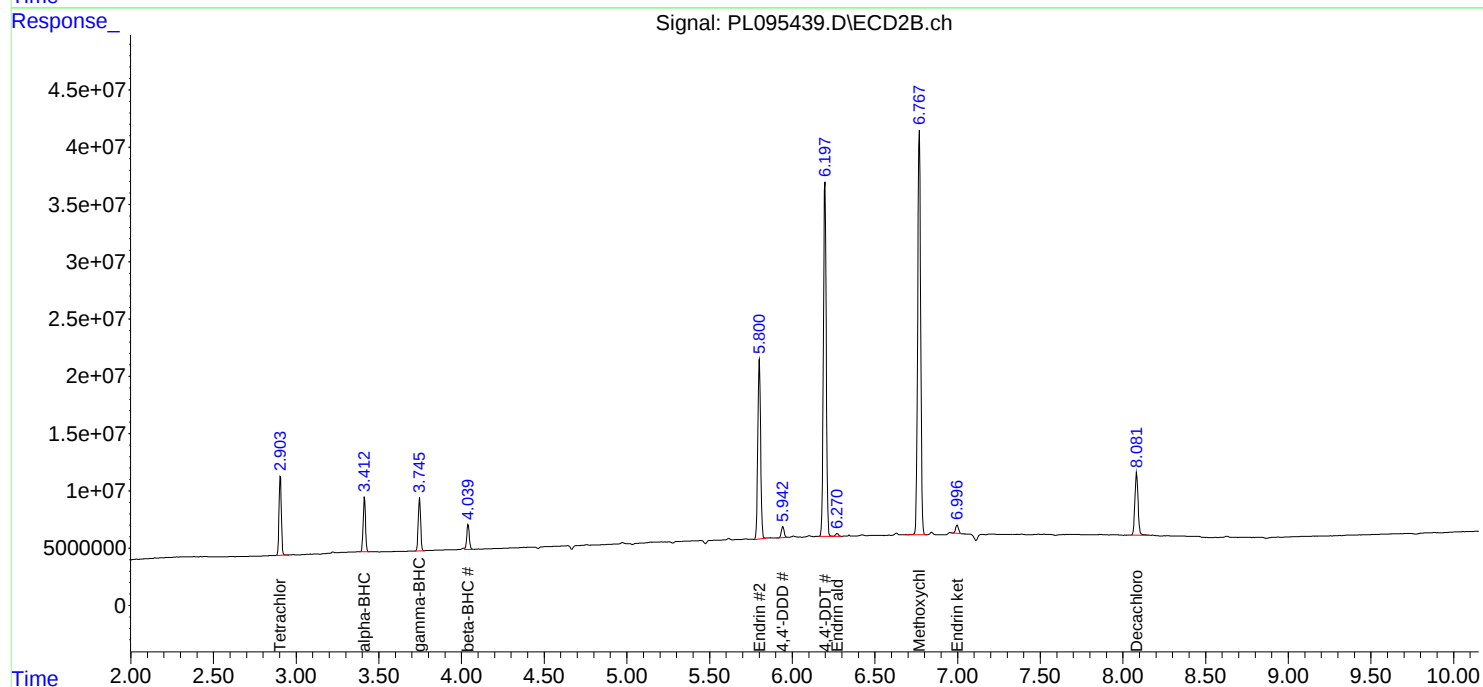
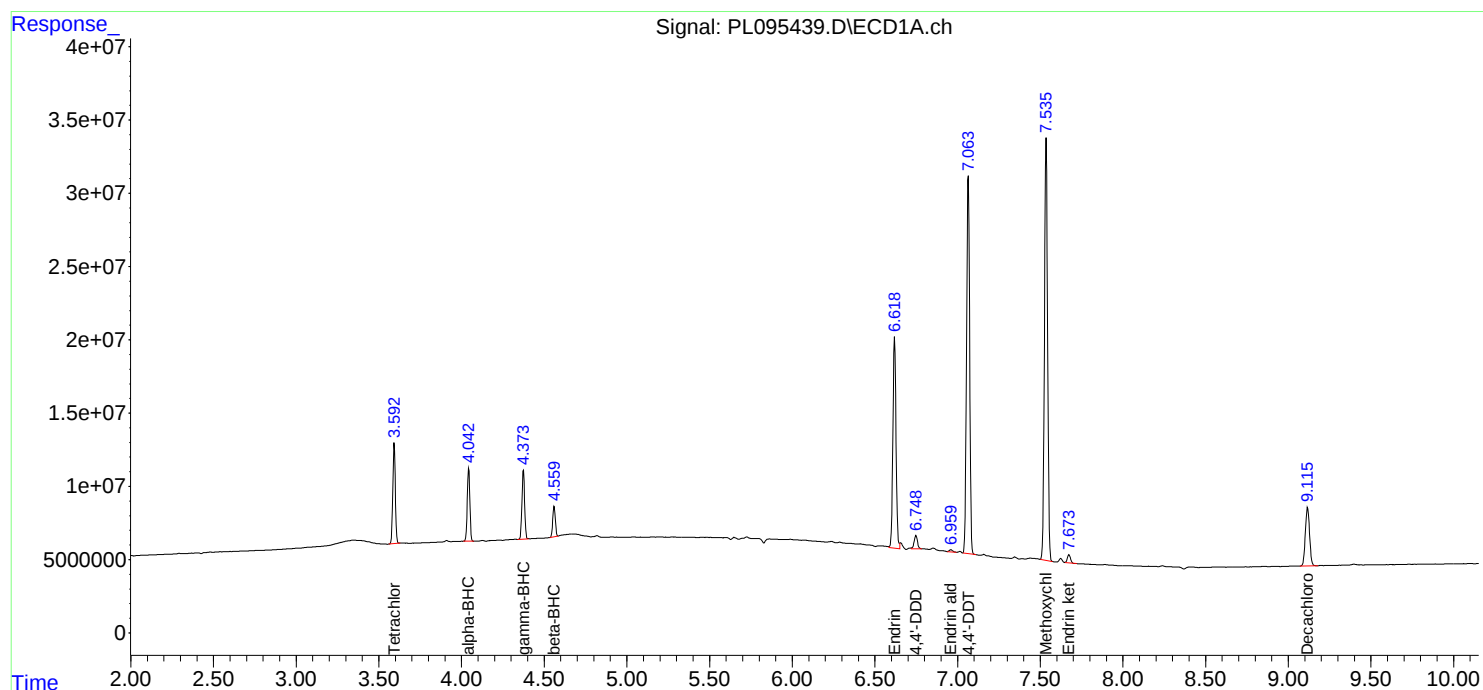
Instrument :
ECD_L
ClientSampleId :
PEM

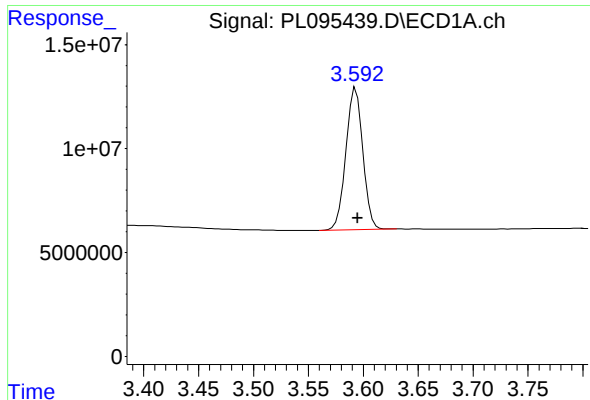
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/29/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





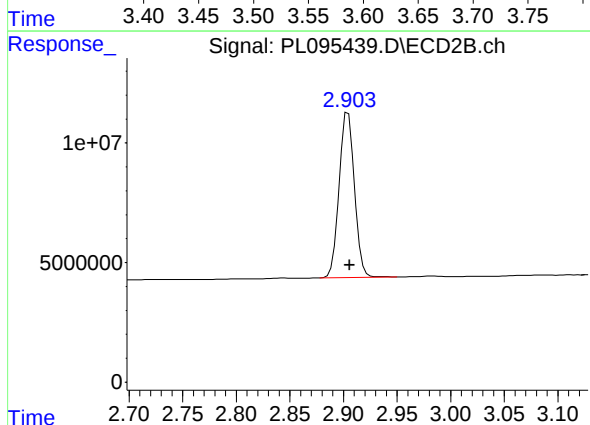
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 73328793
Conc: 22.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

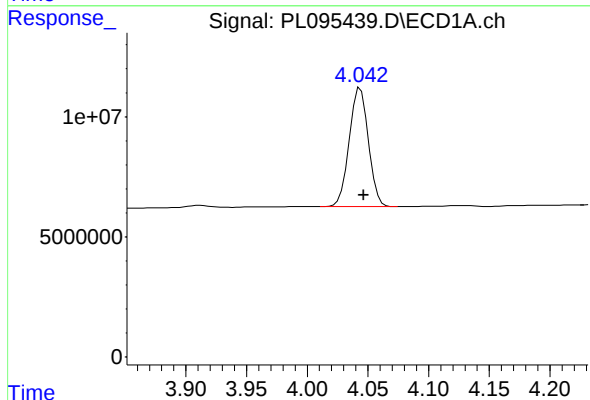
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



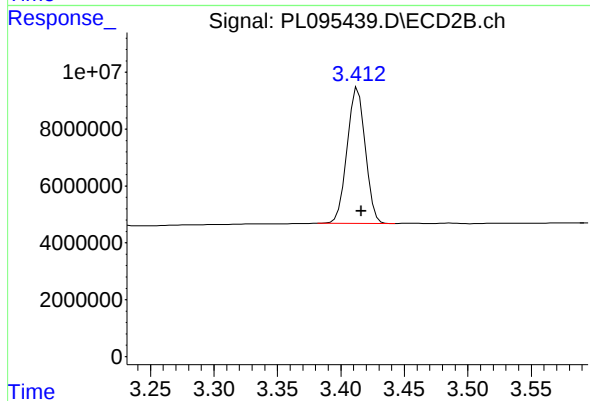
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 68568704
Conc: 21.56 ng/ml



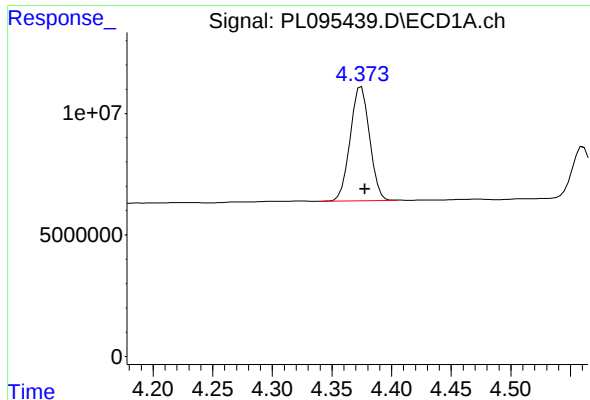
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 54493818
Conc: 11.00 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 47576174
Conc: 10.69 ng/ml



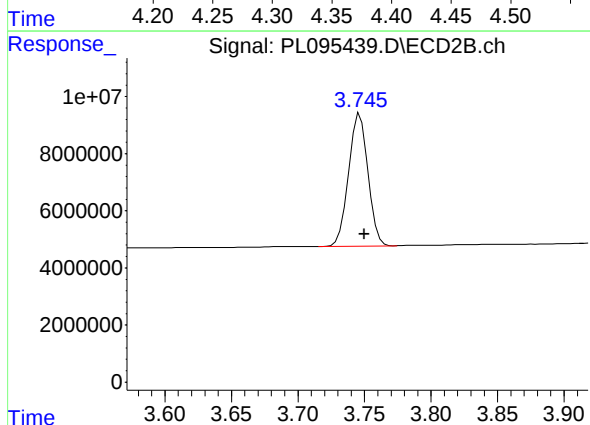
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 53354812
Conc: 11.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

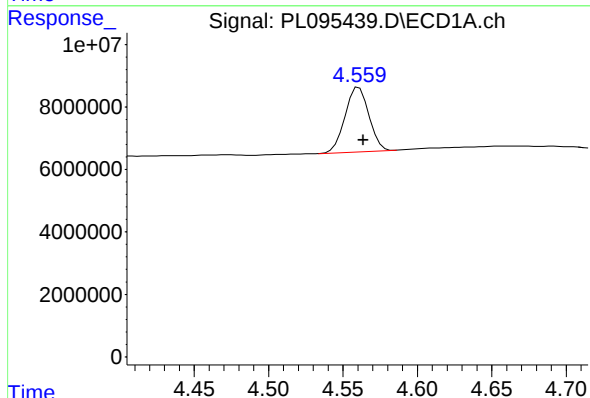
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



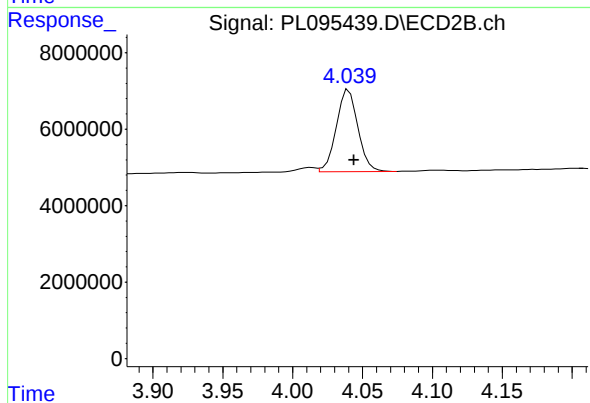
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47186291
Conc: 10.73 ng/ml



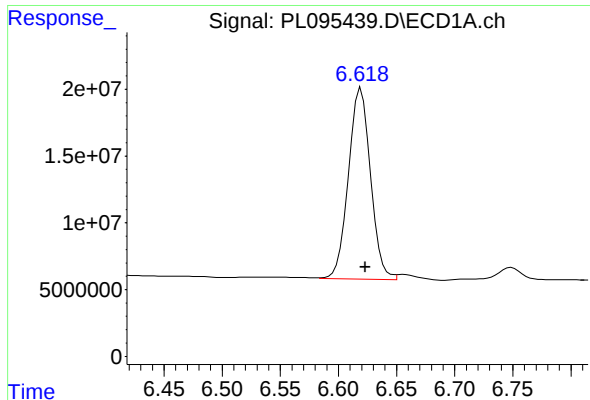
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.003 min
Response: 23140770
Conc: 11.19 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 23104520
Conc: 11.13 ng/ml



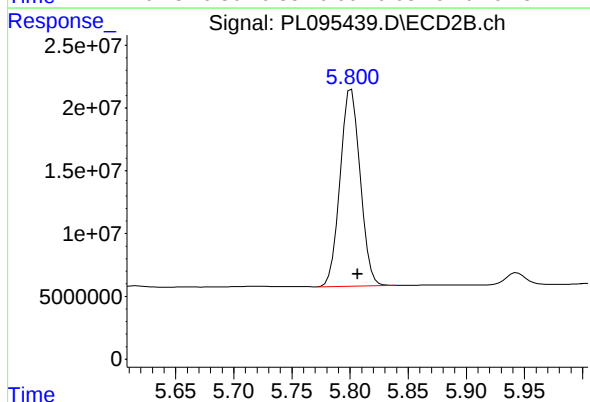
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 188623186
Conc: 59.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

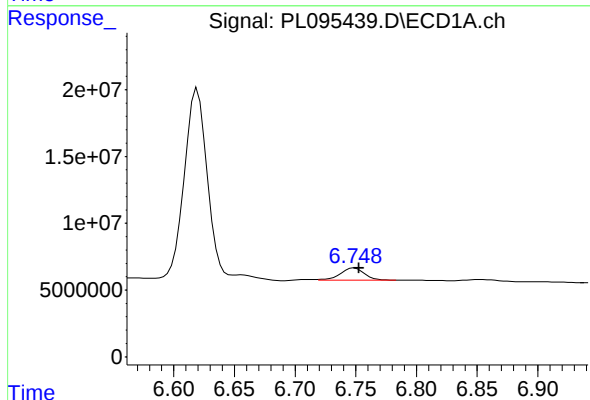
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



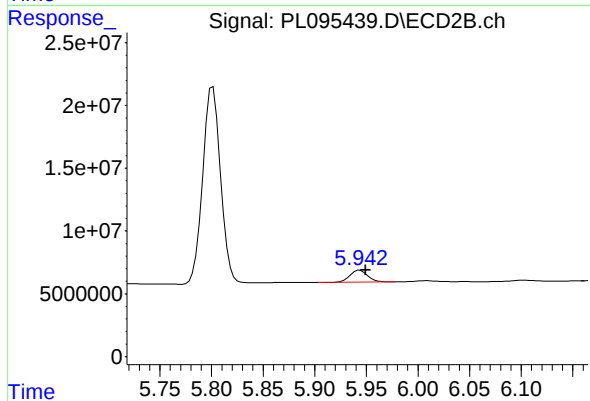
#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.005 min
Response: 188510661
Conc: 51.78 ng/ml



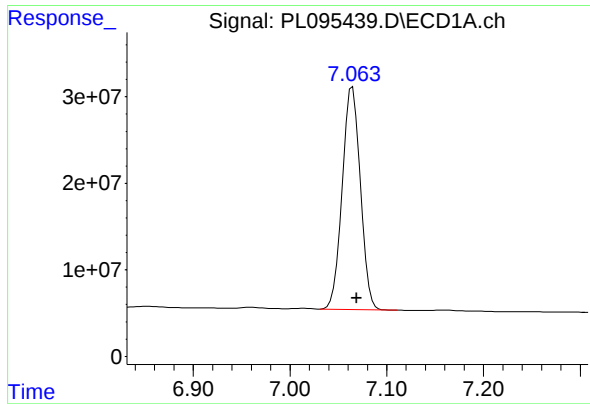
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 12797611
Conc: 4.52 ng/ml m



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 11122240
Conc: 3.40 ng/ml



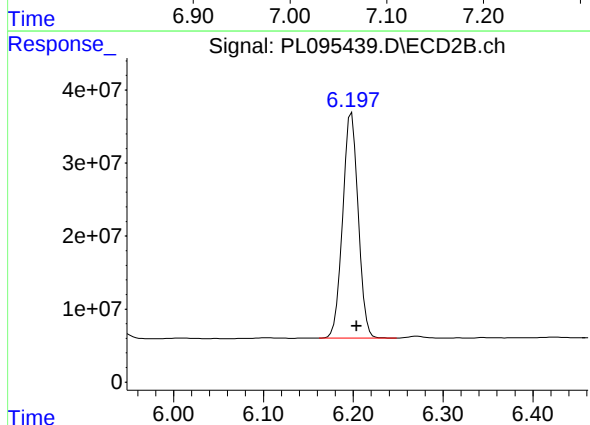
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 334394455
Conc: 117.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

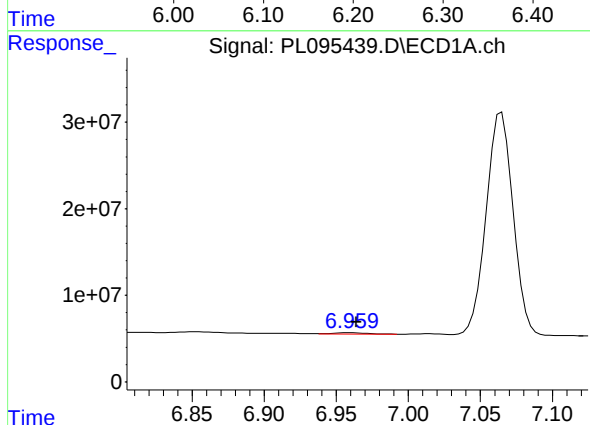
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



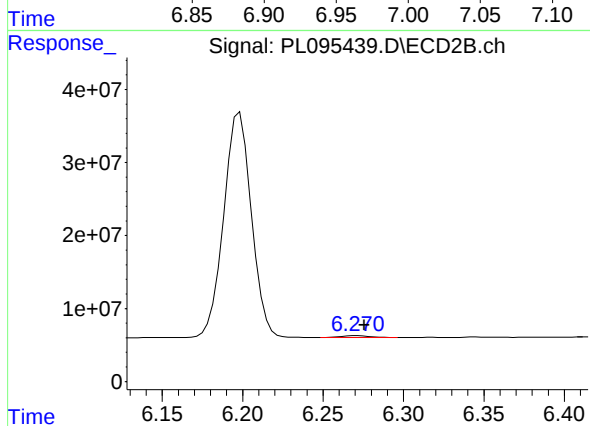
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 368637048
Conc: 107.28 ng/ml



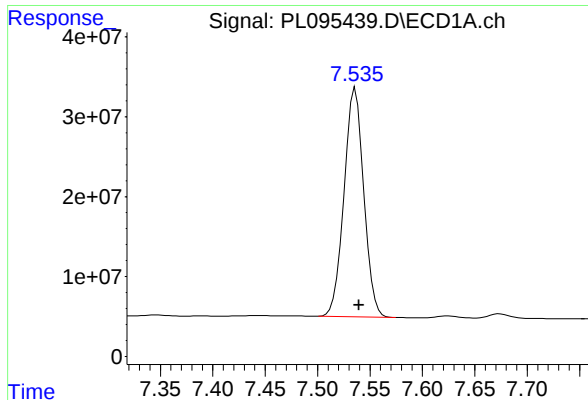
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 2168254
Conc: 0.93 ng/ml m



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 2888600
Conc: 1.11 ng/ml m



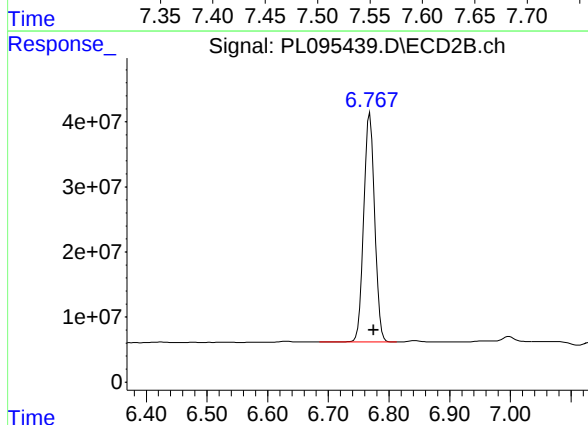
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 375987716
Conc: 269.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

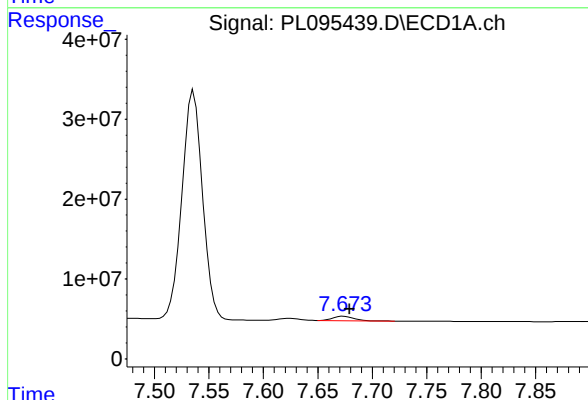
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



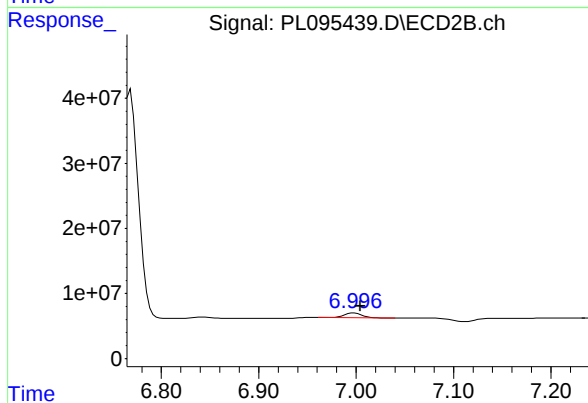
#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 440409813
Conc: 230.89 ng/ml



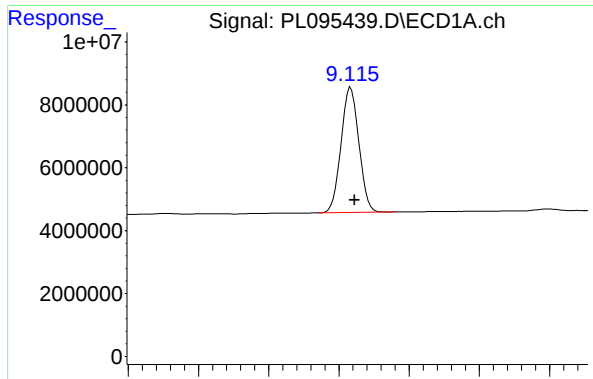
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 7348526
Conc: 2.58 ng/ml



#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.007 min
Response: 8581872
Conc: 2.44 ng/ml



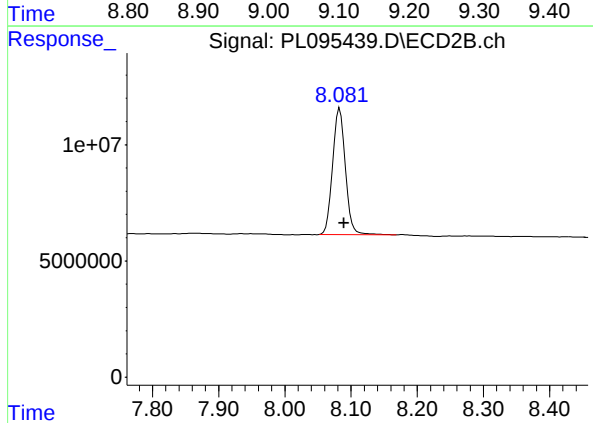
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.006 min
Response: 70253388
Conc: 25.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 72725496
Conc: 24.58 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1889** SAS No.: **Q1889** SDG NO.: **Q1889**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095474.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:38**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.118	9.020	9.220	25.490	20.000	27.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.620	20.000	13.1
alpha-BHC	4.044	3.990	4.090	11.130	10.000	11.3
beta-BHC	4.562	4.510	4.610	11.240	10.000	12.4
gamma-BHC (Lindane)	4.375	4.320	4.430	11.360	10.000	13.6
Endrin	6.621	6.550	6.690	56.870	50.000	13.7
4,4'-DDT	7.066	7.000	7.140	112.730	100.000	12.7
Methoxychlor	7.537	7.470	7.610	257.830	250.000	3.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095474.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:38**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.082	7.980	8.180	24.570	20.000	22.9
Tetrachloro-m-xylene	2.904	2.850	2.950	21.880	20.000	9.4
alpha-BHC	3.413	3.360	3.460	11.020	10.000	10.2
beta-BHC	4.039	3.990	4.090	10.820	10.000	8.2
gamma-BHC (Lindane)	3.747	3.700	3.800	10.810	10.000	8.1
Endrin	5.802	5.730	5.870	51.110	50.000	2.2
4,4'-DDT	6.198	6.130	6.270	104.140	100.000	4.1
Methoxychlor	6.769	6.700	6.840	224.730	250.000	-10.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 12:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:55:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.904	73847433	69558881	22.620	21.876
28)	SA Decachlor...	9.118	8.082	70631713	72706466	25.491	24.569
Target Compounds							
2)	A alpha-BHC	4.044	3.413	55114385	49020442	11.126	11.019
3)	MA gamma-BHC...	4.375	3.747	53756465	47560250	11.355m	10.814
6)	B beta-BHC	4.562	4.039	23240504	22470307	11.241	10.825m
14)	MA Endrin	6.621	5.802	181.1E6	186.1E6	56.870	51.115
16)	A 4,4'-DDD	6.751	5.944	20758534	19012875	7.333	5.820
17)	MA 4,4'-DDT	7.066	6.198	321.1E6	357.8E6	112.732	104.137
18)	B Endrin al...	6.960	6.270	2365095	3841643	1.019m	1.470m#
20)	A Methoxychlor	7.537	6.769	359.7E6	428.6E6	257.826	224.726
21)	B Endrin ke...	7.676	6.999	10695513	13075829	3.752	3.713

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

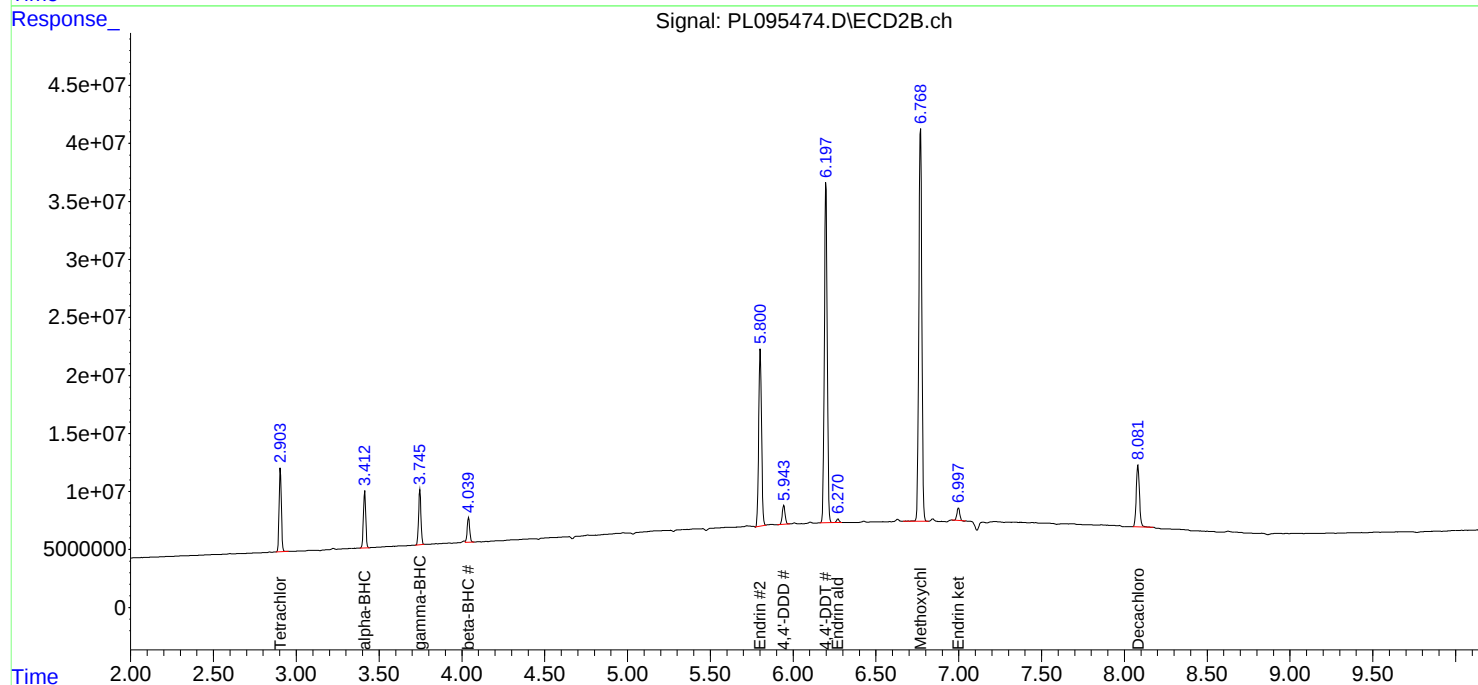
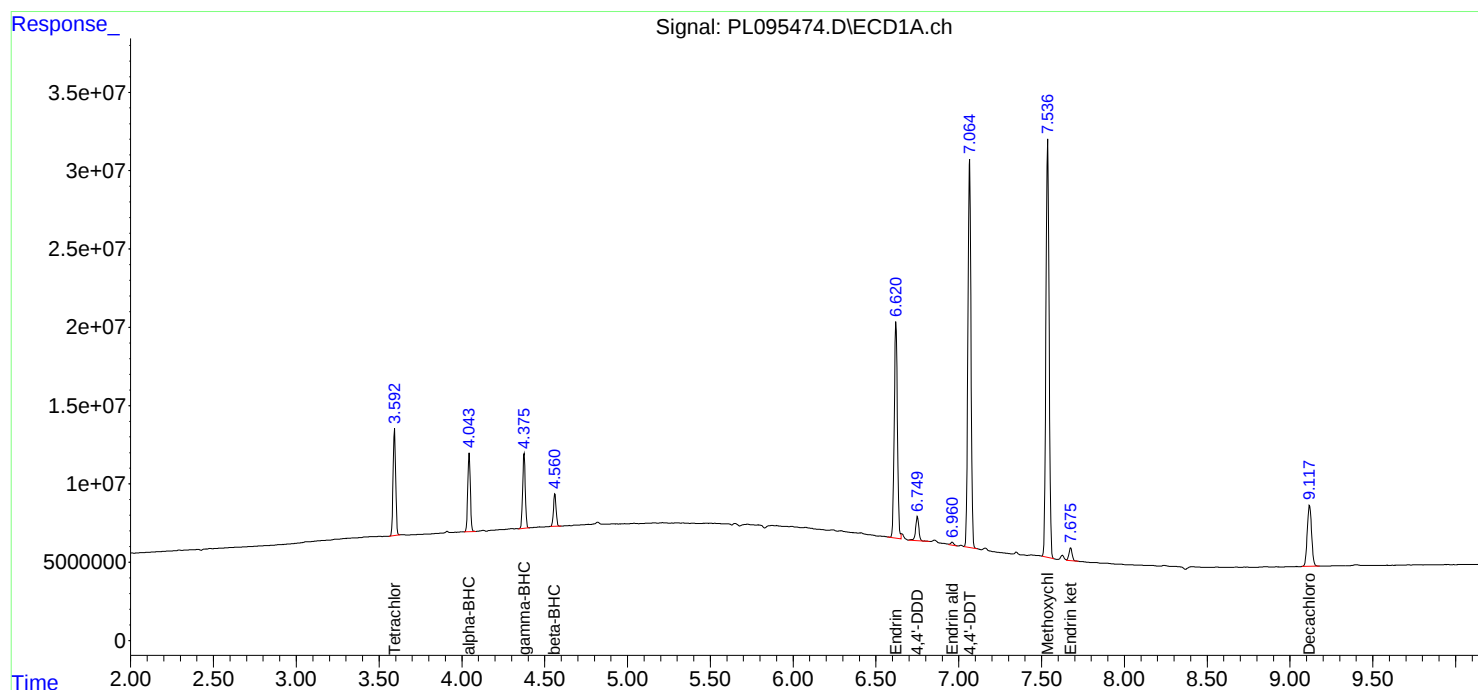
Instrument :
ECD_L
ClientSampleId :
PEM

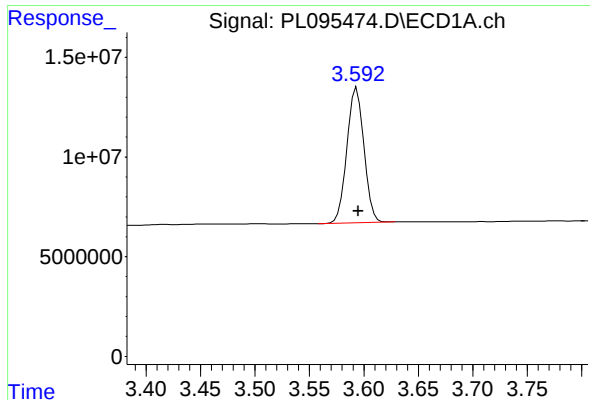
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/30/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





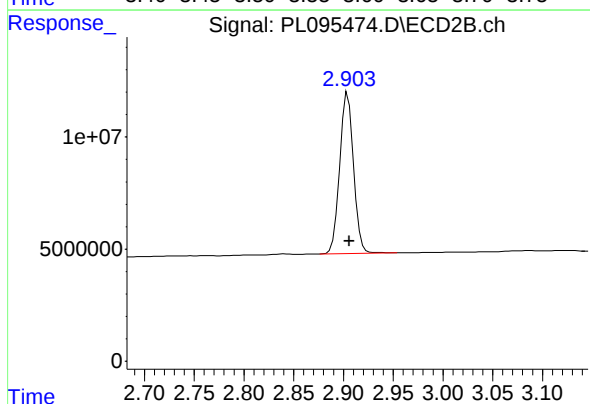
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.002 min
Response: 73847433
Conc: 22.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

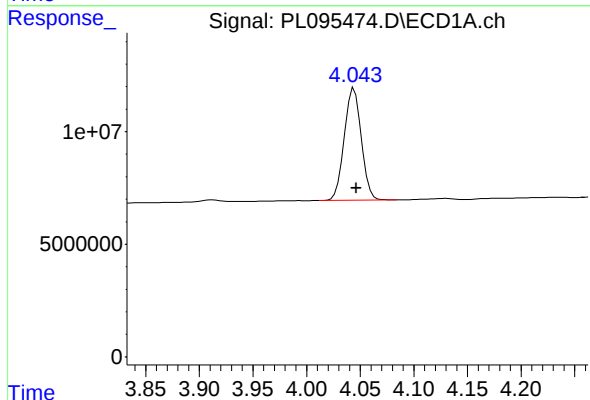
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



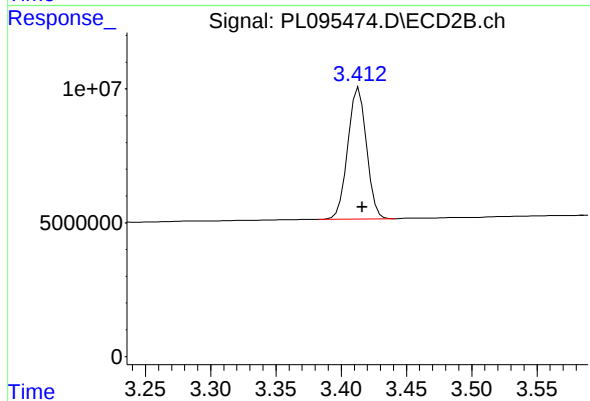
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 69558881
Conc: 21.88 ng/ml



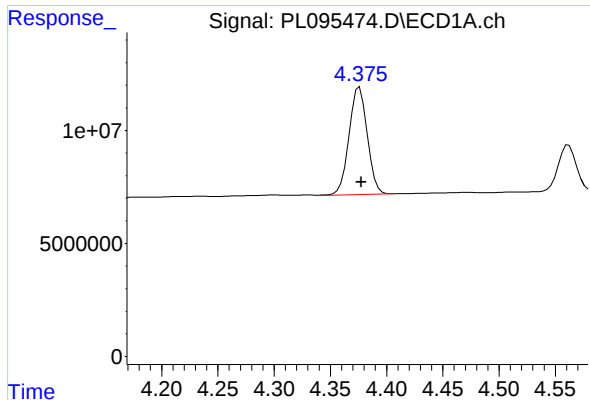
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 55114385
Conc: 11.13 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 49020442
Conc: 11.02 ng/ml



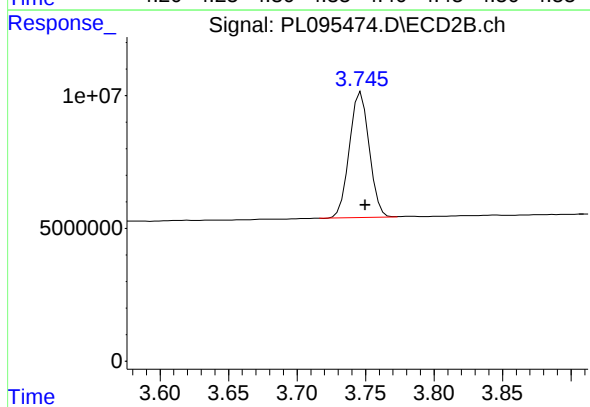
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 53756465
Conc: 11.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

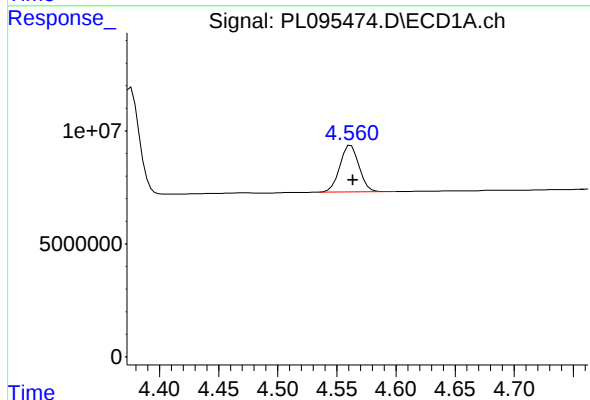
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



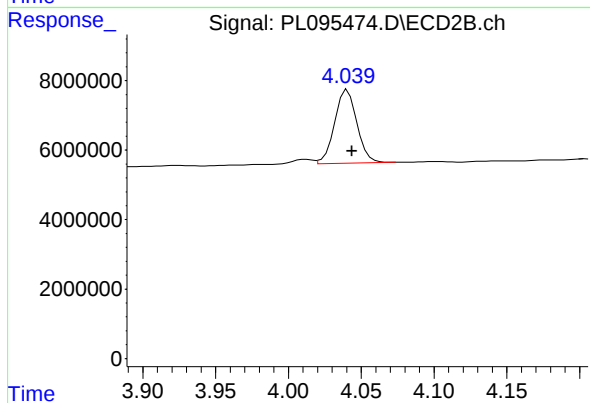
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47560250
Conc: 10.81 ng/ml



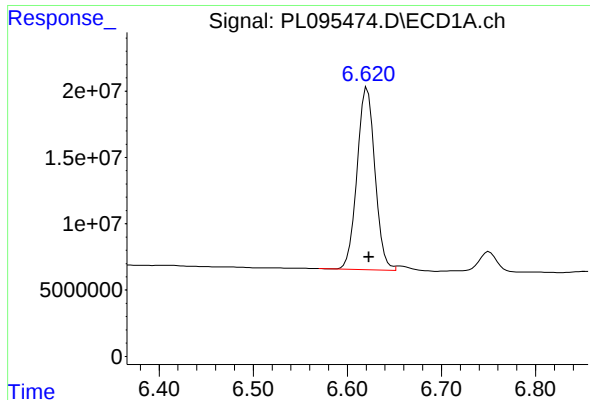
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 23240504
Conc: 11.24 ng/ml



#6 beta-BHC

R.T.: 4.039 min
Delta R.T.: -0.005 min
Response: 22470307
Conc: 10.82 ng/ml m



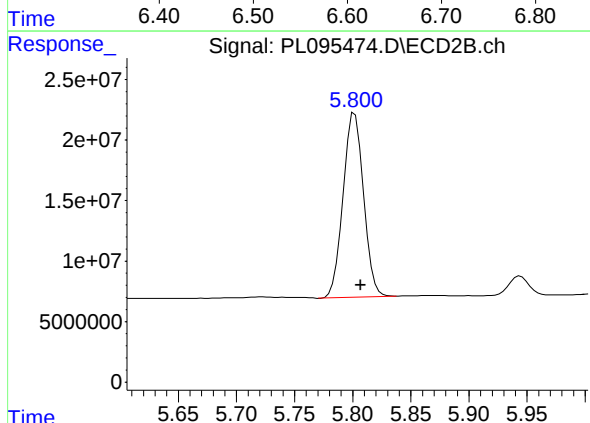
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 181116157
Conc: 56.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

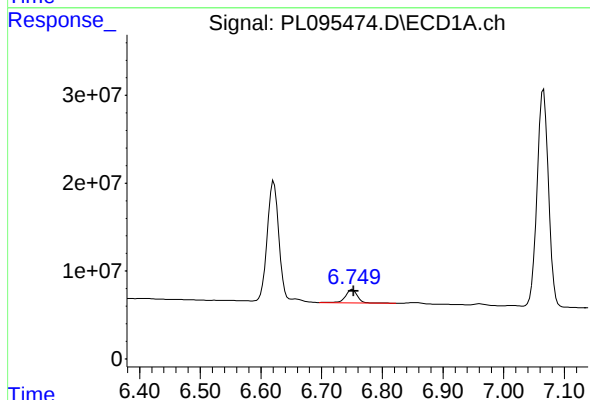
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



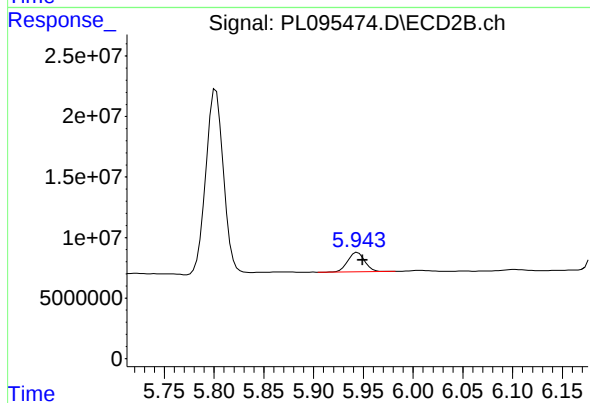
#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 186094708
Conc: 51.11 ng/ml



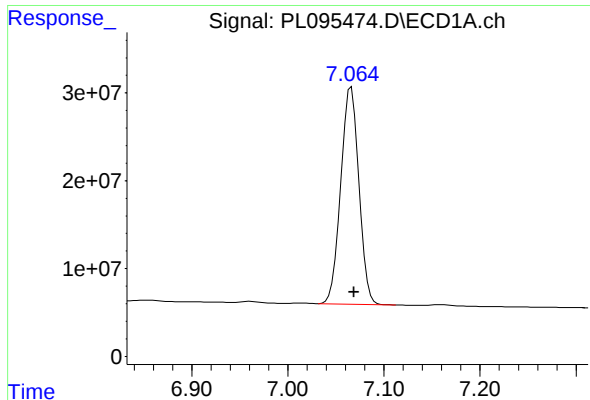
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 20758534
Conc: 7.33 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.005 min
Response: 19012875
Conc: 5.82 ng/ml



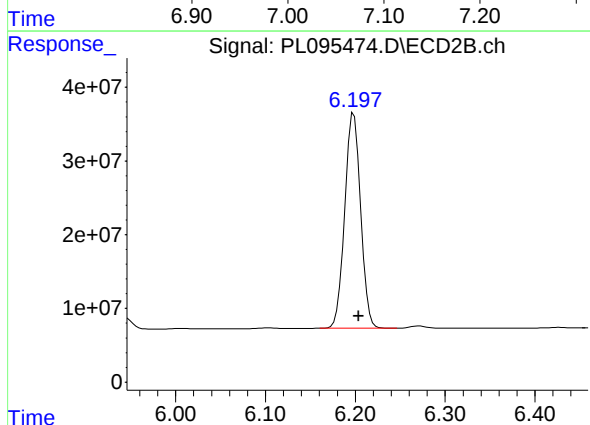
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 321126306
Conc: 112.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

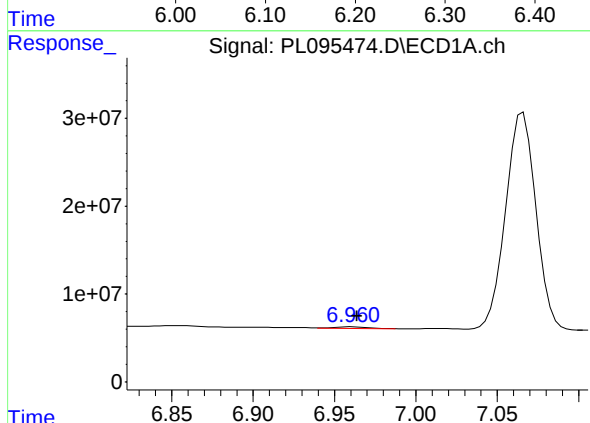
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



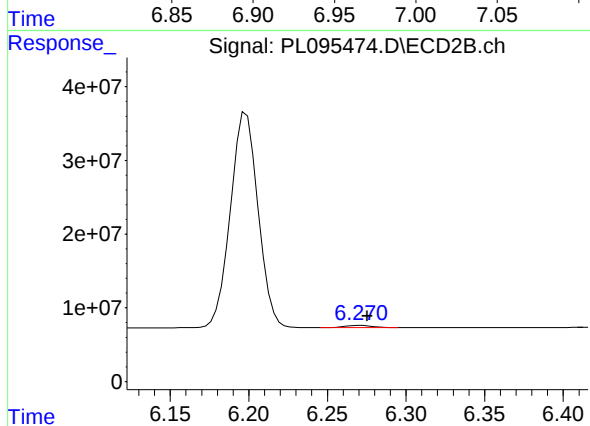
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 357832572
Conc: 104.14 ng/ml



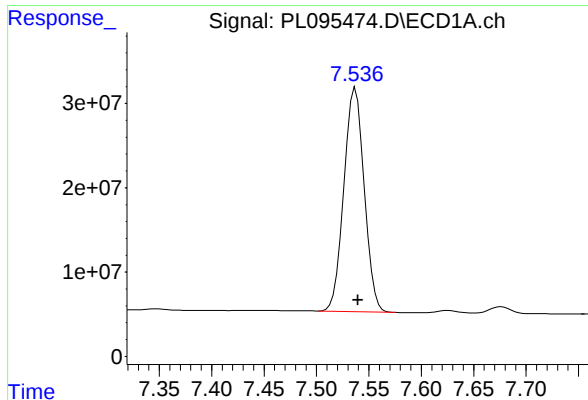
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 2365095
Conc: 1.02 ng/ml m



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 3841643
Conc: 1.47 ng/ml m



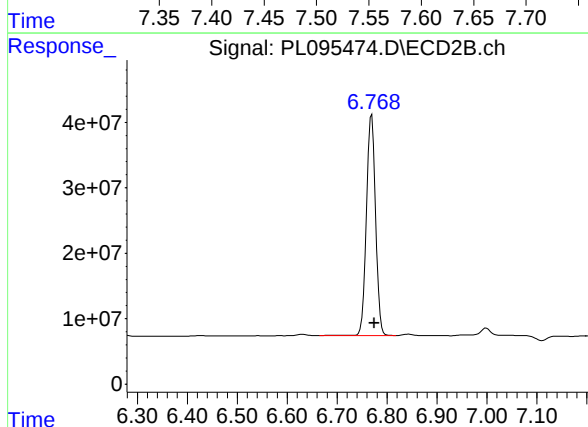
#20 Methoxychlor

R.T.: 7.537 min
Delta R.T.: -0.002 min
Response: 359700476
Conc: 257.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

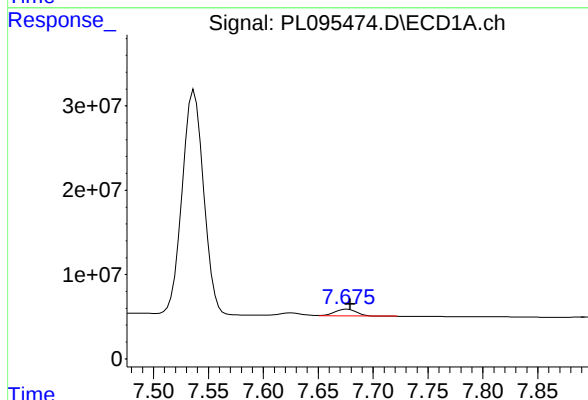
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



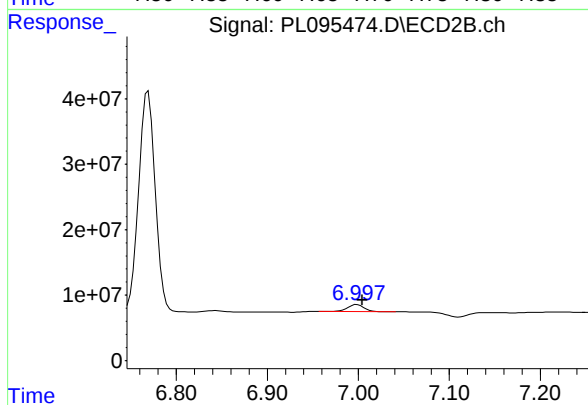
#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 428648212
Conc: 224.73 ng/ml



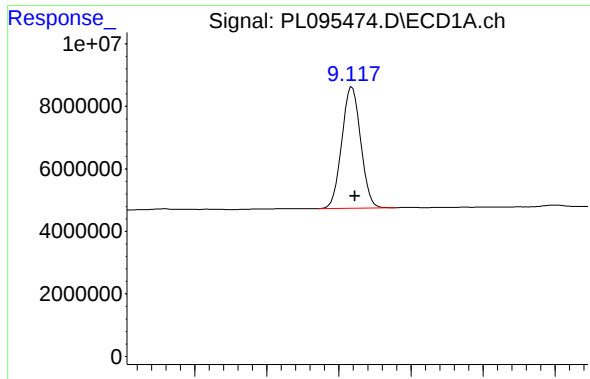
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 10695513
Conc: 3.75 ng/ml



#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 13075829
Conc: 3.71 ng/ml



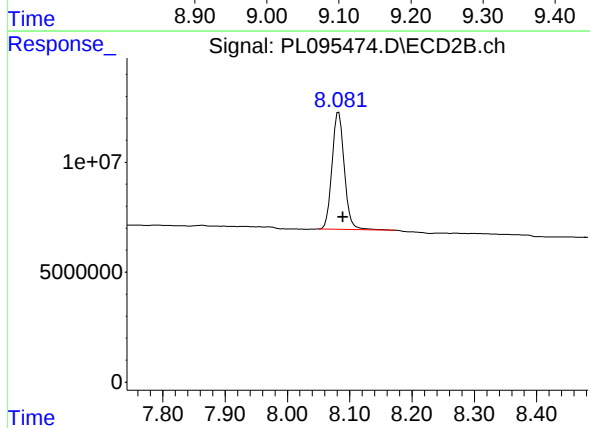
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 70631713
Conc: 25.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 72706466
Conc: 24.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Acq On : 23 Apr 2025 11:18
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\PL042325.M
Title : GC Extractables
Last Update : Wed Apr 23 14:07:39 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.594	5.992	100.00%
5.992	6.122	100.00%
6.122	6.242	100.00%
6.242	6.395	100.00%
6.395	7.197	100.00%
7.197	7.539	100.00%
7.539	7.678	100.00%
7.678	9.122	100.00%

Signal #2

2.906	5.145	100.00%
5.145	5.266	100.00%
5.266	5.397	100.00%
5.397	5.531	100.00%
5.531	6.498	100.00%
6.498	6.775	100.00%
6.775	7.004	100.00%
7.004	8.089	100.00%

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:18
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.906	62004694	61272348	18.993	19.270
28) SA Decachlor...	9.122	8.089	53403082	56912207	19.273	19.232
Target Compounds						
9) A Endosulfan I	6.122	5.266	32613312	32263148	8.588	8.814
10) B gamma-Chl...	5.992	5.144	37114775	37866092	9.098	9.343m
12) B 4,4'-DDE	6.242	5.397	74307748	78460494	18.953	19.292
13) MA Dieldrin	6.395	5.531	71017950	76605618	18.423	18.836
19) B Endosulfa...	7.197	6.498	53082691	63329750	18.946	19.087
20) A Methoxychlor	7.539	6.775	125.8E6	173.2E6	90.164	90.816
21) B Endrin ke...	7.678	7.004	53522821	65934818	18.774	18.725

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

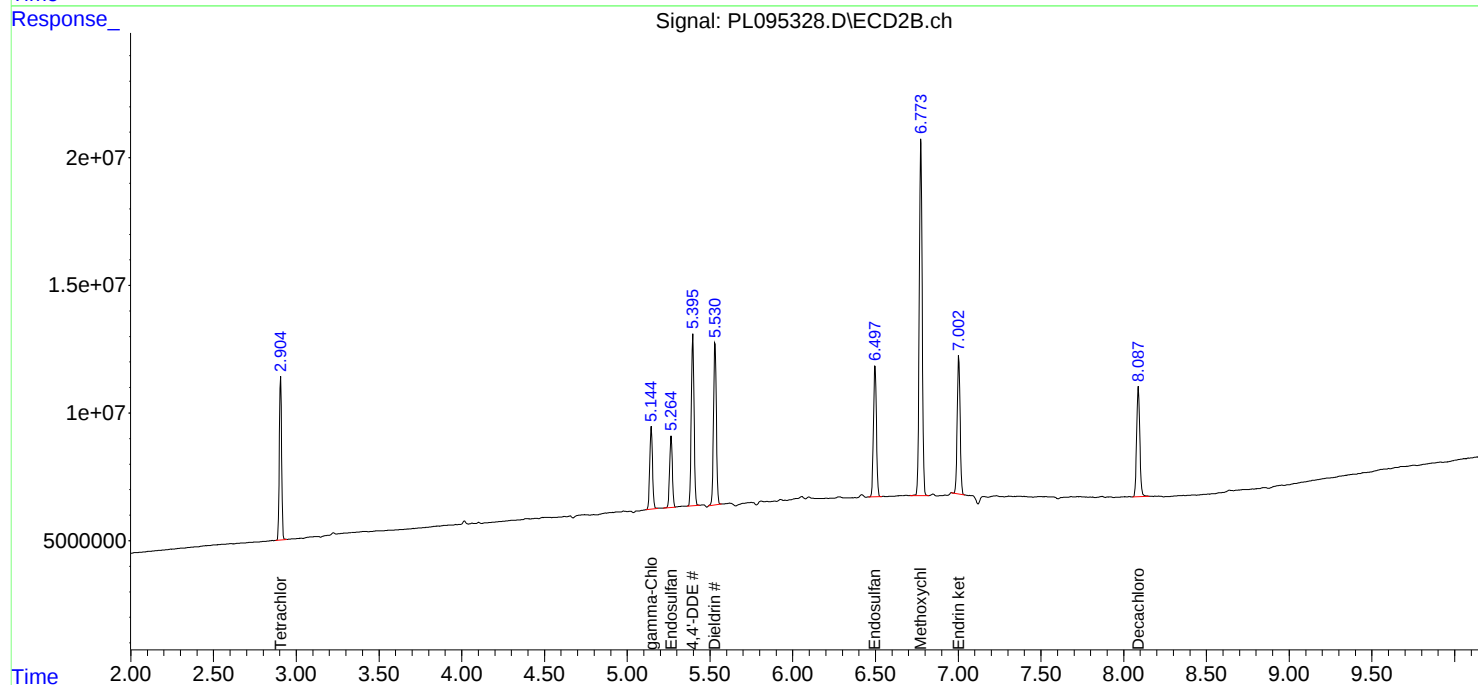
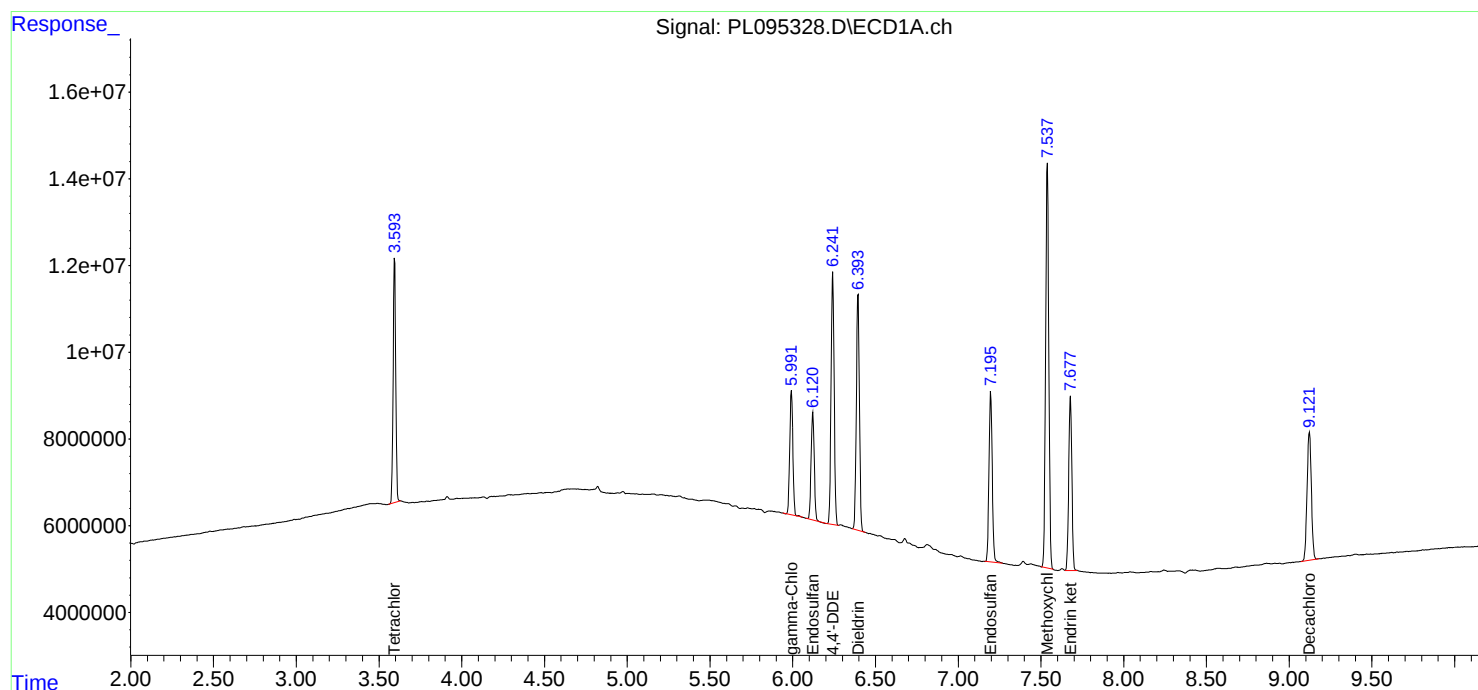
Instrument :
ECD_L
ClientSampleId :
RESCHK

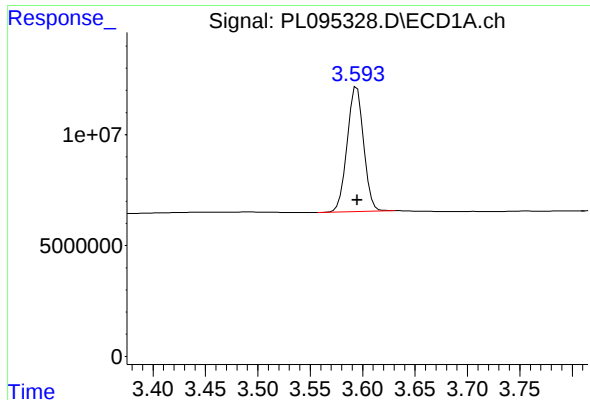
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/24/2025
Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





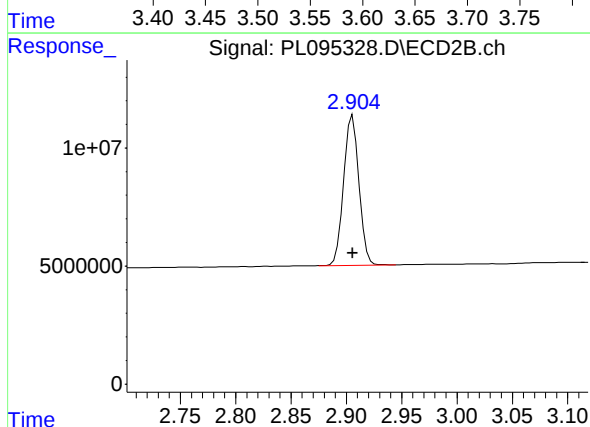
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 62004694
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

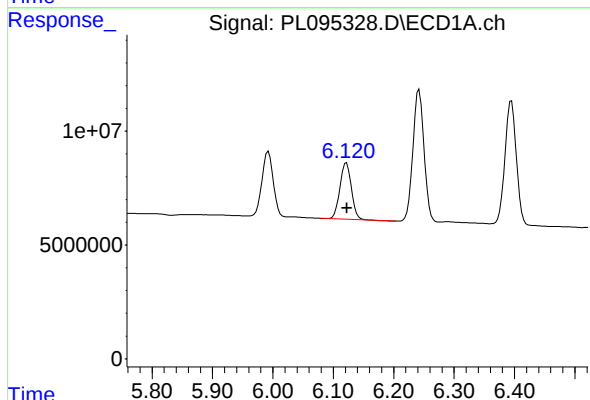
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



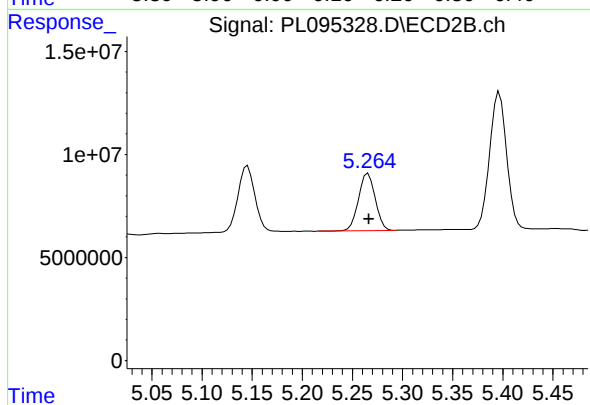
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 61272348
Conc: 19.27 ng/ml



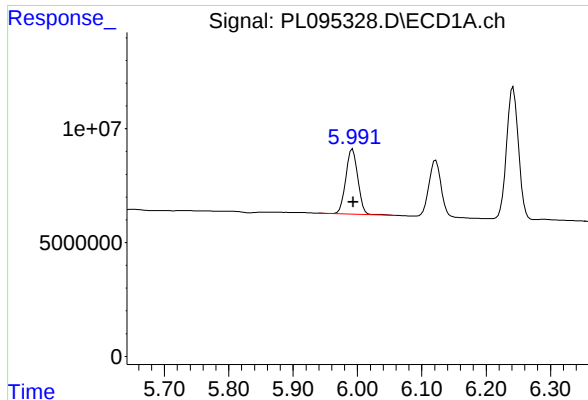
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 32613312
Conc: 8.59 ng/ml



#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 32263148
Conc: 8.81 ng/ml



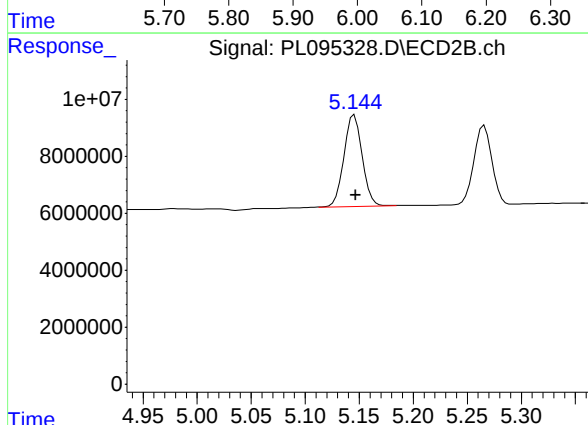
#10 gamma-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.001 min
Response: 37114775
Conc: 9.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

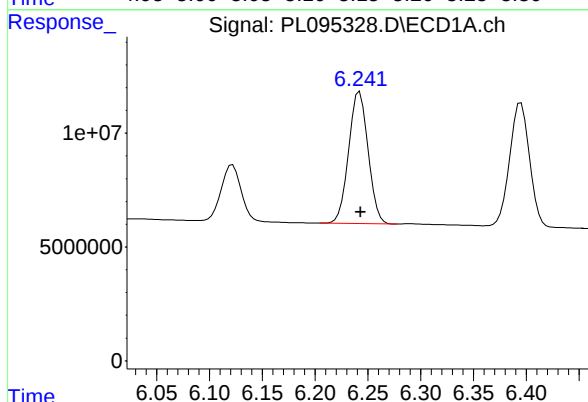
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



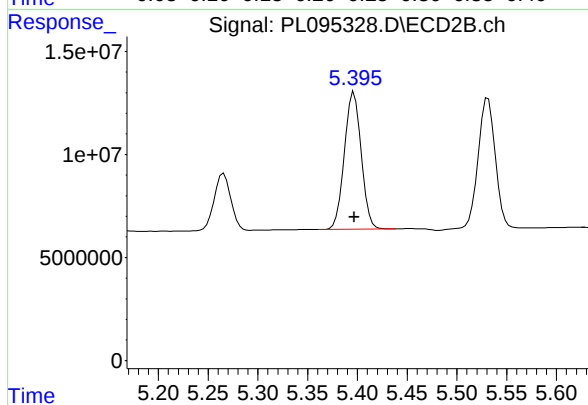
#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 37866092
Conc: 9.34 ng/ml



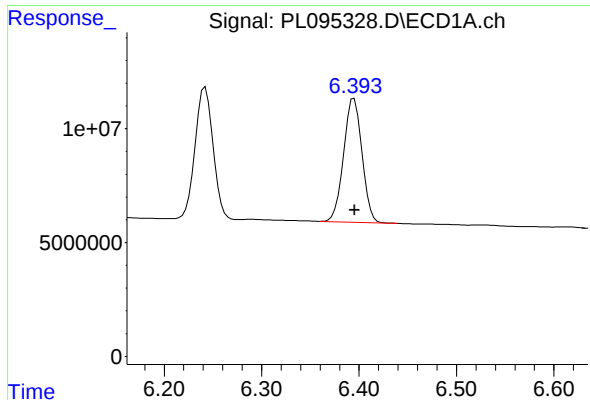
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 74307748
Conc: 18.95 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 78460494
Conc: 19.29 ng/ml



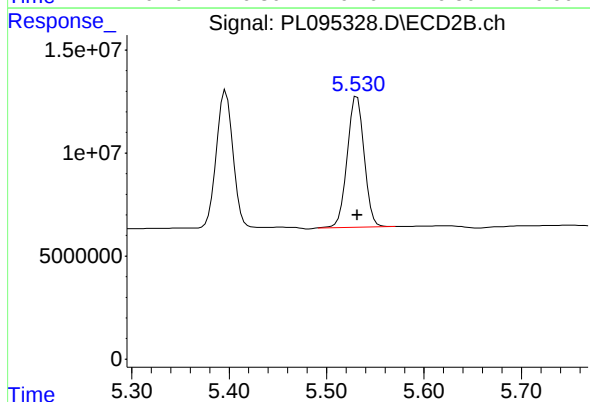
#13 Dieldrin

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 71017950
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

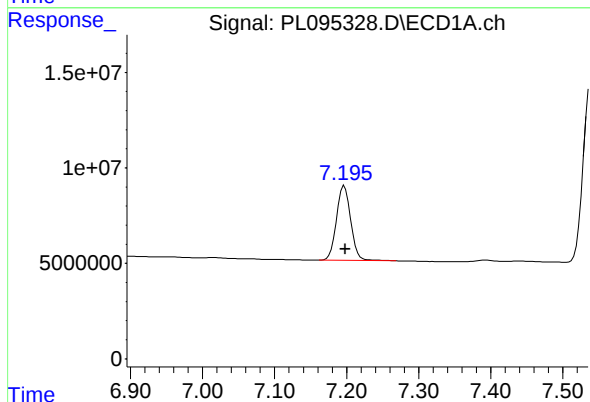
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



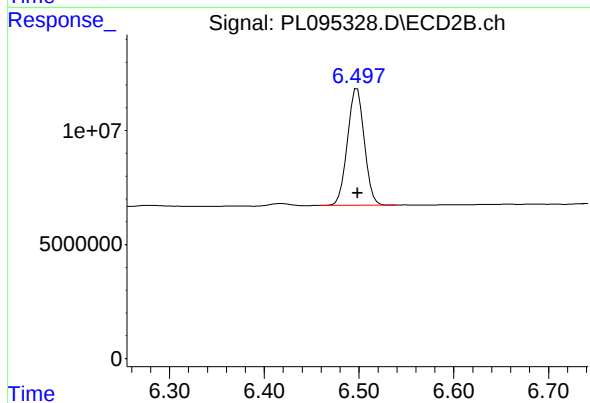
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 76605618
Conc: 18.84 ng/ml



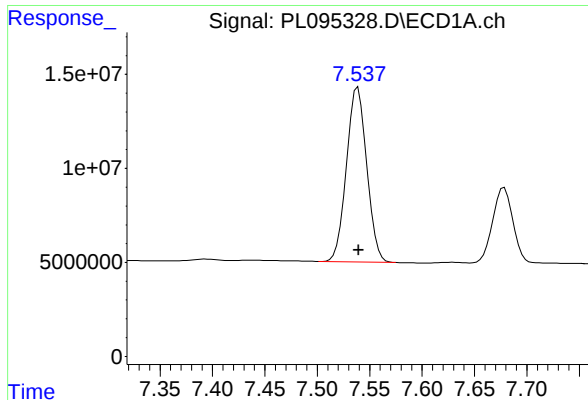
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: -0.001 min
Response: 53082691
Conc: 18.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 63329750
Conc: 19.09 ng/ml



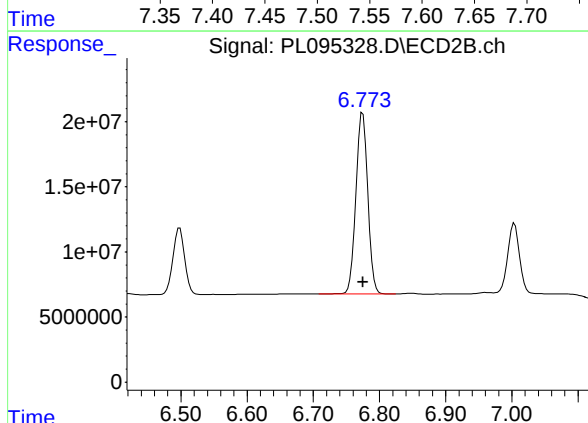
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 125791271
Conc: 90.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

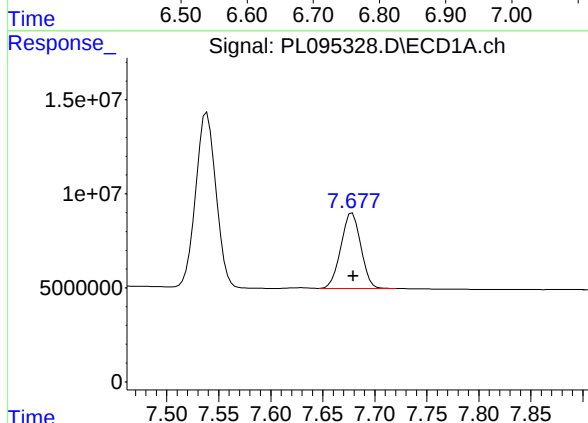
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



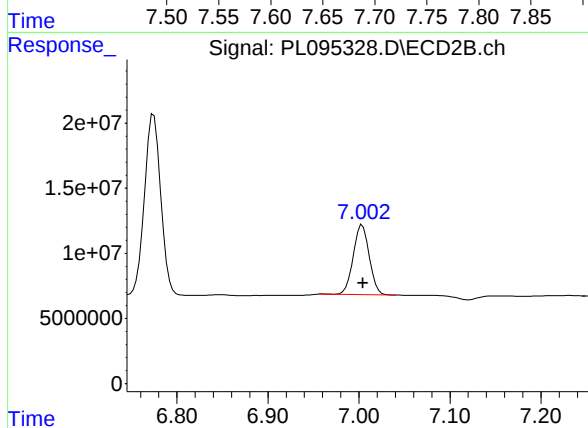
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 173224939
Conc: 90.82 ng/ml



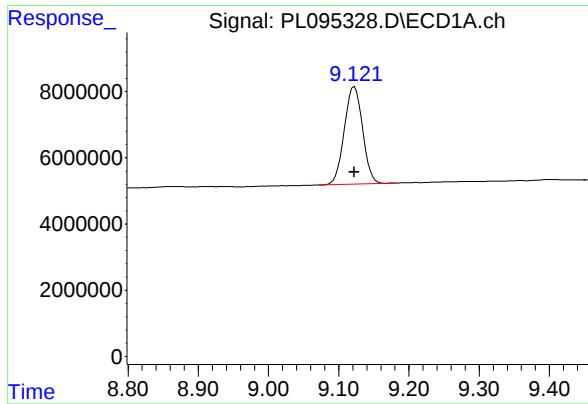
#21 Endrin ketone

R.T.: 7.678 min
Delta R.T.: 0.000 min
Response: 53522821
Conc: 18.77 ng/ml



#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 65934818
Conc: 18.72 ng/ml



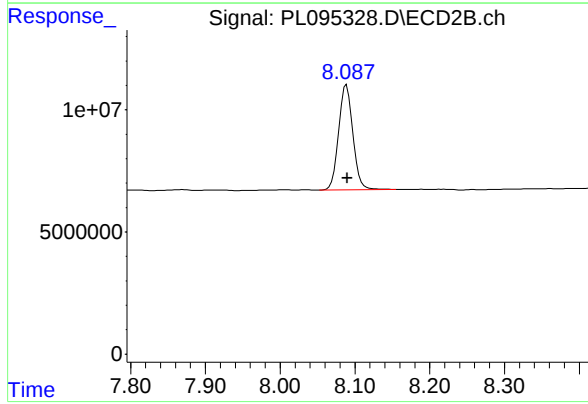
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 53403082
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 56912207
Conc: 19.23 ng/ml

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025

04/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	04/23/2025	10:50	PL095326.D	9.12	3.59
PEM	PEM	04/23/2025	11:04	PL095327.D	9.12	3.59
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	9.12	3.59
PSTDICCC100	PSTDICCC100	04/23/2025	11:31	PL095329.D	9.12	3.60
PSTDICCC075	PSTDICCC075	04/23/2025	11:45	PL095330.D	9.12	3.60
PSTDICCC050	PSTDICCC050	04/23/2025	11:59	PL095331.D	9.12	3.60
PSTDICCC025	PSTDICCC025	04/23/2025	12:12	PL095332.D	9.12	3.60
PSTDICCC005	PSTDICCC005	04/23/2025	12:26	PL095333.D	9.12	3.60
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	9.12	3.60
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	9.12	3.59
IBLK	IBLK	04/28/2025	15:33	PL095438.D	9.13	3.60
PEM	PEM	04/28/2025	15:47	PL095439.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/28/2025	16:01	PL095440.D	9.12	3.59
PB167766BS	PB167766BS	04/28/2025	16:49	PL095442.D	9.12	3.59
COMP-1	Q1889-01	04/28/2025	17:08	PL095443.D	9.12	3.60
COMP-1MS	Q1889-01MS	04/28/2025	17:22	PL095444.D	9.12	3.59
COMP-1MSD	Q1889-01MSD	04/28/2025	17:36	PL095445.D	9.12	3.59
COMP-2	Q1889-02	04/28/2025	17:49	PL095446.D	9.12	3.59
COMP-3	Q1889-03	04/28/2025	18:03	PL095447.D	9.12	3.59
IBLK	IBLK	04/28/2025	18:45	PL095450.D	9.11	3.59
PSTDCCC050	PSTDCCC050	04/28/2025	18:58	PL095451.D	9.11	3.59
IBLK	IBLK	04/29/2025	12:25	PL095473.D	9.12	3.59
PEM	PEM	04/29/2025	12:38	PL095474.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/29/2025	13:07	PL095475.D	9.12	3.59
PB167766BL	PB167766BL	04/29/2025	14:42	PL095478.D	9.12	3.60
IBLK	IBLK	04/29/2025	16:52	PL095483.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/29/2025	17:42	PL095484.D	9.12	3.60

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025

04/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	04/23/2025	10:50	PL095326.D	8.09	2.91
PEM	PEM	04/23/2025	11:04	PL095327.D	8.09	2.91
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	8.09	2.91
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	8.09	2.91
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	8.09	2.91
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	8.09	2.91
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	8.09	2.91
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	8.09	2.91
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	8.09	2.91
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	8.09	2.91
IBLK	IBLK	04/28/2025	15:33	PL095438.D	8.09	2.90
PEM	PEM	04/28/2025	15:47	PL095439.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/28/2025	16:01	PL095440.D	8.08	2.90
PB167766BS	PB167766BS	04/28/2025	16:49	PL095442.D	8.08	2.90
COMP-1	Q1889-01	04/28/2025	17:08	PL095443.D	8.08	2.90
COMP-1MS	Q1889-01MS	04/28/2025	17:22	PL095444.D	8.08	2.90
COMP-1MSD	Q1889-01MSD	04/28/2025	17:36	PL095445.D	8.08	2.90
COMP-2	Q1889-02	04/28/2025	17:49	PL095446.D	8.08	2.90
COMP-3	Q1889-03	04/28/2025	18:03	PL095447.D	8.08	2.90
IBLK	IBLK	04/28/2025	18:45	PL095450.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/28/2025	18:58	PL095451.D	8.08	2.90
IBLK	IBLK	04/29/2025	12:25	PL095473.D	8.08	2.90
PEM	PEM	04/29/2025	12:38	PL095474.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/29/2025	13:07	PL095475.D	8.08	2.90
PB167766BL	PB167766BL	04/29/2025	14:42	PL095478.D	8.08	2.91
IBLK	IBLK	04/29/2025	16:52	PL095483.D	8.08	2.91
PSTDCCC050	PSTDCCC050	04/29/2025	17:42	PL095484.D	8.08	2.91

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MS

Contract: POWE02

Lab Code: CHEM Case No.: Q1889

SAS No.: Q1889 SDG NO.: Q1889

Lab Sample ID: Q1889-01MS

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dieldrin	1	6.39	6.34	6.44	21.2	6.3
	2	5.53	5.48	5.58	19.9	
Aldrin	1	5.31	5.26	5.36	20.1	1
	2	4.39	4.34	4.44	20.3	
4,4'-DDE	1	6.24	6.19	6.29	21.1	5.4
	2	5.39	5.34	5.44	20.0	
4,4'-DDD	1	6.75	6.70	6.80	23.1	12.4
	2	5.94	5.89	5.99	20.4	
4,4'-DDT	1	7.06	7.01	7.11	21.3	7.8
	2	6.20	6.15	6.25	19.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MSD

Contract: POWE02

Lab Code: CHEM Case No.: Q1889

SAS No.: Q1889 SDG NO.: Q1889

Lab Sample ID: Q1889-01MSD

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.75	6.70	6.80	22.8	12.1
	2	5.94	5.89	5.99	20.2	
4,4'-DDT	1	7.06	7.01	7.11	20.9	6.9
	2	6.20	6.15	6.25	19.5	
Aldrin	1	5.31	5.26	5.36	19.9	1
	2	4.39	4.34	4.44	20.1	
4,4'-DDE	1	6.24	6.19	6.29	20.8	4.9
	2	5.39	5.34	5.44	19.8	
Dieldrin	1	6.39	6.34	6.44	21.0	6.9
	2	5.53	5.48	5.58	19.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167766BS

Contract: POWE02

Lab Code: CHEM Case No.: Q1889

SAS No.: Q1889 SDG NO.: Q1889

Lab Sample ID: PB167766BS

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.75	6.70	6.80	19.6	9.6
	2	5.94	5.89	5.99	17.8	
4,4'-DDE	1	6.24	6.19	6.29	18.1	5.7
	2	5.39	5.34	5.44	17.1	
4,4'-DDT	1	7.06	7.01	7.11	18.7	10.1
	2	6.20	6.15	6.25	16.9	
Aldrin	1	5.31	5.26	5.36	17.4	1.2
	2	4.39	4.34	4.44	17.2	
Dieldrin	1	6.39	6.34	6.44	18.4	7.3
	2	5.53	5.48	5.58	17.1	



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167766BL	SDG No.:	Q1889
Lab Sample ID:	PB167766BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095478.D	1	04/28/25 09:05	04/29/25 14:42	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		20 - 144	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		19 - 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\PL050225\
 Data File : PL095478.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 14:42
 Operator : AR\AJ
 Sample : PB167766BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167766BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:56:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.595	2.905	63327644	58618940	19.398	18.435
28) SA Decachlor...	9.121	8.082	59461166	61963557	21.460	20.939

Target Compounds

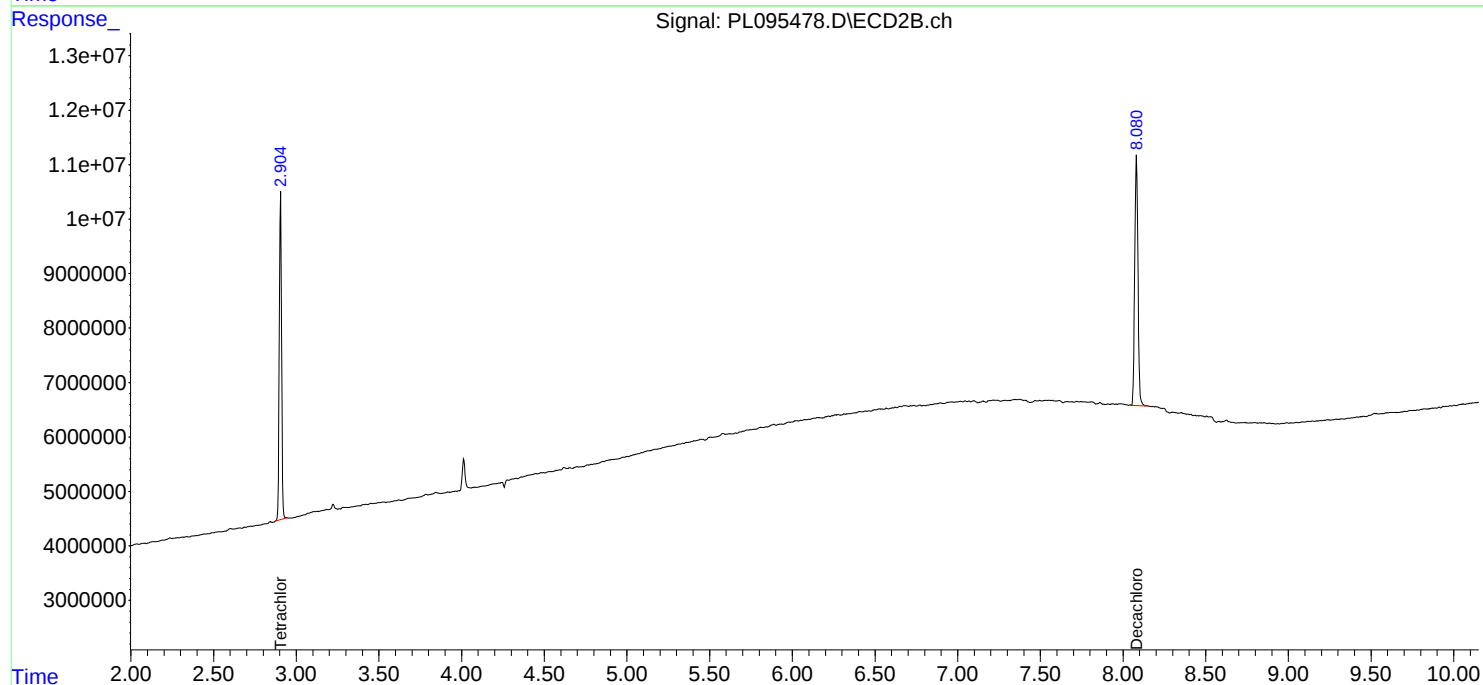
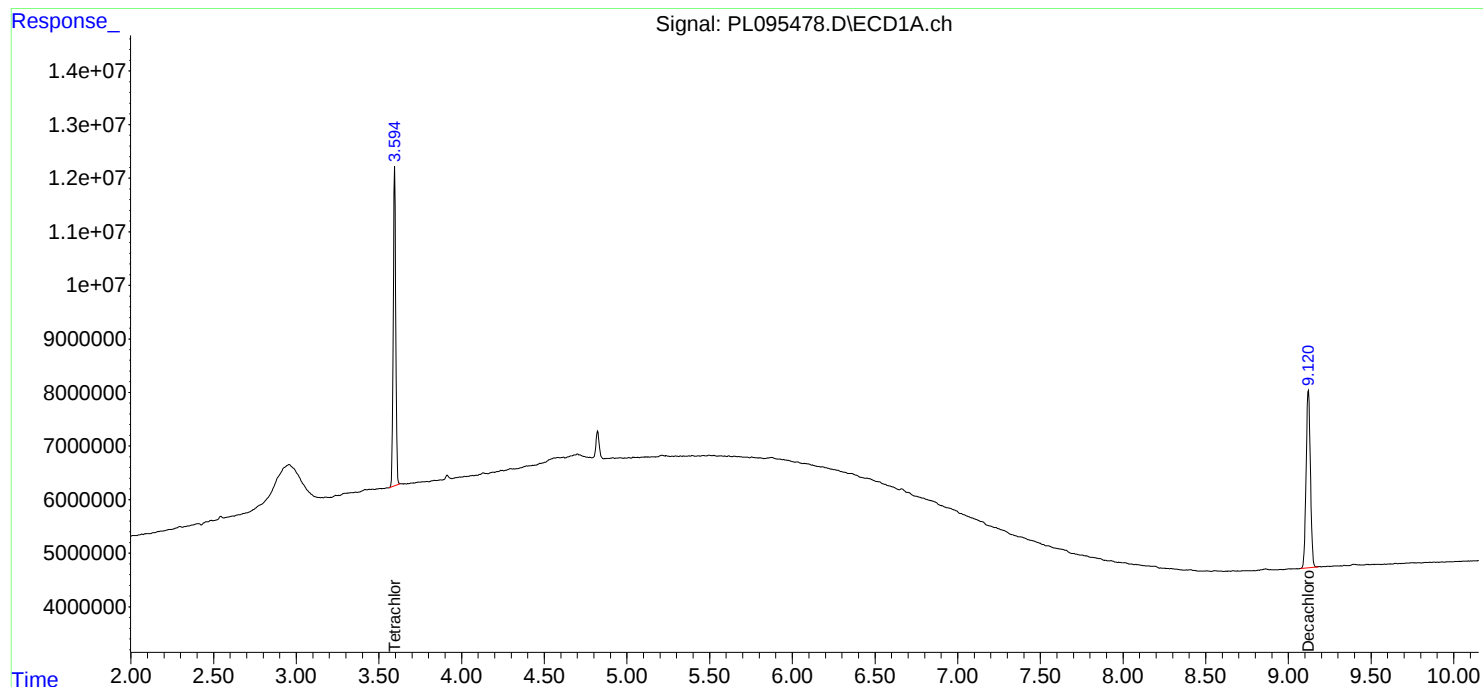
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

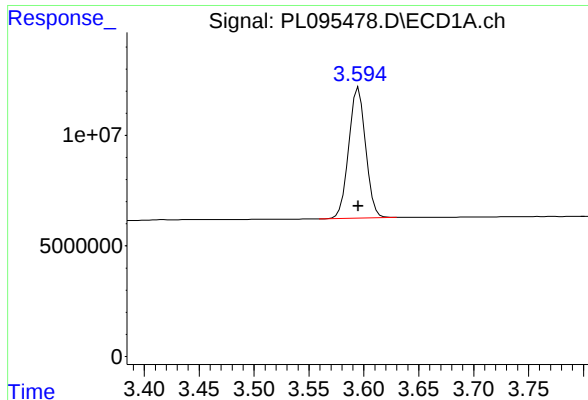
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:42
Operator : AR\AJ
Sample : PB167766BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167766BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:56:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

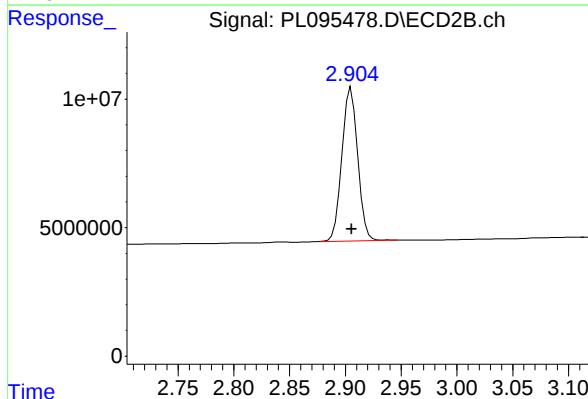




#1 Tetrachloro-m-xylene

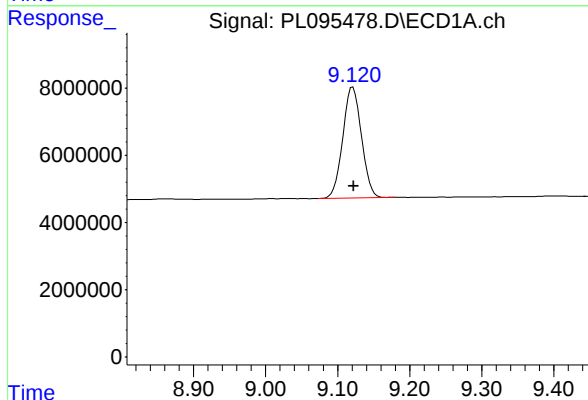
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 63327644
Conc: 19.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BL



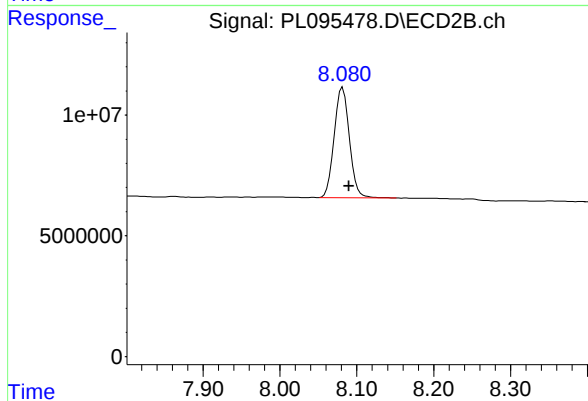
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 58618940
Conc: 18.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: -0.001 min
Response: 59461166
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 61963557
Conc: 20.94 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/23/25
Project:	Mitchell School	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1889
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		77 - 126	87%	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\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.594	2.905	56524147	54455545	17.314	17.126
28) SA Decachlor...	9.121	8.088	52237002	53755420	18.853	18.165

Target Compounds

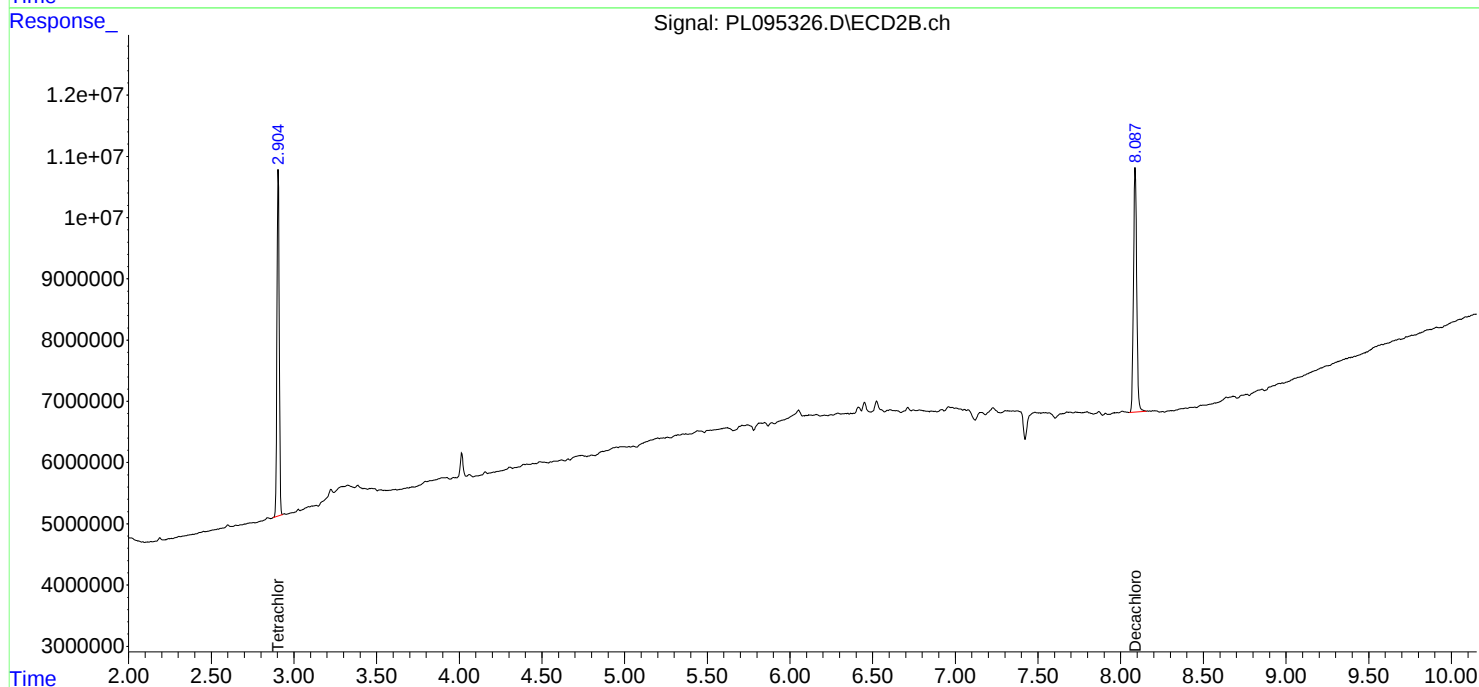
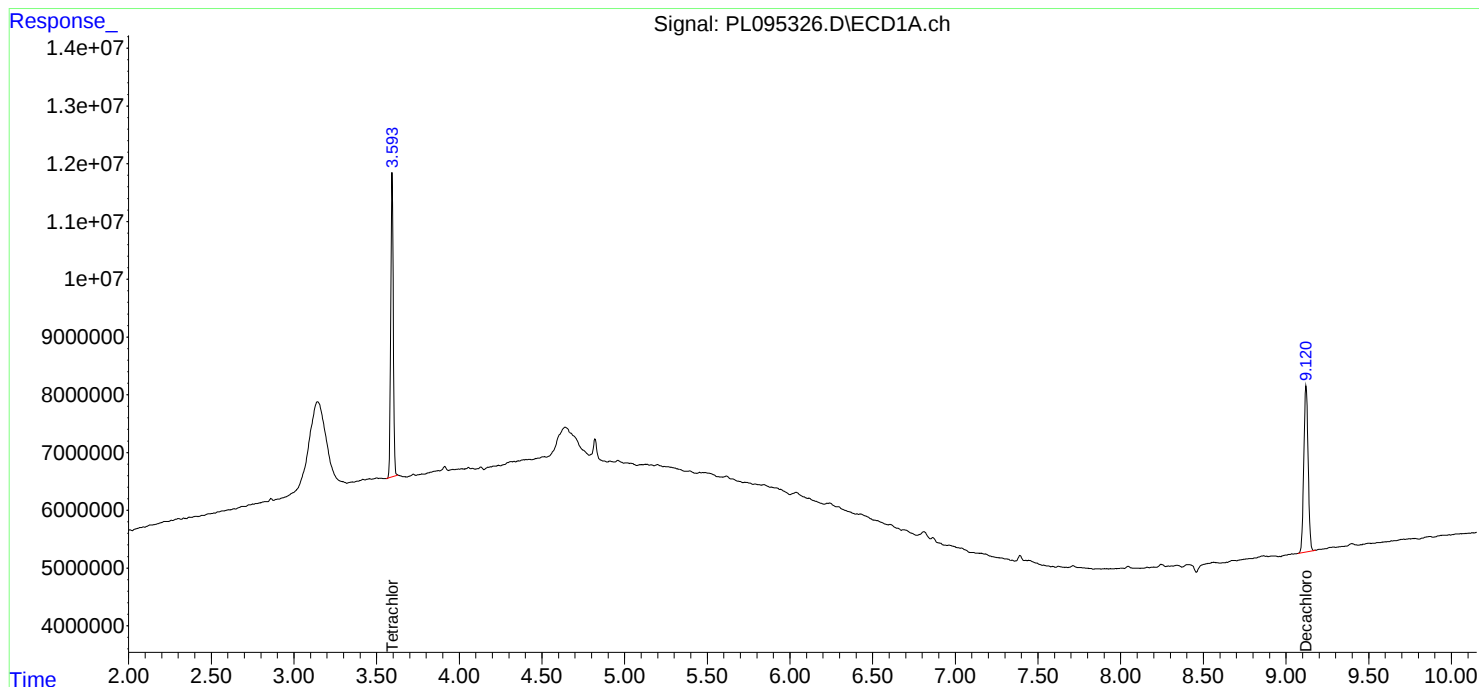
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

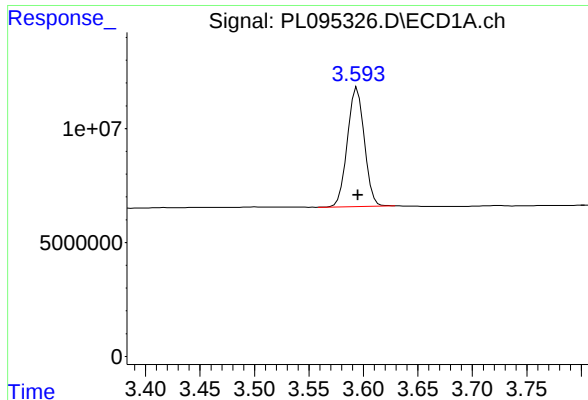
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

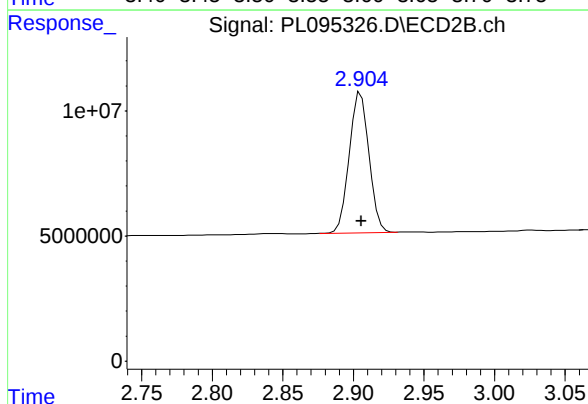




#1 Tetrachloro-m-xylene

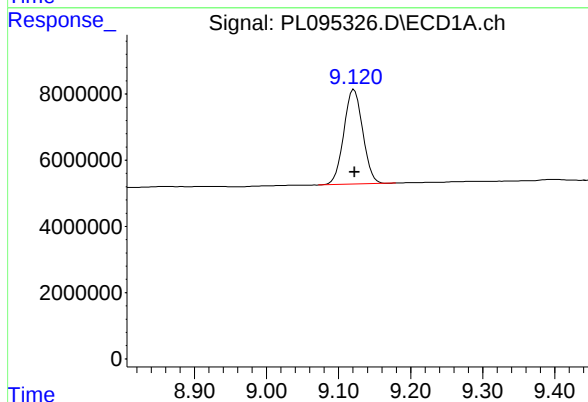
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 56524147
Conc: 17.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



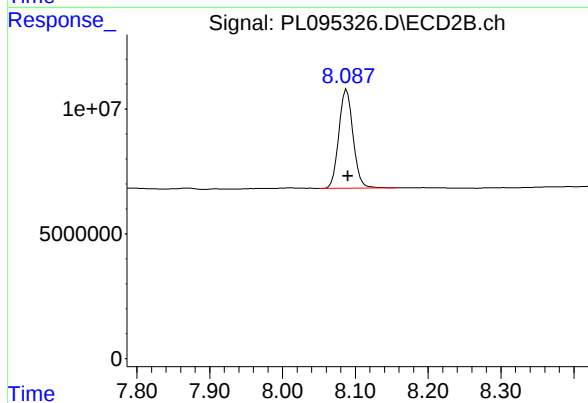
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 54455545
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 52237002
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.001 min
Response: 53755420
Conc: 18.17 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/28/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	PIBLK-PL095438.D	SDG No.:	Q1889
Lab Sample ID:	I.BLK-PL095438.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095438.D	1		04/28/25	pl043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	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\PL043025\
 Data File : PL095438.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 15:33
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.598	2.902	60874148	56389765	18.646	17.734
28) SA Decachlor...	9.126	8.085	63327662	64300303	22.855	21.728

Target Compounds

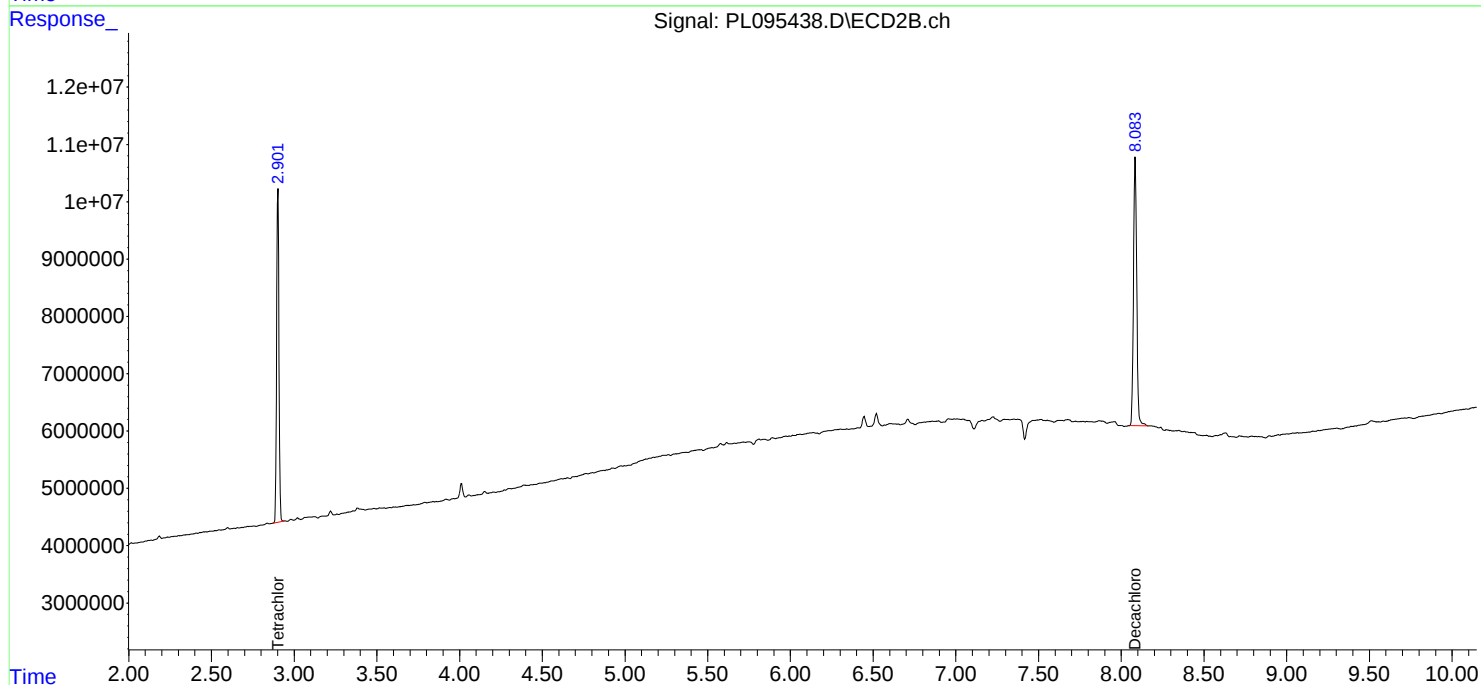
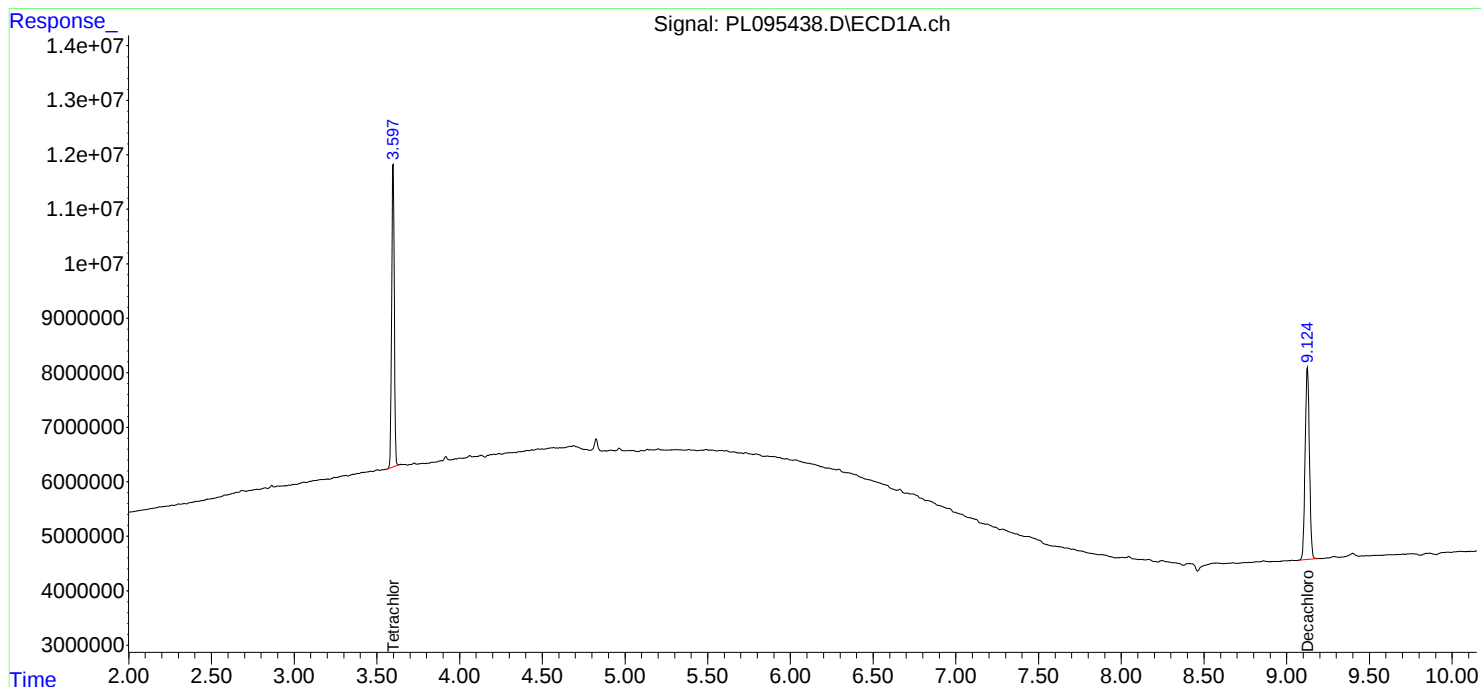
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

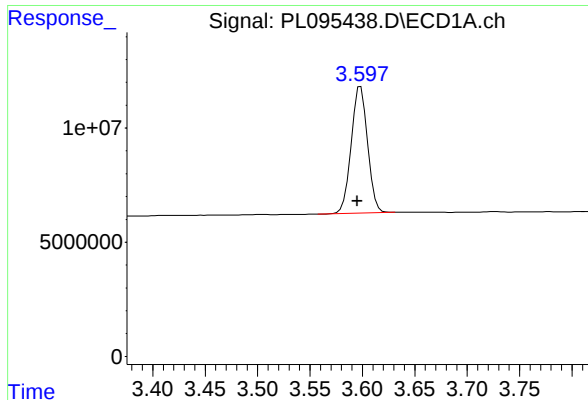
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

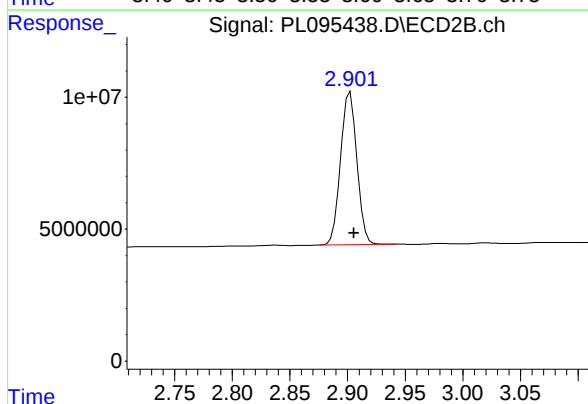




#1 Tetrachloro-m-xylene

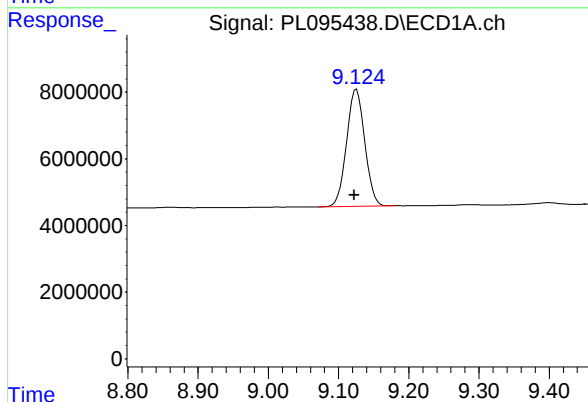
R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 60874148
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



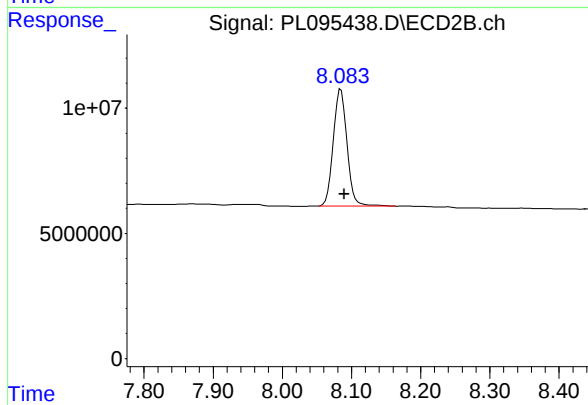
#1 Tetrachloro-m-xylene

R.T.: 2.902 min
Delta R.T.: -0.003 min
Response: 56389765
Conc: 17.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.126 min
Delta R.T.: 0.003 min
Response: 63327662
Conc: 22.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.005 min
Response: 64300303
Conc: 21.73 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/28/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	PIBLK-PL095450.D	SDG No.:	Q1889
Lab Sample ID:	I.BLK-PL095450.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095450.D	1		04/28/25	pl043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		43 - 140	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	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\PL043025\
Data File : PL095450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.592	2.904	60429031	60511572	18.510	19.030
28) SA Decachlor...	9.114	8.082	58710330	64573913	21.189	21.821

Target Compounds

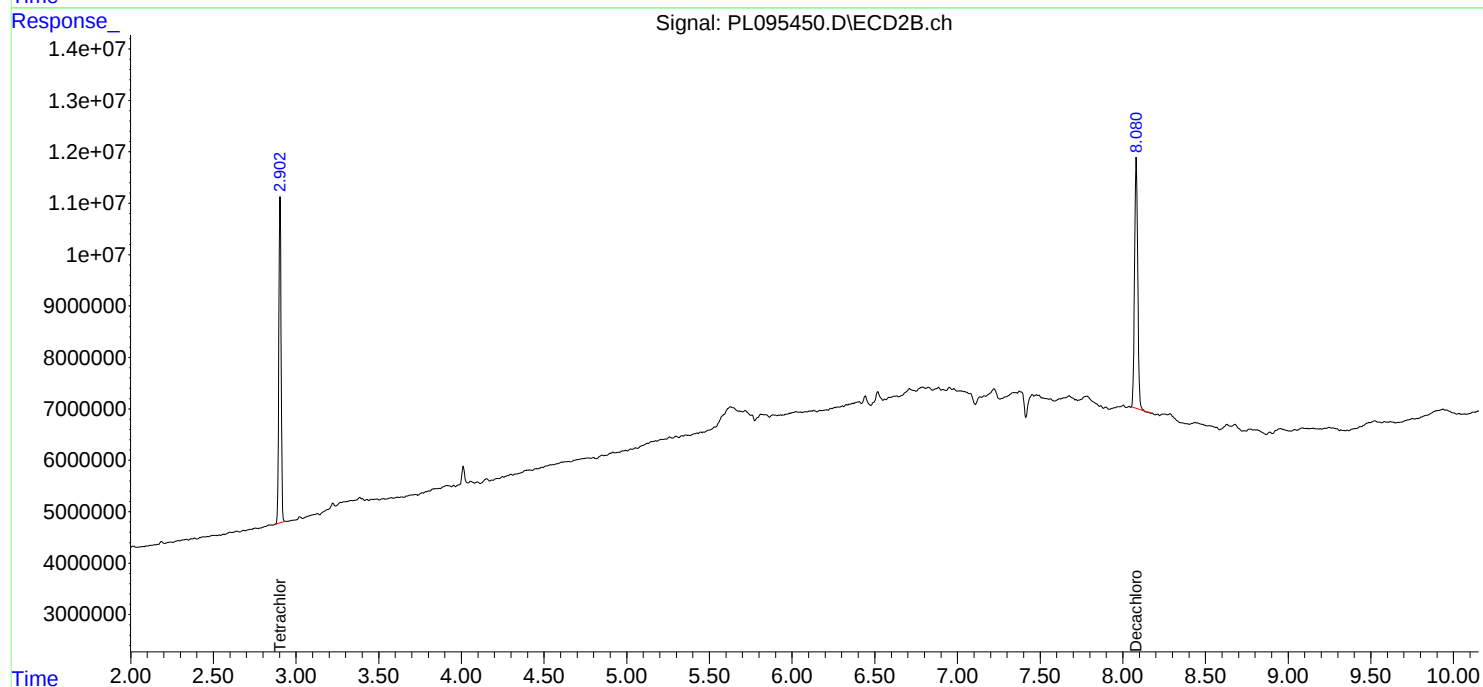
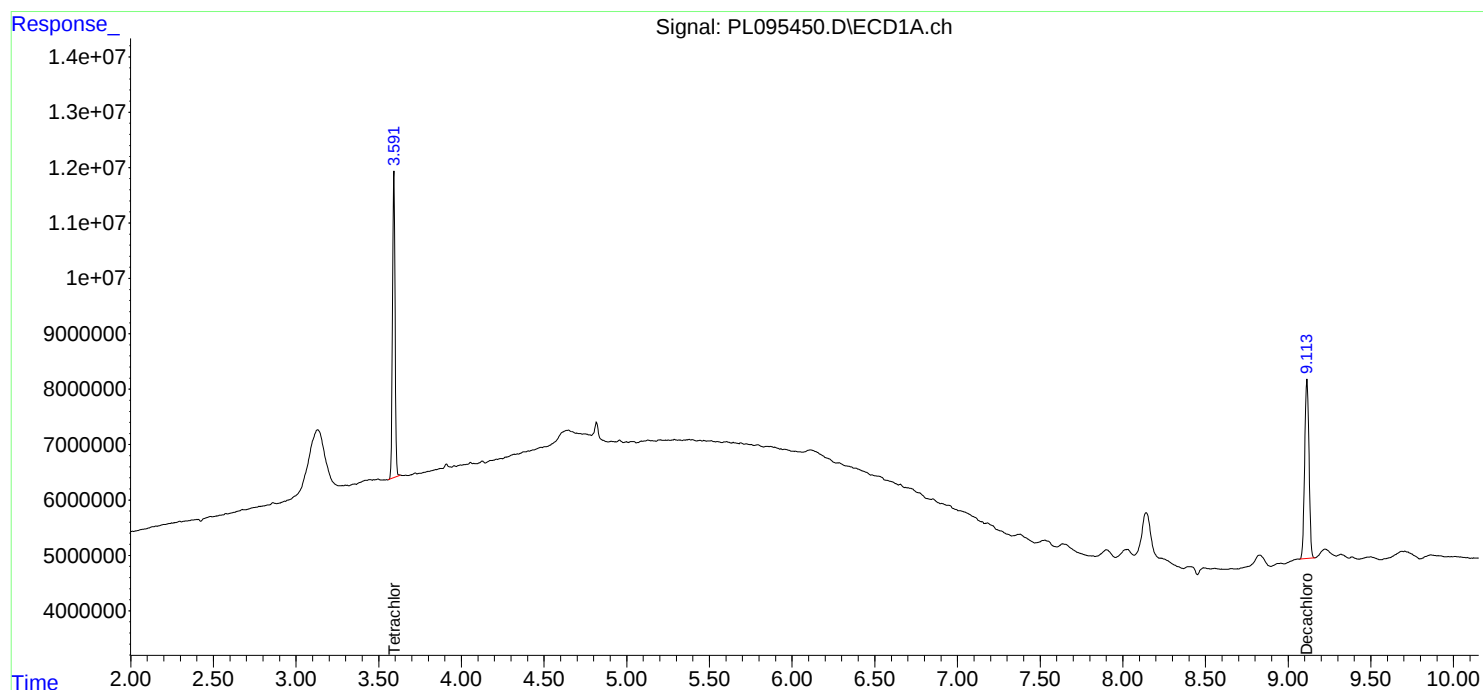
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

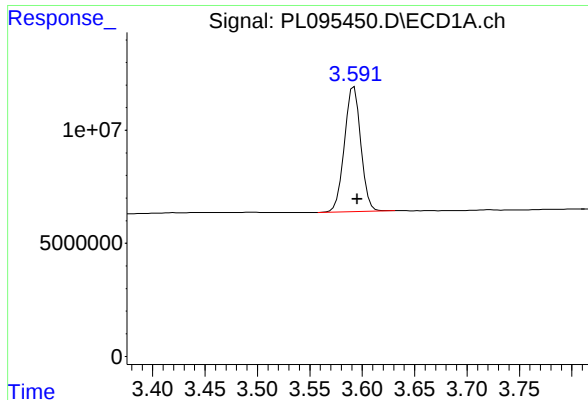
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

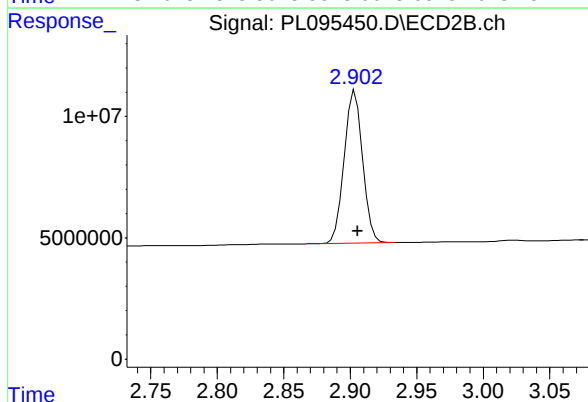




#1 Tetrachloro-m-xylene

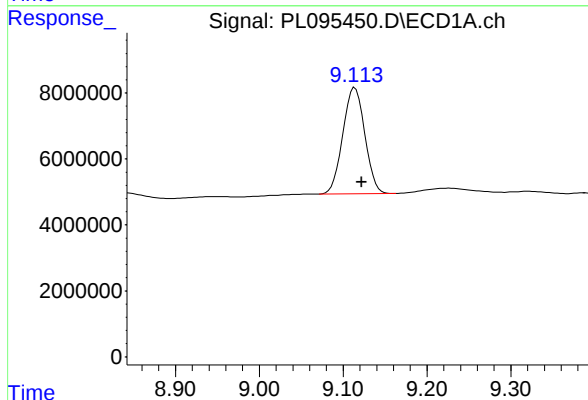
R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 60429031
Conc: 18.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



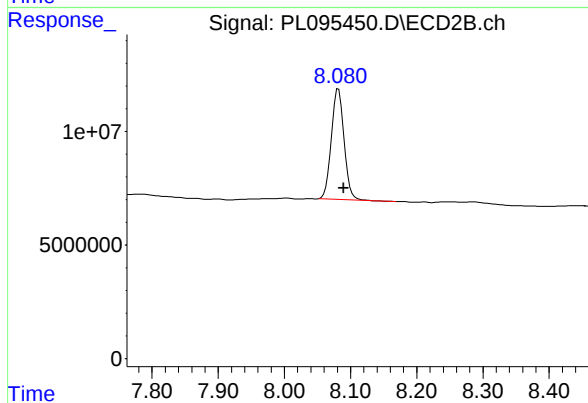
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 60511572
Conc: 19.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 58710330
Conc: 21.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 64573913
Conc: 21.82 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095473.D	SDG No.:	Q1889
Lab Sample ID:	I.BLK-PL095473.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095473.D	1		04/29/25	pl050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	95%	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\PL050225\
 Data File : PL095473.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 12:25
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:55:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.594	2.904	61870909	57693311	18.952	18.144
28) SA Decachlor...	9.121	8.083	61630019	62243209	22.243	21.033

Target Compounds

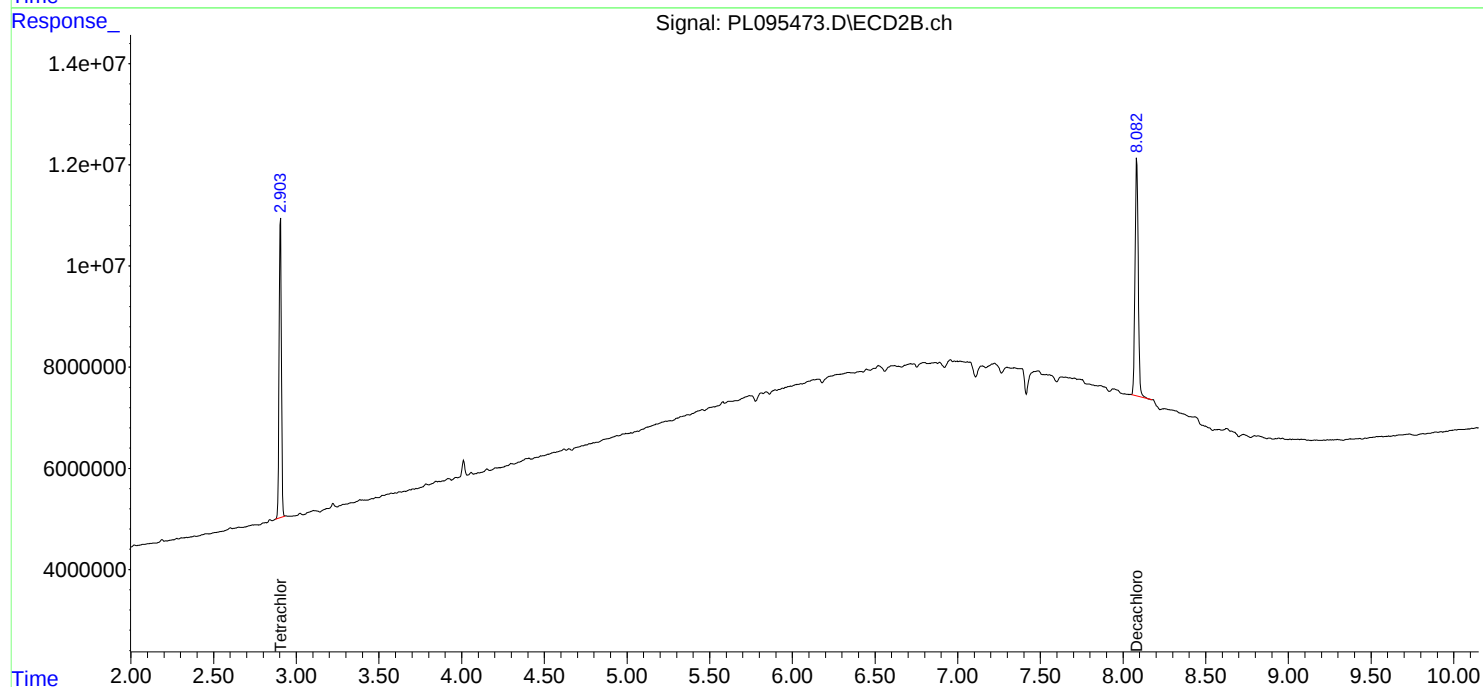
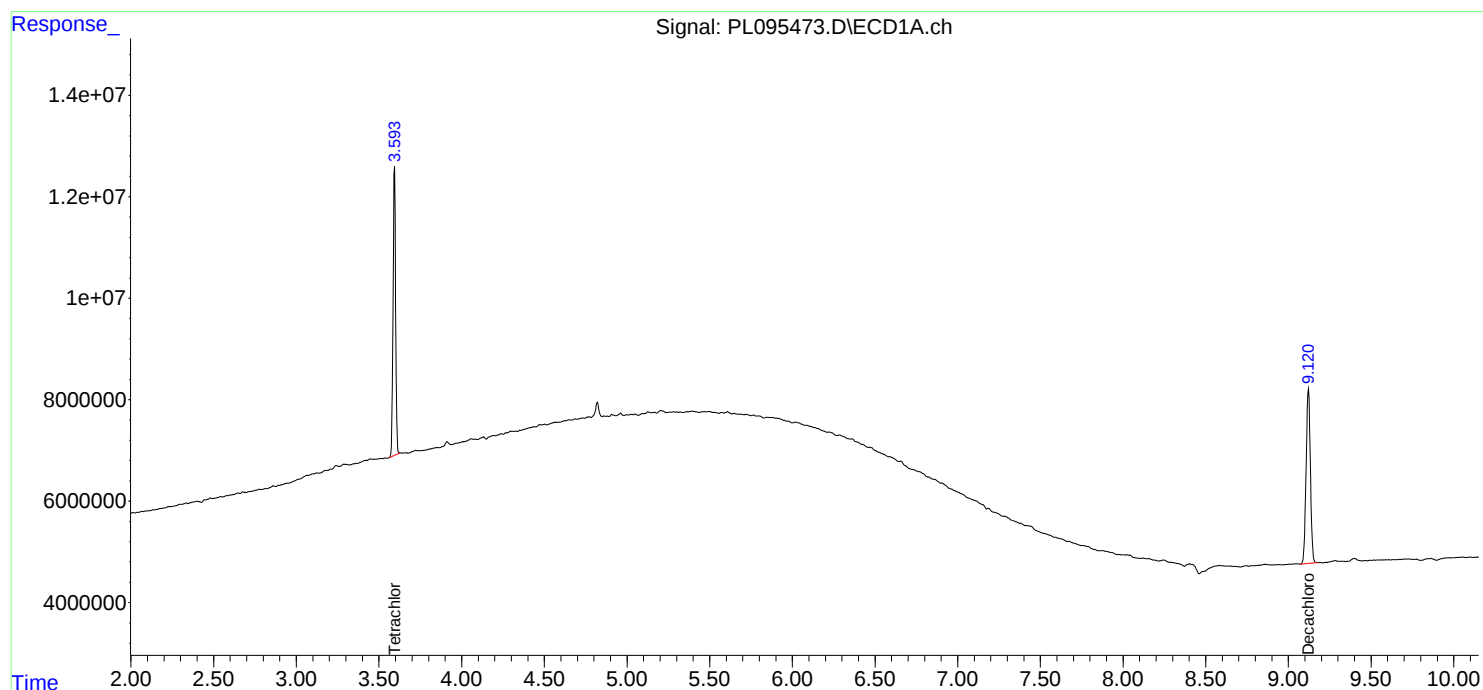
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

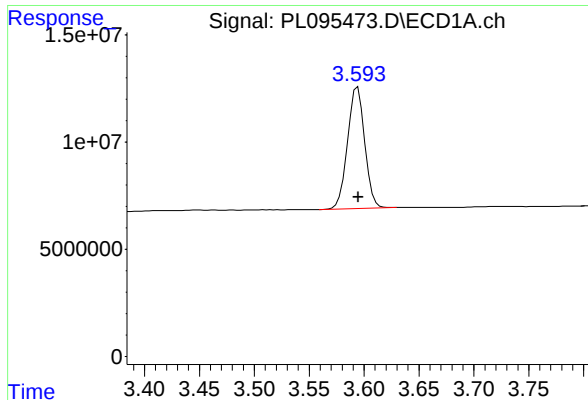
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

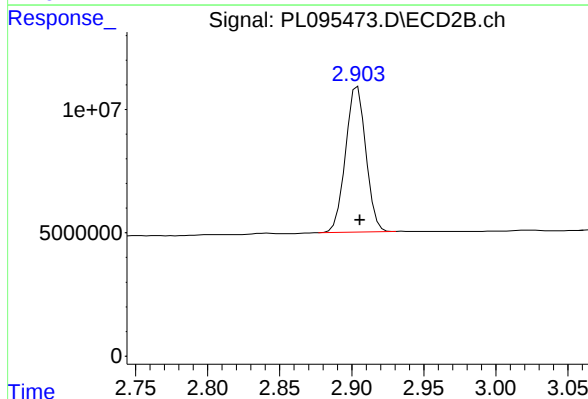




#1 Tetrachloro-m-xylene

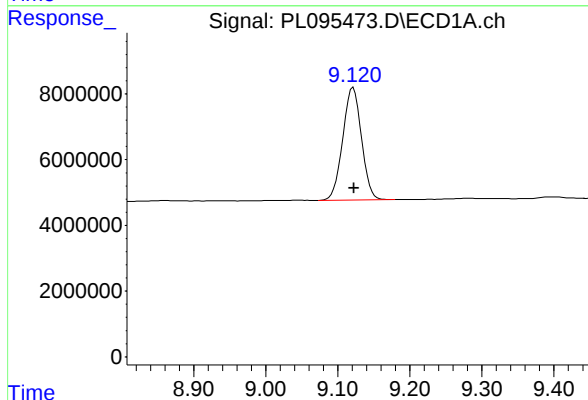
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 61870909
Conc: 18.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



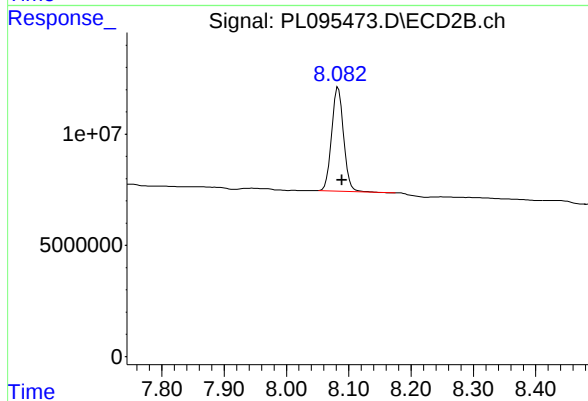
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 57693311
Conc: 18.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 61630019
Conc: 22.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 62243209
Conc: 21.03 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095483.D	SDG No.:	Q1889
Lab Sample ID:	I.BLK-PL095483.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095483.D	1		04/29/25	pl050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095483.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 16:52
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:57:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.906	62516971	69323361	19.150	21.801
28) SA Decachlor...	9.118	8.083	63466068	64507852	22.905	21.799

Target Compounds

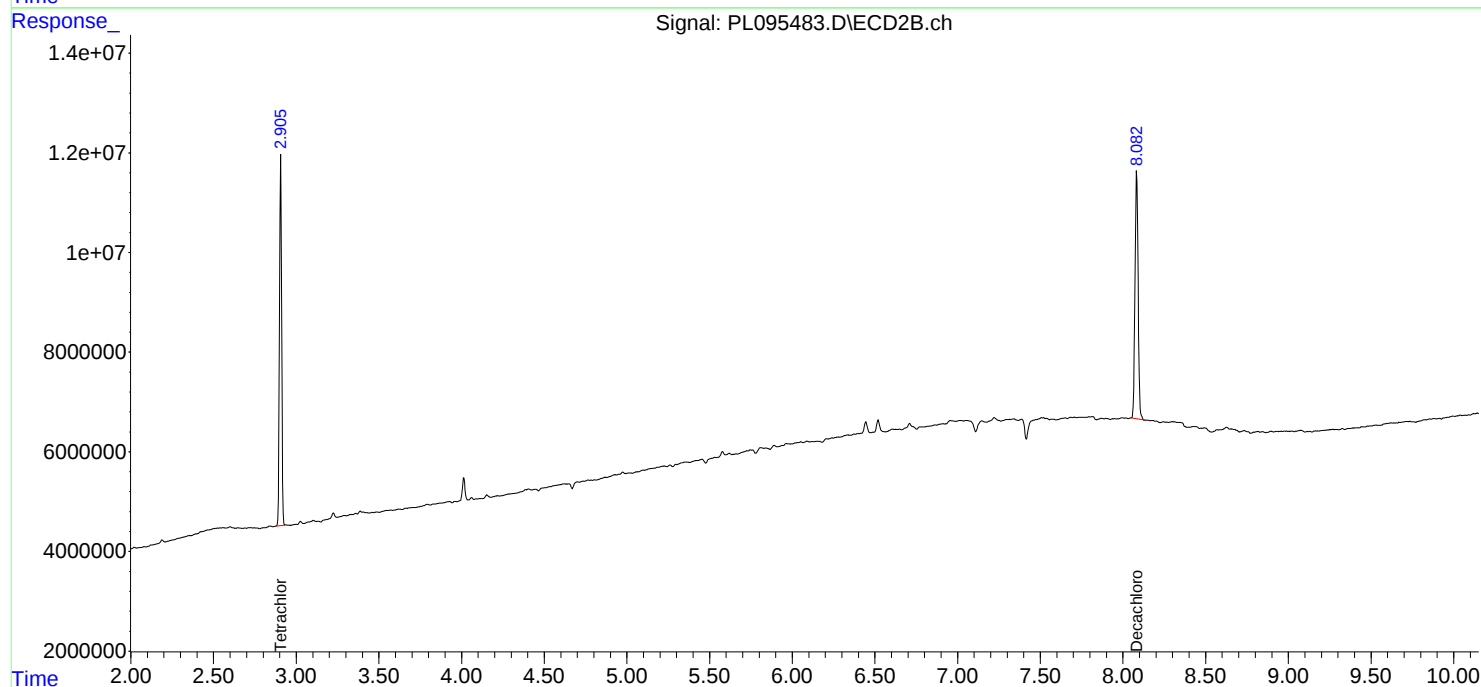
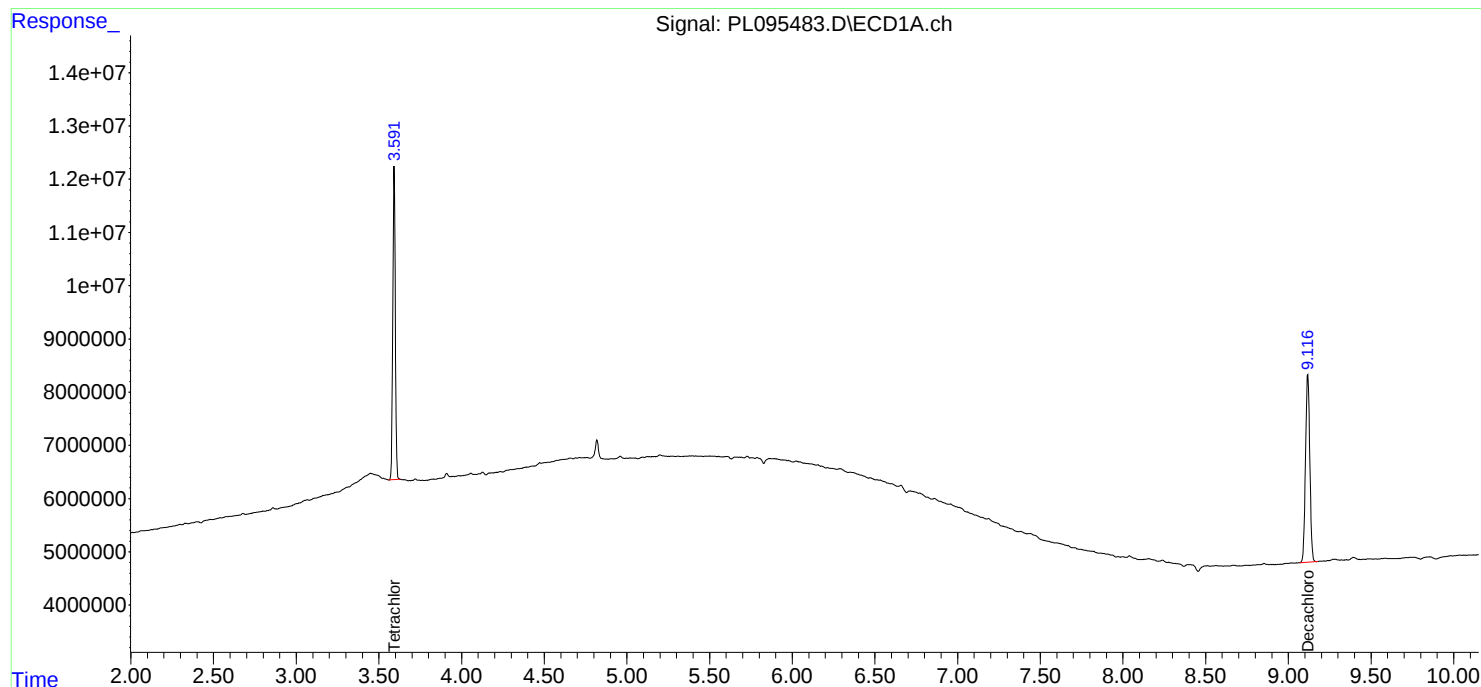
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

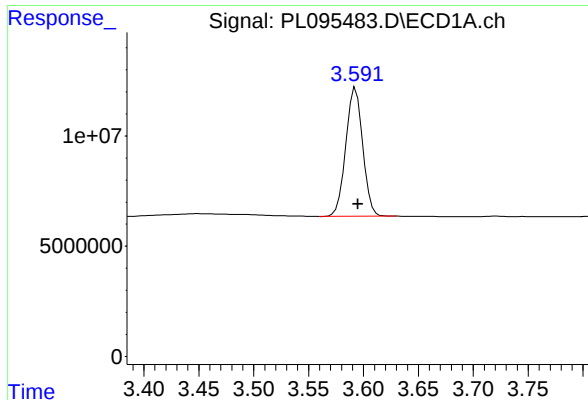
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 16:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:57:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

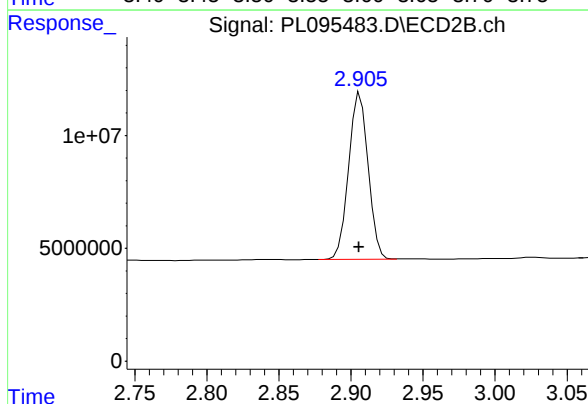




#1 Tetrachloro-m-xylene

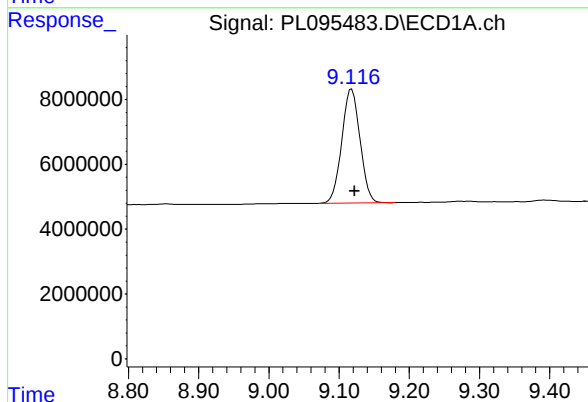
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62516971
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



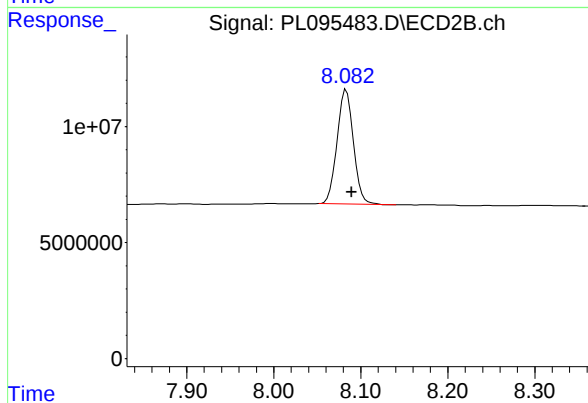
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 69323361
Conc: 21.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 63466068
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 64507852
Conc: 21.80 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167766BS	SDG No.:	Q1889
Lab Sample ID:	PB167766BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095442.D	1	04/28/25 09:05	04/28/25 16:49	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	17.4		0.12	1.70	ug/kg
60-57-1	Dieldrin	18.4		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.1		0.14	1.70	ug/kg
72-54-8	4,4-DDD	19.6		0.15	1.70	ug/kg
50-29-3	4,4-DDT	18.7		0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		20 - 144	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		19 - 148	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095442.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:49
 Operator : AR\AJ
 Sample : PB167766BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167766BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.904	67647608	66214118	20.721	20.824
28) SA Decachlor...	9.116	8.082	65376502	70362619	23.595	23.777
Target Compounds						
2) A alpha-BHC	4.044	3.414	257.4E6	238.4E6	51.956	53.588
3) MA gamma-BHC...	4.373	3.747	247.9E6	232.2E6	52.364m	52.793
4) MA Heptachlor	4.973	4.101	231.7E6	220.5E6	50.642	50.609
5) MB Aldrin	5.314	4.386	239.4E6	213.1E6	52.116	51.774
6) B beta-BHC	4.560	4.040	105.7E6	107.4E6	51.131	51.739
7) B delta-BHC	4.807	4.276	246.6E6	232.2E6	53.032m	52.979
8) B Heptachlo...	5.735	4.888	215.0E6	200.7E6	53.681	51.969
9) A Endosulfan I	6.119	5.262	206.2E6	192.4E6	54.298	52.557
10) B gamma-Chl...	5.989	5.141	222.0E6	209.5E6	54.432	51.699
11) B alpha-Chl...	6.070	5.206	220.6E6	206.4E6	54.259	51.835
12) B 4,4'-DDE	6.239	5.392	213.6E6	209.0E6	54.474	51.377
13) MA Dieldrin	6.391	5.526	212.5E6	209.1E6	55.121	51.418
14) MA Endrin	6.619	5.801	166.6E6	177.0E6	52.308	48.618
15) B Endosulfa...	6.831	6.092	181.8E6	188.8E6	56.955	52.573
16) A 4,4'-DDD	6.749	5.944	166.2E6	174.9E6	58.709	53.545
17) MA 4,4'-DDT	7.064	6.198	159.9E6	174.8E6	56.124	50.878
18) B Endrin al...	6.960	6.270	136.5E6	144.5E6	58.822	55.294
19) B Endosulfa...	7.193	6.493	154.7E6	175.7E6	55.225	52.952
20) A Methoxychlor	7.534	6.768	74241669	90721249	53.215	47.562
21) B Endrin ke...	7.674	6.999	167.6E6	206.5E6	58.776	58.642
22) Mirex	8.155	7.194	129.1E6	155.6E6	54.348	53.981m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:49
Operator : AR\AJ
Sample : PB167766BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167766BS

Manual Integrations

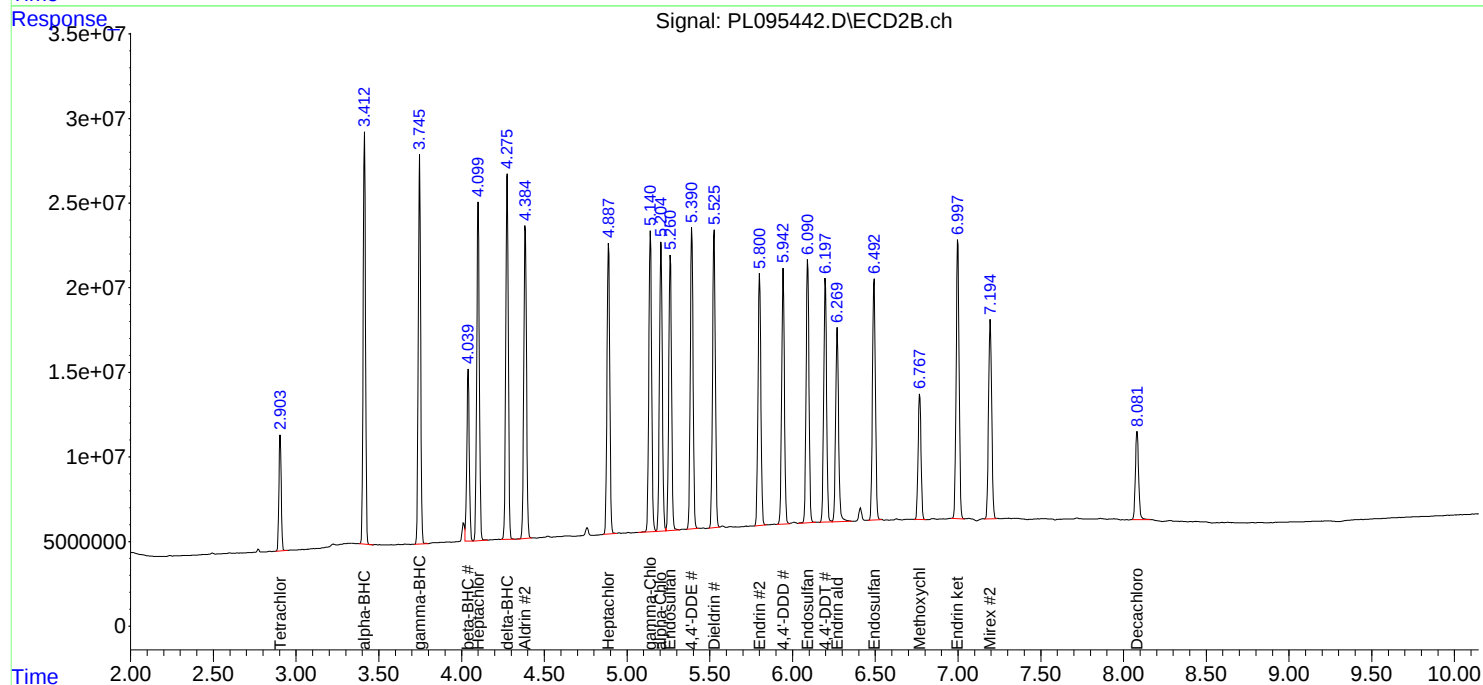
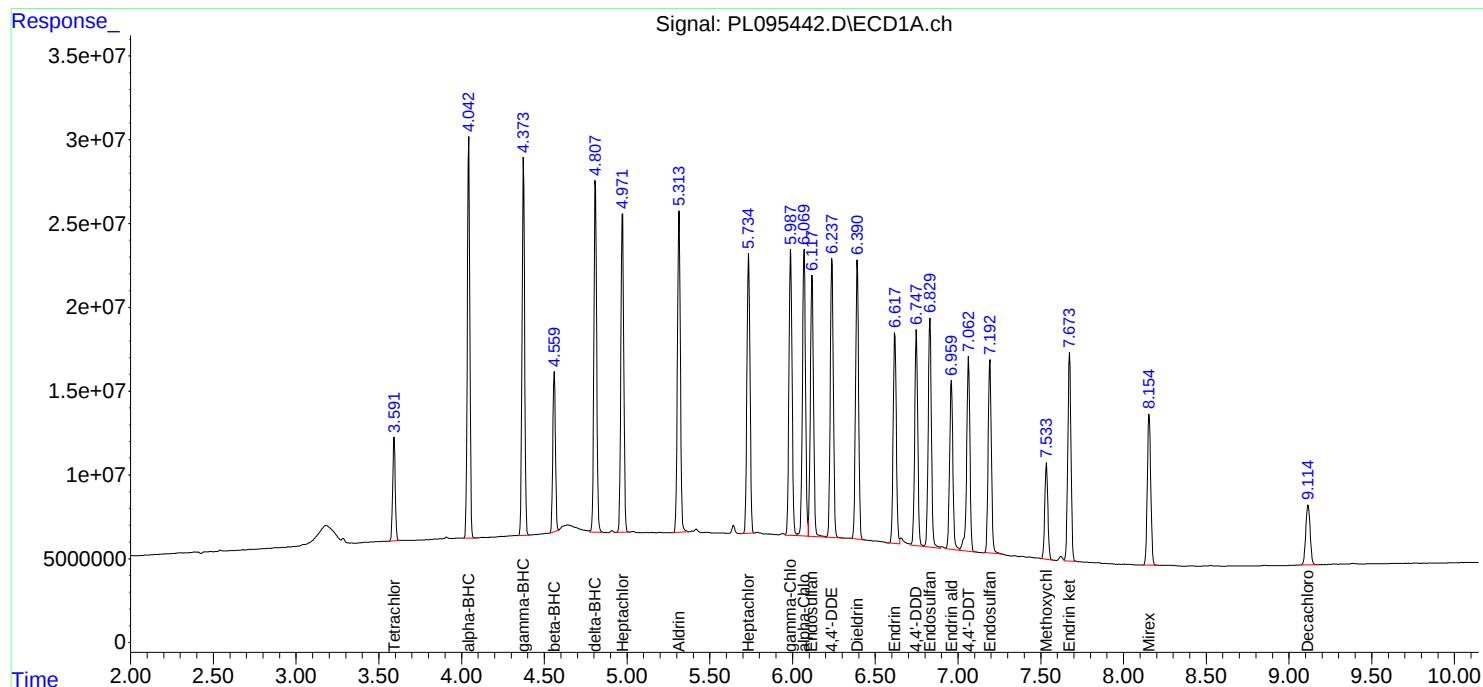
APPROVED

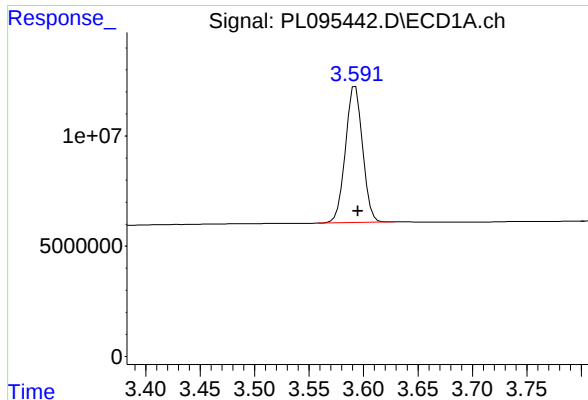
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





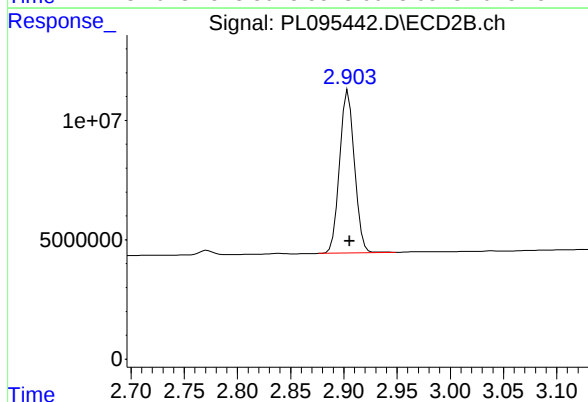
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 67647608
Conc: 20.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

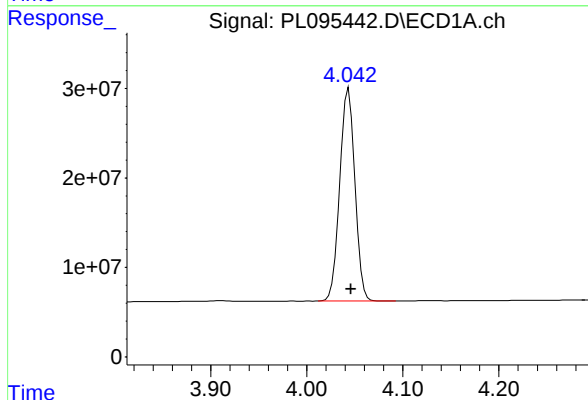
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



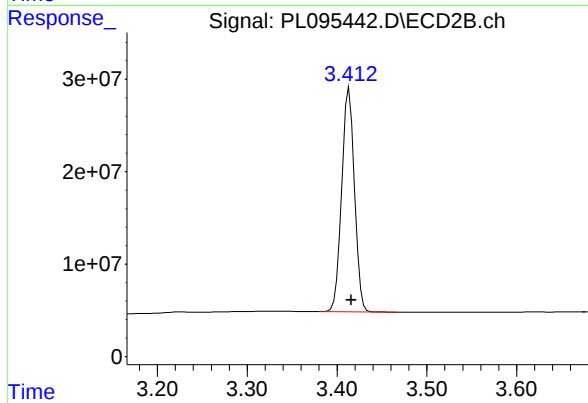
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 66214118
Conc: 20.82 ng/ml



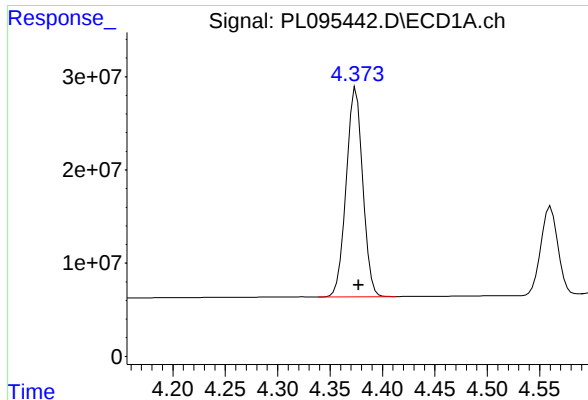
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257378879
Conc: 51.96 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 238399408
Conc: 53.59 ng/ml



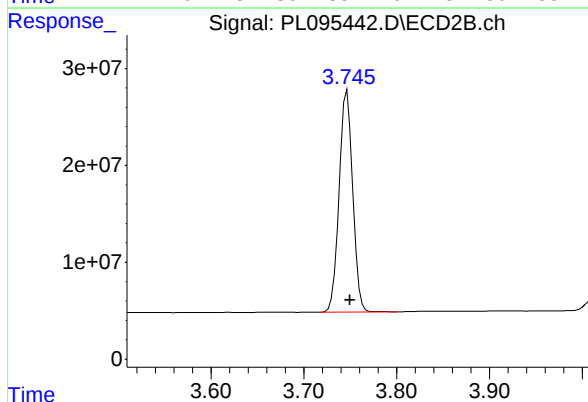
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 247889763
Conc: 52.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

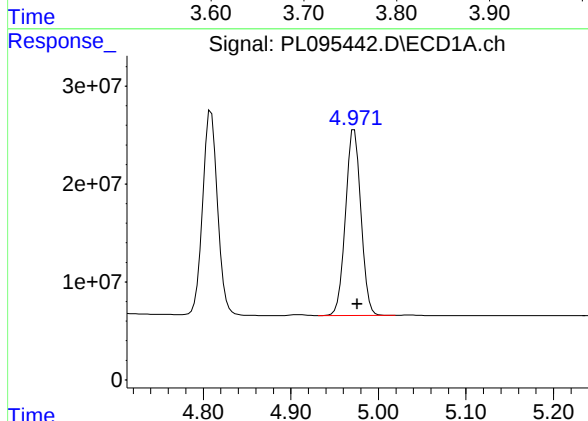
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



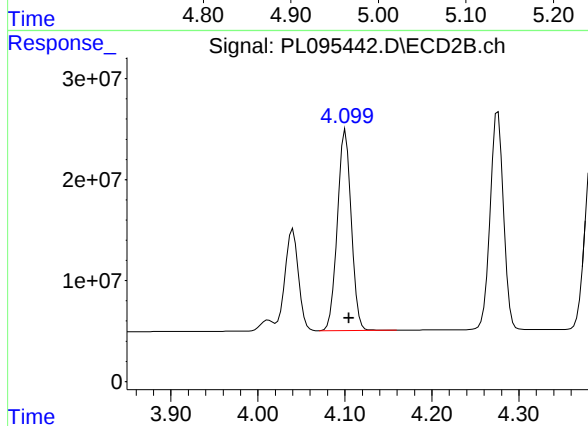
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 232196492
Conc: 52.79 ng/ml



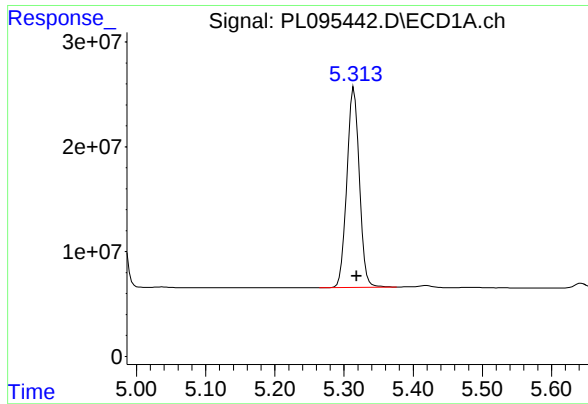
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 231660801
Conc: 50.64 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 220487445
Conc: 50.61 ng/ml



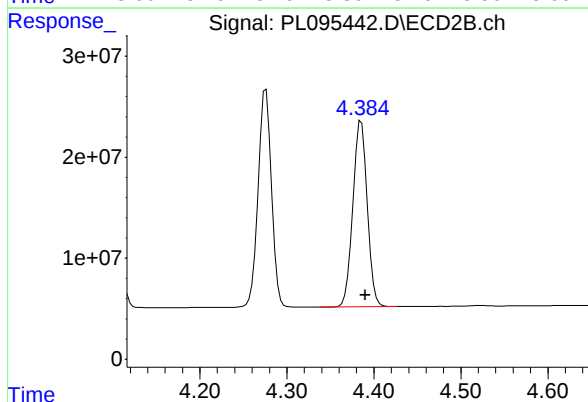
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239369244
Conc: 52.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

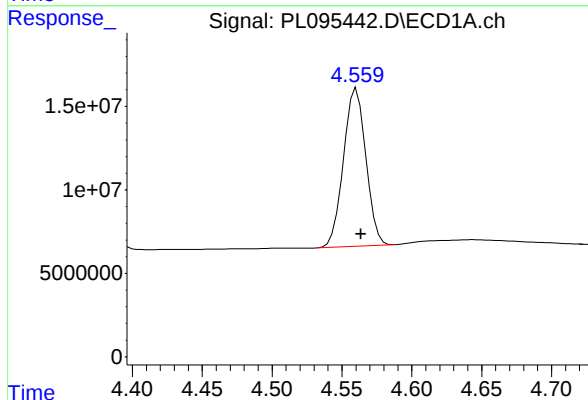
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



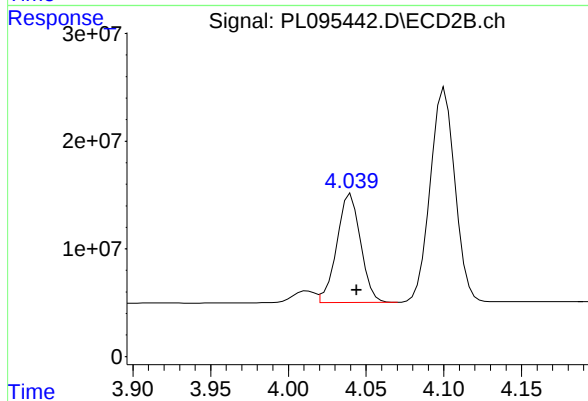
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 213086005
Conc: 51.77 ng/ml



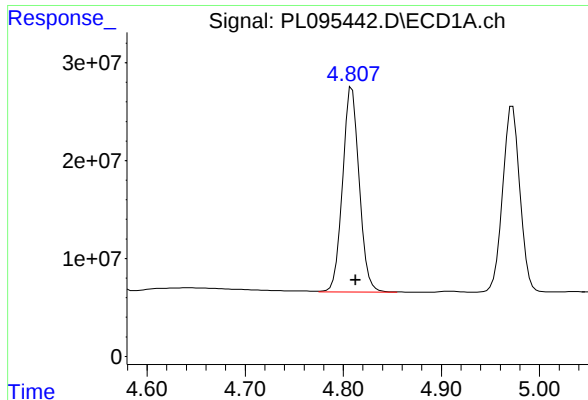
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 105713874
Conc: 51.13 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 107403202
Conc: 51.74 ng/ml



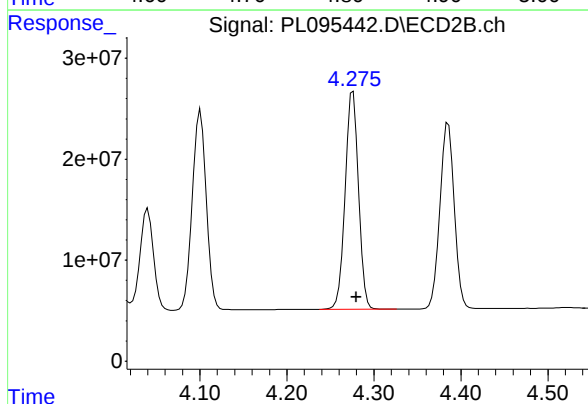
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 246637097
Conc: 53.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

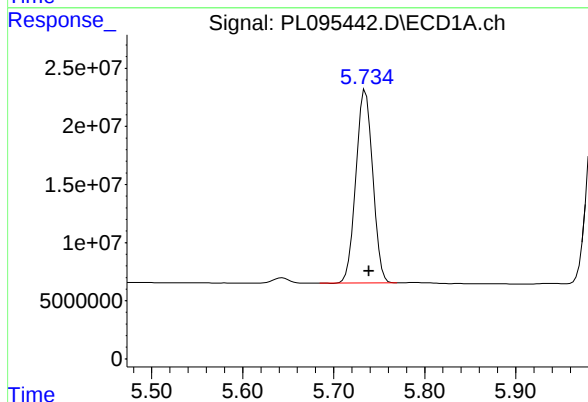
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/02/2025



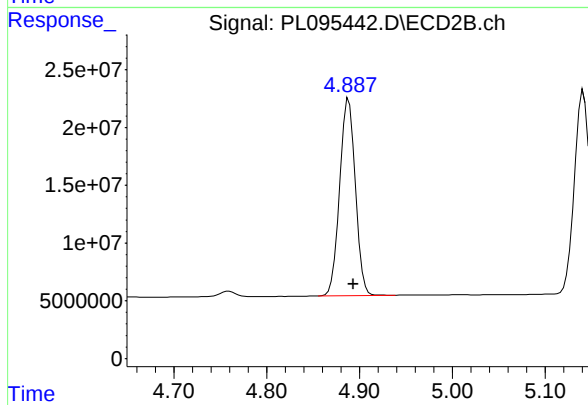
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 232150594
Conc: 52.98 ng/ml



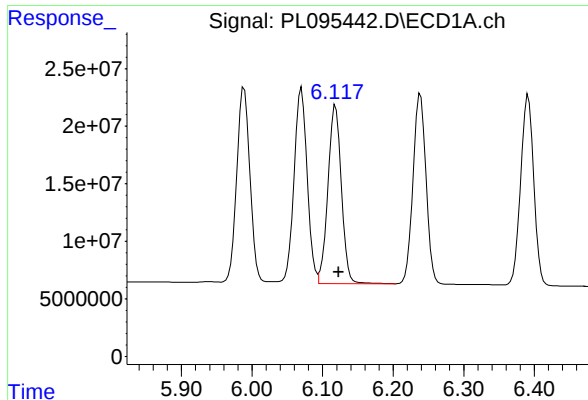
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214998835
Conc: 53.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 200739473
Conc: 51.97 ng/ml



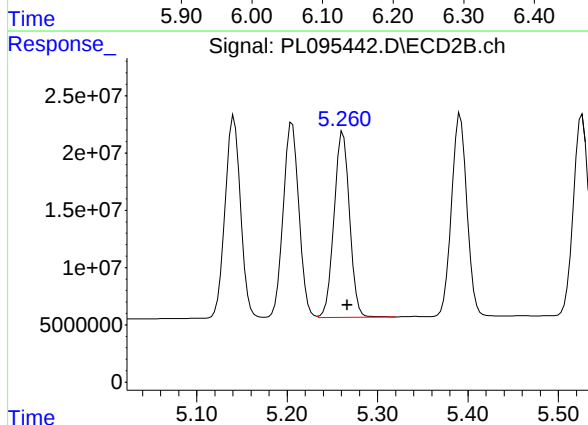
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 206198191
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

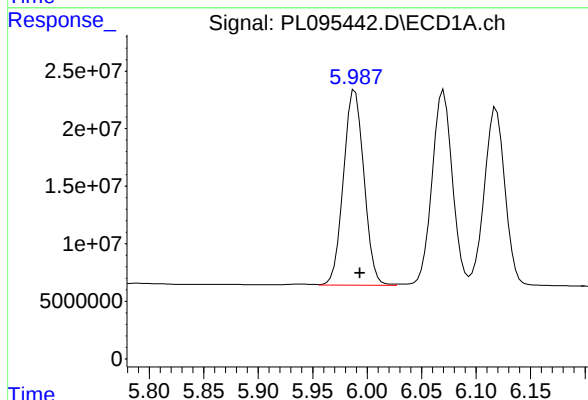
Manual Integrations
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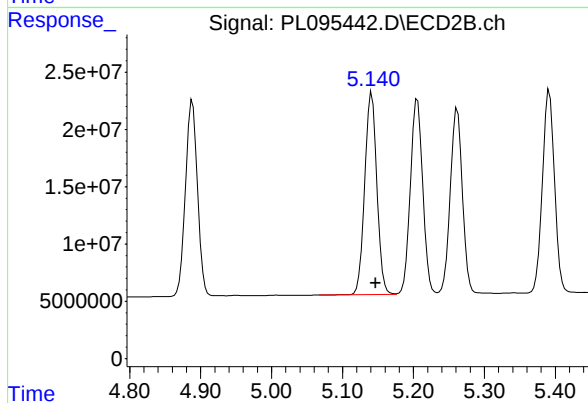
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 192382261
Conc: 52.56 ng/ml



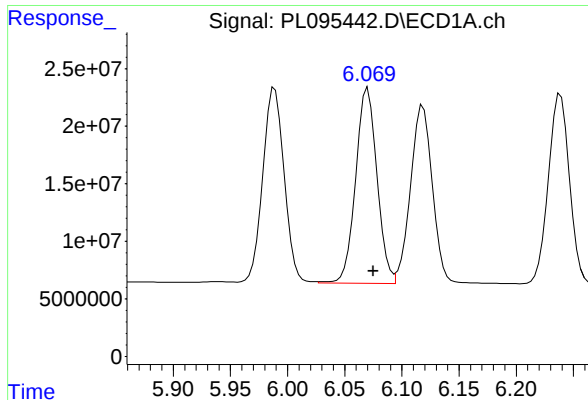
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 222046131
Conc: 54.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 209516921
Conc: 51.70 ng/ml



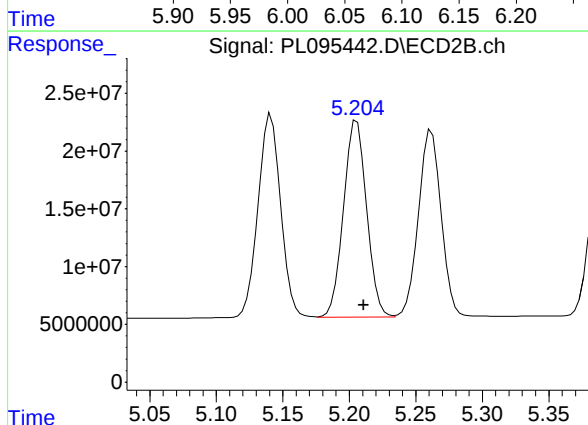
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 220622387
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

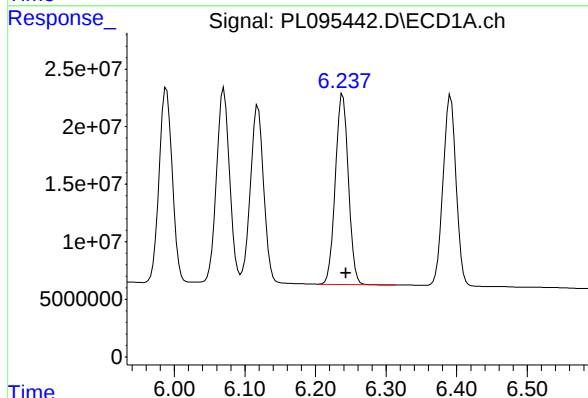
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025



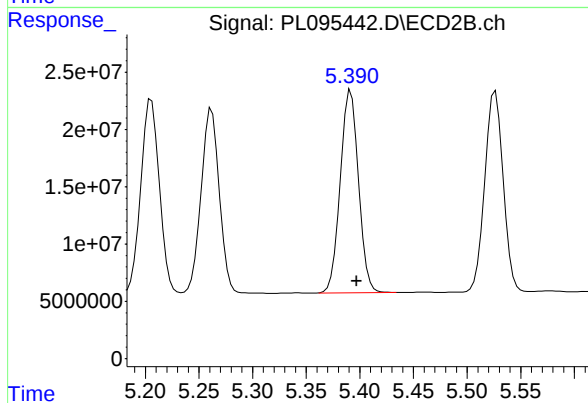
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 206356726
Conc: 51.83 ng/ml



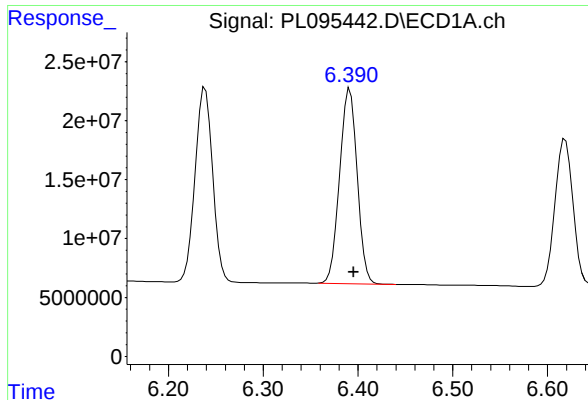
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 213568133
Conc: 54.47 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 208950665
Conc: 51.38 ng/ml



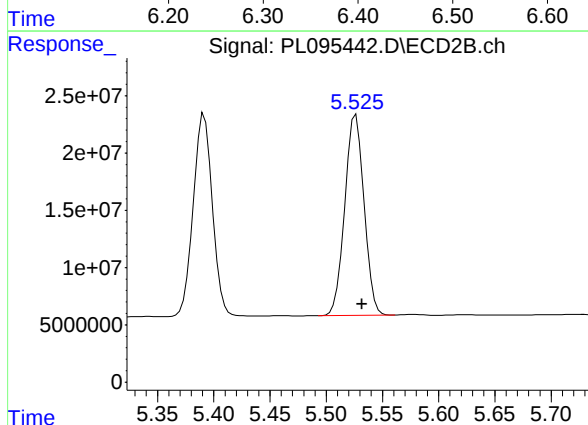
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 212479933
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

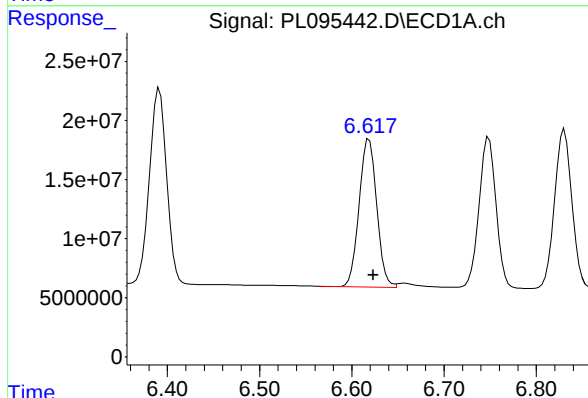
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



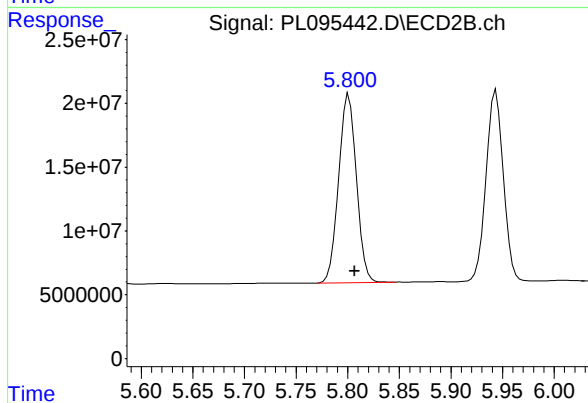
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 209120985
Conc: 51.42 ng/ml



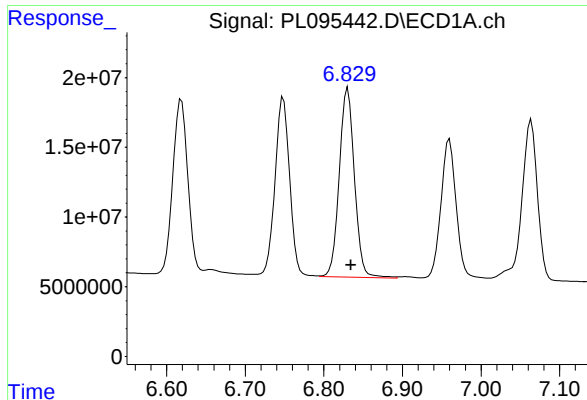
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166586501
Conc: 52.31 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 177005235
Conc: 48.62 ng/ml



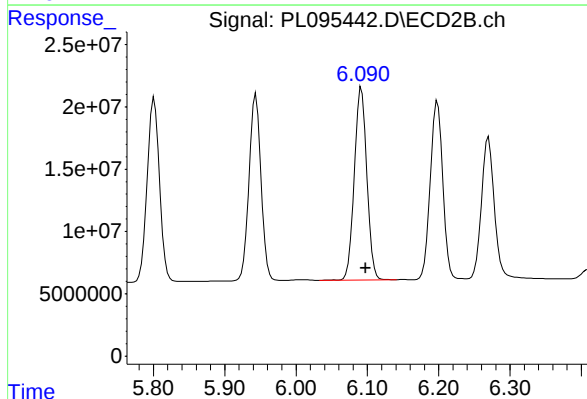
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 181808175
Conc: 56.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

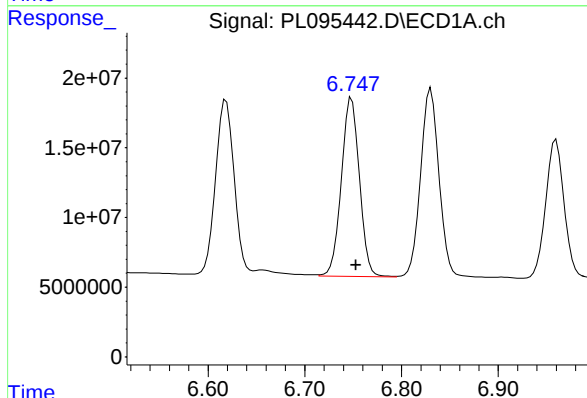
Manual Integrations
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Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



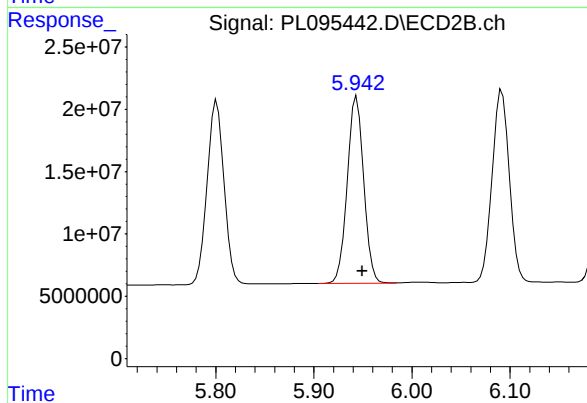
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.006 min
Response: 188795863
Conc: 52.57 ng/ml



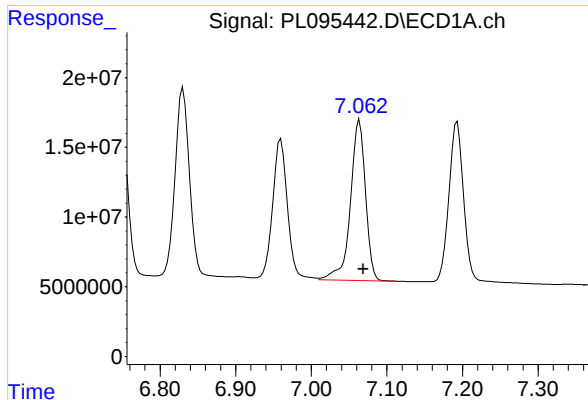
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 166203747
Conc: 58.71 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 174922118
Conc: 53.55 ng/ml



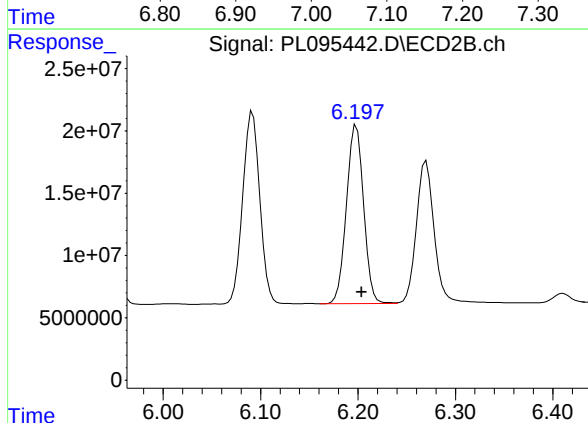
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159873682
Conc: 56.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

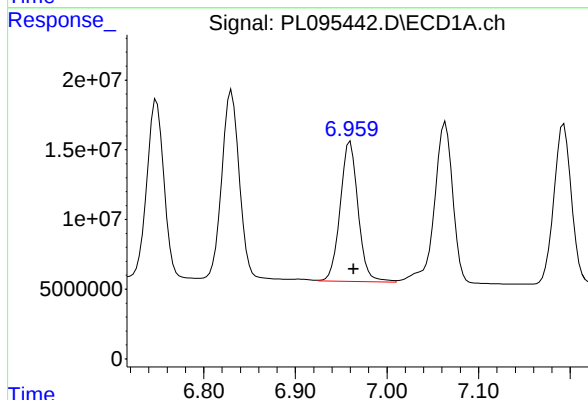
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



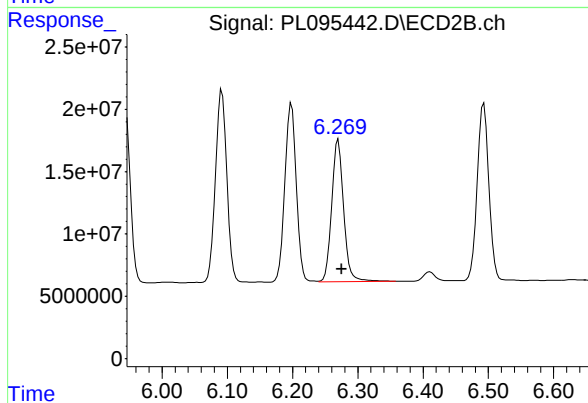
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 174826274
Conc: 50.88 ng/ml



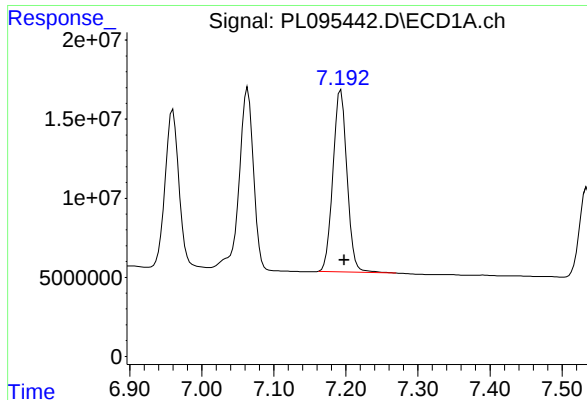
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 136513657
Conc: 58.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.005 min
Response: 144491719
Conc: 55.29 ng/ml



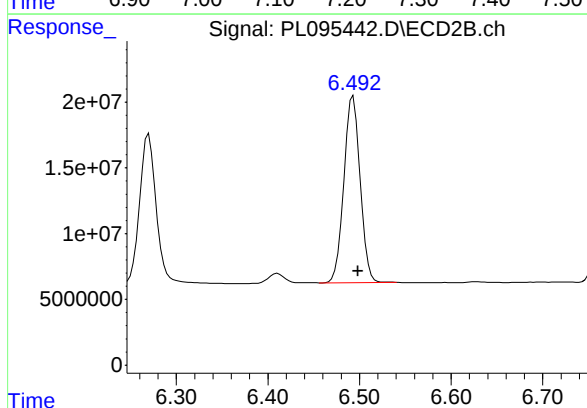
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 154730202
Conc: 55.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

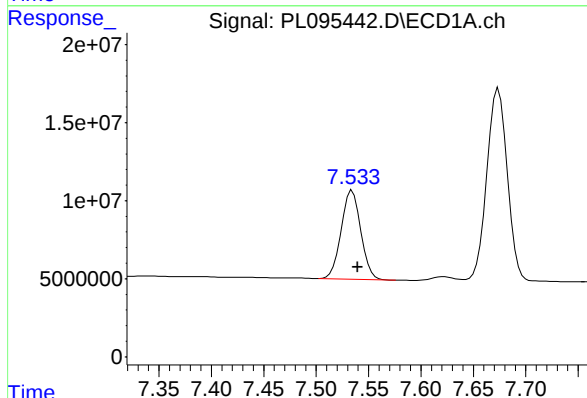
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



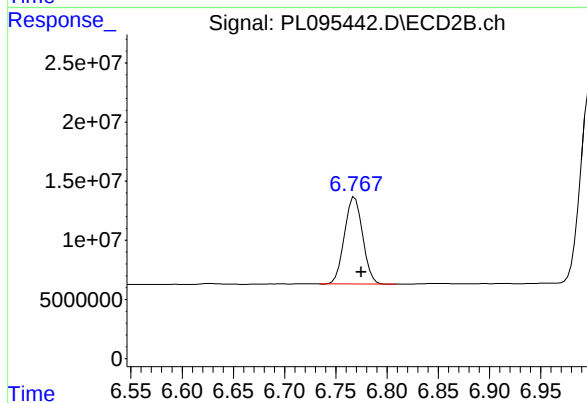
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.005 min
Response: 175690775
Conc: 52.95 ng/ml



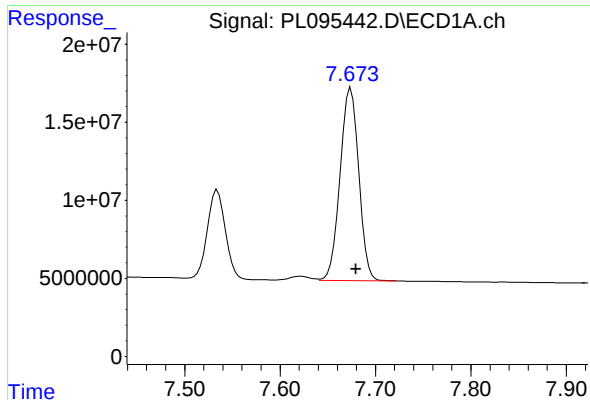
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 74241669
Conc: 53.21 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 90721249
Conc: 47.56 ng/ml



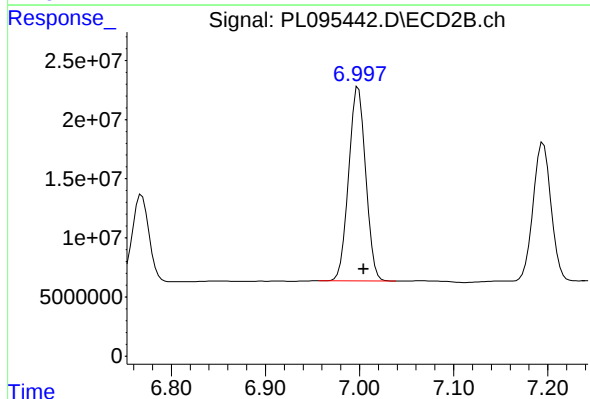
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 167563426
Conc: 58.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

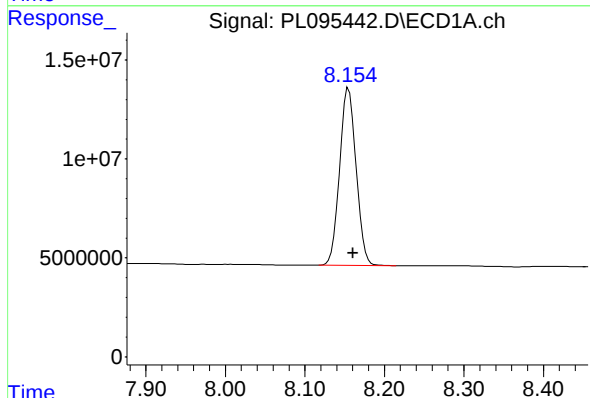
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



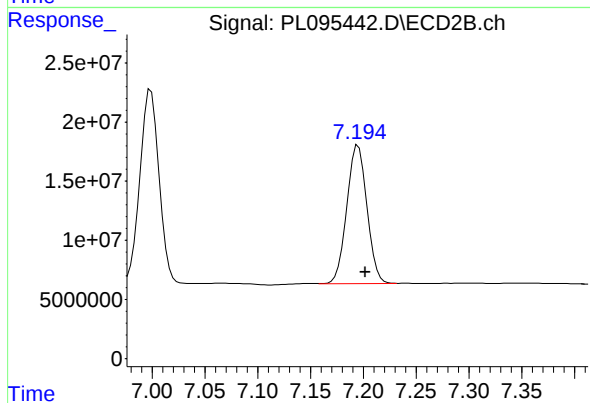
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 206495278
Conc: 58.64 ng/ml



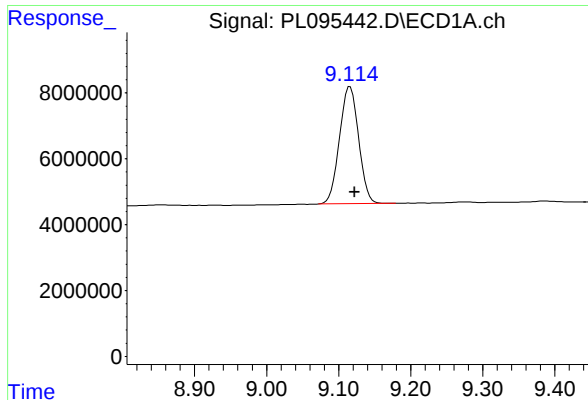
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.006 min
Response: 129133243
Conc: 54.35 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 155595564
Conc: 53.98 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.007 min
Response: 65376502
Conc: 23.59 ng/ml

Instrument :

ECD_L

ClientSampleId :

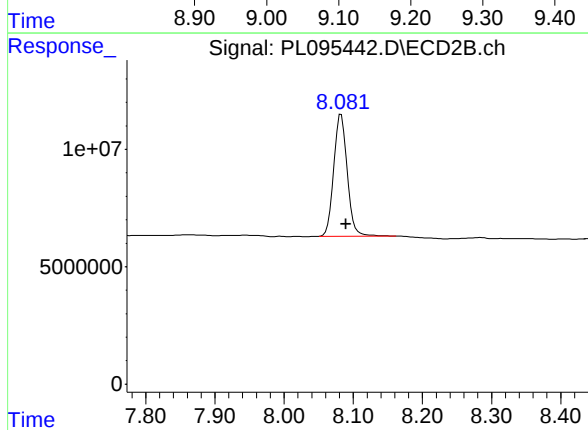
PB167766BS

Manual Integrations

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Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 70362619
Conc: 23.78 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-1MS	SDG No.:	Q1889
Lab Sample ID:	Q1889-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095444.D	1	04/28/25 09:05	04/28/25 17:22	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	20.3		0.15	2.10	ug/kg
60-57-1	Dieldrin	21.2		0.17	2.10	ug/kg
72-55-9	4,4-DDE	21.1		0.17	2.10	ug/kg
72-54-8	4,4-DDD	23.1		0.18	2.10	ug/kg
50-29-3	4,4-DDT	21.3		0.17	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	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\PL043025\
 Data File : PL095444.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:22
 Operator : AR\AJ
 Sample : Q1889-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.593	2.904	59045523	58664256	18.086	18.449
2) SA Decachlor...	9.115	8.081	48789481	52807434	17.608	17.845m
Target Compounds						
2) A alpha-BHC	4.043	3.413	246.4E6	232.2E6	49.731	52.189
3) MA gamma-BHC...	4.373	3.747	235.9E6	225.1E6	49.841m	51.179
4) MA Heptachlor	4.972	4.100	222.0E6	213.7E6	48.530	49.049
5) MB Aldrin	5.314	4.386	228.4E6	207.1E6	49.732	50.326
6) B beta-BHC	4.560	4.038	100.8E6	103.1E6	48.744	49.685m
7) B delta-BHC	4.807	4.276	231.1E6	222.9E6	49.685m	50.876
8) B Heptachlo...	5.735	4.888	204.8E6	193.1E6	51.141	49.986
9) A Endosulfan I	6.117	5.261	197.6E6	184.7E6	52.026	50.470
10) B gamma-Chl...	5.989	5.141	213.4E6	202.3E6	52.305	49.910
11) B alpha-Chl...	6.070	5.205	210.1E6	199.1E6	51.676	50.023
12) B 4,4'-DDE	6.238	5.391	204.5E6	201.5E6	52.160	49.548
13) MA Dieldrin	6.391	5.526	202.9E6	200.6E6	52.642	49.313
14) MA Endrin	6.618	5.801	167.3E6	176.4E6	52.522	48.465
15) B Endosulfa...	6.830	6.091	174.4E6	185.3E6	54.630	51.603
16) A 4,4'-DDD	6.748	5.943	162.0E6	164.7E6	57.240	50.418
17) MA 4,4'-DDT	7.063	6.198	150.1E6	168.1E6	52.684	48.909
18) B Endrin al...	6.960	6.269	123.4E6	131.5E6	53.168	50.311
19) B Endosulfa...	7.193	6.493	149.2E6	164.0E6	53.264	49.433
20) A Methoxychlor	7.535	6.768	70476694	90353671	50.516	47.369
21) B Endrin ke...	7.674	6.998	154.8E6	198.0E6	54.283	56.235
22) Mirex	8.155	7.194	125.3E6	155.5E6	52.733	53.939

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:22
Operator : AR\AJ
Sample : Q1889-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MS

Manual Integrations

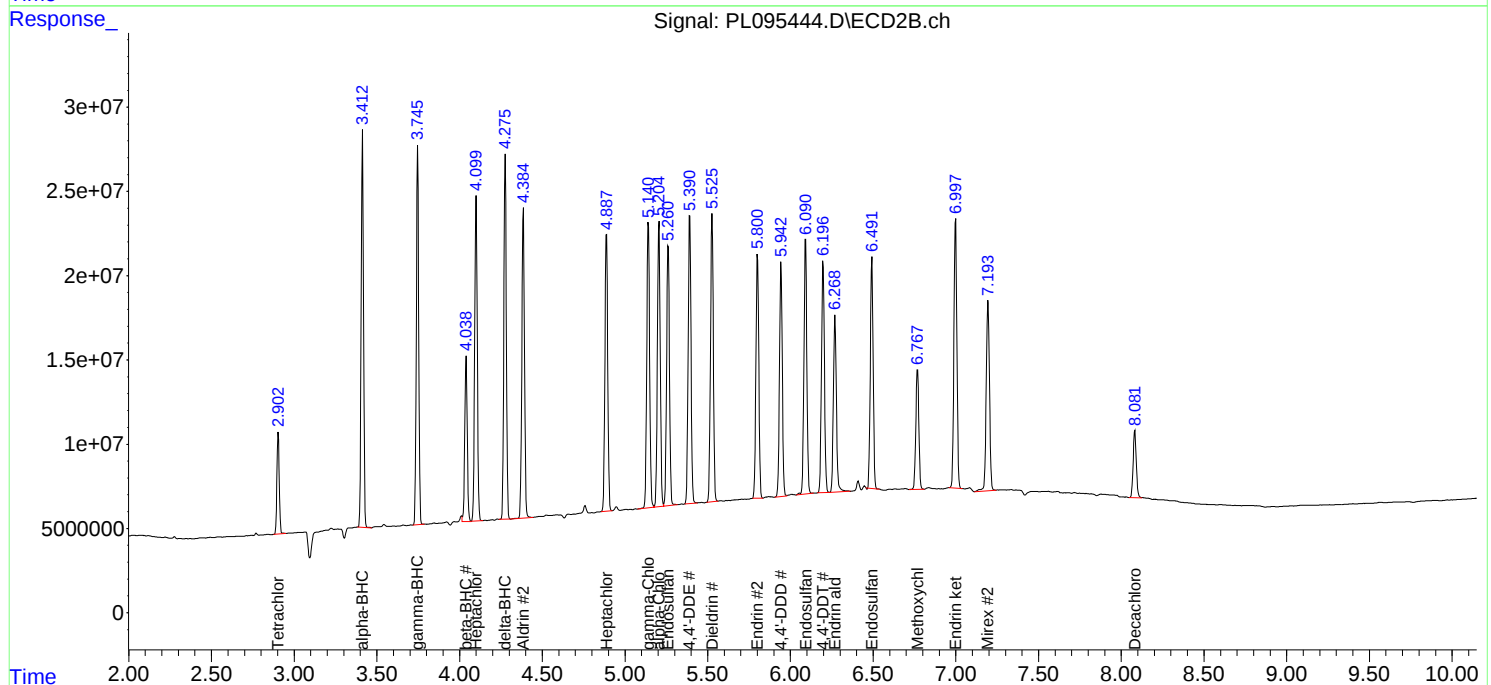
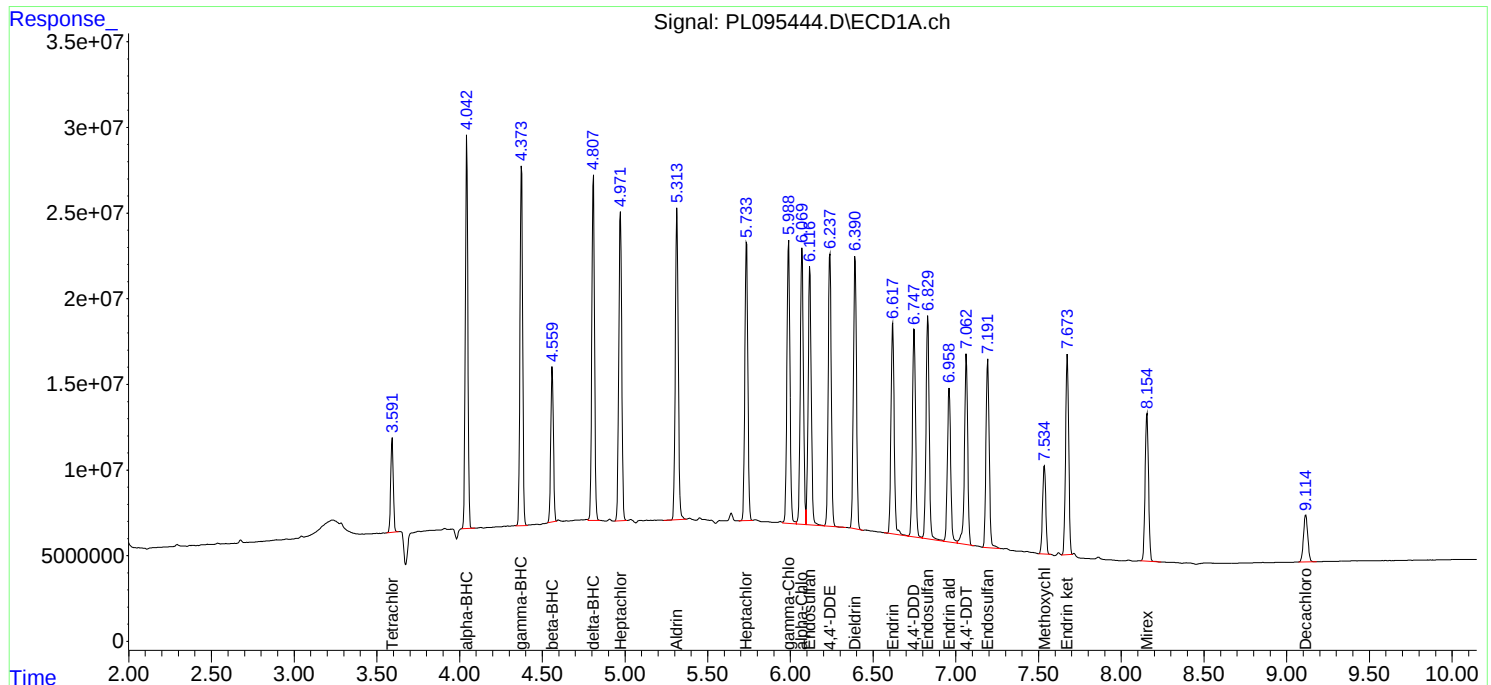
APPROVED

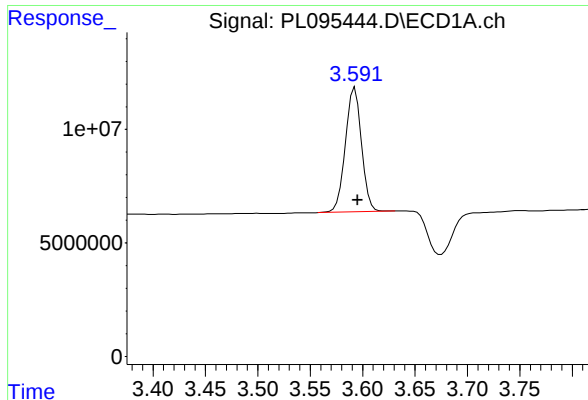
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





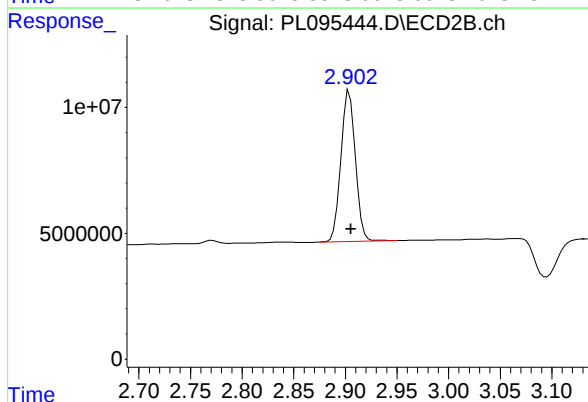
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 59045523
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

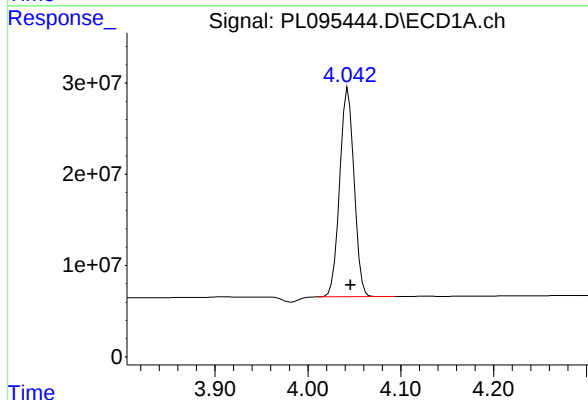
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/02/2025



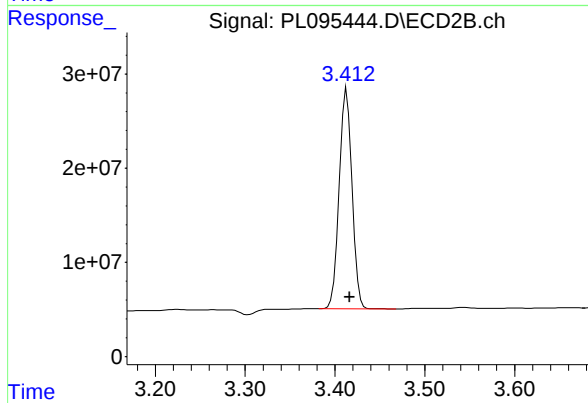
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 58664256
Conc: 18.45 ng/ml



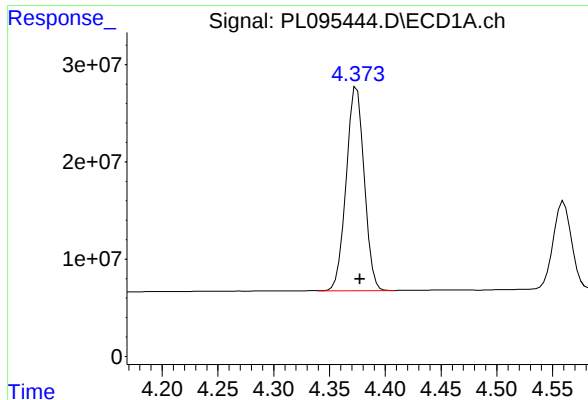
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 246353848
Conc: 49.73 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 232176269
Conc: 52.19 ng/ml



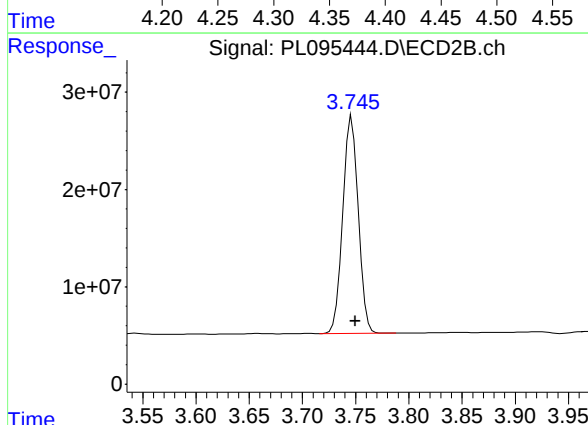
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 235946145
Conc: 49.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

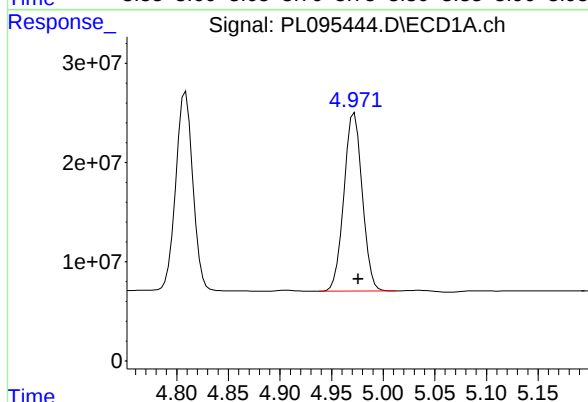
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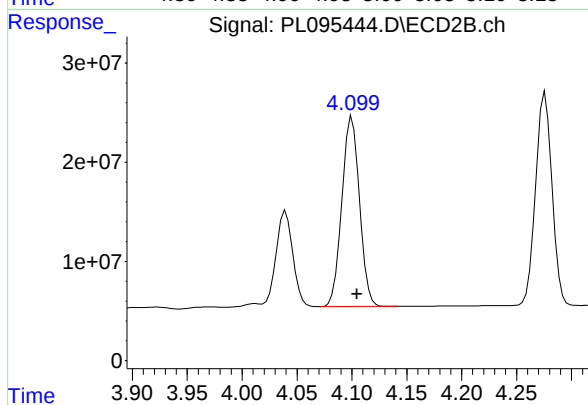
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 225096372
Conc: 51.18 ng/ml



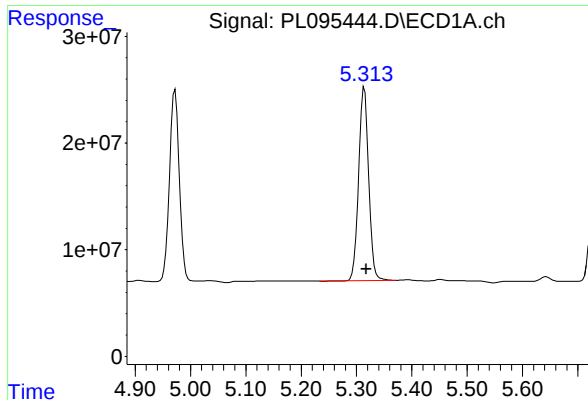
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 221999339
Conc: 48.53 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 213690746
Conc: 49.05 ng/ml



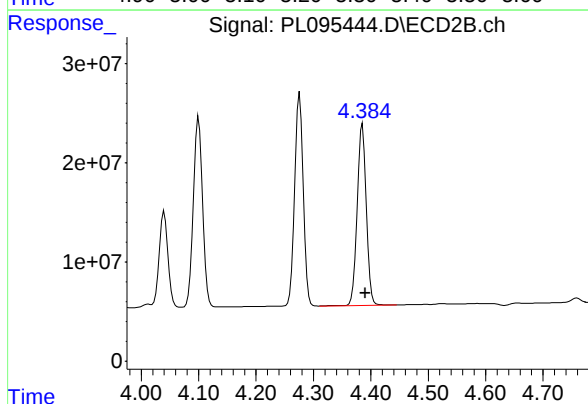
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 228420785
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

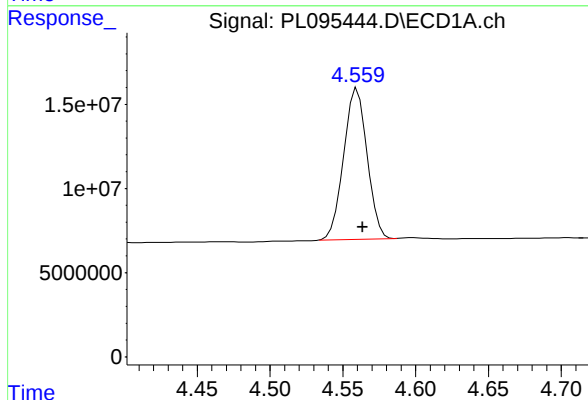
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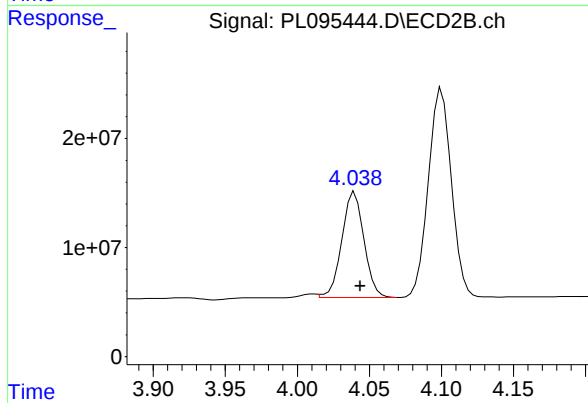
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 207127485
Conc: 50.33 ng/ml



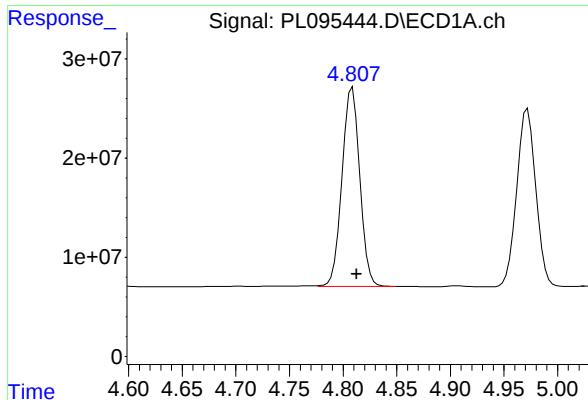
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 100778322
Conc: 48.74 ng/ml



#6 beta-BHC

R.T.: 4.038 min
Delta R.T.: -0.005 min
Response: 103139520
Conc: 49.69 ng/ml m



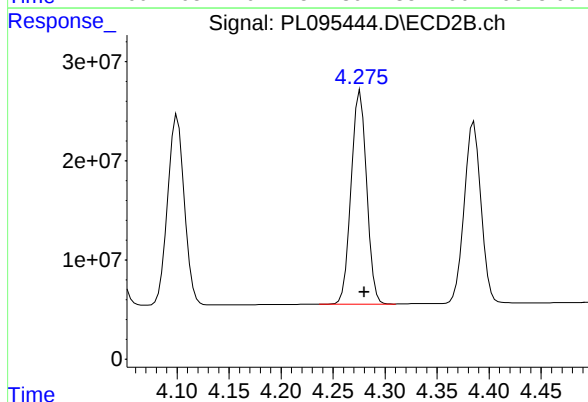
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 231069724
Conc: 49.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

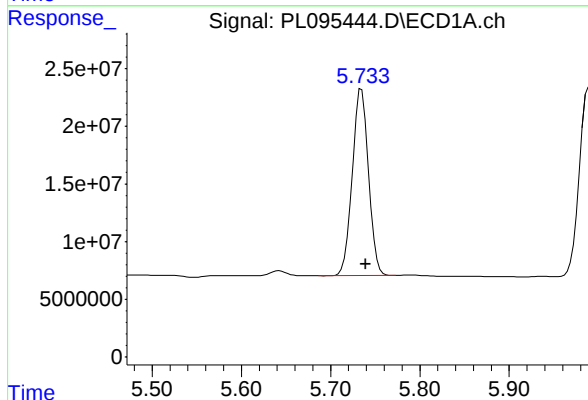
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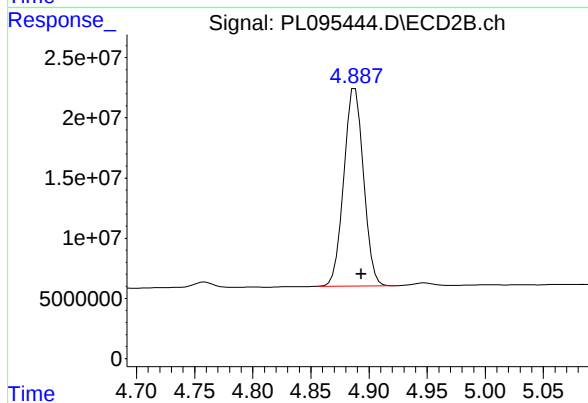
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 222937632
Conc: 50.88 ng/ml



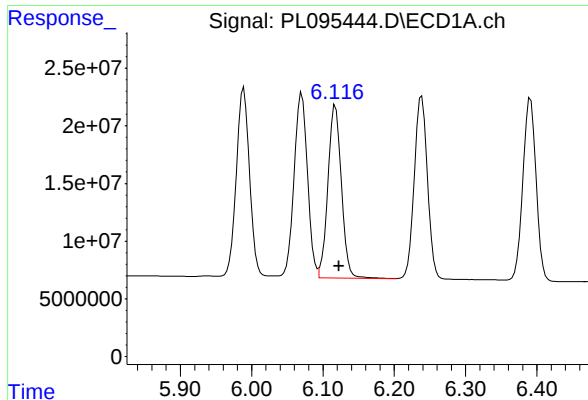
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 204828759
Conc: 51.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 193077876
Conc: 49.99 ng/ml



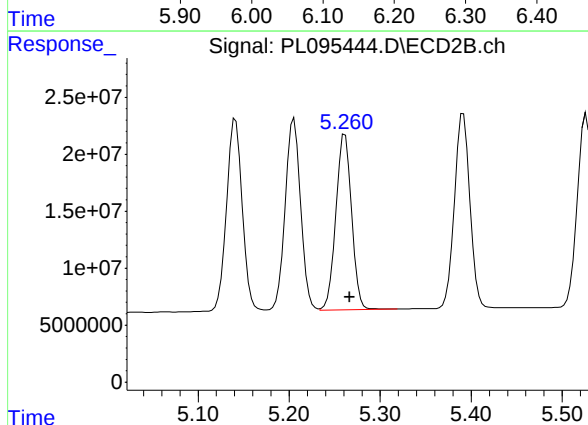
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 197567431
Conc: 52.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

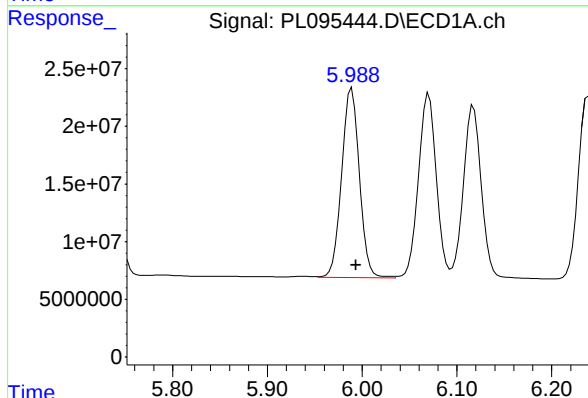
Manual Integrations
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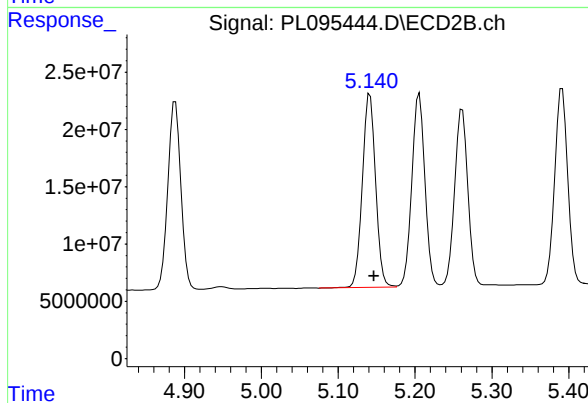
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.005 min
Response: 184742608
Conc: 50.47 ng/ml



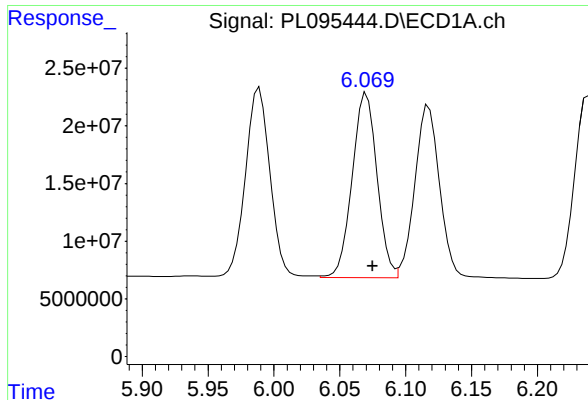
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 213369924
Conc: 52.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 202269991
Conc: 49.91 ng/ml



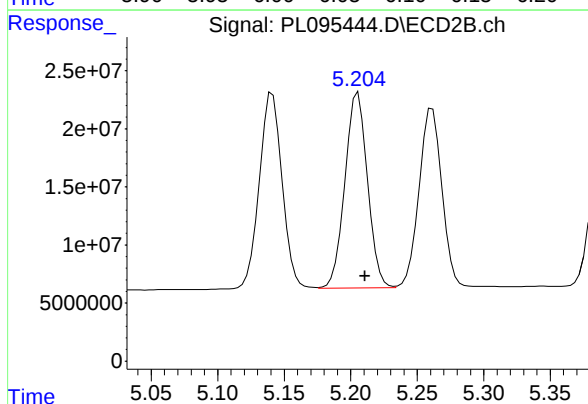
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 210118144
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

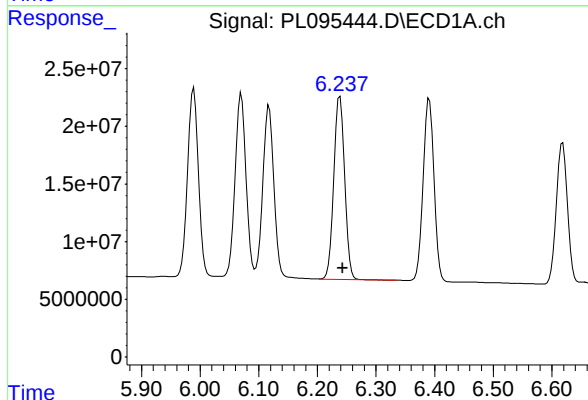
Manual Integrations
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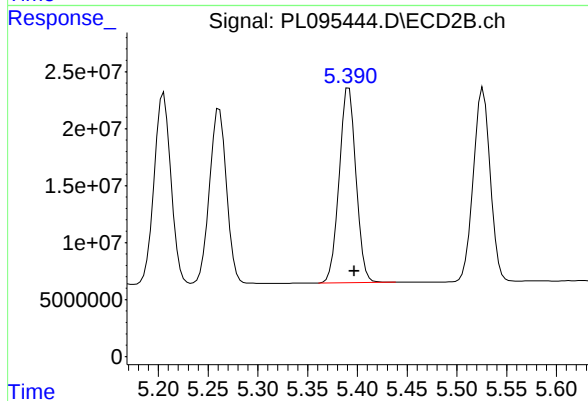
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 199144814
Conc: 50.02 ng/ml



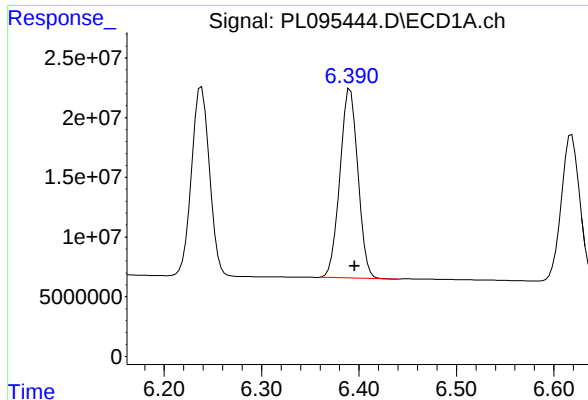
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 204496016
Conc: 52.16 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.005 min
Response: 201510459
Conc: 49.55 ng/ml



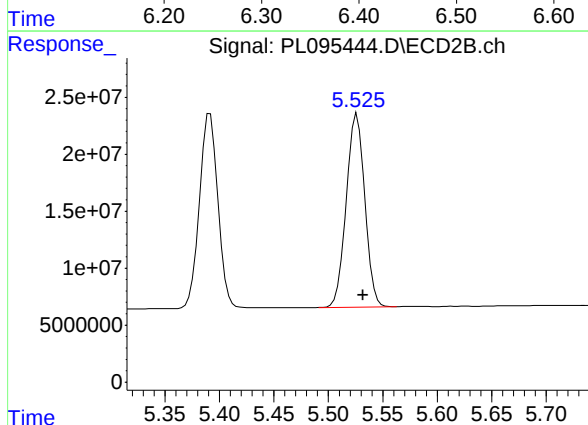
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 202923413
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

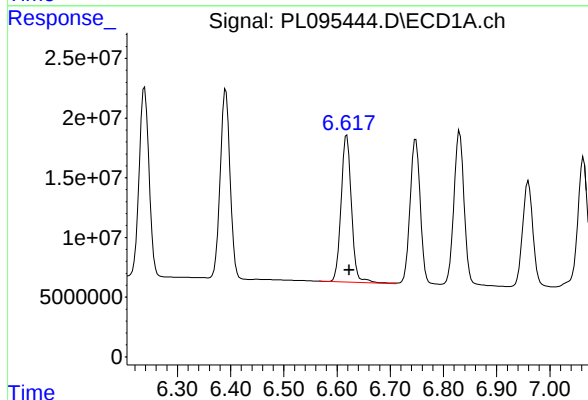
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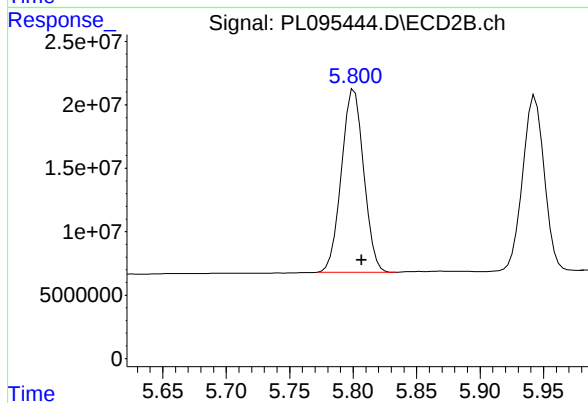
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 200559713
Conc: 49.31 ng/ml



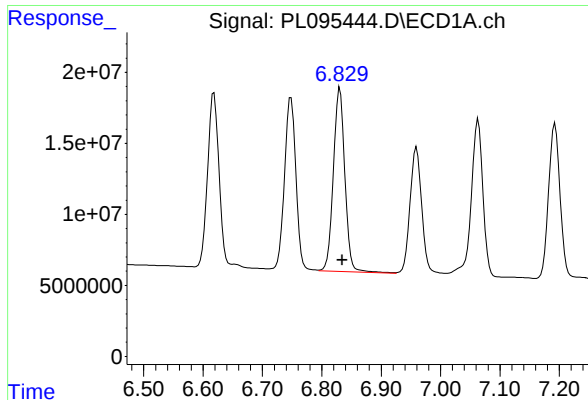
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 167268050
Conc: 52.52 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 176447243
Conc: 48.46 ng/ml



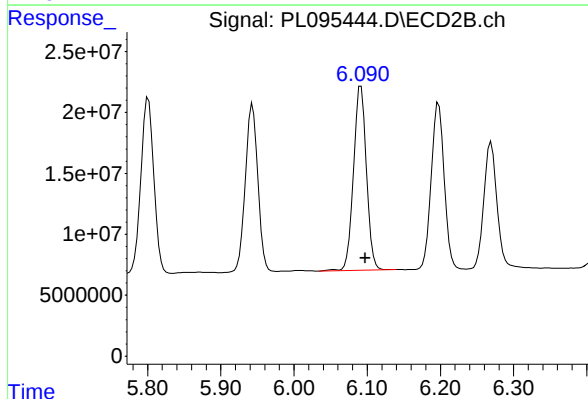
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 174387772
Conc: 54.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

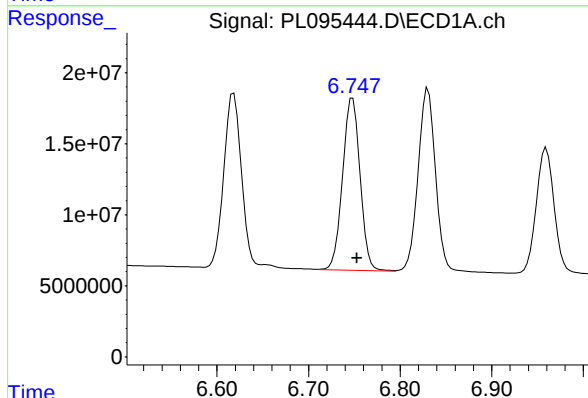
Manual Integrations
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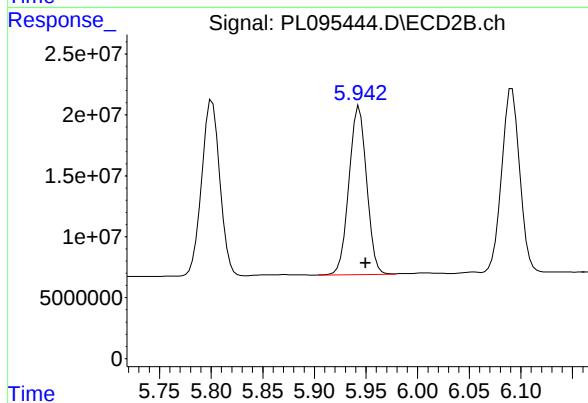
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 185313045
Conc: 51.60 ng/ml



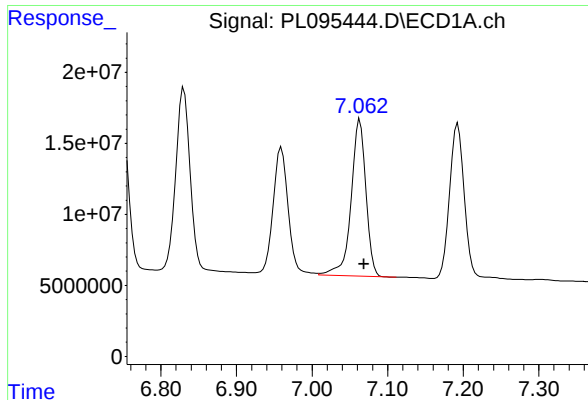
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 162043381
Conc: 57.24 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 164705892
Conc: 50.42 ng/ml



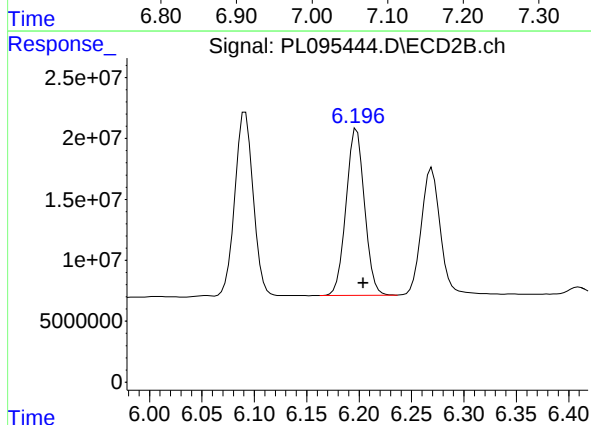
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 150074347
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

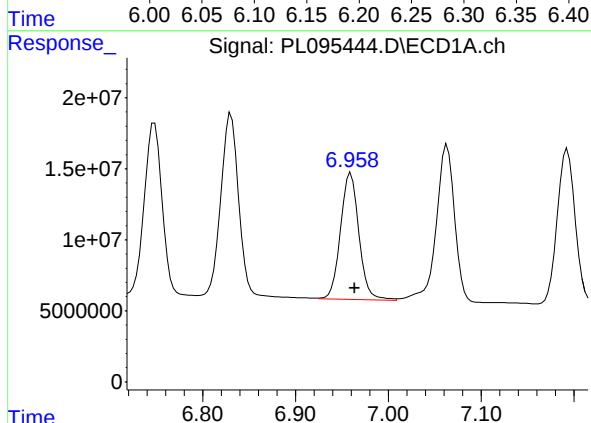
Manual Integrations
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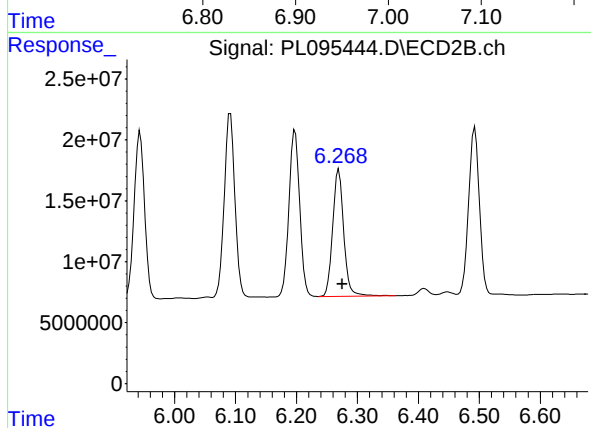
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 168061473
Conc: 48.91 ng/ml



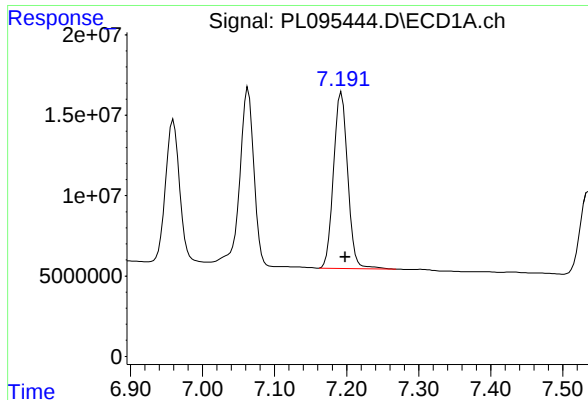
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 123392865
Conc: 53.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 131471183
Conc: 50.31 ng/ml



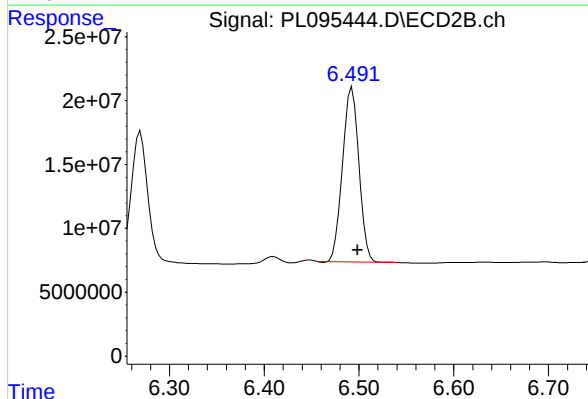
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 149235960
Conc: 53.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

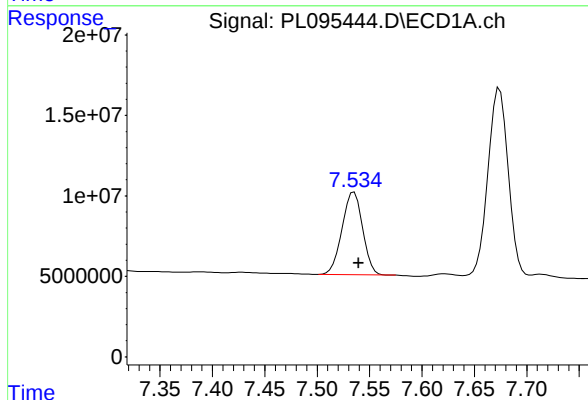
Manual Integrations
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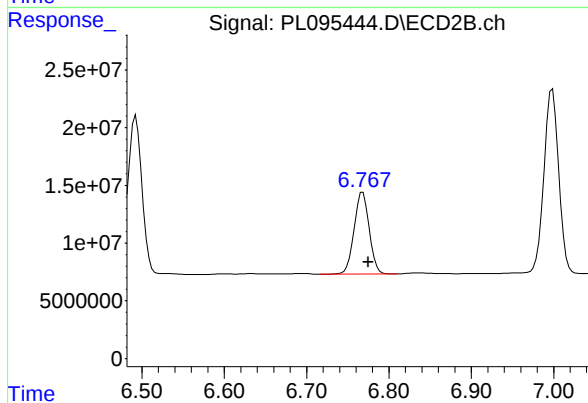
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 164013758
Conc: 49.43 ng/ml



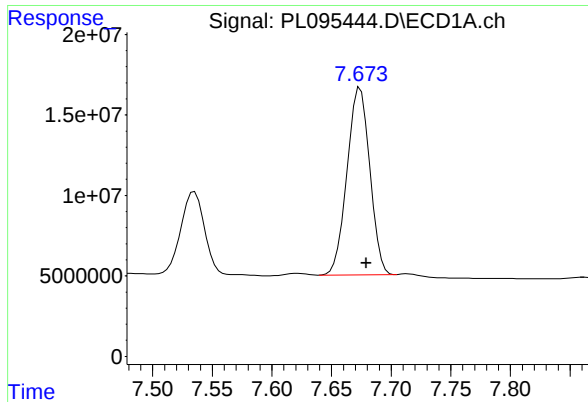
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.004 min
Response: 70476694
Conc: 50.52 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.007 min
Response: 90353671
Conc: 47.37 ng/ml



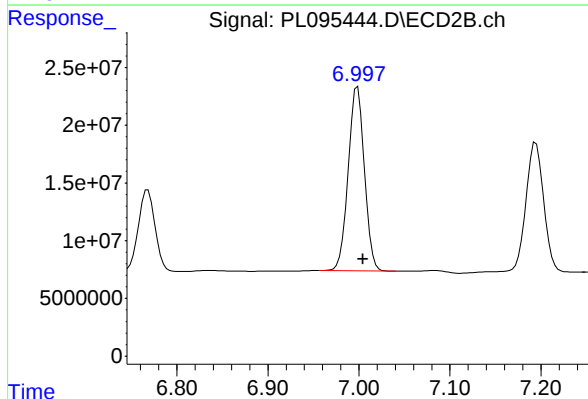
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 154755354
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

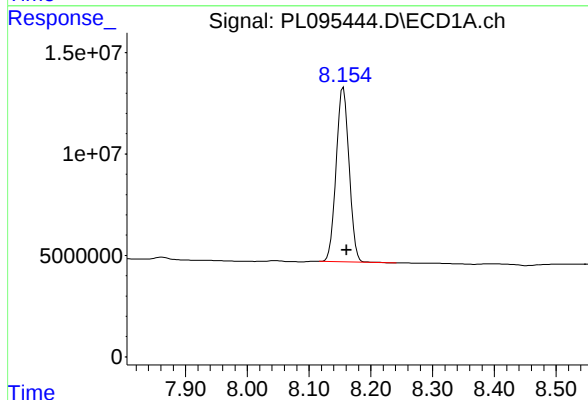
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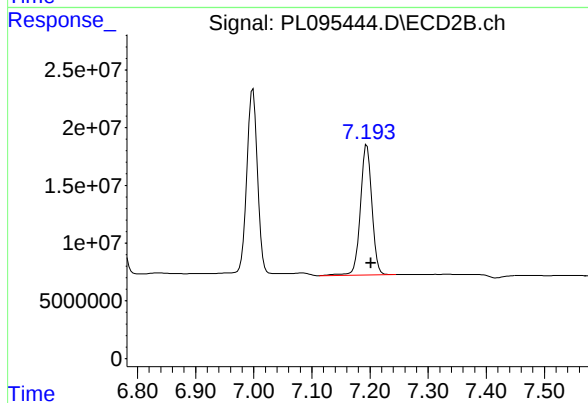
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 198021326
Conc: 56.24 ng/ml



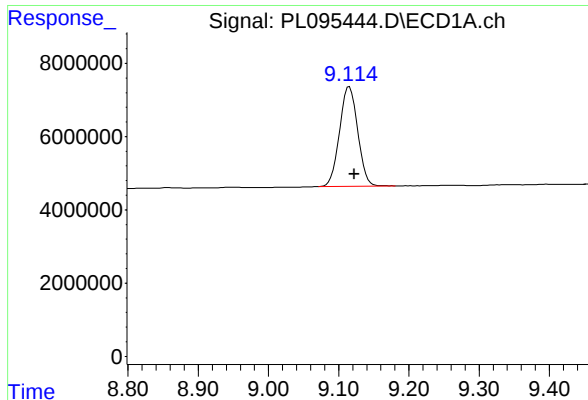
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 125294670
Conc: 52.73 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 155472549
Conc: 53.94 ng/ml



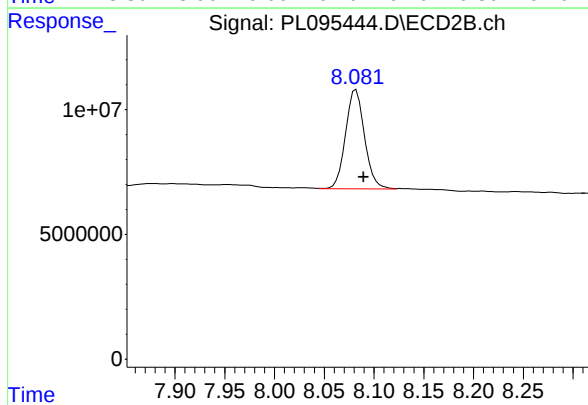
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48789481
Conc: 17.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.009 min
Response: 52807434
Conc: 17.84 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-1MSD	SDG No.:	Q1889
Lab Sample ID:	Q1889-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095445.D	1	04/28/25 09:05	04/28/25 17:36	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	20.1		0.15	2.10	ug/kg
60-57-1	Dieldrin	21.0		0.17	2.10	ug/kg
72-55-9	4,4-DDE	20.8		0.17	2.10	ug/kg
72-54-8	4,4-DDD	22.8		0.18	2.10	ug/kg
50-29-3	4,4-DDT	20.9		0.17	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		20 - 144	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		19 - 148	90%	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\PL043025\
 Data File : PL095445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:36
 Operator : AR\AJ
 Sample : Q1889-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MSD

Manual Integrations**APPROVED**

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Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.592	2.904	58425493	57181041	17.896	17.983
28)	SA Decachlor...	9.115	8.082	48269853	50724520	17.421	17.141
Target Compounds							
2)	A alpha-BHC	4.043	3.413	244.0E6	230.1E6	49.246	51.714
3)	MA gamma-BHC...	4.373	3.746	233.1E6	223.2E6	49.250m	50.759
4)	MA Heptachlor	4.972	4.100	220.7E6	211.6E6	48.253	48.570
5)	MB Aldrin	5.314	4.385	226.3E6	205.2E6	49.265	49.868
6)	B beta-BHC	4.560	4.040	99681902	101.3E6	48.213	48.788
7)	B delta-BHC	4.807	4.276	229.1E6	220.8E6	49.267m	50.394
8)	B Heptachlo...	5.734	4.888	202.9E6	191.0E6	50.672	49.444
9)	A Endosulfan I	6.118	5.261	195.4E6	183.0E6	51.447	49.992
10)	B gamma-Chl...	5.989	5.139	210.5E6	199.2E6	51.599	49.159m
11)	B alpha-Chl...	6.070	5.205	207.8E6	197.3E6	51.099	49.557
12)	B 4,4'-DDE	6.239	5.391	201.8E6	200.1E6	51.474	49.212
13)	MA Dieldrin	6.391	5.526	201.0E6	198.0E6	52.152	48.673
14)	MA Endrin	6.618	5.800	166.1E6	173.9E6	52.144	47.763
15)	B Endosulfa...	6.830	6.091	172.1E6	181.9E6	53.929	50.658
16)	A 4,4'-DDD	6.748	5.943	160.2E6	163.5E6	56.592	50.063
17)	MA 4,4'-DDT	7.063	6.197	147.7E6	166.4E6	51.833	48.437
18)	B Endrin al...	6.959	6.269	123.5E6	131.7E6	53.199	50.398
19)	B Endosulfa...	7.193	6.491	148.4E6	166.1E6	52.983	50.059m
20)	A Methoxychlor	7.534	6.767	69311509	90789266	49.681	47.598
21)	B Endrin ke...	7.674	6.998	153.1E6	197.1E6	53.699	55.985
22)	Mirex	8.155	7.194	123.5E6	150.6E6	51.990	52.263

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:36
Operator : AR\AJ
Sample : Q1889-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MSD

Manual Integrations

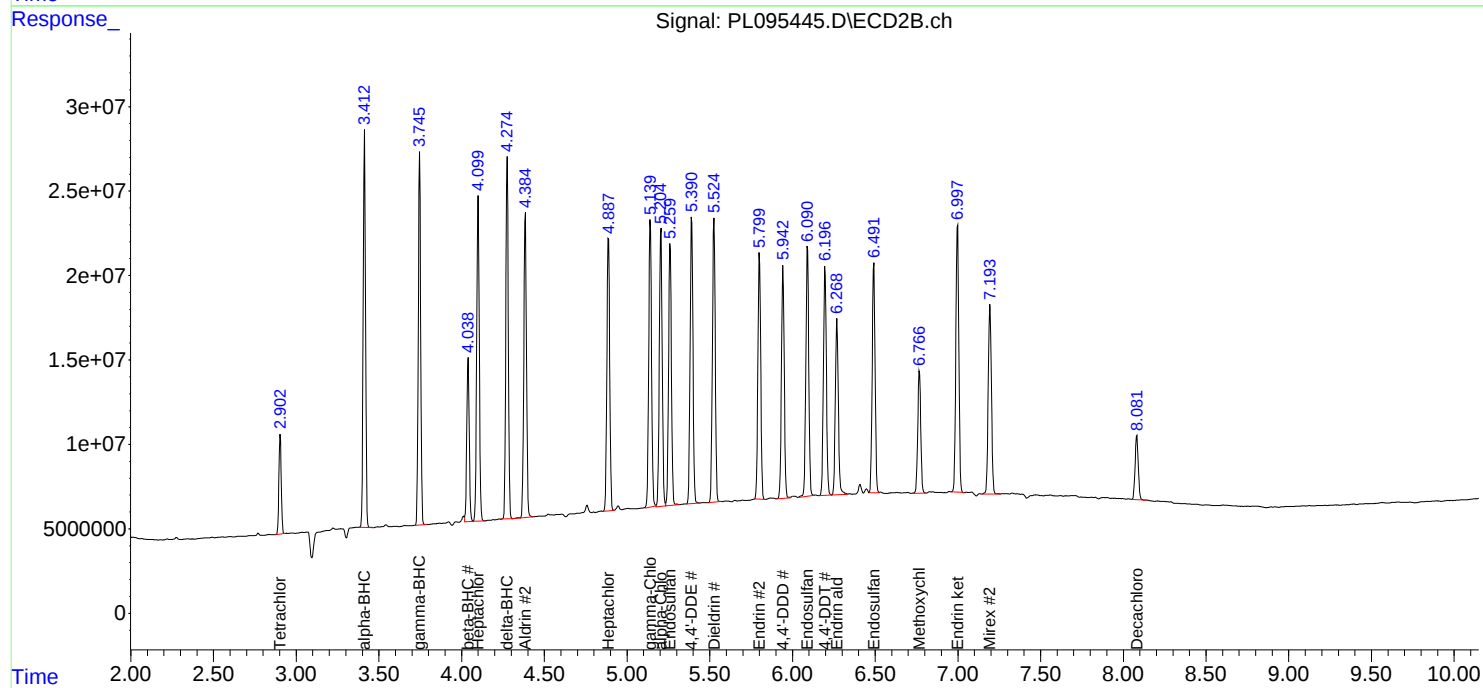
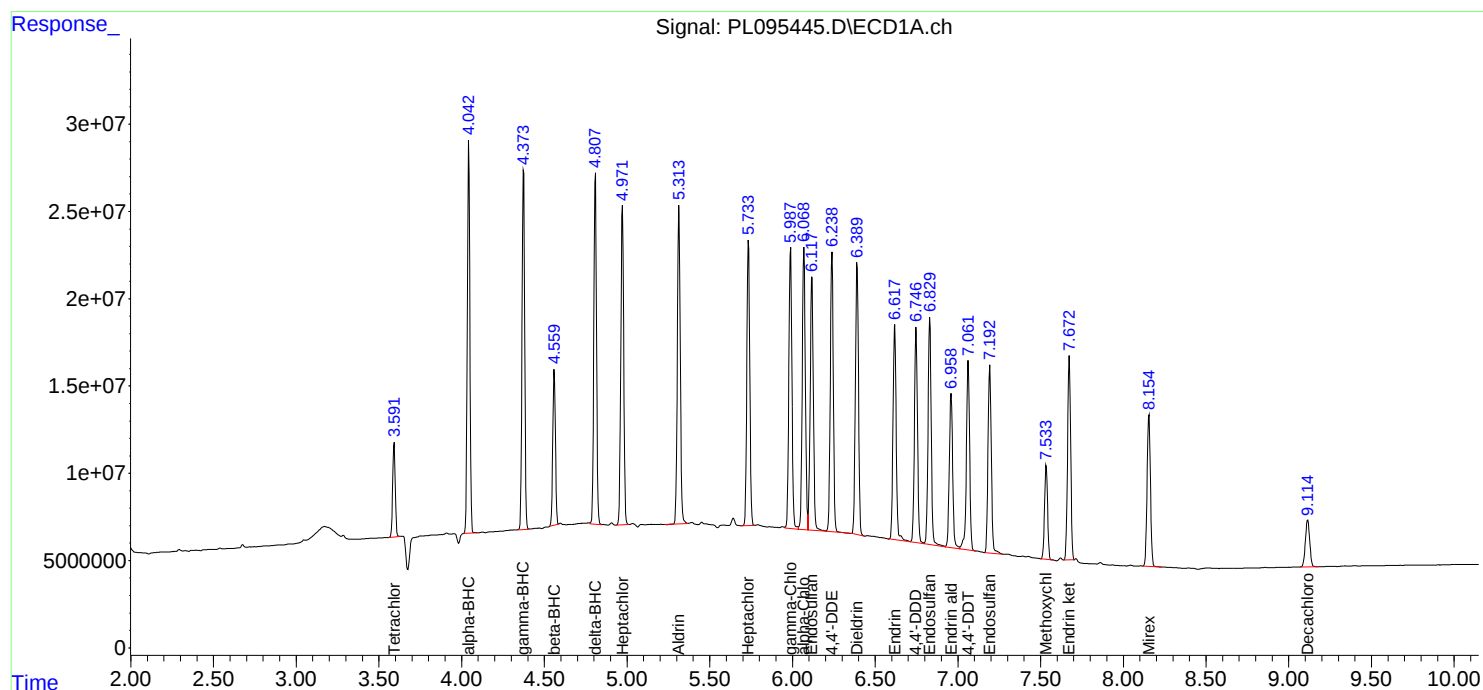
APPROVED

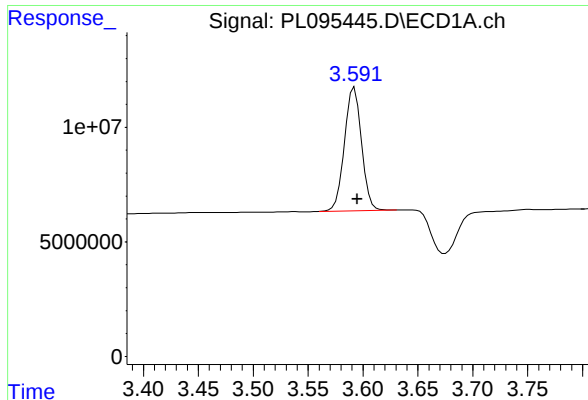
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





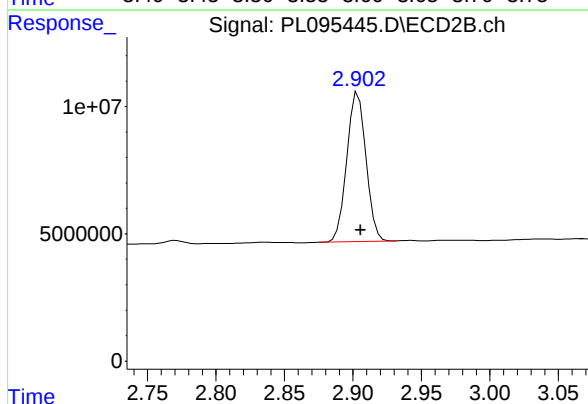
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 58425493
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

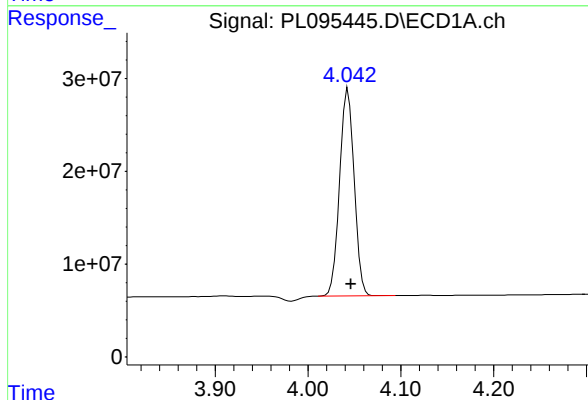
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



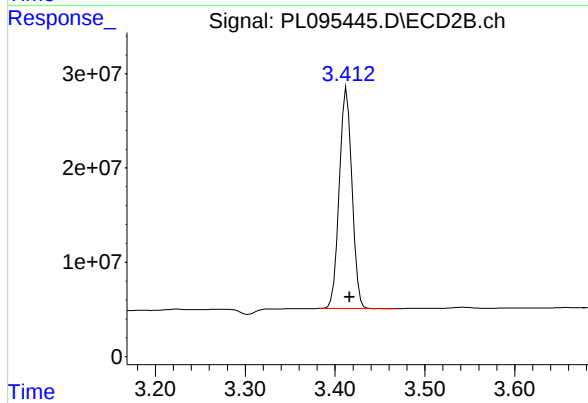
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 57181041
Conc: 17.98 ng/ml



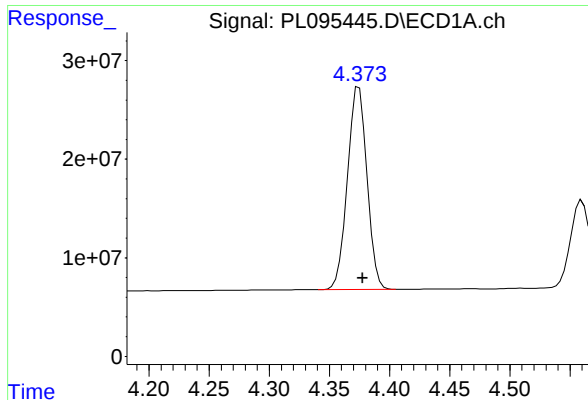
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 243952524
Conc: 49.25 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 230059505
Conc: 51.71 ng/ml



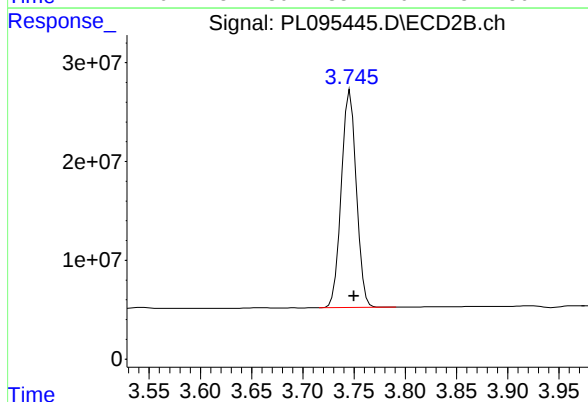
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 233147631
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

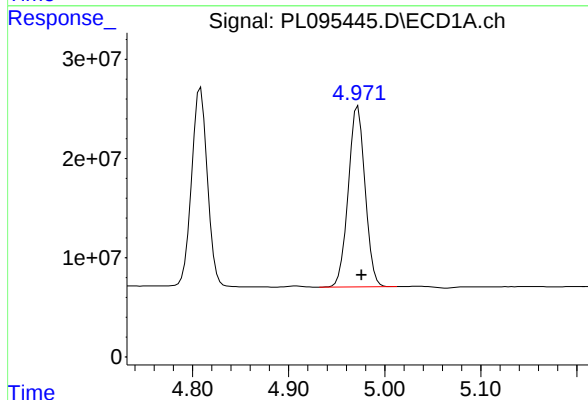
Manual Integrations
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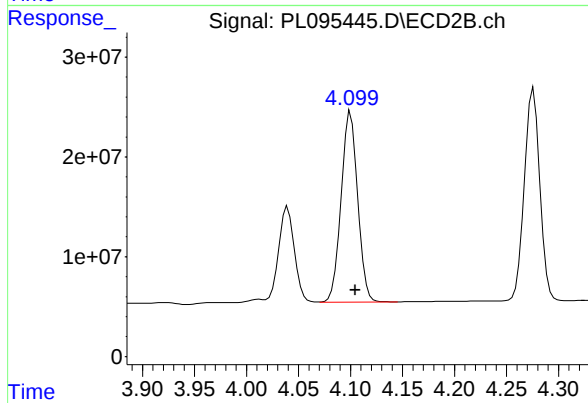
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 223249487
Conc: 50.76 ng/ml



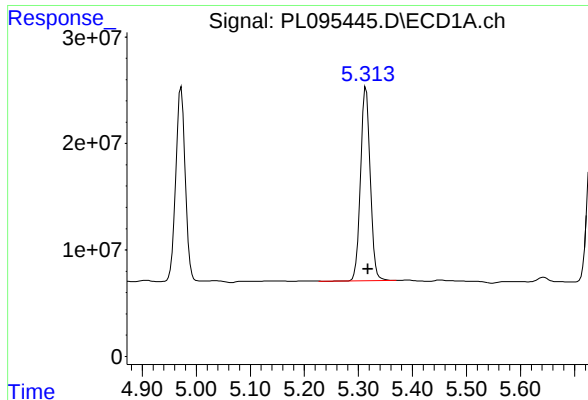
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 220731302
Conc: 48.25 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 211603932
Conc: 48.57 ng/ml



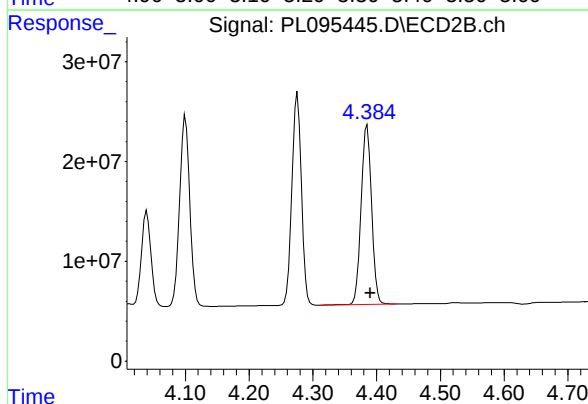
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 226277485
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

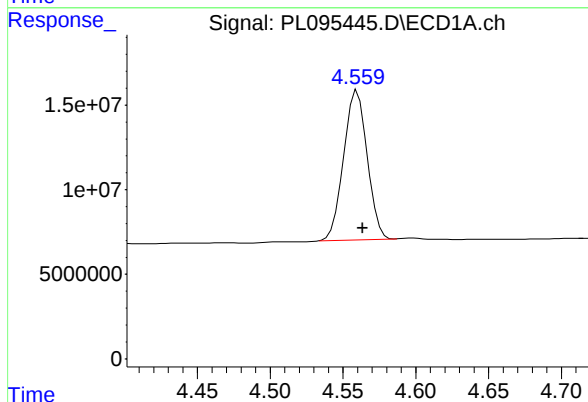
Manual Integrations
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Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



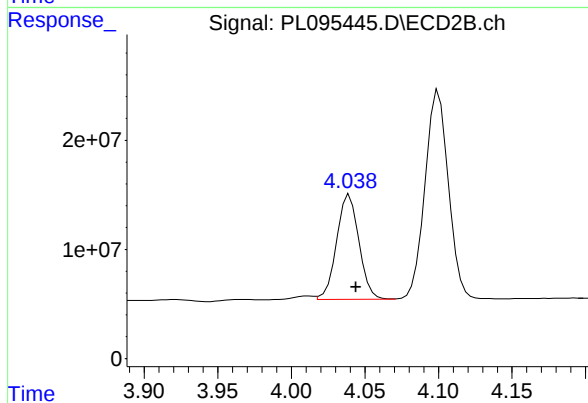
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 205240915
Conc: 49.87 ng/ml



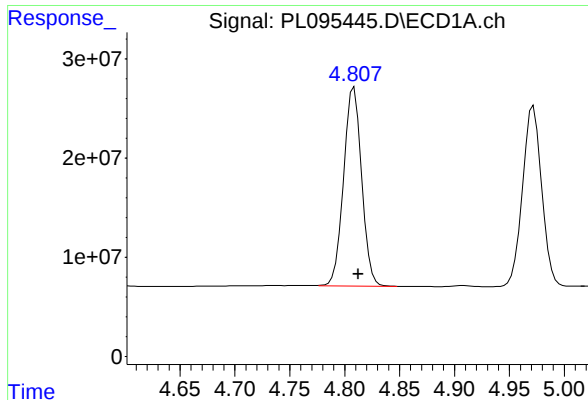
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 99681902
Conc: 48.21 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 101276899
Conc: 48.79 ng/ml



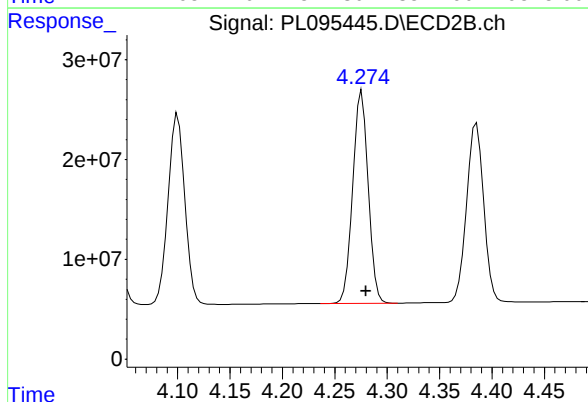
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 229124019
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

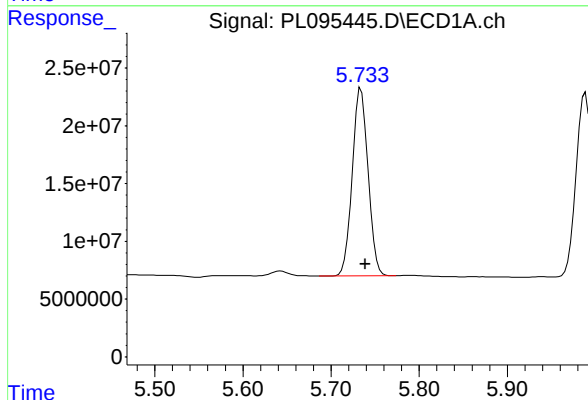
Manual Integrations
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Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



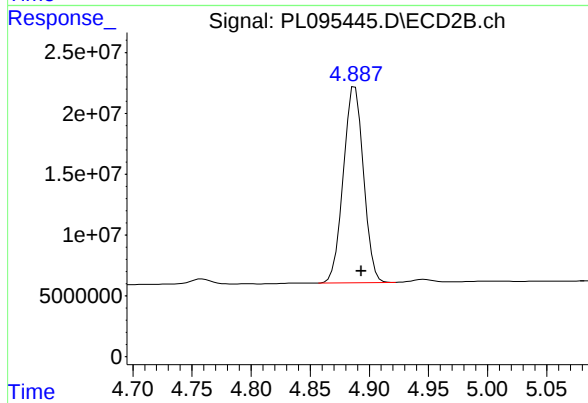
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 220825463
Conc: 50.39 ng/ml



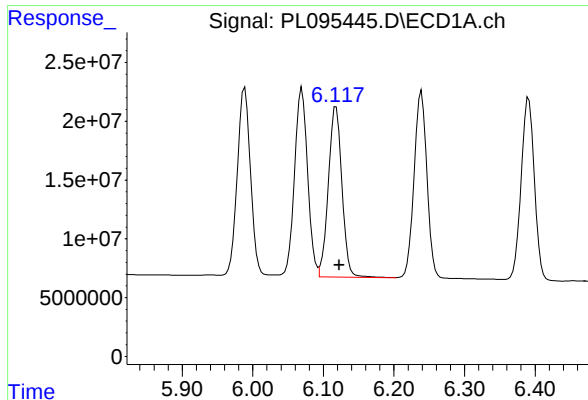
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 202948285
Conc: 50.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 190983581
Conc: 49.44 ng/ml



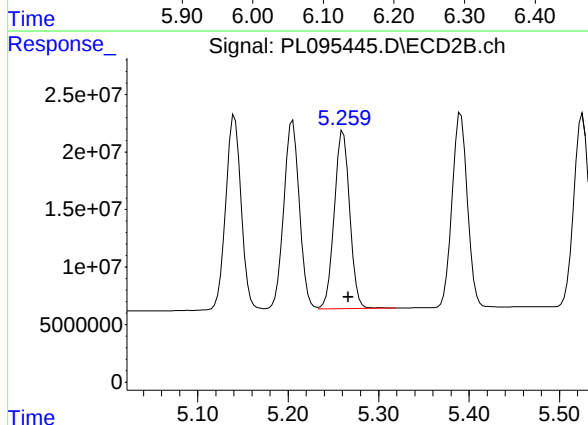
#9 Endosulfan I

R.T.: 6.118 min
Delta R.T.: -0.005 min
Response: 195369904
Conc: 51.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

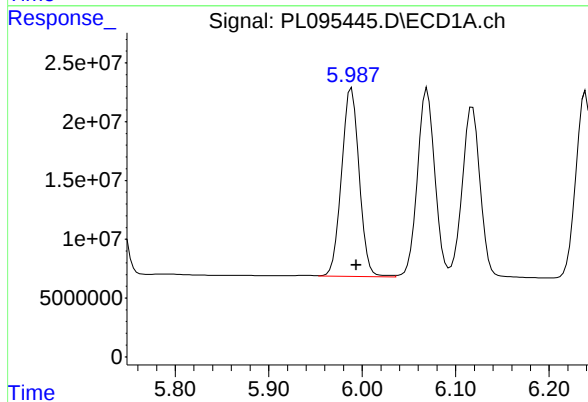
Manual Integrations
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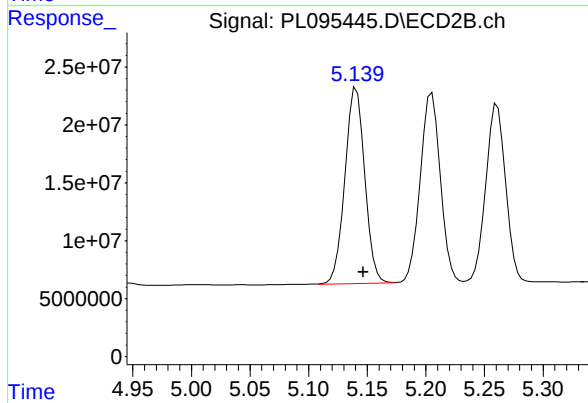
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 182992742
Conc: 49.99 ng/ml



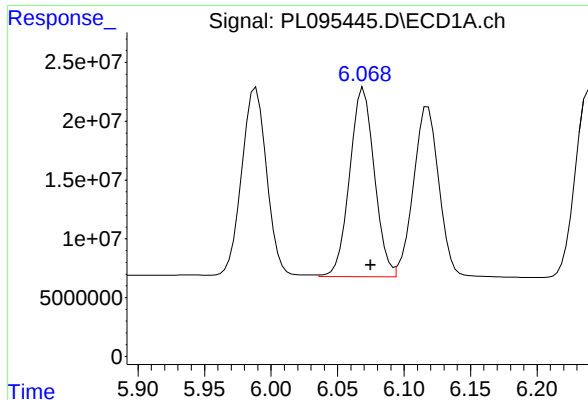
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 210490219
Conc: 51.60 ng/ml



#10 gamma-Chlordane

R.T.: 5.139 min
Delta R.T.: -0.007 min
Response: 199224779
Conc: 49.16 ng/ml m



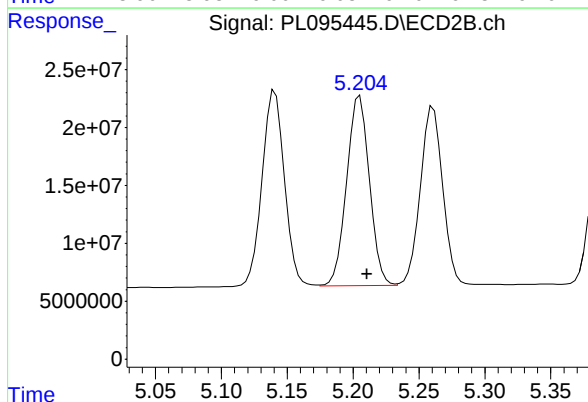
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 207771905
Conc: 51.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

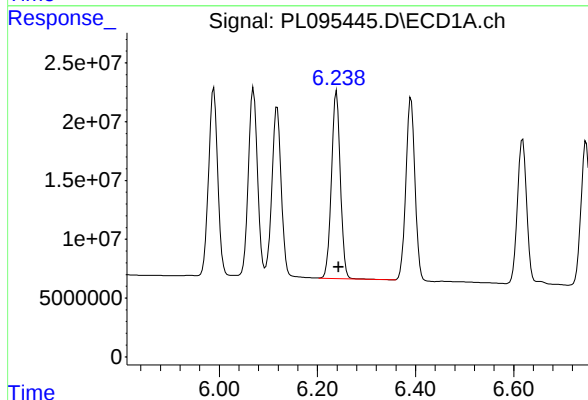
Manual Integrations
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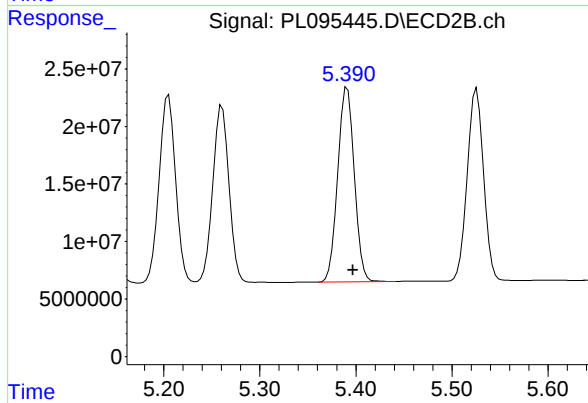
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 197287942
Conc: 49.56 ng/ml



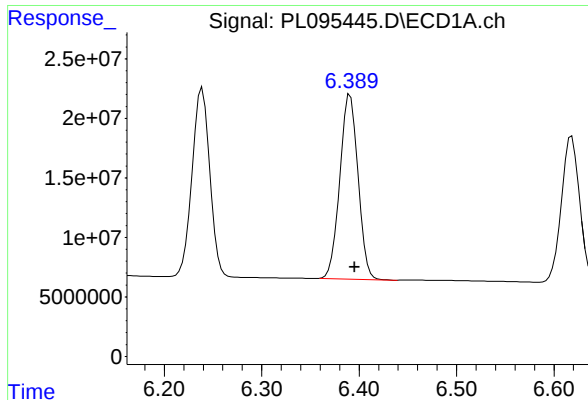
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 201807618
Conc: 51.47 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 200143435
Conc: 49.21 ng/ml



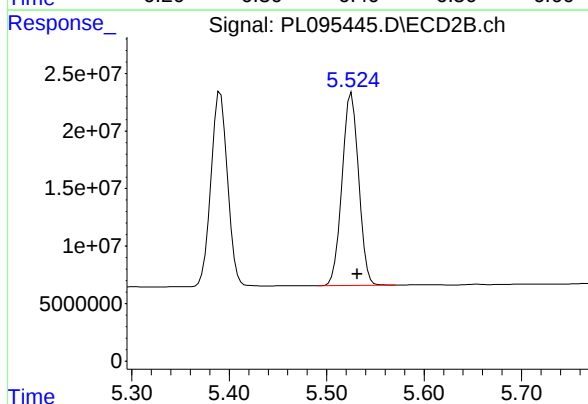
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 201035235
Conc: 52.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

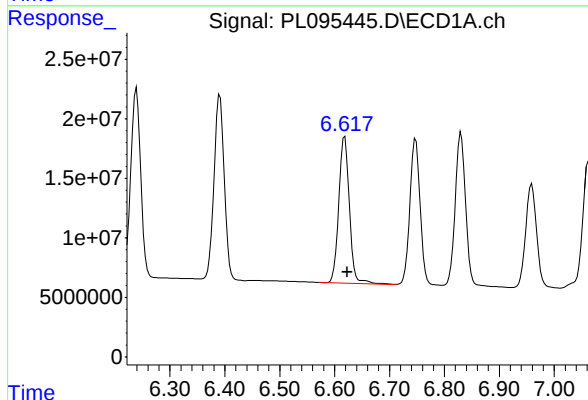
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/02/2025



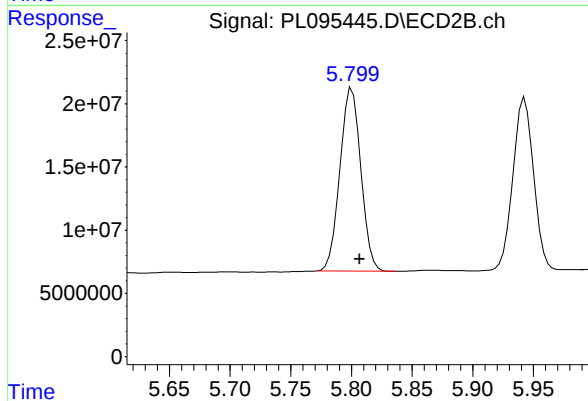
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 197957738
Conc: 48.67 ng/ml



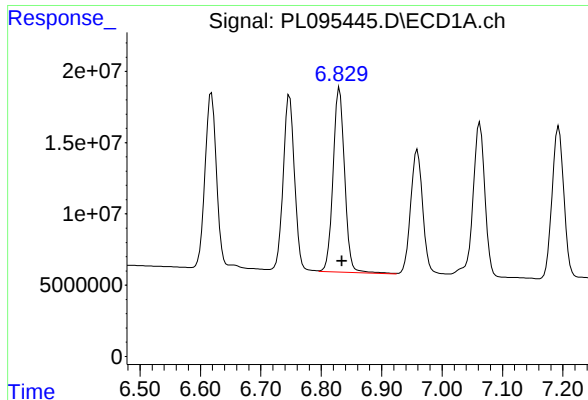
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 166064146
Conc: 52.14 ng/ml



#14 Endrin

R.T.: 5.800 min
Delta R.T.: -0.006 min
Response: 173893071
Conc: 47.76 ng/ml



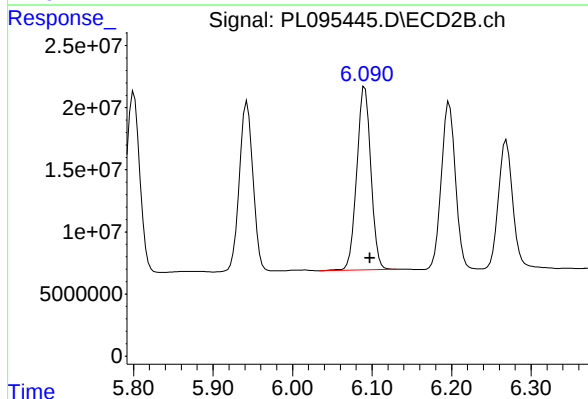
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 172148584
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

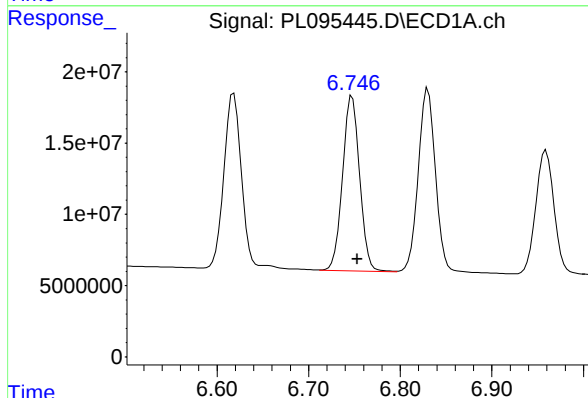
Manual Integrations
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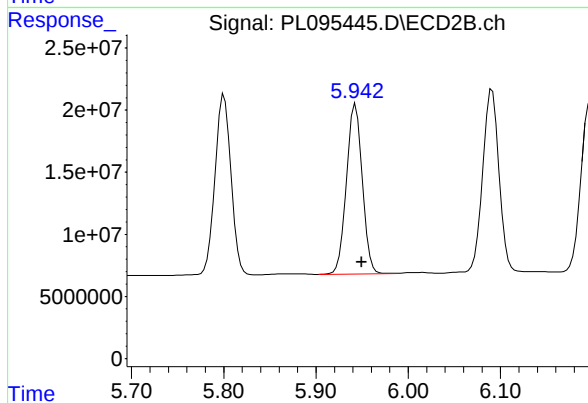
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 181918560
Conc: 50.66 ng/ml



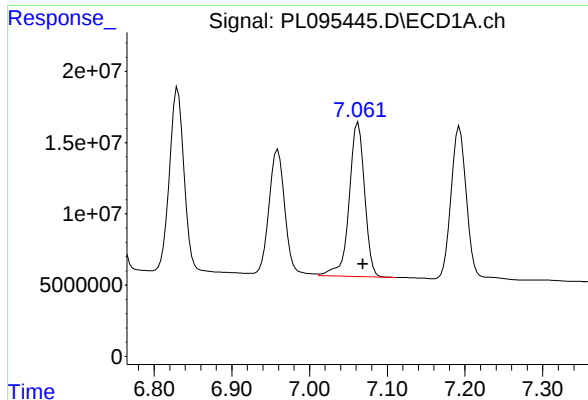
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 160209776
Conc: 56.59 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 163545905
Conc: 50.06 ng/ml



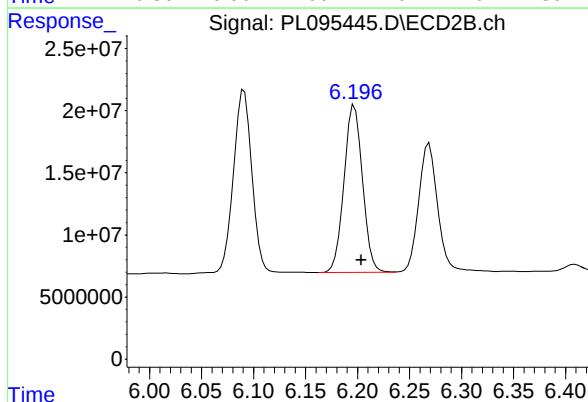
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.006 min
Response: 147651552
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

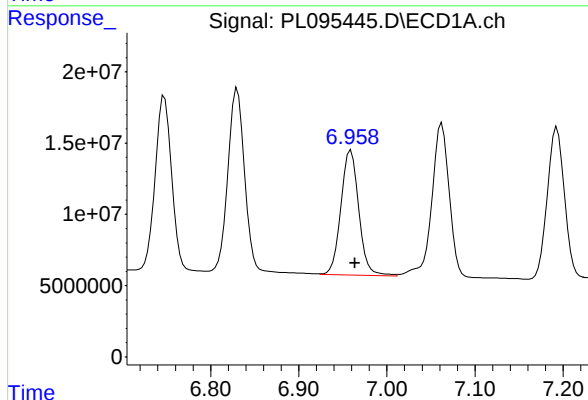
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025



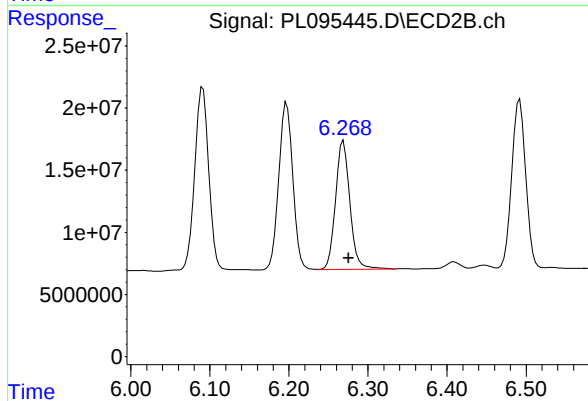
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.007 min
Response: 166438490
Conc: 48.44 ng/ml



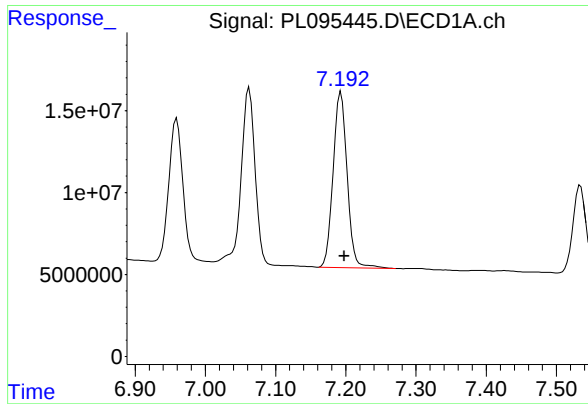
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 123465151
Conc: 53.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 131698540
Conc: 50.40 ng/ml



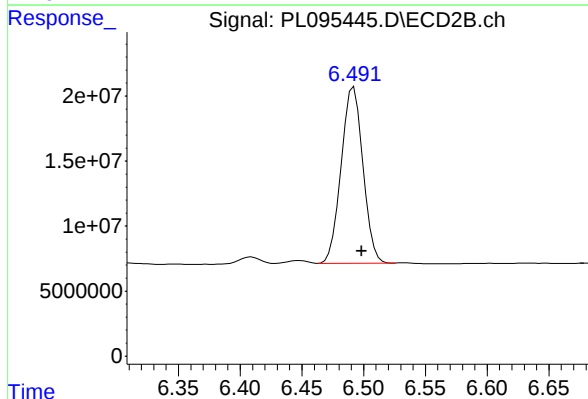
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 148446966
Conc: 52.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

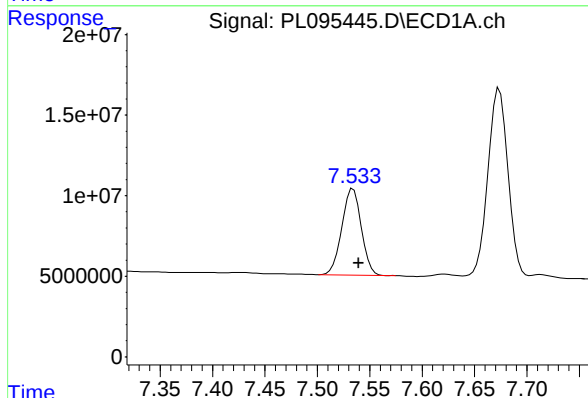
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



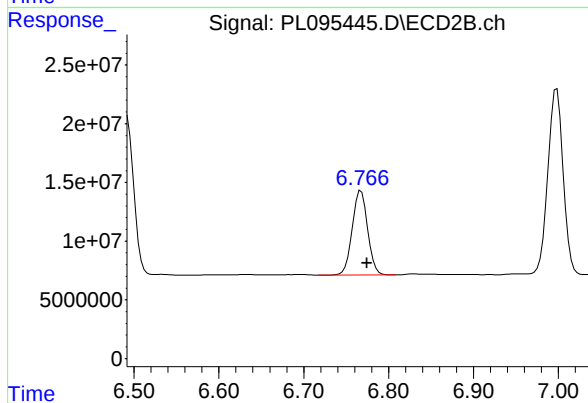
#19 Endosulfan Sulfate

R.T.: 6.491 min
Delta R.T.: -0.008 min
Response: 166091891
Conc: 50.06 ng/ml m



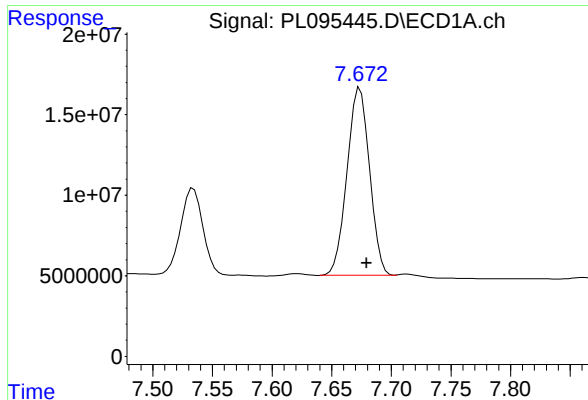
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 69311509
Conc: 49.68 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.007 min
Response: 90789266
Conc: 47.60 ng/ml



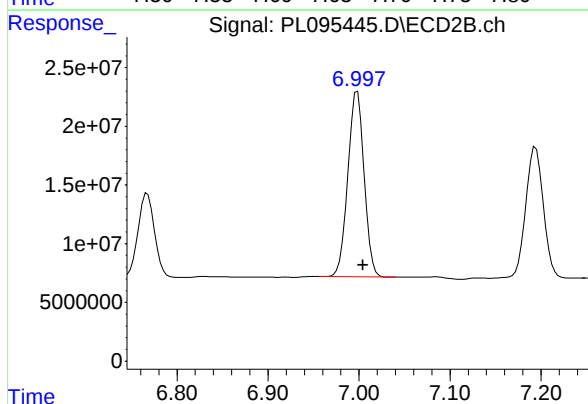
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 153089804
Conc: 53.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

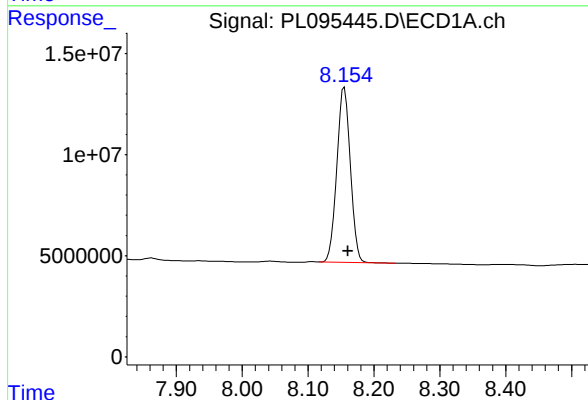
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



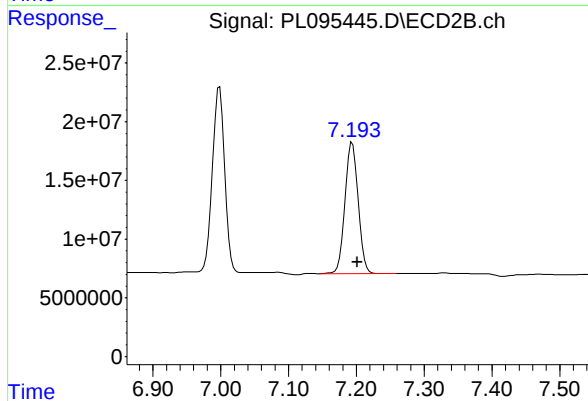
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 197138496
Conc: 55.98 ng/ml



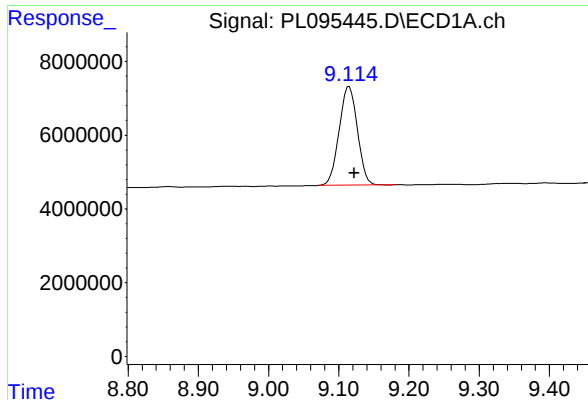
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 123530946
Conc: 51.99 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 150642081
Conc: 52.26 ng/ml



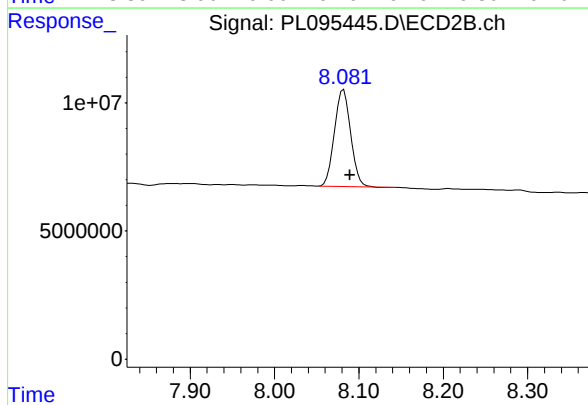
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48269853
Conc: 17.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 50724520
Conc: 17.14 ng/ml

Manual Integration Report

Sequence:

pl042325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095327.D	4,4"-DDD	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	4,4"-DDD #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
RESCHK	PL095328.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:03 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC025	PL095332.D	Mirex #2	Abdul	4/24/2025 8:47:07 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC005	PL095333.D	Mirex #2	Abdul	4/24/2025 8:47:11 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	delta-BHC	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	Mirex #2	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095348.D	Endrin aldehyde	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin aldehyde #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	delta-BHC	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Endrin ketone #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Mirex #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
I.BLK	PL095358.D	Decachlorobiphenyl #2	Abdul	4/24/2025 8:48:33 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	delta-BHC	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:

pl042325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095359.D	Methoxychlor #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	Mirex #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:

pl043025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095439.D	4,4"-DDD	Abdul	4/29/2025 8:13:38 AM	 	 	Peak Integrated by Software
PEM	PL095439.D	Endrin aldehyde	Abdul	4/29/2025 8:13:38 AM	 	 	Peak Integrated by Software
PEM	PL095439.D	Endrin aldehyde #2	Abdul	4/29/2025 8:13:38 AM	 	 	Peak Integrated by Software
PEM	PL095439.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:38 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095440.D	delta-BHC	Abdul	4/29/2025 8:13:41 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095440.D	Endosulfan Sulfate	Abdul	4/29/2025 8:13:41 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095440.D	gamma-Chlordane #2	Abdul	4/29/2025 8:13:41 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095440.D	Mirex #2	Abdul	4/29/2025 8:13:41 AM	 	 	Peak Integrated by Software
PB167766BS	PL095442.D	delta-BHC	Abdul	4/29/2025 8:13:46 AM	 	 	Peak Integrated by Software
PB167766BS	PL095442.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:46 AM	 	 	Peak Integrated by Software
PB167766BS	PL095442.D	Mirex #2	Abdul	4/29/2025 8:13:46 AM	 	 	Peak Integrated by Software
Q1889-01MS	PL095444.D	beta-BHC #2	Abdul	4/29/2025 8:13:50 AM	 	 	Peak Integrated by Software
Q1889-01MS	PL095444.D	Decachlorobiphenyl #2	Abdul	4/29/2025 8:13:50 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

pl043025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1889-01MS	PL095444.D	delta-BHC	Abdul	4/29/2025 8:13:50 AM	 	 	Peak Integrated by Software
Q1889-01MS	PL095444.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:50 AM	 	 	Peak Integrated by Software
Q1889-01MSD	PL095445.D	delta-BHC	Abdul	4/29/2025 8:13:54 AM	 	 	Peak Integrated by Software
Q1889-01MSD	PL095445.D	Endosulfan Sulfate #2	Abdul	4/29/2025 8:13:54 AM	 	 	Peak Integrated by Software
Q1889-01MSD	PL095445.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:54 AM	 	 	Peak Integrated by Software
Q1889-01MSD	PL095445.D	gamma-Chlordane #2	Abdul	4/29/2025 8:13:54 AM	 	 	Peak Integrated by Software
Q1889-03	PL095447.D	Decachlorobiphenyl #2	Abdul	4/29/2025 8:13:59 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095451.D	delta-BHC	Abdul	4/29/2025 8:14:10 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095451.D	Endrin ketone #2	Abdul	4/29/2025 8:14:10 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095451.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:14:10 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095451.D	Methoxychlor #2	Abdul	4/29/2025 8:14:10 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095451.D	Mirex #2	Abdul	4/29/2025 8:14:10 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	4,4"-DDD	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

pl043025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095460.D	Aldrin #2	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	delta-BHC	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endosulfan II	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endrin aldehyde	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endrin ketone	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095460.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:07:33 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095474.D	beta-BHC #2	Abdul	4/30/2025 8:03:27 AM	 	 	Peak Integrated by Software
PEM	PL095474.D	Endrin aldehyde	Abdul	4/30/2025 8:03:27 AM	 	 	Peak Integrated by Software
PEM	PL095474.D	Endrin aldehyde #2	Abdul	4/30/2025 8:03:27 AM	 	 	Peak Integrated by Software
PEM	PL095474.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:27 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095475.D	delta-BHC	Abdul	4/30/2025 8:03:34 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095475.D	Endosulfan II	Abdul	4/30/2025 8:03:34 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095475.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:34 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095475.D	gamma-Chlordane #2	Abdul	4/30/2025 8:03:34 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095475.D	Mirex #2	Abdul	4/30/2025 8:03:34 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095484.D	4,4"-DDE #2	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095484.D	Aldrin #2	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095484.D	delta-BHC	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095484.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095484.D	gamma-Chlordane #2	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095484.D	Mirex #2	Abdul	4/30/2025 8:03:47 AM	 	 	Peak Integrated by Software
PCHLORCCC500	PL095485.D	Tetrachloro-m-xylene #2	Abdul	4/30/2025 8:03:55 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	Aldrin #2	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	Decachlorobiphenyl #2	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	delta-BHC	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endosulfan II	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endrin	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endrin ketone #2	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL095495.D	gamma-Chlordane #2	Abdul	4/30/2025 8:04:04 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095325.D	23 Apr 2025 10:36	AR\AJ	Ok
2	I.BLK	PL095326.D	23 Apr 2025 10:50	AR\AJ	Ok
3	PEM	PL095327.D	23 Apr 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PL095328.D	23 Apr 2025 11:18	AR\AJ	Ok,M
5	PSTDICC100	PL095329.D	23 Apr 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PL095330.D	23 Apr 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PL095331.D	23 Apr 2025 11:59	AR\AJ	Ok
8	PSTDICC025	PL095332.D	23 Apr 2025 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL095333.D	23 Apr 2025 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40	AR\AJ	Ok
11	PCHLORICC750	PL095335.D	23 Apr 2025 12:53	AR\AJ	Ok
12	PCHLORICC500	PL095336.D	23 Apr 2025 13:07	AR\AJ	Ok
13	PCHLORICC250	PL095337.D	23 Apr 2025 13:21	AR\AJ	Ok
14	PCHLORICC050	PL095338.D	23 Apr 2025 13:51	AR\AJ	Ok,M
15	PTOXICC1000	PL095339.D	23 Apr 2025 14:04	AR\AJ	Ok
16	PTOXICC750	PL095340.D	23 Apr 2025 14:18	AR\AJ	Ok
17	PTOXICC500	PL095341.D	23 Apr 2025 14:32	AR\AJ	Ok
18	PTOXICC250	PL095342.D	23 Apr 2025 14:45	AR\AJ	Ok
19	PTOXICC100	PL095343.D	23 Apr 2025 14:59	AR\AJ	Ok,M
20	PSTDICV050	PL095344.D	23 Apr 2025 15:13	AR\AJ	Ok,M
21	PCHLORICV500	PL095345.D	23 Apr 2025 16:10	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL095346.D	23 Apr 2025 16:24	AR\AJ	Ok
23	I.BLK	PL095347.D	23 Apr 2025 16:38	AR\AJ	Ok
24	PEM	PL095348.D	23 Apr 2025 16:52	AR\AJ	Ok,M
25	PSTDCCC050	PL095349.D	23 Apr 2025 17:05	AR\AJ	Ok,M
26	PB167688BL	PL095350.D	23 Apr 2025 17:19	AR\AJ	Ok
27	PB167688BS	PL095351.D	23 Apr 2025 17:33	AR\AJ	Not Ok
28	Q1848-01	PL095352.D	23 Apr 2025 17:46	AR\AJ	Ok,M
29	Q1848-03	PL095353.D	23 Apr 2025 18:00	AR\AJ	Ok,M
30	Q1848-03MS	PL095354.D	23 Apr 2025 18:14	AR\AJ	Ok,M
31	Q1848-03MSD	PL095355.D	23 Apr 2025 18:28	AR\AJ	Ok,M
32	Q1848-05	PL095356.D	23 Apr 2025 18:41	AR\AJ	Ok,M
33	Q1850-01	PL095357.D	23 Apr 2025 18:55	AR\AJ	Ok,M
34	I.BLK	PL095358.D	23 Apr 2025 19:23	AR\AJ	Ok,M
35	PSTDCCC050	PL095359.D	23 Apr 2025 19:50	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By		Supervise On	
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095437.D	28 Apr 2025 14:46	AR\AJ	Ok
2	I.BLK	PL095438.D	28 Apr 2025 15:33	AR\AJ	Ok
3	PEM	PL095439.D	28 Apr 2025 15:47	AR\AJ	Ok,NS
4	PSTDCCC050	PL095440.D	28 Apr 2025 16:01	AR\AJ	Ok,NS
5	PB167766BL	PL095441.D	28 Apr 2025 16:35	AR\AJ	Not Ok
6	PB167766BS	PL095442.D	28 Apr 2025 16:49	AR\AJ	Ok,NS
7	Q1889-01	PL095443.D	28 Apr 2025 17:08	AR\AJ	Ok
8	Q1889-01MS	PL095444.D	28 Apr 2025 17:22	AR\AJ	Ok,NS
9	Q1889-01MSD	PL095445.D	28 Apr 2025 17:36	AR\AJ	Ok,NS
10	Q1889-02	PL095446.D	28 Apr 2025 17:49	AR\AJ	Ok
11	Q1889-03	PL095447.D	28 Apr 2025 18:03	AR\AJ	Ok,NS
12	Q1891-01	PL095448.D	28 Apr 2025 18:17	AR\AJ	Ok,NS
13	Q1891-05	PL095449.D	28 Apr 2025 18:31	AR\AJ	Ok,NS
14	I.BLK	PL095450.D	28 Apr 2025 18:45	AR\AJ	Ok
15	PSTDCCC050	PL095451.D	28 Apr 2025 18:58	AR\AJ	Ok,NS
16	Q1892-01	PL095452.D	28 Apr 2025 20:21	AR\AJ	Ok,NS
17	Q1892-05	PL095453.D	28 Apr 2025 20:35	AR\AJ	Ok
18	Q1892-09	PL095454.D	28 Apr 2025 20:49	AR\AJ	Ok
19	Q1895-01	PL095455.D	28 Apr 2025 21:03	AR\AJ	Ok
20	Q1895-03	PL095456.D	28 Apr 2025 21:16	AR\AJ	Ok
21	Q1895-05	PL095457.D	28 Apr 2025 21:30	AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By		Supervise On	
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1896-01	PL095458.D	28 Apr 2025 21:44	AR\AJ	Ok
23	I.BLK	PL095459.D	28 Apr 2025 21:58	AR\AJ	Ok
24	PSTDCCC050	PL095460.D	28 Apr 2025 22:11	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By		Supervise On	
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095472.D	29 Apr 2025 12:11	AR\AJ	Ok
2	I.BLK	PL095473.D	29 Apr 2025 12:25	AR\AJ	Ok
3	PEM	PL095474.D	29 Apr 2025 12:38	AR\AJ	Ok,NS
4	PSTDCCC050	PL095475.D	29 Apr 2025 13:07	AR\AJ	Ok,NS
5	PCHLORCCC500	PL095476.D	29 Apr 2025 13:33	AR\AJ	Ok
6	PTOXCCC500	PL095477.D	29 Apr 2025 14:27	AR\AJ	Ok
7	PB167766BL	PL095478.D	29 Apr 2025 14:42	AR\AJ	Ok
8	PB167766BS	PL095479.D	29 Apr 2025 15:10	AR\AJ	Ok,NS
9	PB167766BS	PL095480.D	29 Apr 2025 15:23	AR\AJ	Ok
10	PB167766BS	PL095481.D	29 Apr 2025 16:23	AR\AJ	Not Ok
11	Q1883-01	PL095482.D	29 Apr 2025 16:38	AR\AJ	Ok
12	I.BLK	PL095483.D	29 Apr 2025 16:52	AR\AJ	Ok
13	PSTDCCC050	PL095484.D	29 Apr 2025 17:42	AR\AJ	Ok,NS
14	PCHLORCCC500	PL095485.D	29 Apr 2025 18:30	AR\AJ	Ok,NS
15	PTOXCCC500	PL095486.D	29 Apr 2025 19:15	AR\AJ	Not Ok
16	Q1883-03	PL095487.D	29 Apr 2025 19:29	AR\AJ	Ok
17	Q1883-05	PL095488.D	29 Apr 2025 19:43	AR\AJ	Ok,NS
18	Q1883-07	PL095489.D	29 Apr 2025 19:56	AR\AJ	Ok
19	Q1883-09	PL095490.D	29 Apr 2025 20:10	AR\AJ	Ok
20	Q1883-11	PL095491.D	29 Apr 2025 20:24	AR\AJ	Ok
21	Q1883-13	PL095492.D	29 Apr 2025 20:38	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By		Supervise On	
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1883-15	PL095493.D	29 Apr 2025 20:51	AR\AJ	Ok
23	I.BLK	PL095494.D	29 Apr 2025 21:05	AR\AJ	Ok
24	PSTDCCC050	PL095495.D	29 Apr 2025 21:19	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095325.D	23 Apr 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PL095326.D	23 Apr 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PL095327.D	23 Apr 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095328.D	23 Apr 2025 11:18		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095329.D	23 Apr 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095330.D	23 Apr 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095331.D	23 Apr 2025 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095332.D	23 Apr 2025 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095333.D	23 Apr 2025 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095335.D	23 Apr 2025 12:53		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095336.D	23 Apr 2025 13:07		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095337.D	23 Apr 2025 13:21		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095338.D	23 Apr 2025 13:51		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095339.D	23 Apr 2025 14:04		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095340.D	23 Apr 2025 14:18		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095341.D	23 Apr 2025 14:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095342.D	23 Apr 2025 14:45		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL095343.D	23 Apr 2025 14:59		AR\AJ	Ok,M
20	PSTDICV050	ICVPL042325	PL095344.D	23 Apr 2025 15:13		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL042325CHLOR	PL095345.D	23 Apr 2025 16:10		AR\AJ	Ok
22	PTOXICV500	ICVPL042325TOX	PL095346.D	23 Apr 2025 16:24		AR\AJ	Ok
23	I.BLK	I.BLK	PL095347.D	23 Apr 2025 16:38		AR\AJ	Ok
24	PEM	PEM	PL095348.D	23 Apr 2025 16:52		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL095349.D	23 Apr 2025 17:05		AR\AJ	Ok,M
26	PB167688BL	PB167688BL	PL095350.D	23 Apr 2025 17:19		AR\AJ	Ok
27	PB167688BS	PB167688BS	PL095351.D	23 Apr 2025 17:33	Endrin ketone recovery high	AR\AJ	Not Ok
28	Q1848-01	RBR200027	PL095352.D	23 Apr 2025 17:46		AR\AJ	Ok,M
29	Q1848-03	ETGI-275	PL095353.D	23 Apr 2025 18:00	DCB Low in 1st column	AR\AJ	Ok,M
30	Q1848-03MS	ETGI-275MS	PL095354.D	23 Apr 2025 18:14	Some compound recovery fail	AR\AJ	Ok,M
31	Q1848-03MSD	ETGI-275MSD	PL095355.D	23 Apr 2025 18:28	DCB Low in 1st column , Some compound recovery fail , RPD Fail	AR\AJ	Ok,M
32	Q1848-05	ETGI-342	PL095356.D	23 Apr 2025 18:41	DCB Low in 1st column	AR\AJ	Ok,M
33	Q1850-01	CONCRETE-PILE-N-C	PL095357.D	23 Apr 2025 18:55		AR\AJ	Ok,M
34	I.BLK	I.BLK	PL095358.D	23 Apr 2025 19:23		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL095359.D	23 Apr 2025 19:50		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By		Supervise On	
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095437.D	28 Apr 2025 14:46		AR\AJ	Ok
2	I.BLK	I.BLK	PL095438.D	28 Apr 2025 15:33		AR\AJ	Ok
3	PEM	PEM	PL095439.D	28 Apr 2025 15:47		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PL095440.D	28 Apr 2025 16:01		AR\AJ	Ok,NS
5	PB167766BL	PB167766BL	PL095441.D	28 Apr 2025 16:35	No surrogate hit looks like hexan	AR\AJ	Not Ok
6	PB167766BS	PB167766BS	PL095442.D	28 Apr 2025 16:49		AR\AJ	Ok,NS
7	Q1889-01	COMP-1	PL095443.D	28 Apr 2025 17:08		AR\AJ	Ok
8	Q1889-01MS	COMP-1MS	PL095444.D	28 Apr 2025 17:22		AR\AJ	Ok,NS
9	Q1889-01MSD	COMP-1MSD	PL095445.D	28 Apr 2025 17:36		AR\AJ	Ok,NS
10	Q1889-02	COMP-2	PL095446.D	28 Apr 2025 17:49		AR\AJ	Ok
11	Q1889-03	COMP-3	PL095447.D	28 Apr 2025 18:03		AR\AJ	Ok,NS
12	Q1891-01	MH-C	PL095448.D	28 Apr 2025 18:17		AR\AJ	Ok,NS
13	Q1891-05	MH-D	PL095449.D	28 Apr 2025 18:31		AR\AJ	Ok,NS
14	I.BLK	I.BLK	PL095450.D	28 Apr 2025 18:45		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL095451.D	28 Apr 2025 18:58		AR\AJ	Ok,NS
16	Q1892-01	MH-G	PL095452.D	28 Apr 2025 20:21		AR\AJ	Ok,NS
17	Q1892-05	MH-H	PL095453.D	28 Apr 2025 20:35		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By		Supervise On	
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1892-09	MH-U2	PL095454.D	28 Apr 2025 20:49		AR\AJ	Ok
19	Q1895-01	COMP-1	PL095455.D	28 Apr 2025 21:03		AR\AJ	Ok
20	Q1895-03	COMP-2	PL095456.D	28 Apr 2025 21:16		AR\AJ	Ok
21	Q1895-05	COMP-3	PL095457.D	28 Apr 2025 21:30		AR\AJ	Ok,NS
22	Q1896-01	295-BERGEN-RO	PL095458.D	28 Apr 2025 21:44		AR\AJ	Ok
23	I.BLK	I.BLK	PL095459.D	28 Apr 2025 21:58		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL095460.D	28 Apr 2025 22:11	Comp#16 high in 1st column	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By		Supervise On	
SubDirectory	PL050225	HP Acquire Method	HP Processing Method p1042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095472.D	29 Apr 2025 12:11		AR\AJ	Ok
2	I.BLK	I.BLK	PL095473.D	29 Apr 2025 12:25		AR\AJ	Ok
3	PEM	PEM	PL095474.D	29 Apr 2025 12:38		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PL095475.D	29 Apr 2025 13:07		AR\AJ	Ok,NS
5	PCHLORCCC500	PCHLORCCC500	PL095476.D	29 Apr 2025 13:33		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PL095477.D	29 Apr 2025 14:27		AR\AJ	Ok
7	PB167766BL	PB167766BL	PL095478.D	29 Apr 2025 14:42		AR\AJ	Ok
8	PB167766BS	PB167766BS	PL095479.D	29 Apr 2025 15:10		AR\AJ	Ok,NS
9	PB167766BS	PB167766BS	PL095480.D	29 Apr 2025 15:23		AR\AJ	Ok
10	PB167766BS	PB167766BS	PL095481.D	29 Apr 2025 16:23	END CCC Fail	AR\AJ	Not Ok
11	Q1883-01	OU4-PCS-TC-27-04233	PL095482.D	29 Apr 2025 16:38		AR\AJ	Ok
12	I.BLK	I.BLK	PL095483.D	29 Apr 2025 16:52		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL095484.D	29 Apr 2025 17:42		AR\AJ	Ok,NS
14	PCHLORCCC500	PCHLORCCC500	PL095485.D	29 Apr 2025 18:30		AR\AJ	Ok,NS
15	PTOXCCC500	PTOXCCC500	PL095486.D	29 Apr 2025 19:15	all Toxaphene high in 2nd column	AR\AJ	Not Ok
16	Q1883-03	OU4-PCS-TC-28-04233	PL095487.D	29 Apr 2025 19:29		AR\AJ	Ok
17	Q1883-05	OU4-PCS-TC-29-04233	PL095488.D	29 Apr 2025 19:43		AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By		Supervise On	
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1883-07	OU4-PCS-TC-30-04232	PL095489.D	29 Apr 2025 19:56		AR\AJ	Ok
19	Q1883-09	OU4-PCS-TC-31-04232	PL095490.D	29 Apr 2025 20:10		AR\AJ	Ok
20	Q1883-11	OU4-PCS-TC-32-04232	PL095491.D	29 Apr 2025 20:24		AR\AJ	Ok
21	Q1883-13	OU4-VSL-18-042325	PL095492.D	29 Apr 2025 20:38		AR\AJ	Ok
22	Q1883-15	OU4-VSL-19-042325	PL095493.D	29 Apr 2025 20:51		AR\AJ	Ok
23	I.BLK	I.BLK	PL095494.D	29 Apr 2025 21:05		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL095495.D	29 Apr 2025 21:19	Comp#2,21 high in 1st column	AR\AJ	Ok,NS

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1883-01	OU4-PCS-TC-27-042325	1	1.18	10.04	11.22	10.67	94.5	
Q1883-03	OU4-PCS-TC-28-042325	2	1.14	9.97	11.11	10.56	94.5	
Q1883-05	OU4-PCS-TC-29-042325	3	1.19	10.54	11.73	11.28	95.7	
Q1883-07	OU4-PCS-TC-30-042325	4	1.17	10.15	11.32	10.96	96.5	
Q1883-09	OU4-PCS-TC-31-042325	5	1.18	10.48	11.66	11.34	96.9	
Q1883-11	OU4-PCS-TC-32-042325	6	1.18	9.96	11.14	10.87	97.3	
Q1883-13	OU4-PCS-18-042325	7	1.15	10.25	11.4	10.86	94.7	
Q1883-15	OU4-PCS-19-042325	8	1.19	10.54	11.73	11.29	95.8	
Q1884-01	P001-SS037-01	9	1.17	10.30	11.47	10.87	94.2	
Q1884-02	P001-SS038-01	10	1.17	10.32	11.49	11.22	97.4	
Q1888-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1888-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1888-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1888-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1888-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q1888-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q1888-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1888-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1888-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q1888-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q1889-01	COMP-1	21	1.19	10.07	11.26	9.5	82.5	
Q1889-02	COMP-2	22	1.16	10.50	11.66	9.61	80.5	
Q1889-03	COMP-3	23	1.11	10.73	11.84	9.77	80.7	
Q1891-01	MH-C	24	1.15	9.48	10.63	9.8	91.2	
Q1891-02	MH-C-EPH	25	1.16	9.82	10.98	10.15	91.5	
Q1891-03	MH-C-VOC	26	1.19	9.94	11.13	10.2	90.6	
Q1891-05	MH-D	27	1.15	10.17	11.32	9.64	83.5	
Q1891-06	MH-D-EPH	28	1.15	9.97	11.12	8.74	76.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1891-07	MH-D-VOC	29	1.18	9.46	10.64	8.83	80.9	
Q1892-01	MH-G	30	1.13	9.61	10.74	9.35	85.5	
Q1892-02	MH-G-EPH	31	1.15	10.29	11.44	9.98	85.8	
Q1892-03	MH-G-VOC	32	1.18	10.45	11.63	9.82	82.7	
Q1892-05	MH-H	33	1.14	9.66	10.8	9.92	90.9	
Q1892-06	MH-H-EPH	34	1.12	10.66	11.78	10.68	89.7	
Q1892-07	MH-H-VOC	35	1.18	10.19	11.37	10.28	89.3	
Q1892-09	MH-U2	36	1.18	10.04	11.22	9.96	87.5	
Q1892-10	MH-U2-EPH	37	1.19	10.34	11.53	10.04	85.6	
Q1892-11	MH-U2-VOC	38	1.18	10.22	11.4	10.14	87.7	
Q1893-01	UGGP-1	39	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-02	UGGP-2	40	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-03	INTERIOR-1	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-04	INTERIOR-2	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-05	INTERIOR-3	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-06	INTERIOR-4	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-07	EXTERIOR-1	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1895-01	COMP-1	55	1.14	10.58	11.72	10.97	92.9	
Q1895-03	COMP-2	56	1.14	10.77	11.91	10.96	91.2	
Q1895-05	COMP-3	57	1.18	10.06	11.24	10.56	93.2	
Q1896-01	295-BERGEN-RO	58	1.14	11.31	12.45	10.91	86.4	
Q1896-02	295-BERGEN-RO	59	1.18	10.01	11.19	9.9	87.1	
Q1898-01	41525A	60	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-02	41525B	61	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-03	42525A	62	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-04	42525B	63	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1900-01	WC-1	46	1.14	9.98	11.12	9.56	84.4	
Q1900-02	WC-1-EPH	47	1.14	10.35	11.49	10.19	87.4	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1900-03	WC-1-VOC	48	1.14	10.01	11.15	9.73	85.8	
Q1900-05	WC-2	49	1.19	8.82	10.01	8.76	85.8	
Q1900-06	WC-2-EPH	50	1.19	10.08	11.27	9.76	85.0	
Q1900-07	WC-2-VOC	51	1.17	10.79	11.96	10.33	84.9	
Q1900-09	WC-3	52	1.14	9.61	10.75	9.32	85.1	
Q1900-10	WC-3-EPH	53	1.12	10.38	11.5	9.11	77.0	
Q1900-11	WC-3-VOC	54	1.19	10.71	11.9	10.39	85.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

13558

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-03	OU4-PCS-TC-28-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-05	OU4-PCS-TC-29-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-07	OU4-PCS-TC-30-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-09	OU4-PCS-TC-31-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-11	OU4-PCS-TC-32-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-13	OU4-PCS-18-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-15	OU4-PCS-19-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1884-01	P001-SS037-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1884-02	P001-SS038-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1888-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1889-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO

Date/Time 04/25/25 13:20

Raw Sample Received by: 50 (wec)

Raw Sample Relinquished by: 50 (wec)

Date/Time 04/25/25

Raw Sample Received by: 50 (wec)

Raw Sample Relinquished by: 50 (wec)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1889-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1889-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1891-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-05	MH-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-06	MH-D-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-07	MH-D-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-09	MH-U2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-10	MH-U2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-11	MH-U2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-01	UGGP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-02	UGGP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-03	INTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-04	INTERIOR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time

04/25/25

15420

Raw Sample Received by:

SQ wcl U

Raw Sample Relinquished by:

JD csm

Date/Time 04/25/25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

135558

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1893-05	INTERIOR-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-06	INTERIOR-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-07	EXTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-03	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-05	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-01	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1896-02	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-01	41525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-02	41525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-03	42525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-04	42525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

04/23/25 13:20

17:30

Raw Sample Received by: 30 wcc

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: JDCSM

Raw Sample Relinquished by: 30 wcc

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/28/2025

Extraction Start Time : 09:05

Extraction End Date : 04/28/2025

Extraction End Time : 12:05

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
Spike Sol 2	2.0ML	1000 PPB	PP24081
Spike Sol 3	2.0ML	1000 PPB	PP24080
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
Florisil	N/A	E3806
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

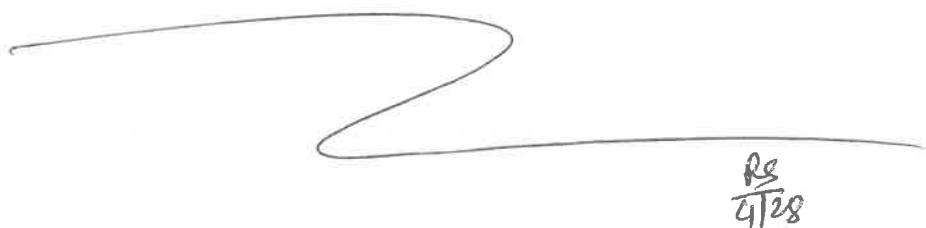
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/28/25	RS (B4 Lab)	Y-P. Pest 1/43
12:10	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/28/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167766BL	PBLK766	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB167766BS	PLCS766	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1883-01	OU4-PCS-TC-27-042325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q1883-03	OU4-PCS-TC-28-042325	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q1883-05	OU4-PCS-TC-29-042325	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1883-07	OU4-PCS-TC-30-042325	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1883-09	OU4-PCS-TC-31-042325	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		U3-1
Q1883-11	OU4-PCS-TC-32-042325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1883-13	OU4-PCS-18-042325	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q1883-15	OU4-PCS-19-042325	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1889-01	COMP-1	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		5
Q1889-01MS	COMP-1MS	PESTICIDE Group1	30.03	N/A	ritesh	Evelyn	10	E		6
Q1889-01MS D	COMP-1MSD	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		U6-1
Q1889-02	COMP-2	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		2
Q1889-03	COMP-3	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		3
Q1891-01	MH-C	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
Q1891-05	MH-D	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1892-01	MH-G	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
Q1892-05	MH-H	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U1-1
Q1892-09	MH-U2	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1895-01	COMP-1	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q1895-03	COMP-2	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q1895-05	COMP-3	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q1896-01	295-BERGEN-RO	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1889

WorkList ID : 189181

Department : Extraction

Date : 04-28-2025 08:49:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-03	OU4-PCS-TC-28-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-05	OU4-PCS-TC-29-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-07	OU4-PCS-TC-30-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-09	OU4-PCS-TC-31-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-11	OU4-PCS-TC-32-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-13	OU4-PCS-18-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-15	OU4-PCS-19-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1889-01	COMP-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1889-02	COMP-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1889-03	COMP-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1891-01	MH-C	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1891-05	MH-D	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1892-01	MH-G	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/24/2025	8081B
Q1892-05	MH-H	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/24/2025	8081B
Q1892-09	MH-U2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/25/2025	8081B
Q1895-01	COMP-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1895-03	COMP-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1895-05	COMP-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1896-01	295-BERGEN-RO	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	04/25/2025	8081B

Date/Time

4/28/25 9:00

Raw Sample Received by:

RJ (Ext-96b)

Raw Sample Relinquished by:

RJ (Ext-96b)

Date/Time

4/28/25 9:40

Raw Sample Received by:

RJ (Ext-96b)

Raw Sample Relinquished by:

RJ (Ext-96b)

Prep Standard - Chemical Standard Summary

Order ID : Q1889

Test : PESTICIDE Group1

Prepbatch ID : PB167766,

Sequence ID/Qc Batch ID: pl043025,pl050225,

Standard ID :

EP2601,EP2607,PP24080,PP24081,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24460,

Chemical ID :

E2865,E3551,E3806,E3843,E3847,E3876,E3877,E3914,E3916,E3917,E3928,P12600,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,P13404,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel
								04/07/2025

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
								04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = 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>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P12600 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml



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

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

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

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>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

<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>
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025
<u>FROM</u> 1.00000ml of P13355 + 999.00000ml of E3917 = 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 #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

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	10/22/2025	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3928

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

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	06/16/2025	12/16/2024 / Abdul	05/15/2024 / Abdul	P13404

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	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



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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.:** 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

P12596
↓
P12602
⑦
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	---%	1,010.0 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:

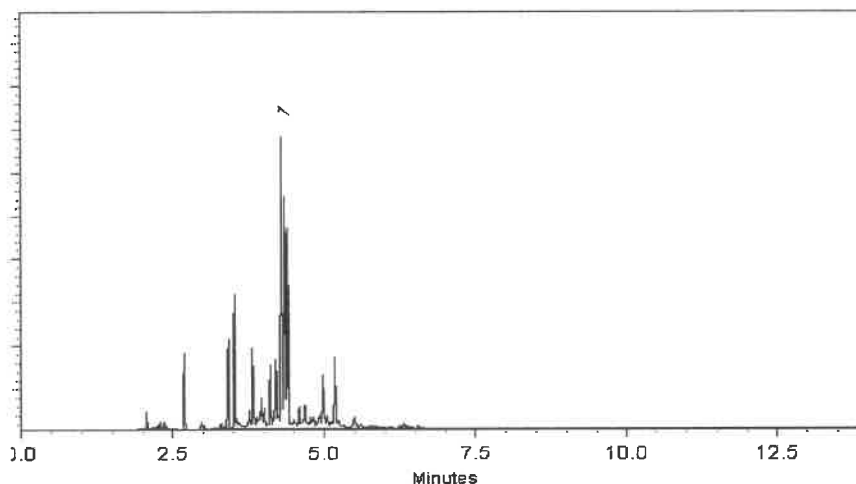
ECD

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 - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


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

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

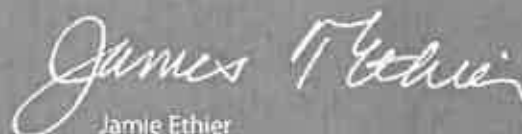
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd by RP on 3/31/25

E 3946

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.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

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

 **avantors[™]**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3928



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 U.S.

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:

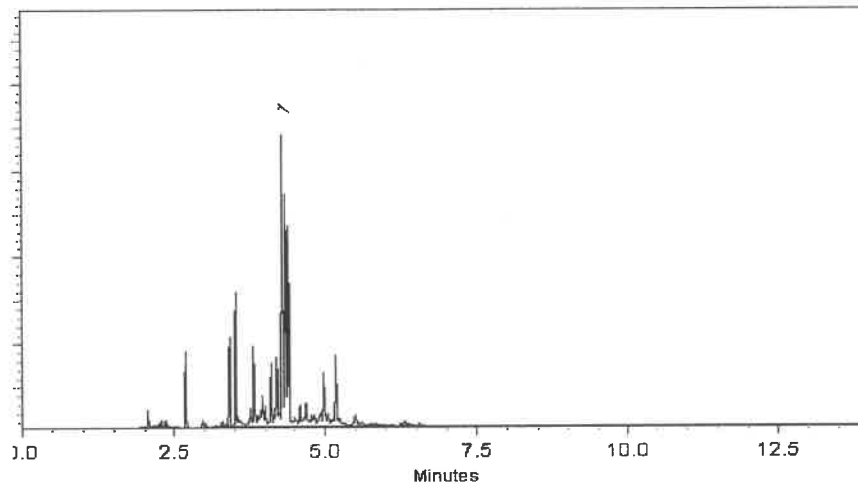
ECD

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) *Fin*

CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

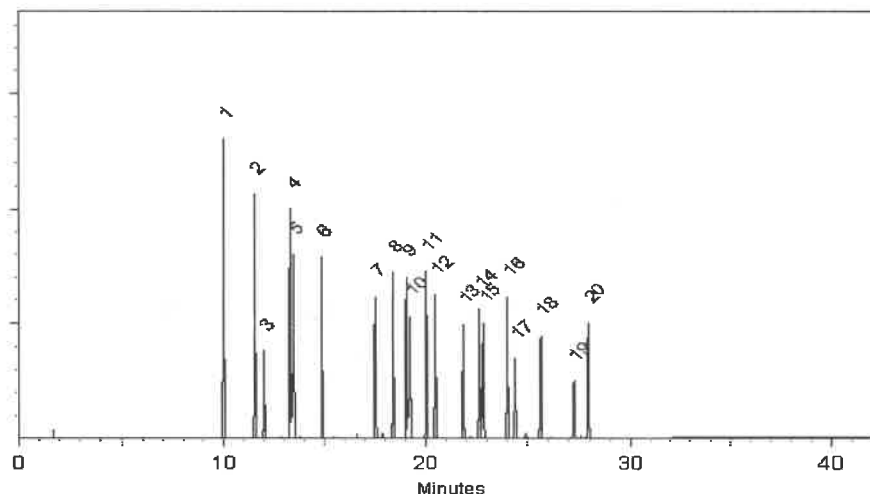
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

**CERTIFIED WEIGHT REPORT**

Part Number:	<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. Ramias	042022

Reviewed By:

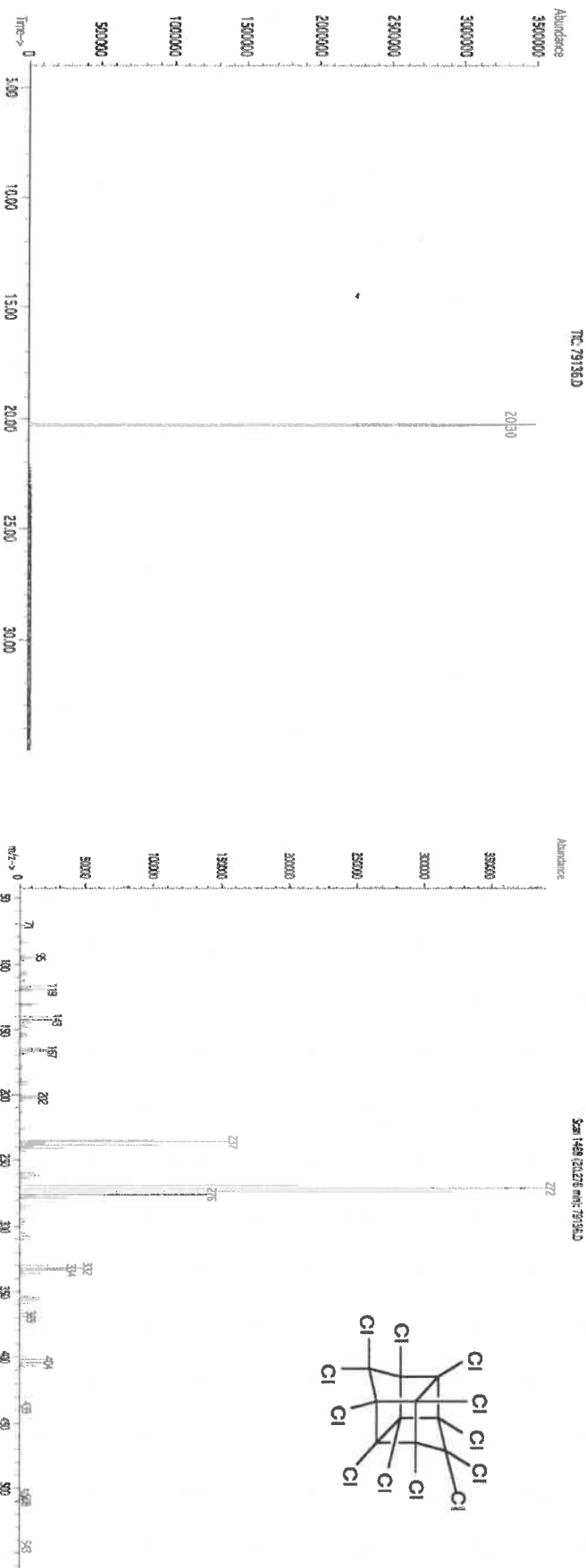
Pedro L. Rentas

DATE _____

SDS Information

[illegible][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 are 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 tight 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).

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01/17/2024
JALIN

5



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

P 12603
↓
P 12605
[3]
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:

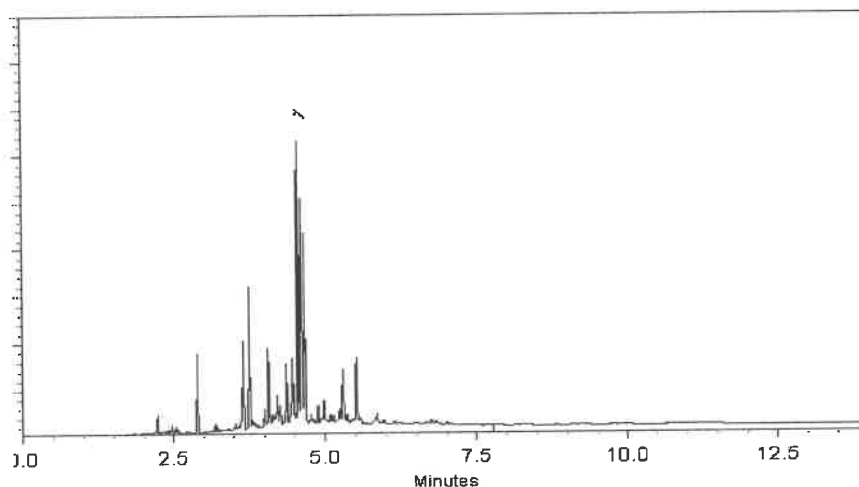
ECD

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

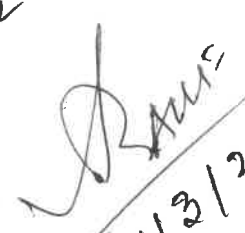
Date Mixed: 11-May-2023

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
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

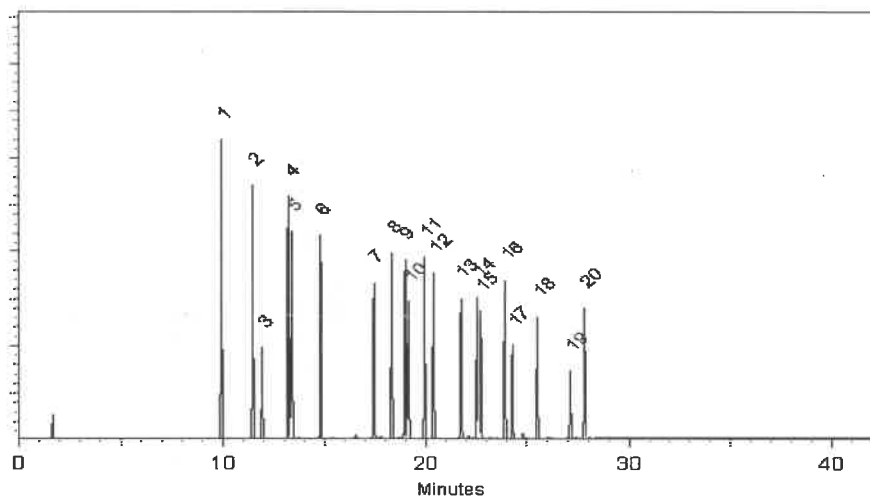
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124

CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Recommended Storage:

Refrigerate (4 °C)

Hexane

273615

(50%)

Nominal Concentration (µg/mL):

Varied

Toluene

28508

(50%)

NIST Test ID#:

6UTB

Volume(s) shown below were combined and diluted to (mL):

100.0

Balance Uncertainty
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	(Solvent Safety Info. On Attached pg.)	SDS Information	LD50
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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
BAUF
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:

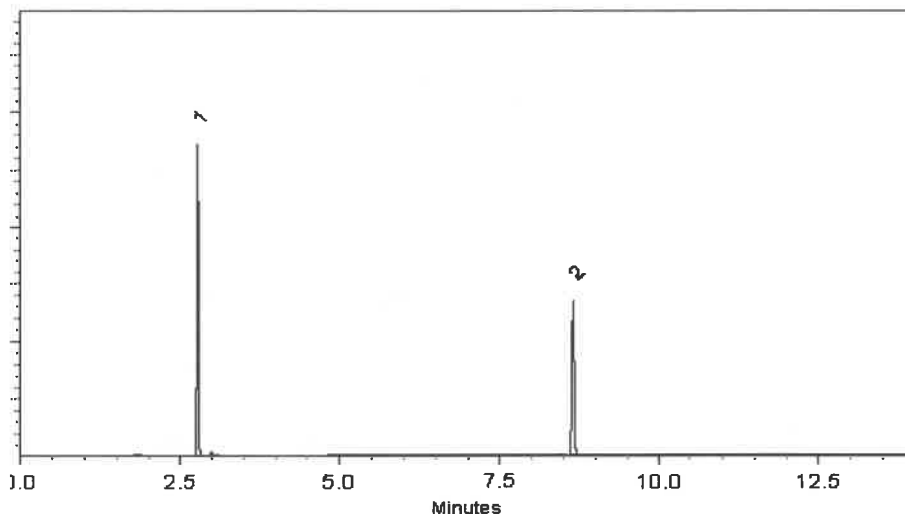
ECD

Split Vent:

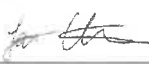
10 ml/min.

Inj. Vol

1µl

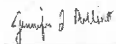


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

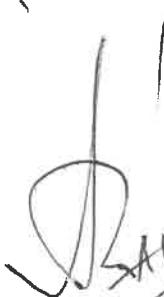
Balance Serial # 1128360905


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



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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.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

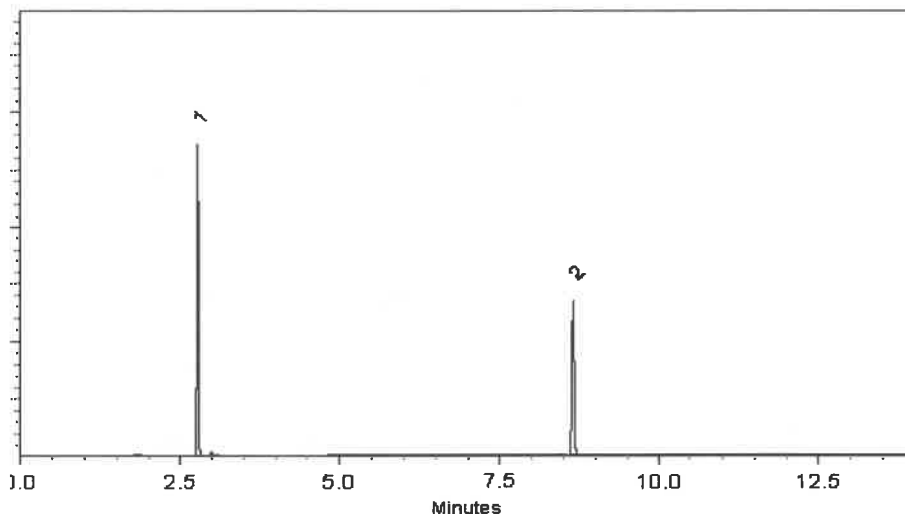
ECD

Split Vent:

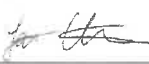
10 ml/min.

Inj. Vol

1µl

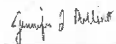


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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P 13348
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P 13357
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04/25/2025



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

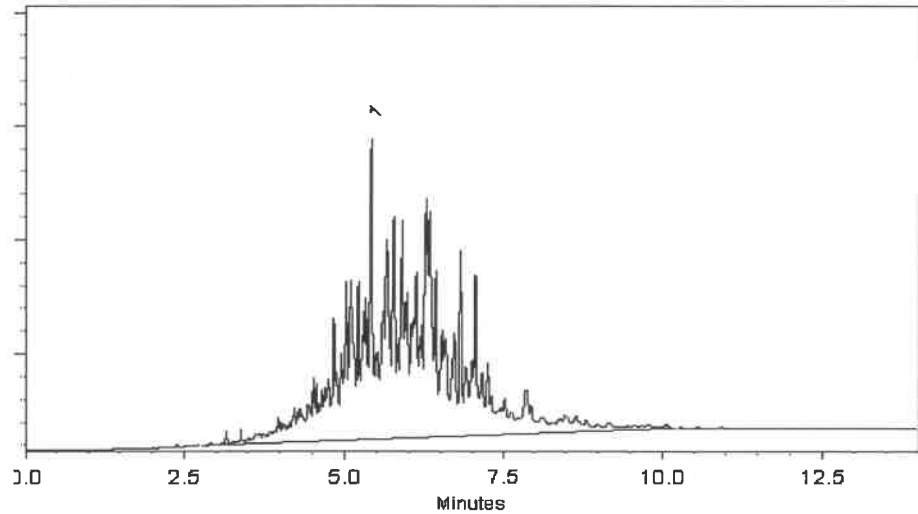
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

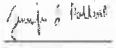


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

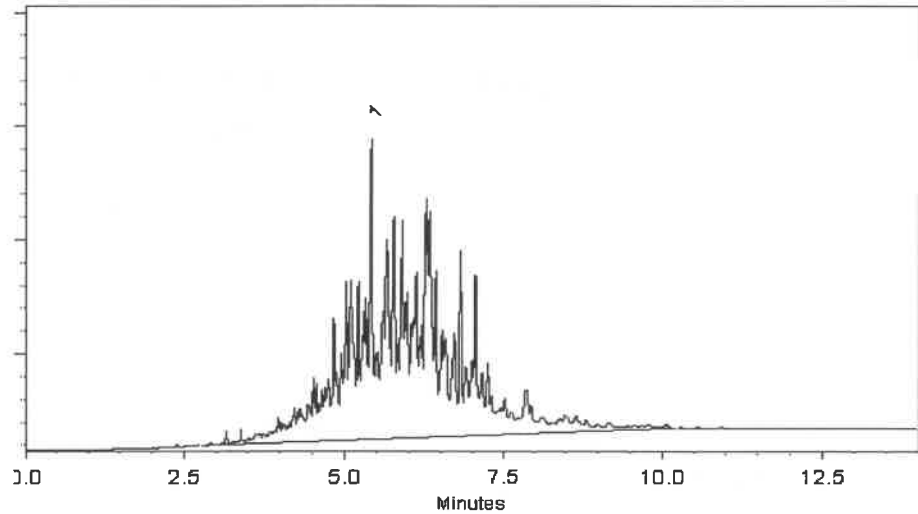
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

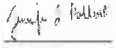


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

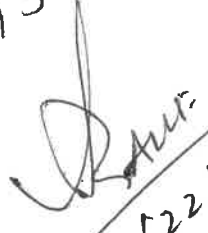
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



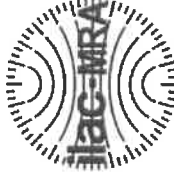
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
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.)

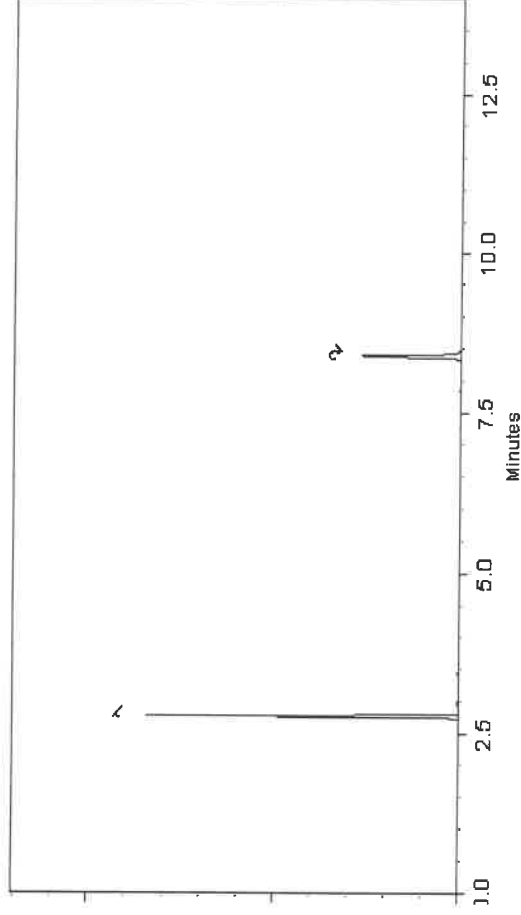
Inj. Temp:
250°C

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



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

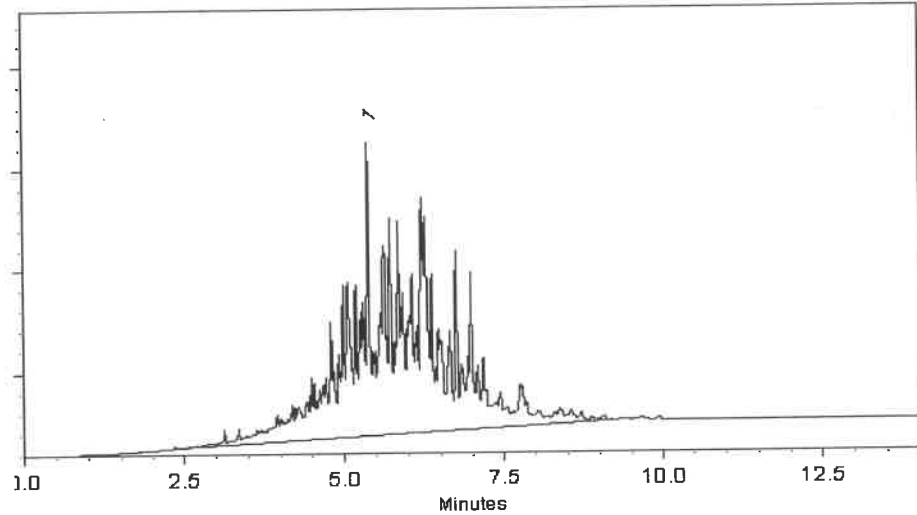
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

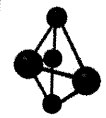

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

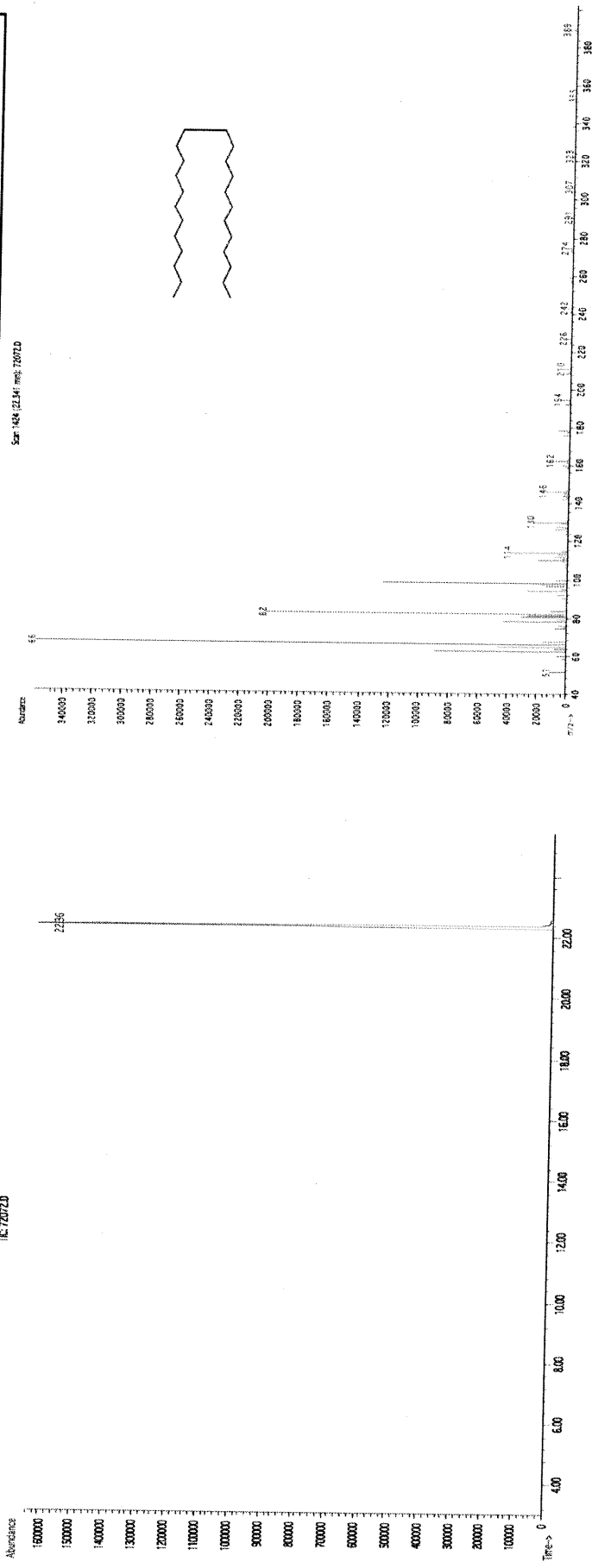
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018	DATE
Reviewed By:	Pedro Rentas	112018	DATE

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

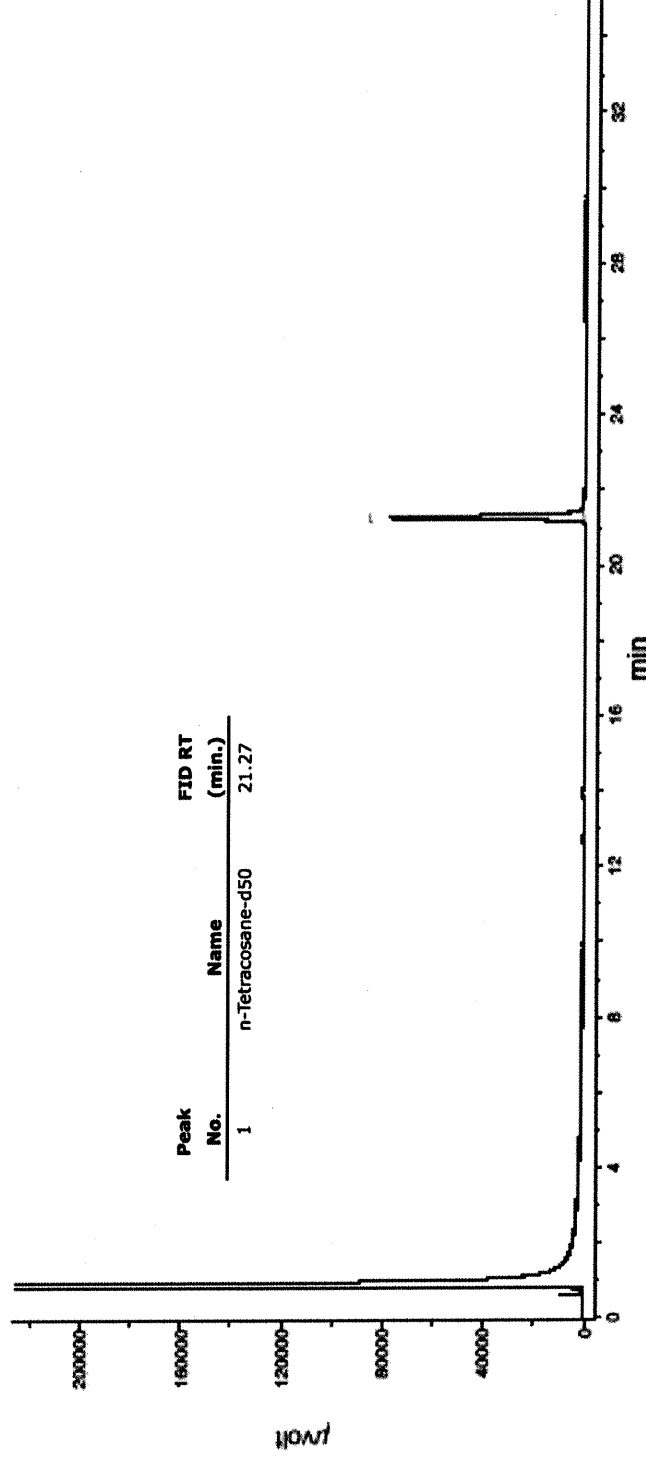
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,

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

avantor™



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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Mitchell School
PROJECT NO.: 4005164.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#: Same
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 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	2	3	4	5	6	7	8	9
PADEP Historic Parameters								

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E								← Specify Preservatives	
1.	COMP-1	Soil	✓		4/24/25	10:15	4	✓									A-HCl	D-NaOH
2.	COMP-2		↓			10:45	↓	↓									B-HNO3	E-ICE
3.	COMP-3		↓			11:25	↓	↓									C-H2SO4	F-OTHER
4.	SB-1			✓		9:45	1		✓									
5.	SB-2					9:55	↓		↓									
6.	SB-3					10:00	↓		↓									
7.	SB-4					10:10	↓		↓									
8.	SB-5					10:18	↓		↓									
9.	SB-6					10:30	↓		↓									
10.	SB-7					10:35	↓		↓									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 4/24/25 13:00	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.7°C
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 4-25-25 1045	RECEIVED BY: 2. [Signature]	Comments: Hold grab samples SB-1 through SB-12
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Adjust Factor +1 ILQW #1

Page 1 of 2 CLIENT: ☐ Hand Delivered ☒ Other
Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

PROJECT NAME: Mitchell School
PROJECT NO.: 4005164.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: m.warchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

BILL TO: PO#: Same
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 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)
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☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1	2	3	4	5	6	7	8	9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	SB-8	Soil		✓	4/24/25	10:40	1	✓										
2.	SB-9	↓		↓	↓	11:00	↓	↓										
3.	SB-10	↓		↓	↓	11:05	↓	↓										
4.	SB-11	↓		↓	↓	11:15	↓	↓										
5.	SB-12	↓		↓	↓	11:20	↓	↓										
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>4/24/25 13:00</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>47°C</u>
RELINQUISHED BY SAMPLER: 2. <u>FedEx</u>	DATE/TIME: <u>4-25-25 1045</u>	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>Adjust Factor +1</u> <u>Julian #1</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page <u>2</u> of <u>2</u> CLIENT: ☐ Hand Delivered ☒ Other <u>FedEx</u> 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

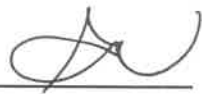
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1889	POWE02	Order Date : 4/25/2025 11:06:00 AM	Project Mgr :
Client Name : Kleinfelder		Project Name : Mitchell School Lincoln High School	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 4/25/2025 10:45:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1889-01	COMP-1	Solid	04/24/2025	10:15					
					VOCMS Group1		8260D	5 Bus. Days	
Q1889-02	COMP-2	Solid	04/24/2025	10:45					
					VOCMS Group1		8260D	5 Bus. Days	
Q1889-03	COMP-3	Solid	04/24/2025	11:25					
					VOCMS Group1		8260D	5 Bus. Days	

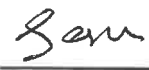
Relinquished By :

Date / Time :

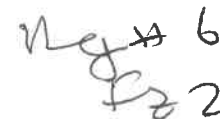

4/25/25 11:34

Received By :

Date / Time :


04/25/25 11:34

Storage Area : VOA Refridgerator Room


neg 6
#22