

Cover Page

Order ID : Q1859

Project ID : Lincoln High School

Client : Kleinfelder

Lab Sample Number

Q1859-01
Q1859-02
Q1859-03

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: 4/29/2025



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

CASE NARRATIVE

Kleinfelder

Project Name: Lincoln High School

Project # N/A

Chemtech Project # Q1859

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 04/22/2025.

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_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of 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.



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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 #: Q1859

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 04/29/2025

LAB CHRONICLE

OrderID: Q1859	OrderDate: 4/22/2025 2:55:00 PM
Client: Kleinfelder	Project: Lincoln High School
Contact: Mark Warchol	Location: L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1859-01	COMP-1	SOIL			04/18/25			04/22/25
			PCB Group1	8082A		04/23/25	04/23/25	
			PESTICIDE Group1	8081B		04/23/25	04/28/25	
Q1859-02	COMP-2	SOIL			04/18/25			04/22/25
			PCB Group1	8082A		04/23/25	04/23/25	
			PESTICIDE Group1	8081B		04/23/25	04/28/25	
Q1859-03	COMP-3	SOIL			04/18/25			04/22/25
			PCB Group1	8082A		04/23/25	04/23/25	
			PESTICIDE Group1	8081B		04/23/25	04/28/25	

Hit Summary Sheet
SW-846

SDG No.: Q1859

Order ID: Q1859

Client: Kleinfelder

Project ID: Lincoln High School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q1859-01	COMP-1 COMP-1	SOIL	Dieldrin	0.29	JP	0.18	2.10	ug/kg
Total Concentration:				0.290				



QC SUMMARY

Surrogate Summary

SDG No.: Q1859

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088231.D	PIBLK-PD088231.D	Decachlorobiphenyl	1	20	18.4	92		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	17.7	88		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126
PB167709BL	PB167709BL	Decachlorobiphenyl	1	20	18.3	92		20	144
		Tetrachloro-m-xylene	1	20	17.9	89		19	148
		Decachlorobiphenyl	2	20	17.0	85		20	144
		Tetrachloro-m-xylene	2	20	18.5	92		19	148
PB167709BS	PB167709BS	Decachlorobiphenyl	1	20	19.8	99		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	18.8	94		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
I.BLK-PD088246.D	PIBLK-PD088246.D	Decachlorobiphenyl	1	20	17.9	89		43	140
		Tetrachloro-m-xylene	1	20	18.9	94		77	126
		Decachlorobiphenyl	2	20	17.1	85		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
I.BLK-PD088288.D	PIBLK-PD088288.D	Decachlorobiphenyl	1	20	18.0	90		43	140
		Tetrachloro-m-xylene	1	20	17.5	88		77	126
		Decachlorobiphenyl	2	20	16.4	82		43	140
		Tetrachloro-m-xylene	2	20	17.2	86		77	126
Q1858-02MS	COMP-2MS	Decachlorobiphenyl	1	20	15.0	75		20	144
		Tetrachloro-m-xylene	1	20	16.8	84		19	148
		Decachlorobiphenyl	2	20	13.0	65		20	144
		Tetrachloro-m-xylene	2	20	16.9	85		19	148
Q1858-02MSD	COMP-2MSD	Decachlorobiphenyl	1	20	15.2	76		20	144
		Tetrachloro-m-xylene	1	20	16.8	84		19	148
		Decachlorobiphenyl	2	20	12.6	63		20	144
		Tetrachloro-m-xylene	2	20	17.0	85		19	148
Q1859-01	COMP-1	Decachlorobiphenyl	1	20	9.17	46		20	144
		Tetrachloro-m-xylene	1	20	17.1	85		19	148
		Decachlorobiphenyl	2	20	6.94	35		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
Q1859-02	COMP-2	Decachlorobiphenyl	1	20	12.3	62		20	144
		Tetrachloro-m-xylene	1	20	18.1	90		19	148
		Decachlorobiphenyl	2	20	10.6	53		20	144
		Tetrachloro-m-xylene	2	20	17.9	89		19	148
Q1859-03	COMP-3	Decachlorobiphenyl	1	20	15.3	76		20	144

Surrogate Summary

SDG No.: Q1859

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1859-03	COMP-3	Tetrachloro-m-xylene	1	20	17.5	87		19	148
		Decachlorobiphenyl	2	20	11.1	55		20	144
		Tetrachloro-m-xylene	2	20	17.1	86		19	148
I.BLK-PD088302.D	PIBLK-PD088302.D	Decachlorobiphenyl	1	20	17.6	88		43	140
		Tetrachloro-m-xylene	1	20	18.1	91		77	126
		Decachlorobiphenyl	2	20	12.7	63		43	140
		Tetrachloro-m-xylene	2	20	17.7	89		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1859

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PD088293.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-2MS									
Q1858-02MS	Aldrin	20.49	0	18.0	ug/kg	88		49	139	
	Dieldrin	20.49	0.5976	18.1	ug/kg	85		47	161	
	4,4'-DDE	20.49	0	16.1	ug/kg	79		55	136	
	4,4'-DDD	20.49	0	17.7	ug/kg	86		47	163	
	4,4'-DDT	20.49	0	16.8	ug/kg	82		51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1859

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PD088294.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-2MSD											
Q1858-02MSD	Aldrin	20.48	0	17.9	ug/kg	87		1		49	139	20
	Dieldrin	20.48	0.5976	18.0	ug/kg	85		0		47	161	20
	4,4'-DDE	20.48	0	16.2	ug/kg	79		0		55	136	20
	4,4'-DDD	20.48	0	17.4	ug/kg	85		1		47	163	20
	4,4'-DDT	20.48	0	16.5	ug/kg	81		1		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1859

Client: Kleinfelder

Analytical Method: **8081B** Datafile : PD088239.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167709BS	Aldrin	16.66	16.4	ug/kg	98				82	124	
	Dieldrin	16.66	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.66	16.1	ug/kg	97				81	123	
	4,4'-DDD	16.66	16.7	ug/kg	100				80	131	
	4,4'-DDT	16.66	15.3	ug/kg	92				70	129	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167709BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: Q1859

SAS No.: Q1859 SDG NO.: Q1859

Lab Sample ID: PB167709BL

Lab File ID: PD088238.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/23/2025

Date Analyzed (1): 04/23/2025

Date Analyzed (2): 04/23/2025

Time Analyzed (1): 12:45

Time Analyzed (2): 12:45

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167709BS	PB167709BS	PD088239.D	04/23/2025	04/23/2025
COMP-2MS	Q1858-02MS	PD088293.D	04/28/2025	04/28/2025
COMP-2MSD	Q1858-02MSD	PD088294.D	04/28/2025	04/28/2025
COMP-1	Q1859-01	PD088296.D	04/28/2025	04/28/2025
COMP-2	Q1859-02	PD088297.D	04/28/2025	04/28/2025
COMP-3	Q1859-03	PD088298.D	04/28/2025	04/28/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-1	SDG No.:	Q1859
Lab Sample ID:	Q1859-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.07 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
PD088296.D	1	04/23/25 08:35	04/28/25 11:13	PB167709

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	0.29	JP	0.18	2.10	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	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	0.18	U	0.18	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.17		20 - 144	46%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		19 - 148	85%	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_D\Data\PD042825\
 Data File : PD088296.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 11:13
 Operator : AR\AJ
 Sample : Q1859-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:19:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.882	34077329	242.2E6	17.061m	16.565
28)	SA Decachlor...	9.072	8.074	30325450	128.3E6	9.167	6.943
Target Compounds							
13)	MA Dieldrin	6.345	5.512	2469614	9129117	0.692	0.458m#

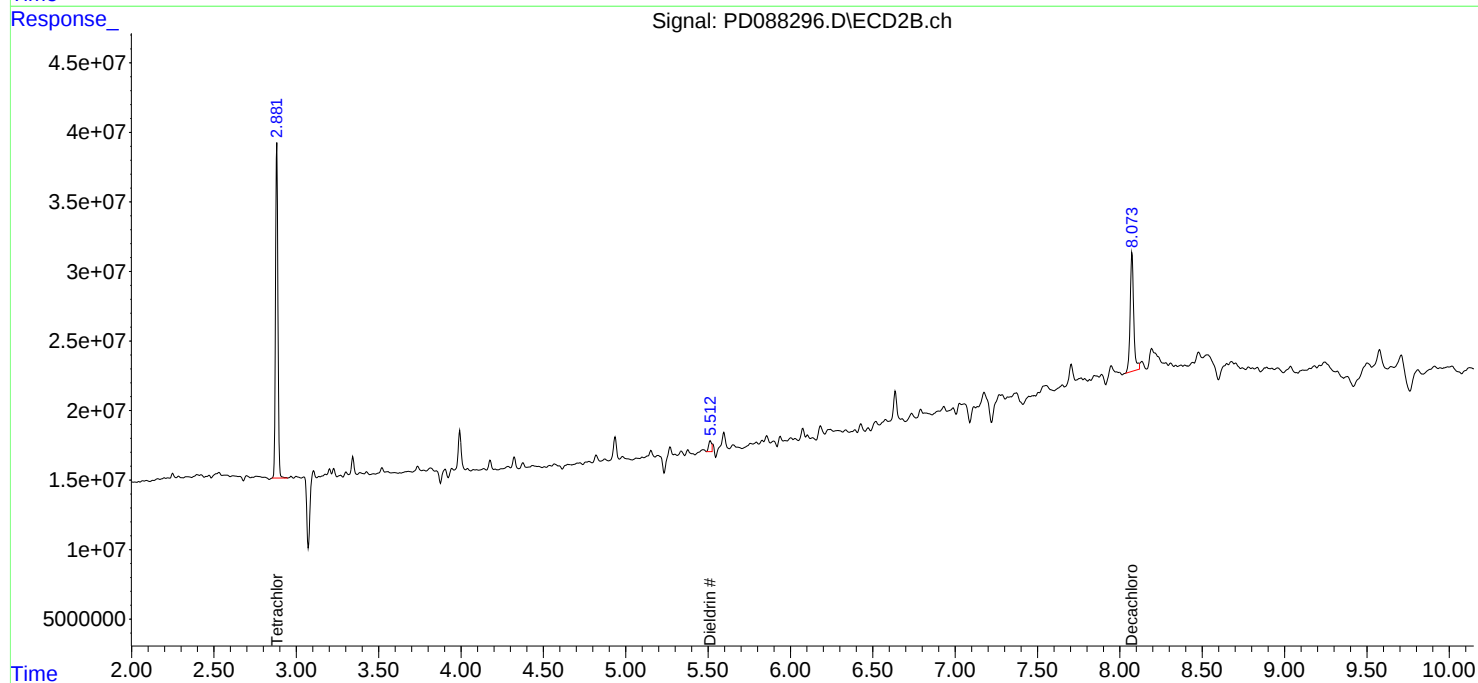
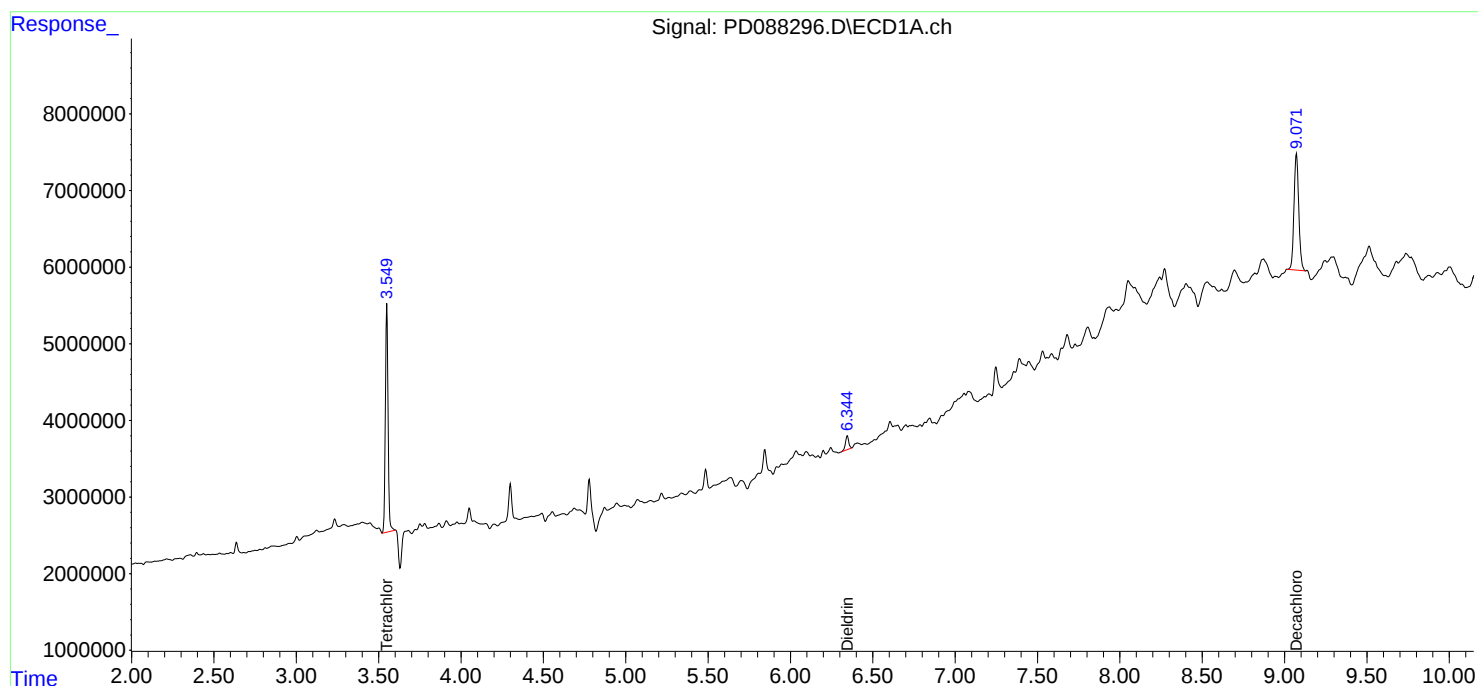
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

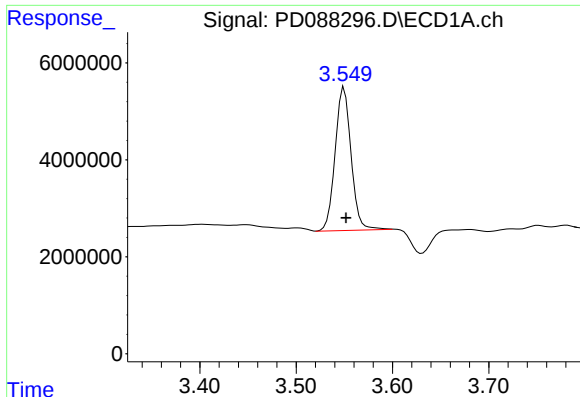
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 11:13
Operator : AR\AJ
Sample : Q1859-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

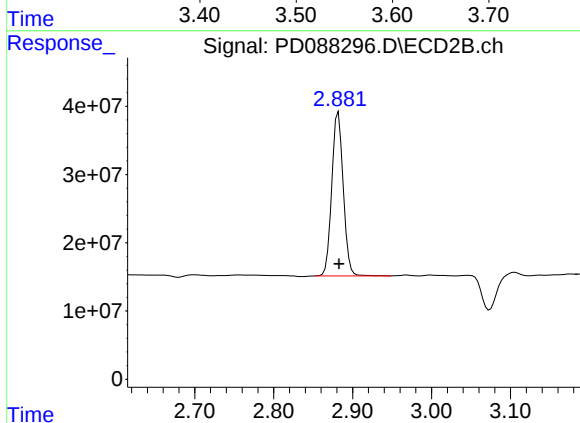




#1 Tetrachloro-m-xylene

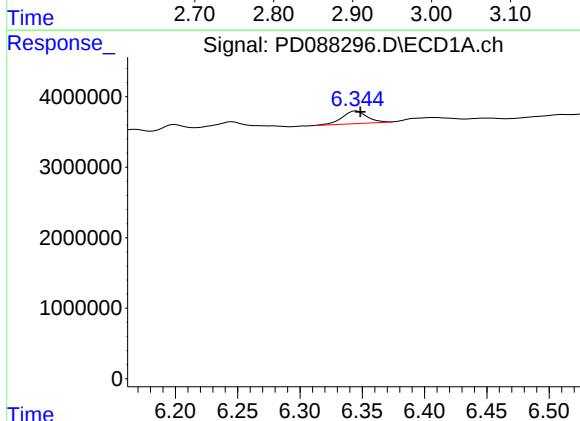
R.T.: 3.549 min
Delta R.T.: -0.003 min
Response: 34077329
Conc: 17.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1



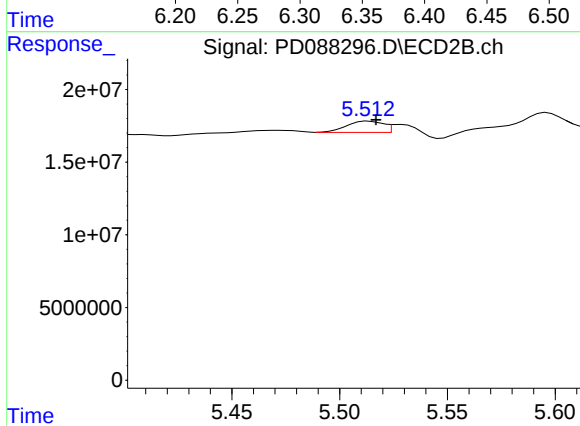
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 242201886
Conc: 16.56 ng/ml



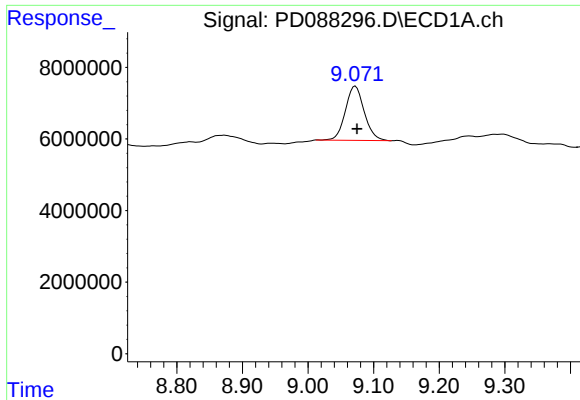
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.003 min
Response: 2469614
Conc: 0.69 ng/ml



#13 Dieldrin

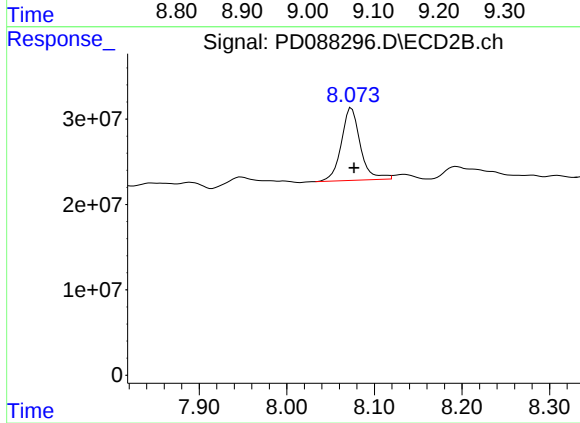
R.T.: 5.512 min
Delta R.T.: -0.005 min
Response: 9129117
Conc: 0.46 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 30325450
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 128308552
Conc: 6.94 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-2	SDG No.:	Q1859
Lab Sample ID:	Q1859-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.2 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
PD088297.D	1	04/23/25 08:35	04/28/25 11:26	PB167709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.3		20 - 144	62%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		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

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J = Estimated Value

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D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 11:26
Operator : AR\AJ
Sample : Q1859-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:19:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.882	36082061	260.9E6	18.065	17.845
28)	SA Decachlor...	9.072	8.075	40794397	196.0E6	12.332	10.604

Target Compounds

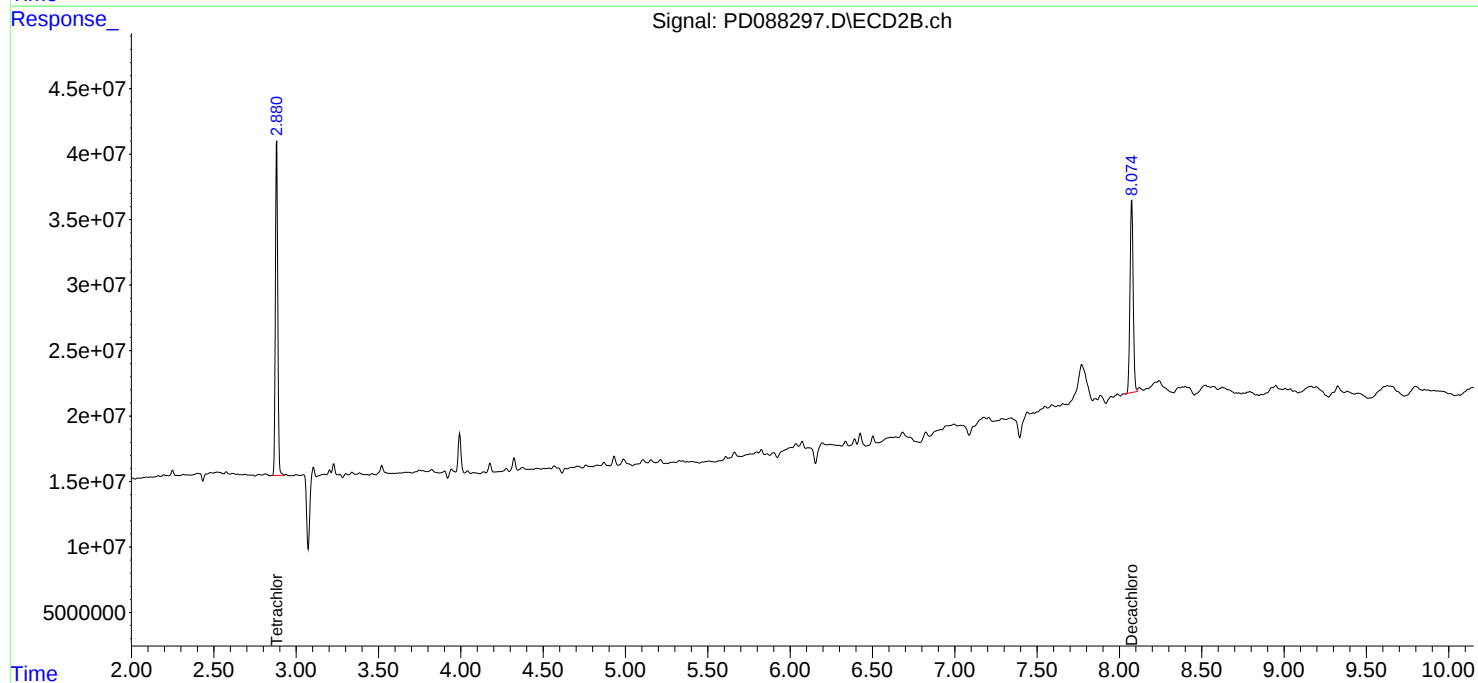
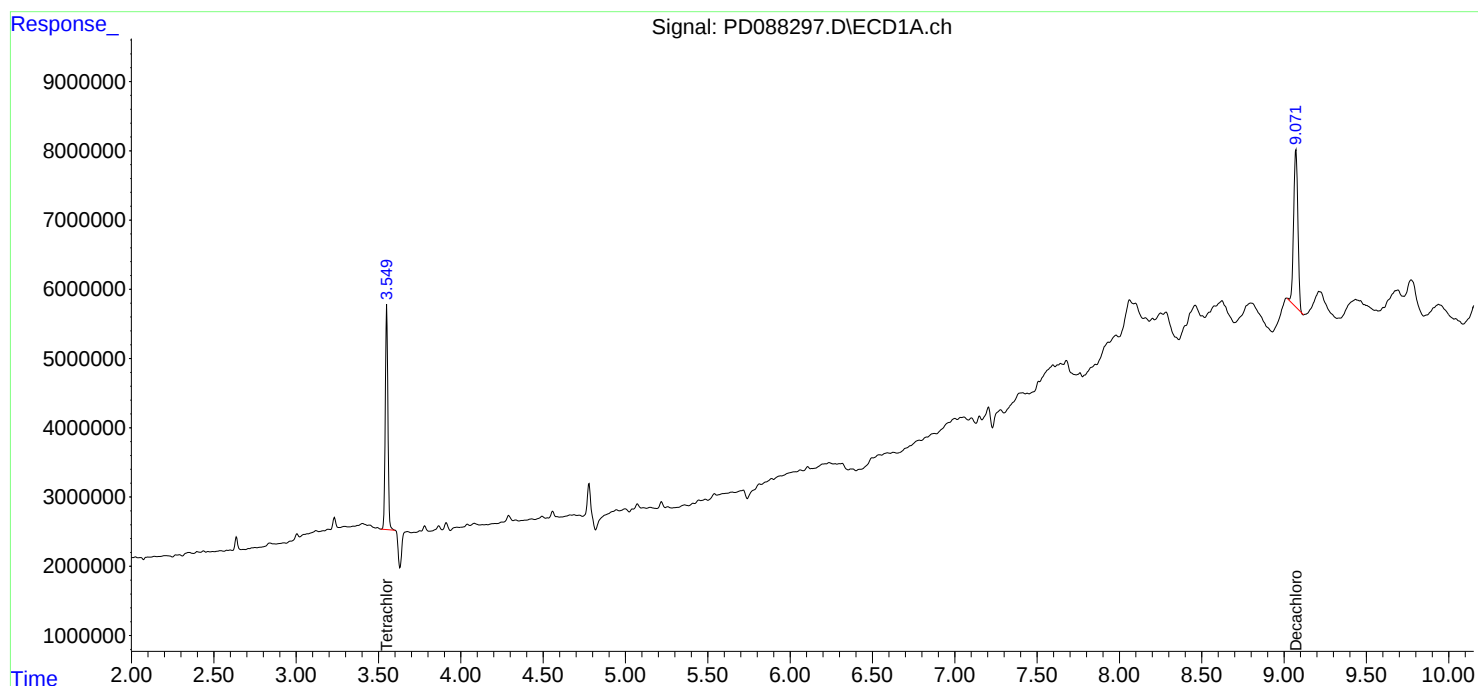
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

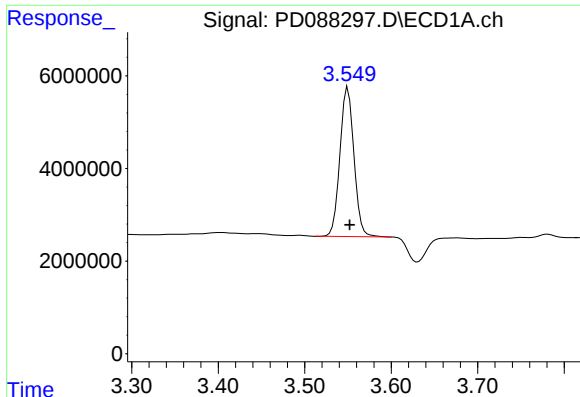
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 11:26
Operator : AR\AJ
Sample : Q1859-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:19:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

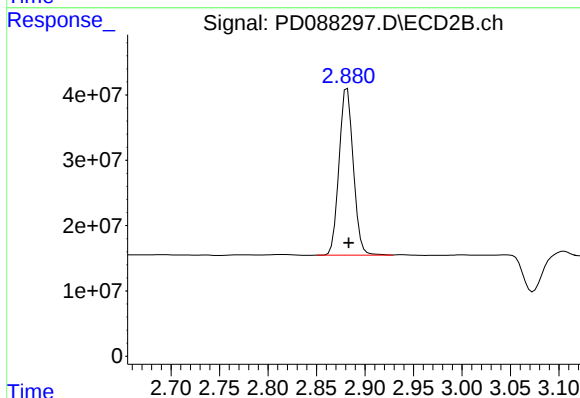




#1 Tetrachloro-m-xylene

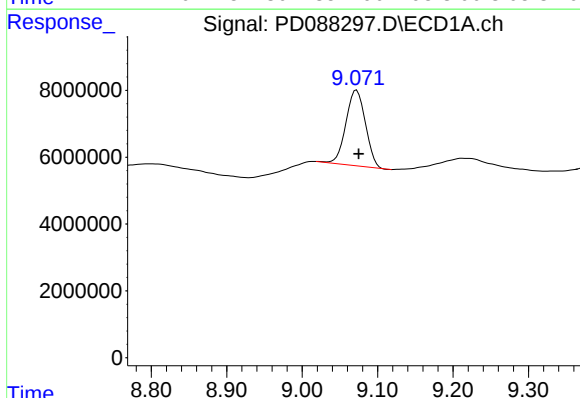
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 36082061
Conc: 18.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2



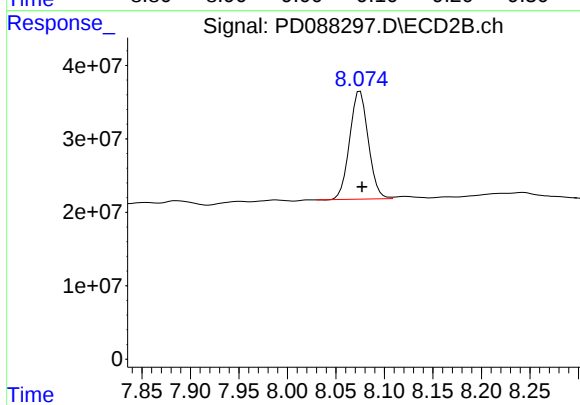
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 260925224
Conc: 17.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 40794397
Conc: 12.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 195952935
Conc: 10.60 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-3	SDG No.:	Q1859
Lab Sample ID:	Q1859-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	85.6
Sample Wt/Vol:	30.06	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
PD088298.D	1	04/23/25 08:35	04/28/25 11:40	PB167709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		20 - 144	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		19 - 148	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_D\Data\PD042825\
 Data File : PD088298.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 11:40
 Operator : AR\AJ
 Sample : Q1859-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-3

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:19:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.882	34865006	250.1E6	17.455	17.108
28)	SA Decachlor...	9.073	8.075	50506246	204.4E6	15.267	11.063 #

Target Compounds

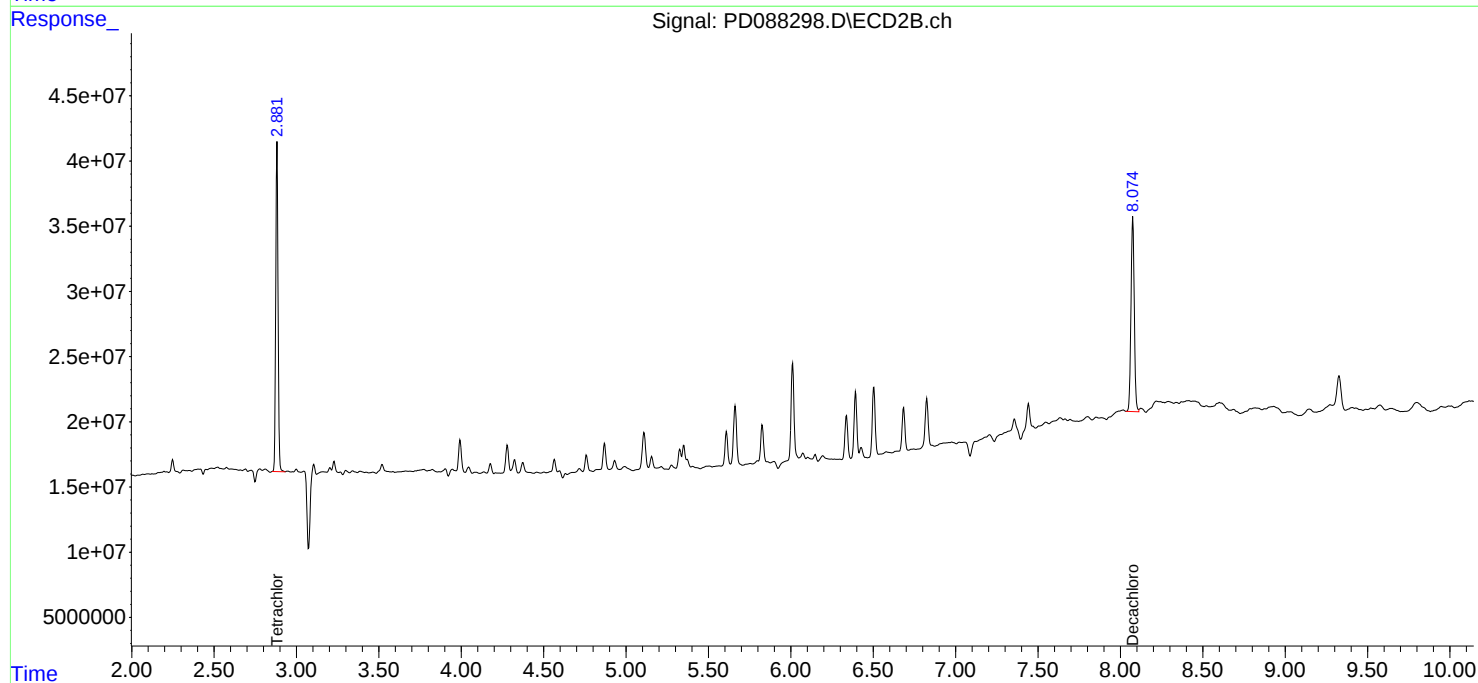
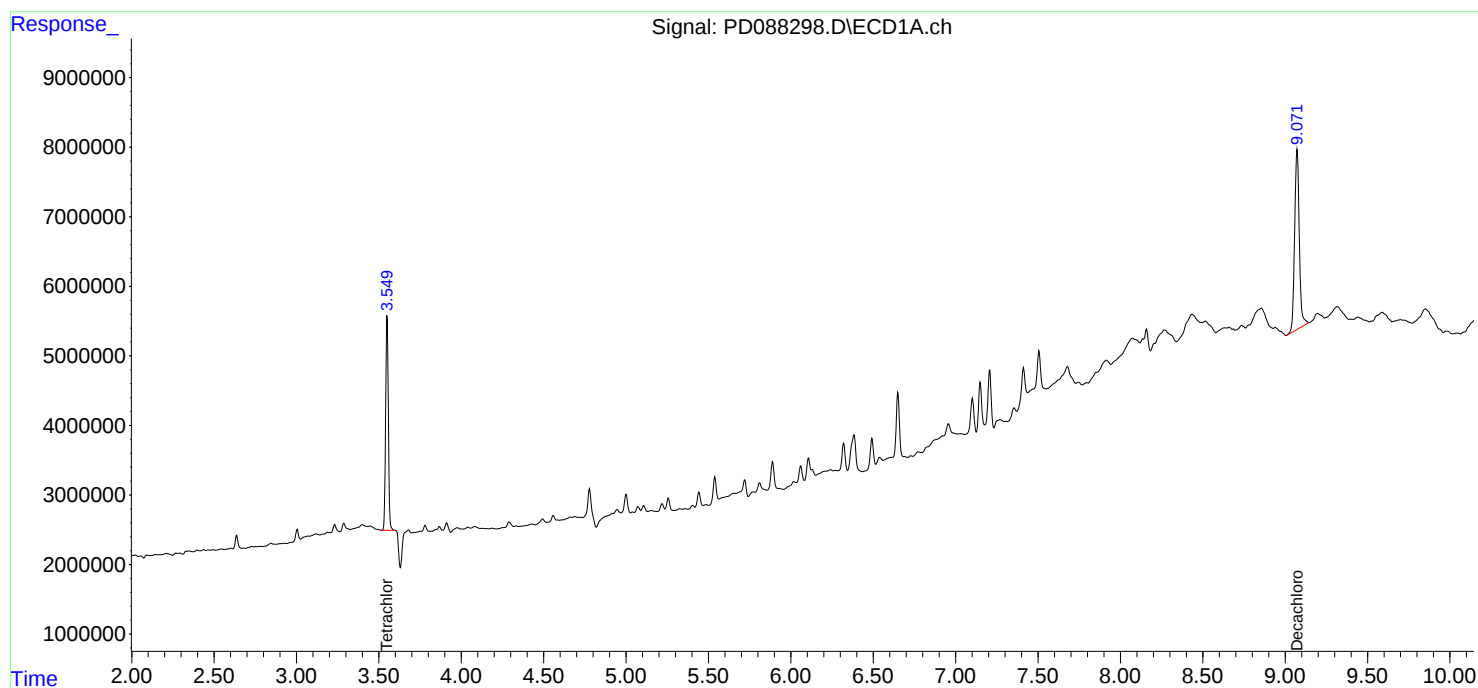
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

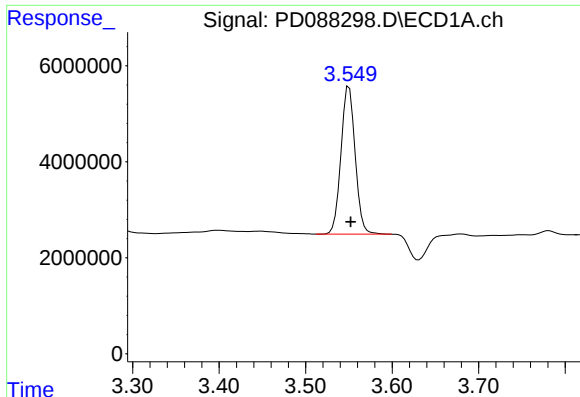
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 11:40
Operator : AR\AJ
Sample : Q1859-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

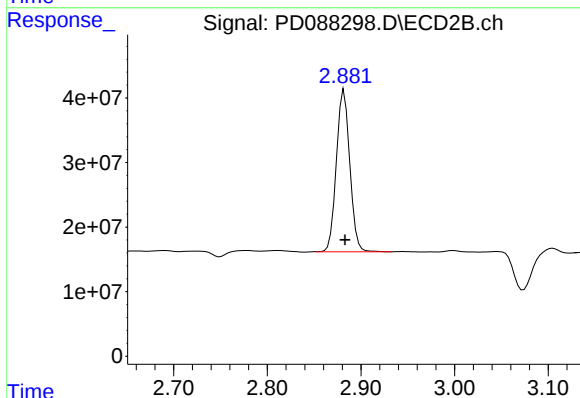




#1 Tetrachloro-m-xylene

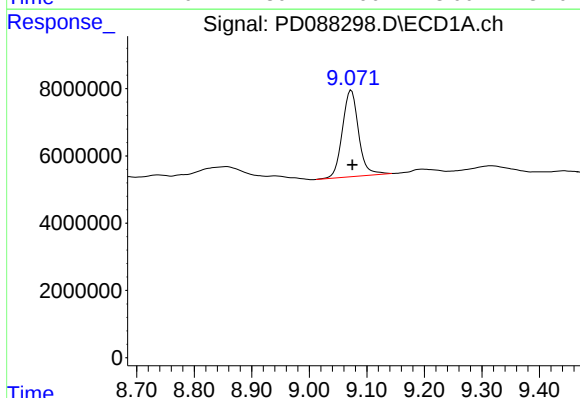
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 34865006
Conc: 17.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3



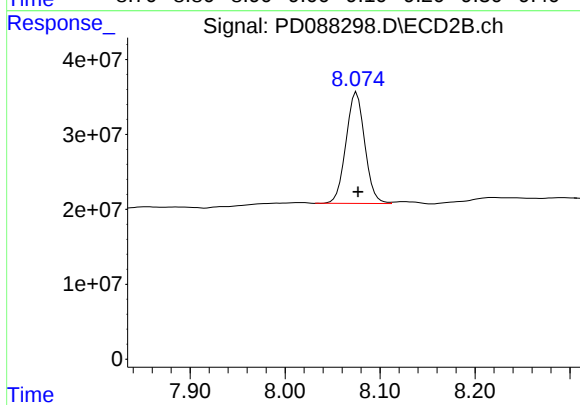
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 250144262
Conc: 17.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 50506246
Conc: 15.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 204446666
Conc: 11.06 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>POWE02</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>	SAS No.:	<u>Q1859</u>	SDG NO.:	<u>Q1859</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):		<u>04/18/2025</u>	<u>04/18/2025</u>		
		Calibration Times:		<u>13:56</u>	<u>14:51</u>		

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

LAB FILE ID:	RT 100 =	<u>PD088124.D</u>	RT 075 =	<u>PD088125.D</u>
	RT 050 =	PD088126.D	RT 025 =	PD088127.D
			RT 005 =	PD088128.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02
Lab Code: CHEM **Case No.:** Q1859 **SAS No.:** Q1859 **SDG NO.:** Q1859
Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025
Calibration Times: 13:56 14:51

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

LAB FILE ID:	RT 100 = <u>PD088124.D</u>	RT 075 = <u>PD088125.D</u>
RT 050 = <u>PD088126.D</u>	RT 025 = <u>PD088127.D</u>	RT 005 = <u>PD088128.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99



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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =		<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =		<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088124.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:56
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 04:25:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 04:25:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.900	198.2E6	1361.5E6	101.114	98.568
28)	SA Decachlor...	9.075	8.093	308.1E6	1676.7E6	98.445	97.946
Target Compounds							
2)	A alpha-BHC	4.001	3.413	478.3E6	2191.3E6	104.846	99.598
3)	MA gamma-BHC...	4.332	3.749	450.7E6	2014.1E6	104.066	98.975
4)	MA Heptachlor	4.931	4.103	426.4E6	1982.7E6	103.473	98.276
5)	MB Aldrin	5.273	4.389	419.1E6	1944.0E6	103.451	98.579
6)	B beta-BHC	4.516	4.045	160.4E6	847.4E6	100.801	97.843
7)	B delta-BHC	4.765	4.282	444.5E6	2017.9E6	104.335	99.275
8)	B Heptachlo...	5.693	4.892	367.1E6	1736.0E6	102.579	98.354m
9)	A Endosulfan I	6.076	5.268	345.0E6	1644.8E6	102.166	97.631
10)	B gamma-Chl...	5.947	5.146	375.8E6	1896.0E6	103.034	98.757
11)	B alpha-Chl...	6.029	5.211	371.0E6	1819.3E6	102.498	98.477
12)	B 4,4'-DDE	6.197	5.396	346.7E6	1834.5E6	103.381	98.584
13)	MA Dieldrin	6.349	5.533	375.0E6	1853.7E6	103.019	98.382
14)	MA Endrin	6.576	5.810	312.8E6	1675.6E6	103.179	97.930
15)	B Endosulfa...	6.787	6.101	310.4E6	1601.0E6	101.581	97.777
16)	A 4,4'-DDD	6.706	5.950	265.8E6	1515.5E6	103.156	97.940
17)	MA 4,4'-DDT	7.023	6.204	292.3E6	1643.2E6	102.967	99.053
18)	B Endrin al...	6.917	6.279	229.5E6	1206.4E6	101.060	97.405
19)	B Endosulfa...	7.151	6.502	289.7E6	1562.9E6	101.567	97.534
20)	A Methoxychlor	7.494	6.774	146.1E6	827.2E6	99.776	96.687
21)	B Endrin ke...	7.631	7.011	312.9E6	1699.7E6	101.477	97.396
22)	Mirex	8.115	7.205	219.9E6	1333.1E6	98.857	97.475

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:56
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

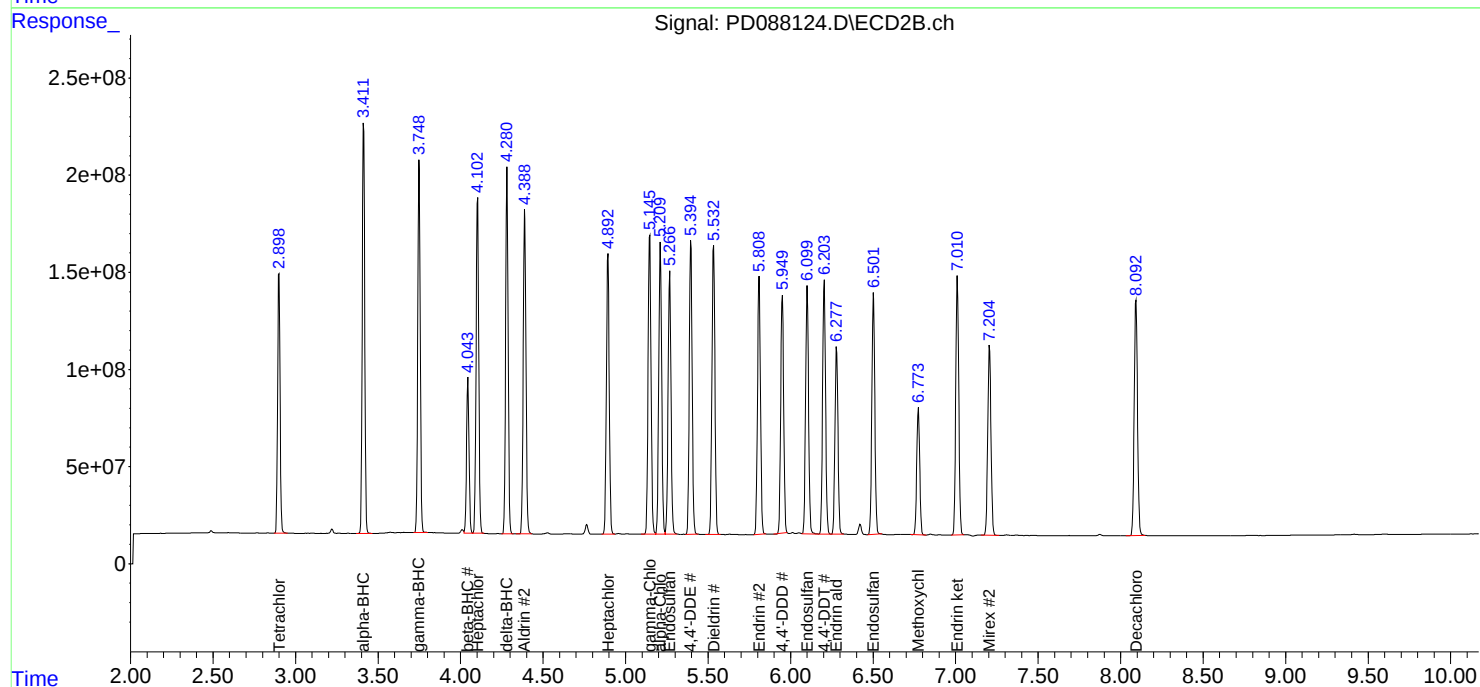
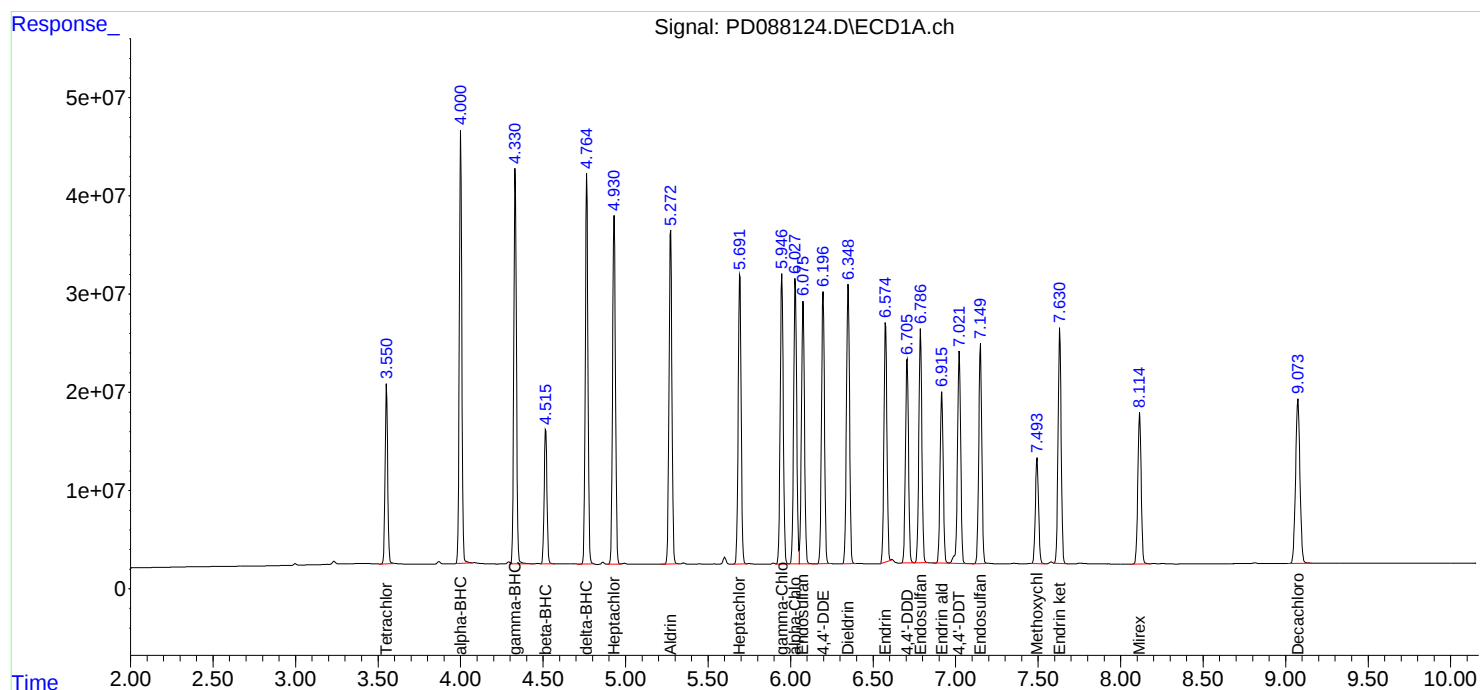
APPROVED

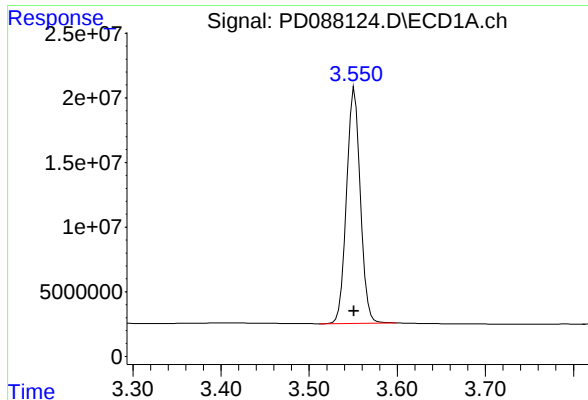
Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:25:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:25:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





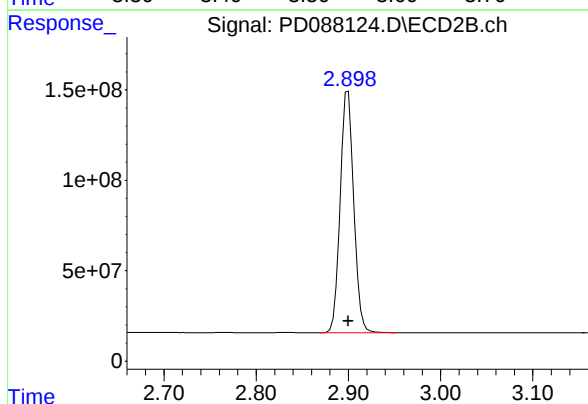
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 198234117
Conc: 101.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

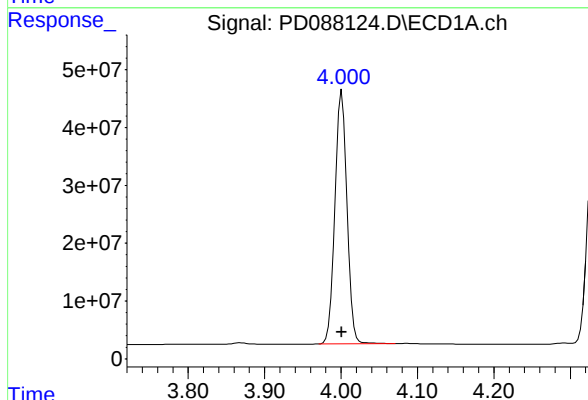
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



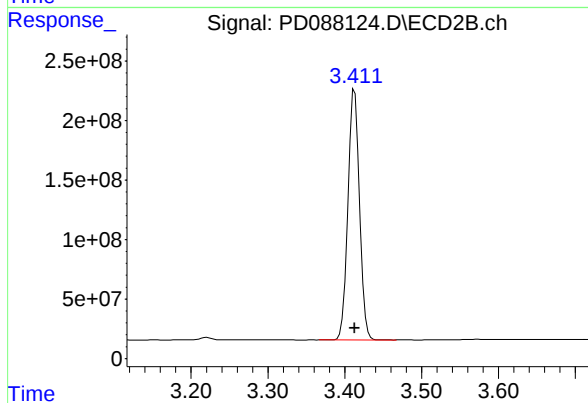
#1 Tetrachloro-m-xylene

R.T.: 2.900 min
Delta R.T.: 0.000 min
Response: 1361531613
Conc: 98.57 ng/ml



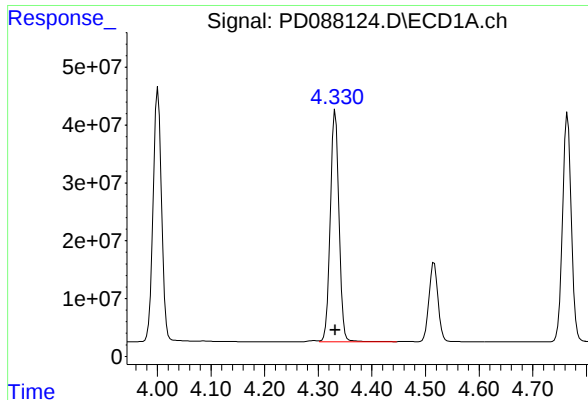
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 478294593
Conc: 104.85 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: 0.000 min
Response: 2191345557
Conc: 99.60 ng/ml



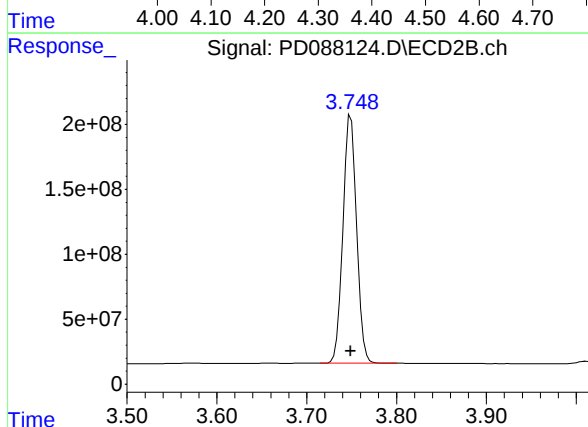
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 450721159
Conc: 104.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

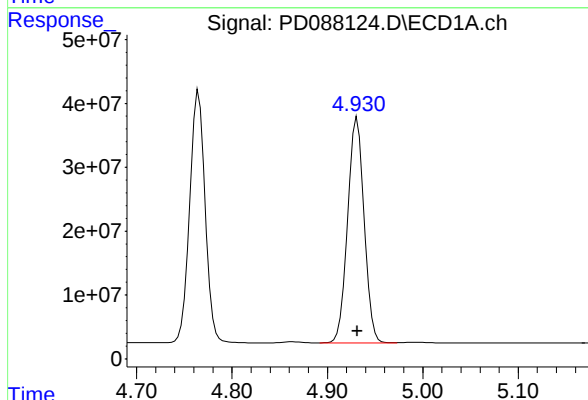
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



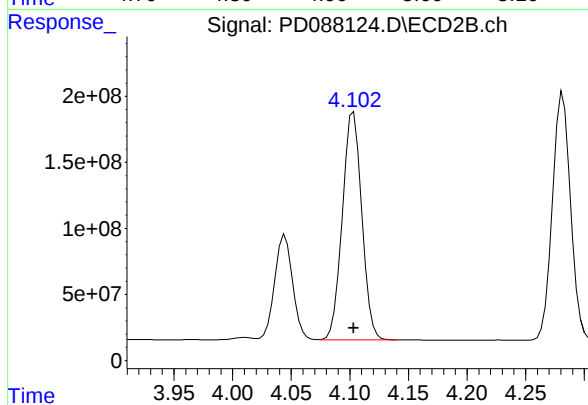
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 2014083811
Conc: 98.97 ng/ml



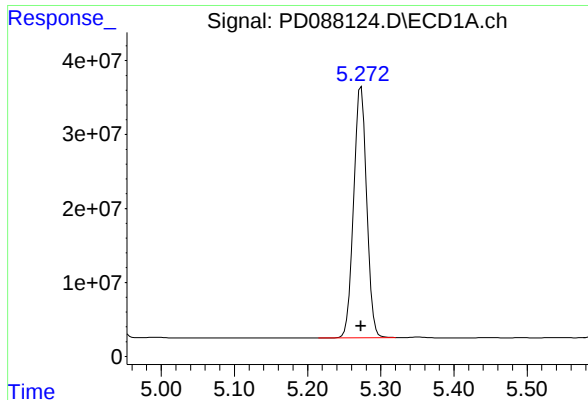
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 426448897
Conc: 103.47 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: 0.000 min
Response: 1982693593
Conc: 98.28 ng/ml



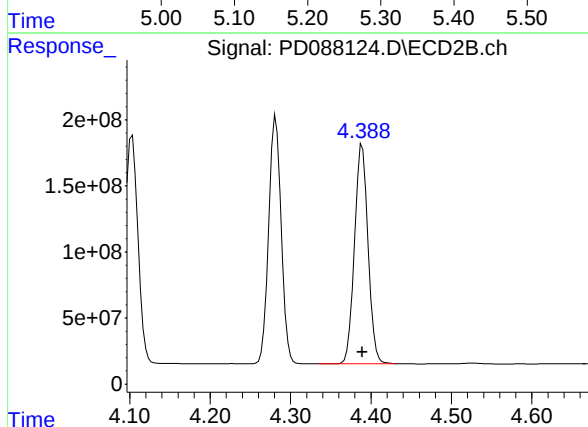
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 419147389
Conc: 103.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

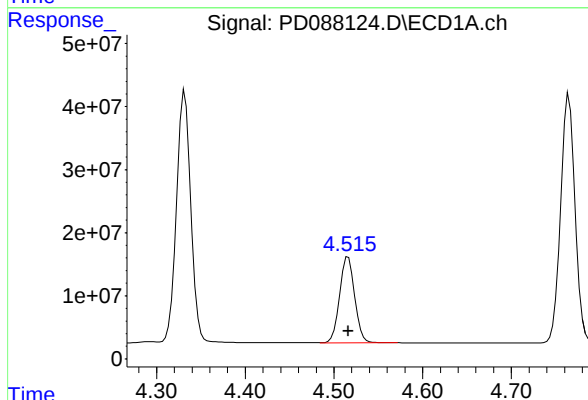
Manual Integrations
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Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



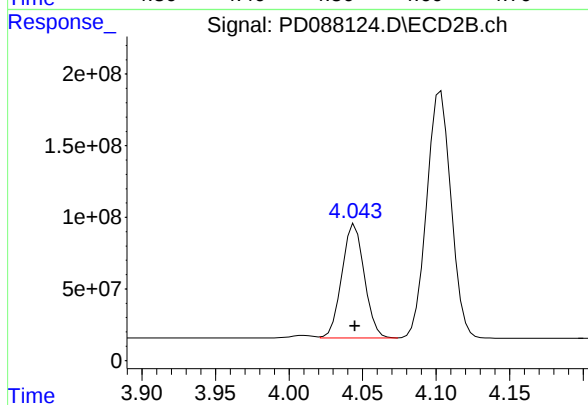
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 1943968817
Conc: 98.58 ng/ml



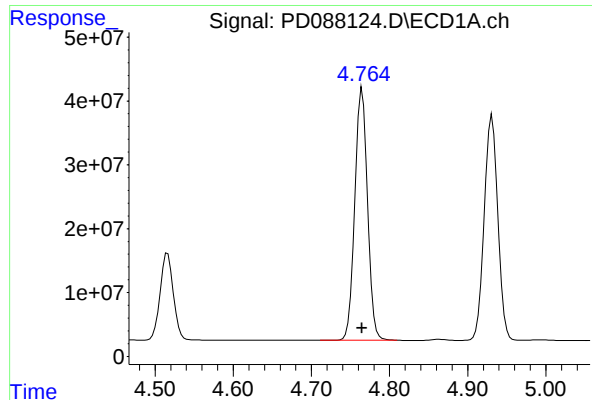
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 160449345
Conc: 100.80 ng/ml



#6 beta-BHC

R.T.: 4.045 min
Delta R.T.: 0.000 min
Response: 847390411
Conc: 97.84 ng/ml



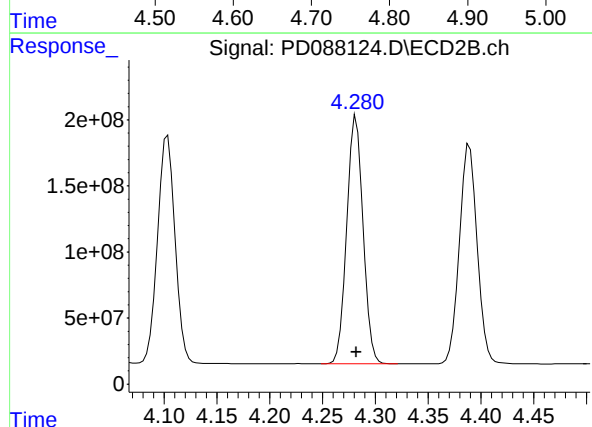
#7 delta-BHC

R.T.: 4.765 min
 Delta R.T.: 0.000 min
 Response: 444516408
 Conc: 104.34 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

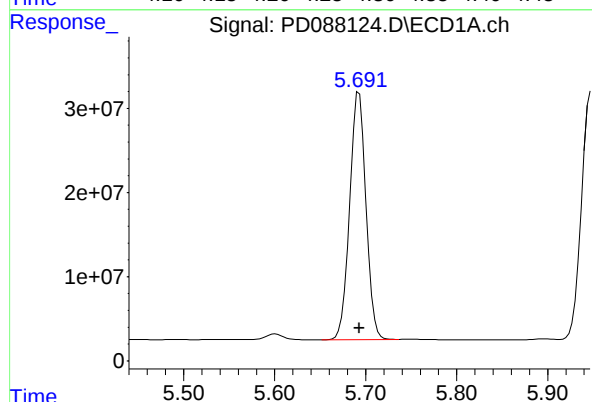
Manual Integrations
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 Supervised By :mohammad ahmed 04/22/2025



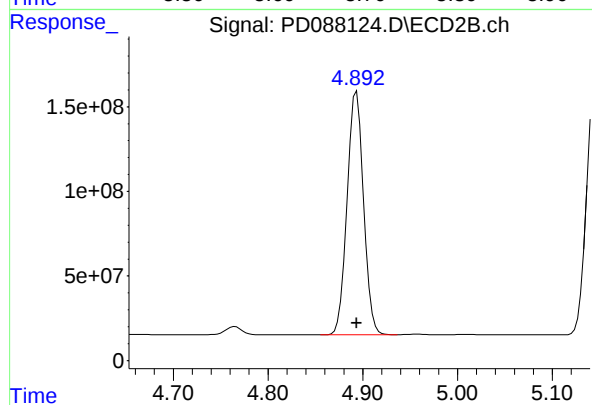
#7 delta-BHC

R.T.: 4.282 min
 Delta R.T.: 0.000 min
 Response: 2017870820
 Conc: 99.27 ng/ml



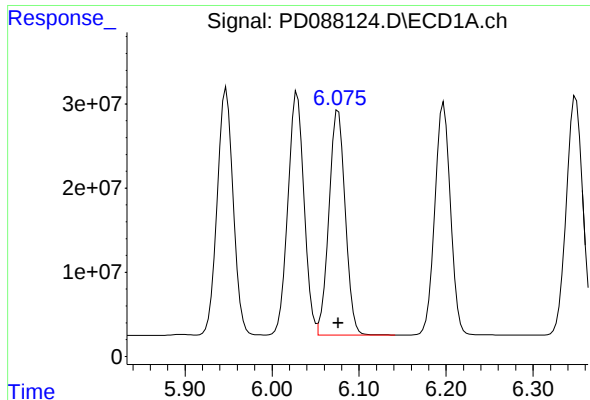
#8 Heptachlor epoxide

R.T.: 5.693 min
 Delta R.T.: 0.000 min
 Response: 367091395
 Conc: 102.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.892 min
 Delta R.T.: -0.001 min
 Response: 1735990040
 Conc: 98.35 ng/ml m



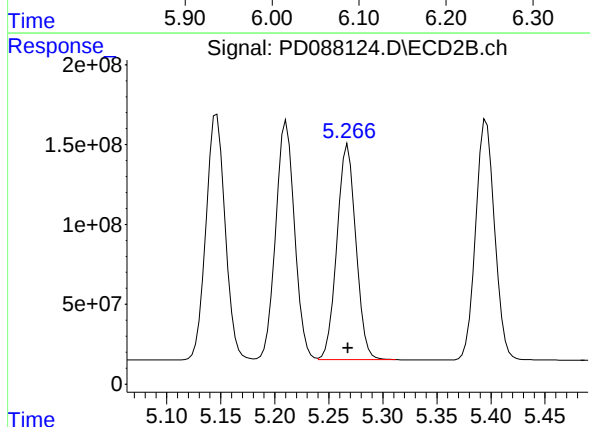
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 345033577
Conc: 102.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

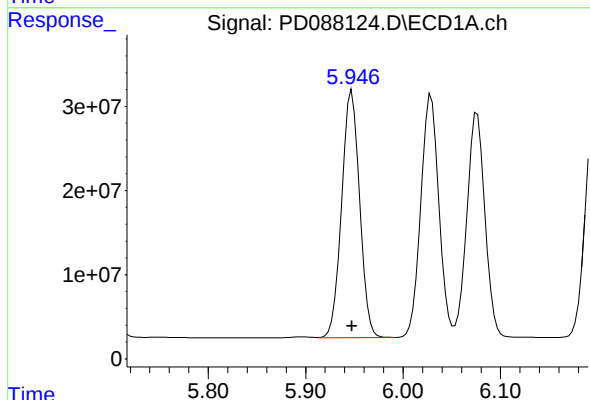
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



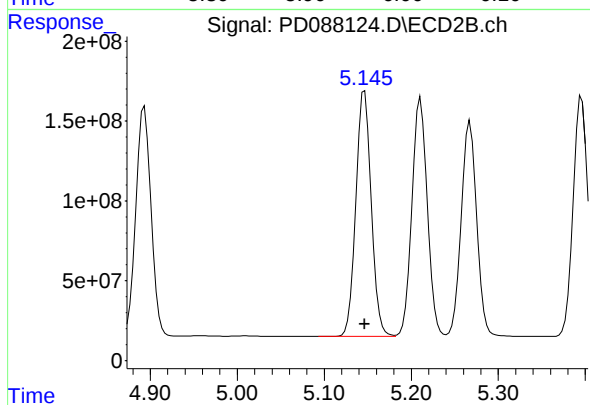
#9 Endosulfan I

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 1644830777
Conc: 97.63 ng/ml



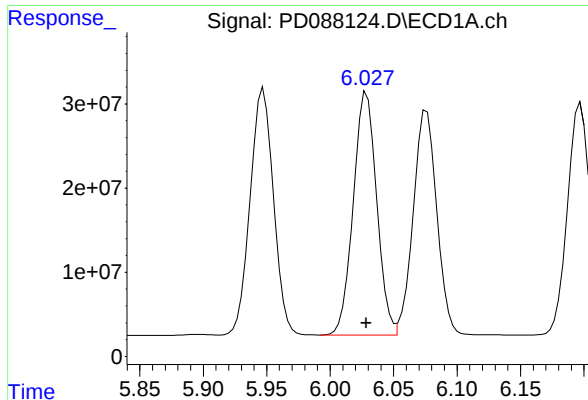
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 375755476
Conc: 103.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 1896002446
Conc: 98.76 ng/ml



#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 371034138
Conc: 102.50 ng/ml

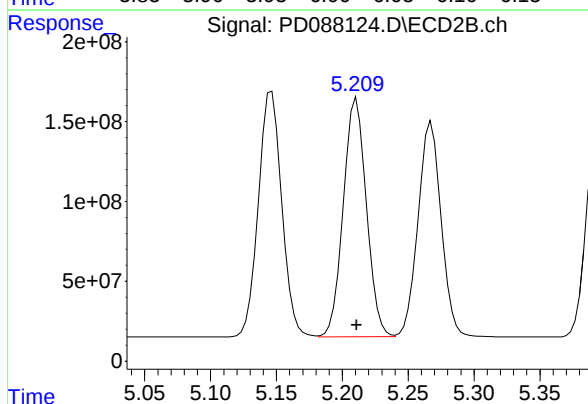
Instrument :

ECD_D

ClientSampleId :
PSTDICC100

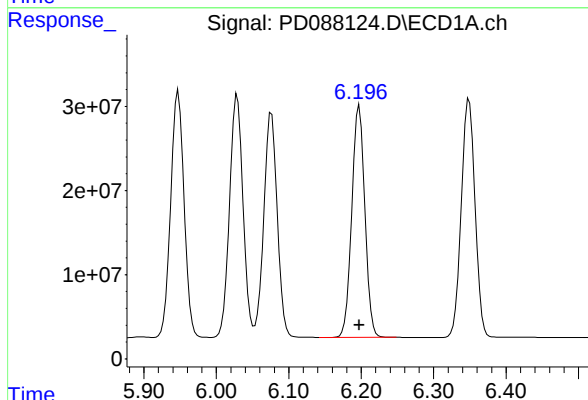
Manual Integrations
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Supervised By :mohammad ahmed 04/22/2025



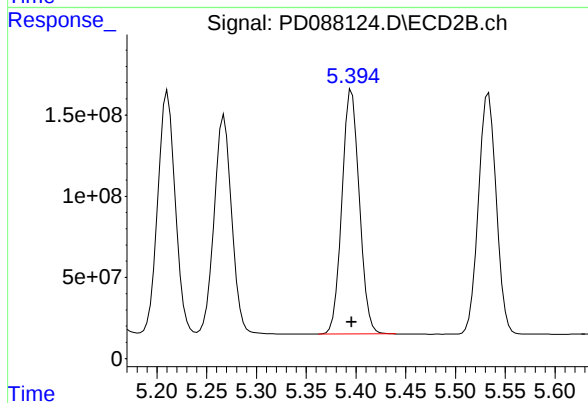
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 1819263378
Conc: 98.48 ng/ml



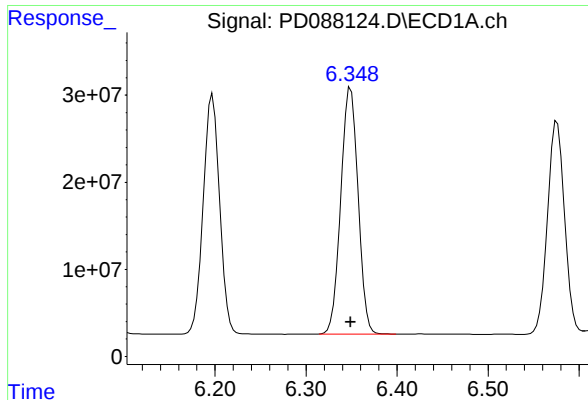
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 346691318
Conc: 103.38 ng/ml



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: 0.000 min
Response: 1834547618
Conc: 98.58 ng/ml



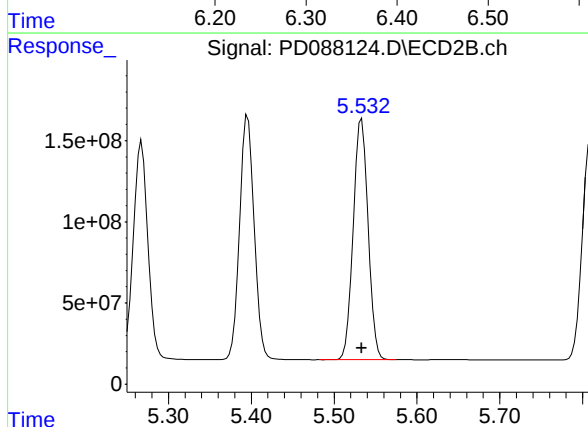
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 375015671
Conc: 103.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

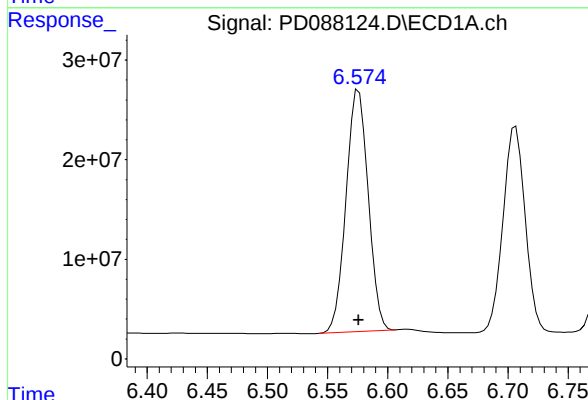
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



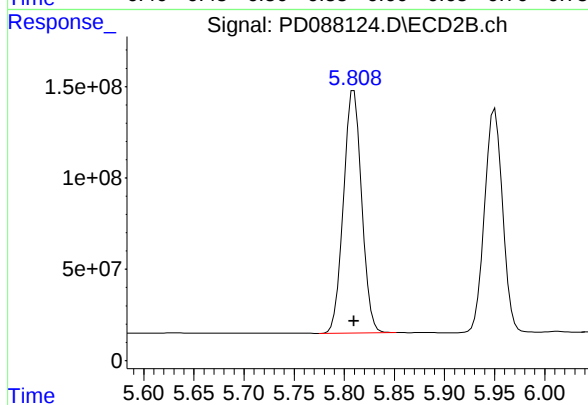
#13 Dieldrin

R.T.: 5.533 min
Delta R.T.: 0.000 min
Response: 1853680989
Conc: 98.38 ng/ml



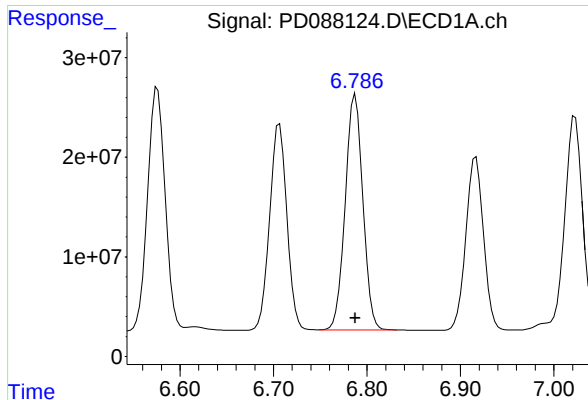
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 312818338
Conc: 103.18 ng/ml



#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.000 min
Response: 1675615058
Conc: 97.93 ng/ml



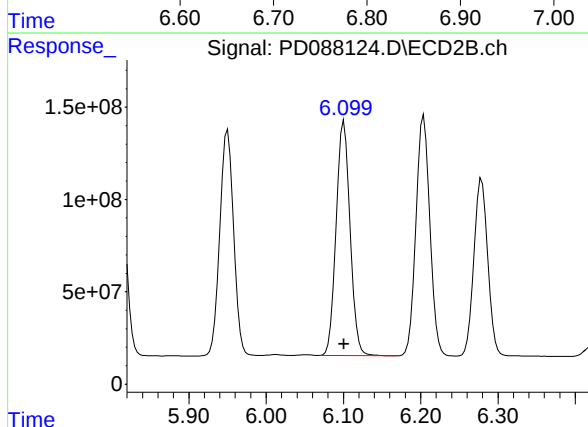
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 310413086
Conc: 101.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

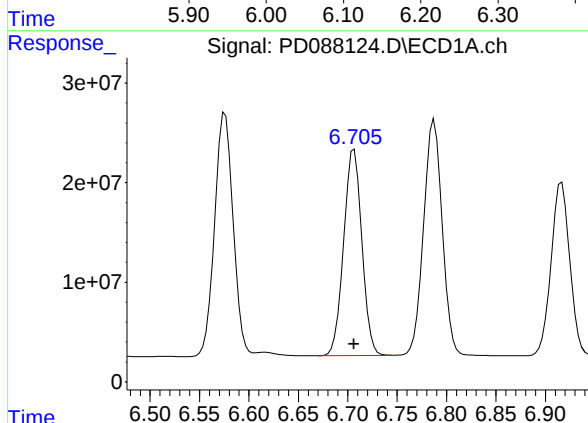
Manual Integrations
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Supervised By :mohammad ahmed 04/22/2025



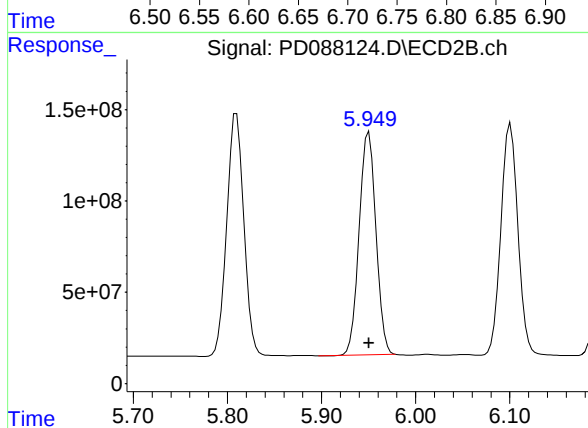
#15 Endosulfan II

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 1600976508
Conc: 97.78 ng/ml



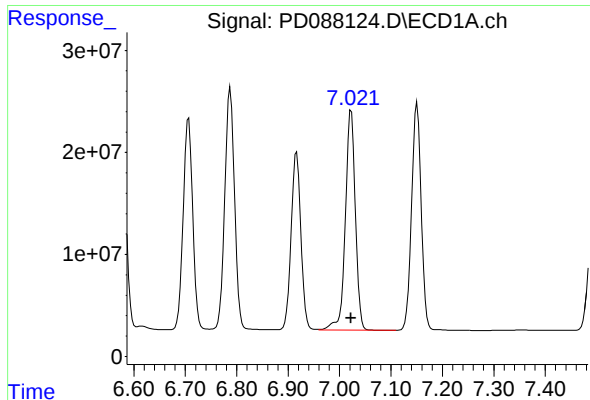
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 265760396
Conc: 103.16 ng/ml



#16 4,4'-DDD

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 1515468249
Conc: 97.94 ng/ml



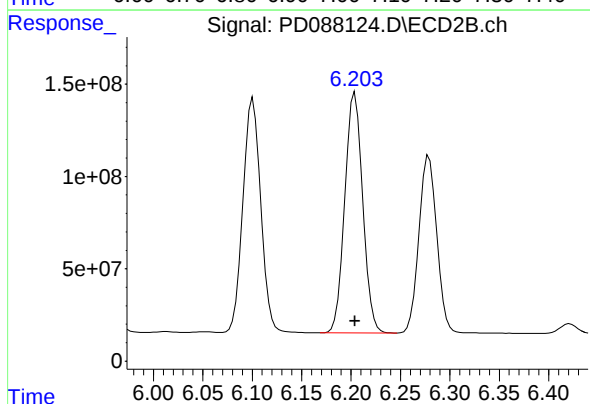
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 292348242
Conc: 102.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

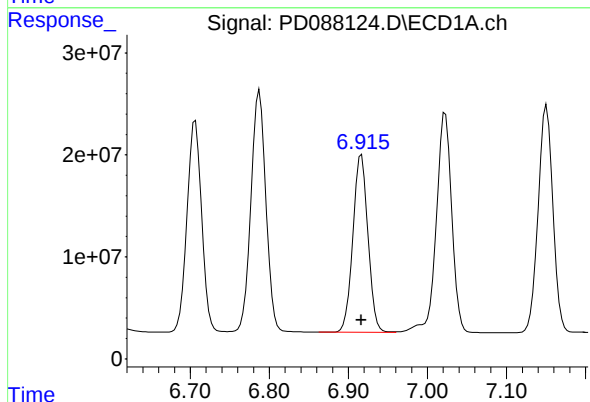
Manual Integrations
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Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



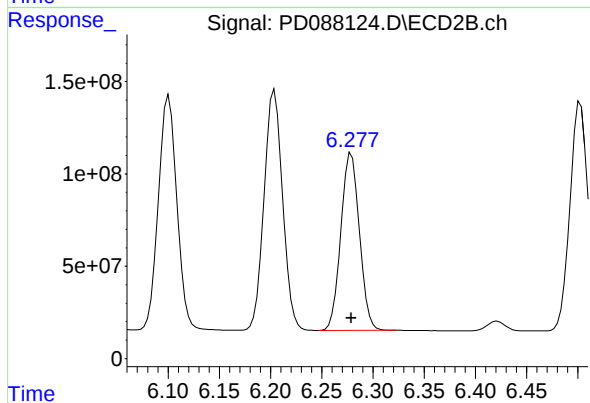
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 1643160337
Conc: 99.05 ng/ml



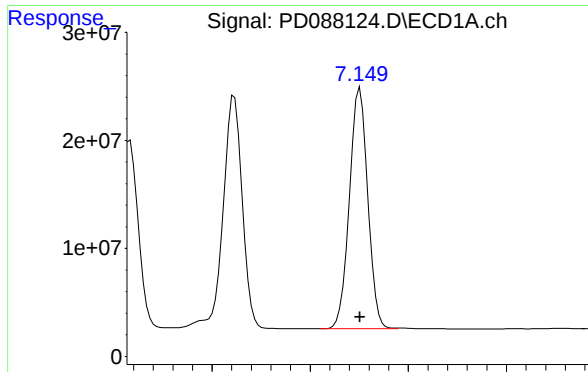
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 229501229
Conc: 101.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 1206434283
Conc: 97.40 ng/ml



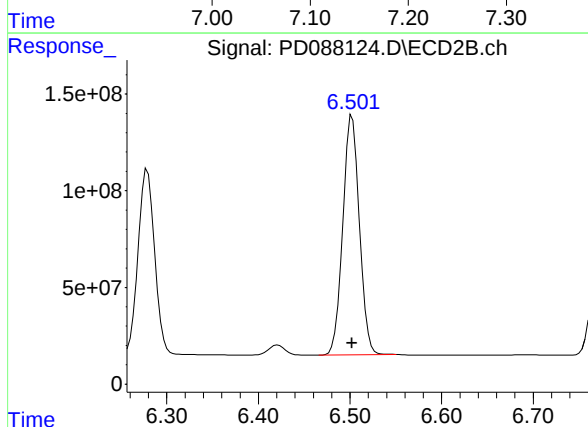
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 289697395
Conc: 101.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

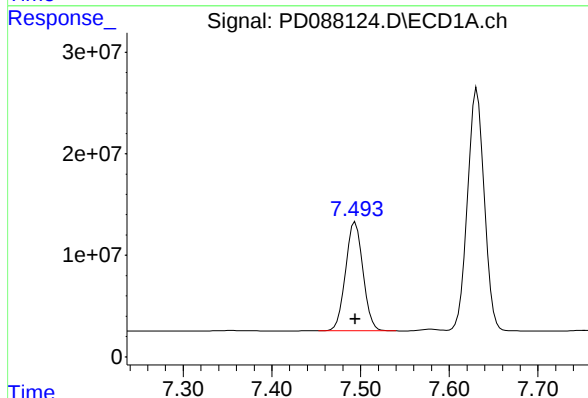
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



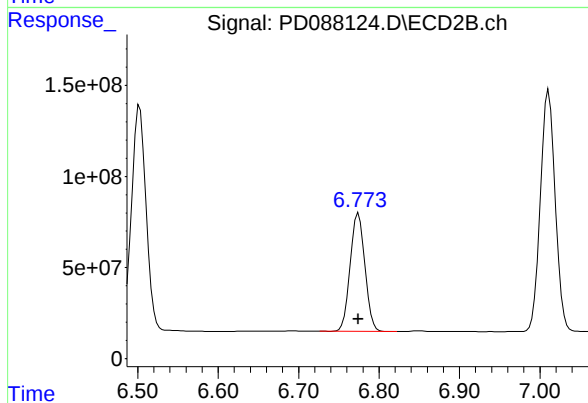
#19 Endosulfan Sulfate

R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 1562895135
Conc: 97.53 ng/ml



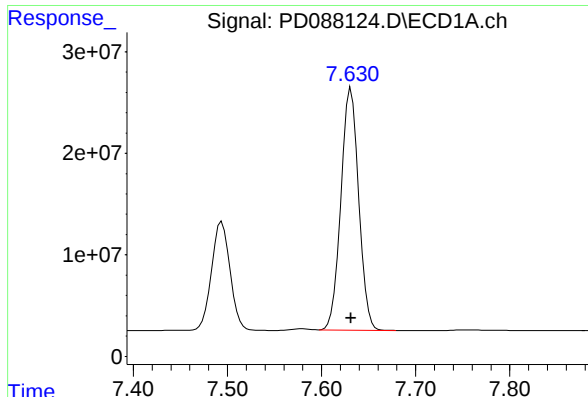
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 146129589
Conc: 99.78 ng/ml



#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 827232755
Conc: 96.69 ng/ml



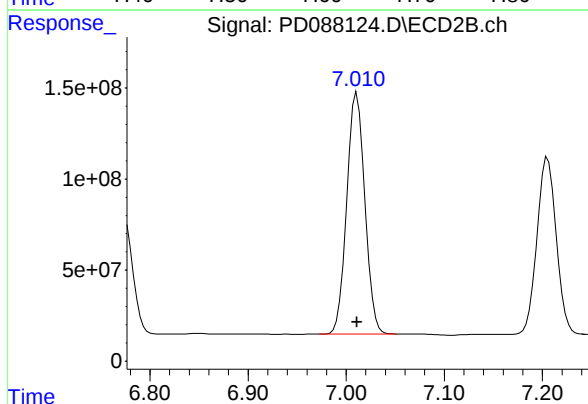
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 312858827
Conc: 101.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

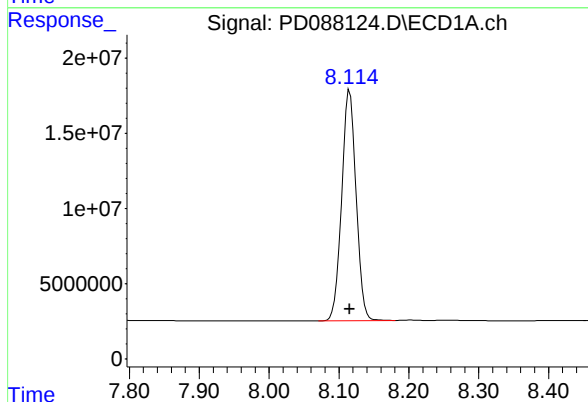
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



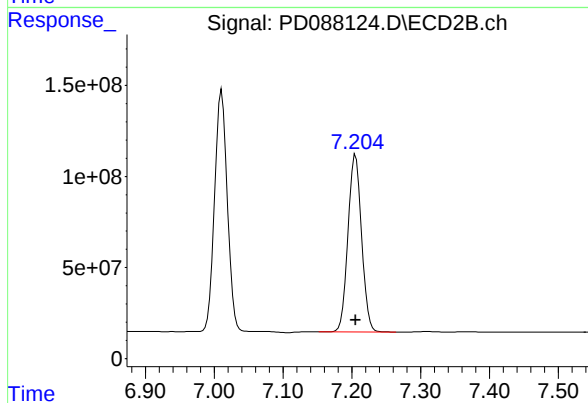
#21 Endrin ketone

R.T.: 7.011 min
Delta R.T.: 0.000 min
Response: 1699657766
Conc: 97.40 ng/ml



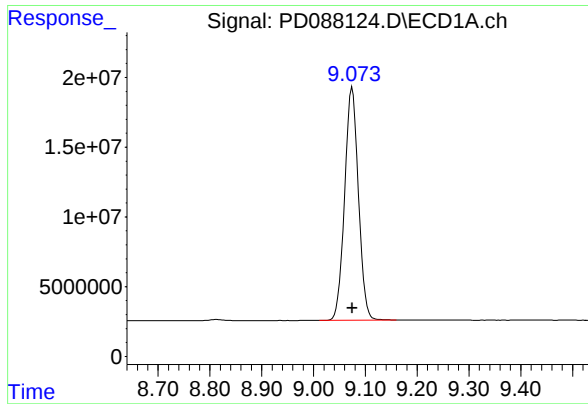
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 219877176
Conc: 98.86 ng/ml



#22 Mirex

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 1333108121
Conc: 97.48 ng/ml



#28 Decachlorobiphenyl

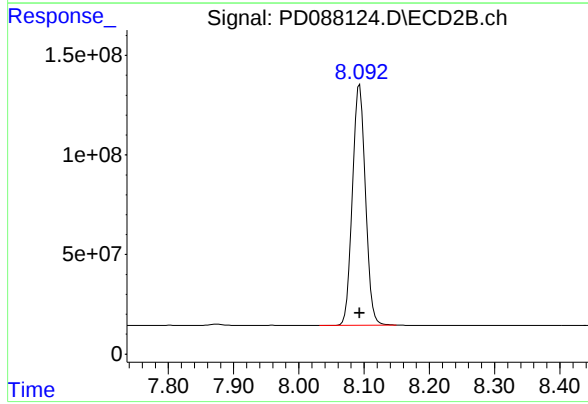
ICAL Form

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 308082392
Conc: 98.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations
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Supervised By :mohammad ahmed 04/22/2025



#28 Decachlorobiphenyl

R.T.: 8.093 min
Delta R.T.: 0.000 min
Response: 1676703182
Conc: 97.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:10
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 04:38:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	150.5E6	1026.4E6	76.770	74.309
28) SA Decachlor...	9.074	8.076	235.6E6	1282.4E6	75.279	74.910
Target Compounds						
2) A alpha-BHC	4.001	3.396	344.5E6	1637.3E6	75.524	74.417
3) MA gamma-BHC...	4.332	3.732	327.4E6	1517.0E6	75.589	74.548
4) MA Heptachlor	4.931	4.086	311.9E6	1501.6E6	75.687	74.430
5) MB Aldrin	5.273	4.372	305.2E6	1470.4E6	75.338	74.562
6) B beta-BHC	4.516	4.028	119.2E6	643.1E6	74.880	74.260
7) B delta-BHC	4.765	4.265	321.2E6	1514.3E6	75.391	74.502
8) B Heptachlo...	5.693	4.876	269.9E6	1318.2E6	75.407	74.392
9) A Endosulfan I	6.076	5.251	254.8E6	1255.1E6	75.455	74.495
10) B gamma-Chl...	5.948	5.130	277.4E6	1429.7E6	76.052	74.470
11) B alpha-Chl...	6.029	5.195	271.9E6	1376.2E6	75.106	74.493
12) B 4,4'-DDE	6.197	5.379	264.5E6	1393.5E6	78.883	74.883
13) MA Dieldrin	6.349	5.517	274.2E6	1403.5E6	75.327	74.488
14) MA Endrin	6.576	5.793	230.8E6	1275.1E6	76.125	74.523
15) B Endosulfa...	6.788	6.084	229.6E6	1217.8E6	75.122	74.374
16) A 4,4'-DDD	6.706	5.934	194.0E6	1155.3E6	75.311	74.663
17) MA 4,4'-DDT	7.022	6.188	215.1E6	1237.2E6	75.763	74.584
18) B Endrin al...	6.916	6.263	170.1E6	920.9E6	74.896	74.348
19) B Endosulfa...	7.151	6.486	213.5E6	1192.6E6	74.839	74.424
20) A Methoxychlor	7.494	6.759	110.0E6	635.1E6	75.092	74.226
21) B Endrin ke...	7.631	6.995	230.5E6	1294.9E6	74.768	74.201
22) Mirex	8.115	7.189	164.0E6	1014.9E6	73.732	74.208

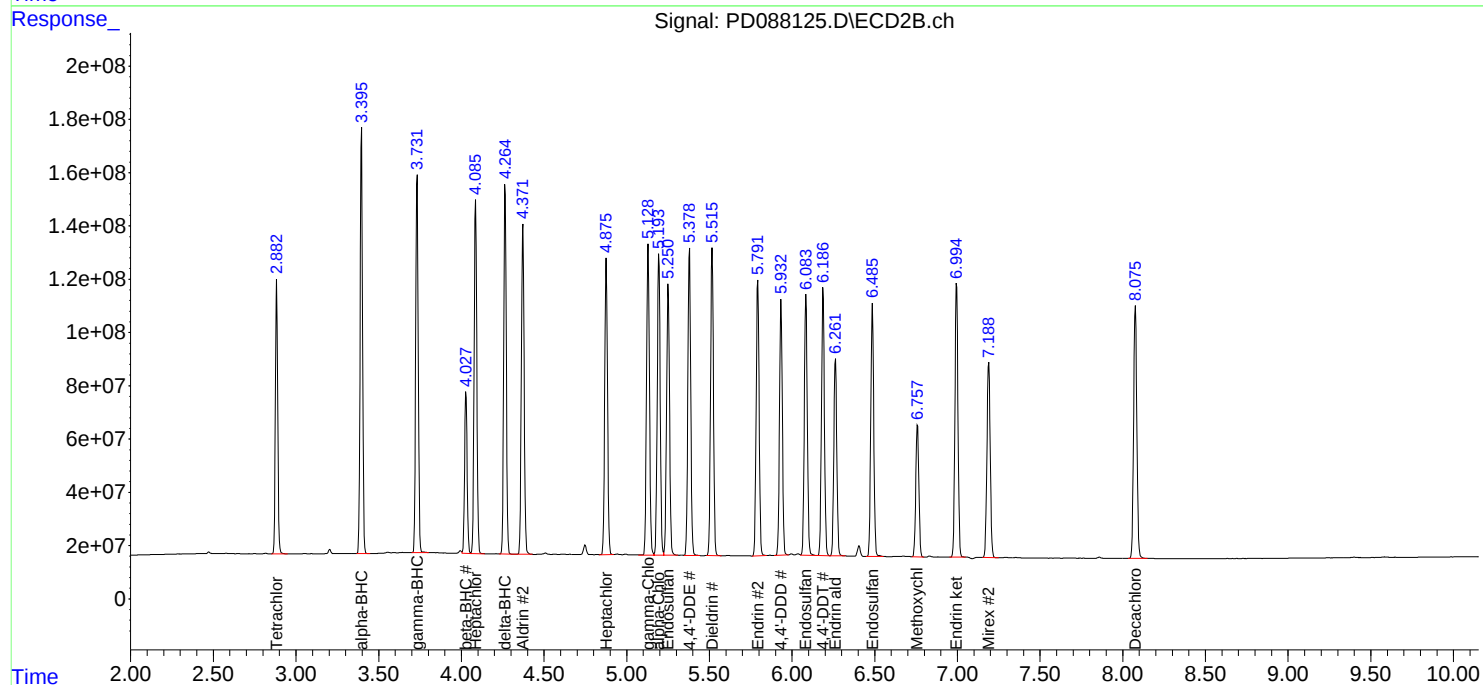
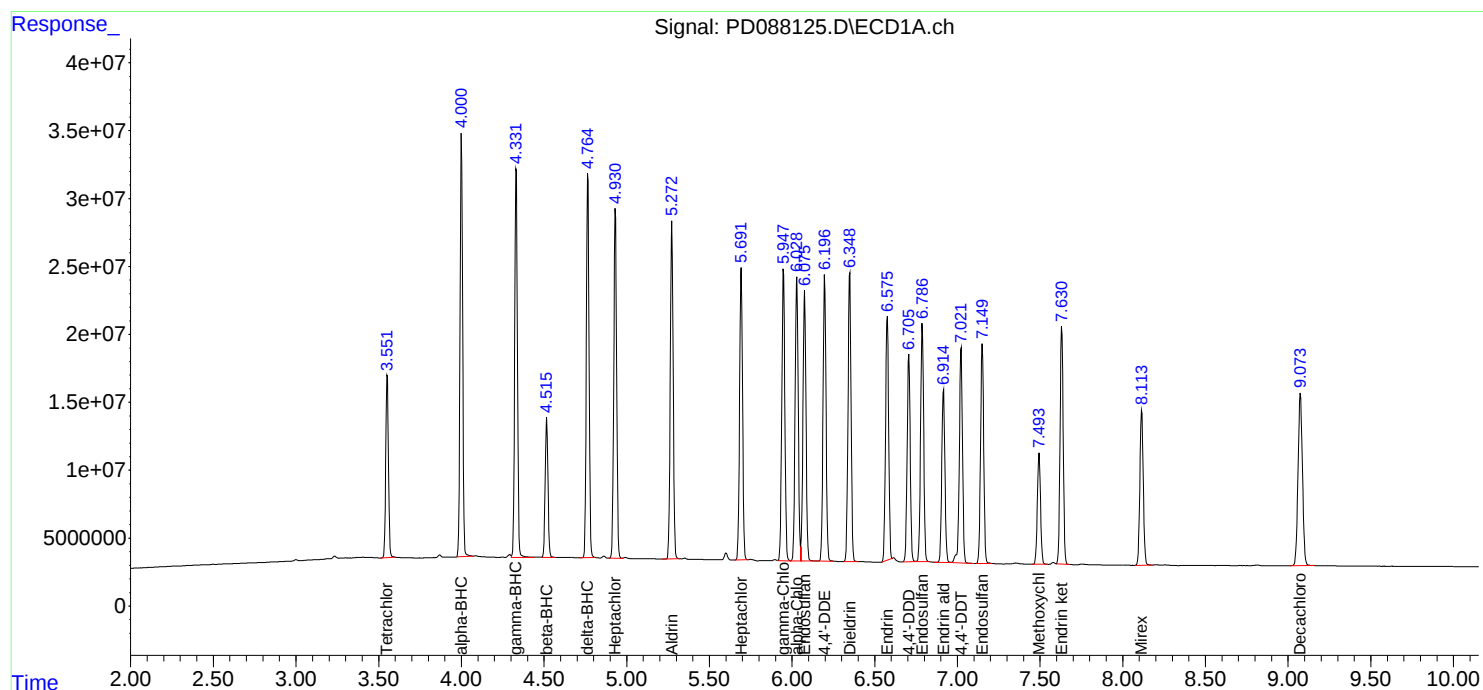
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

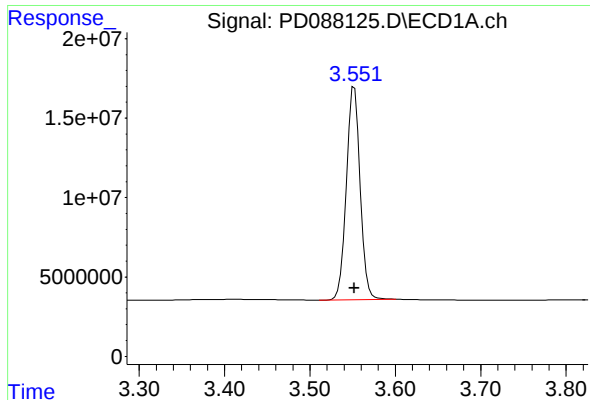
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:38:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

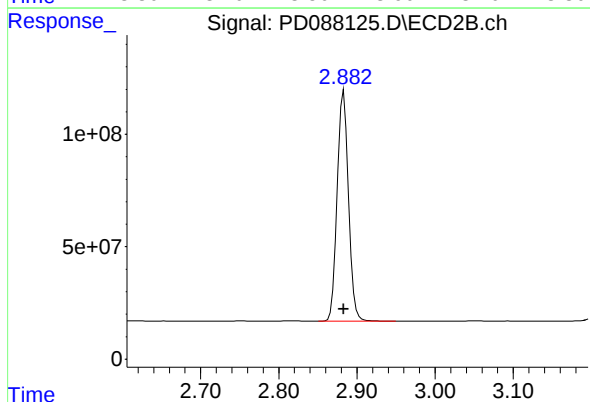




#1 Tetrachloro-m-xylene

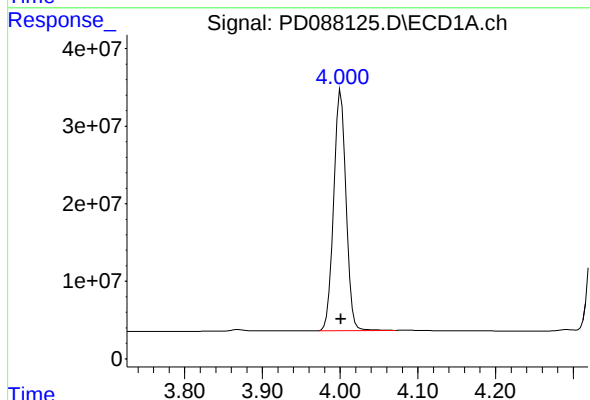
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 150509152
Conc: 76.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



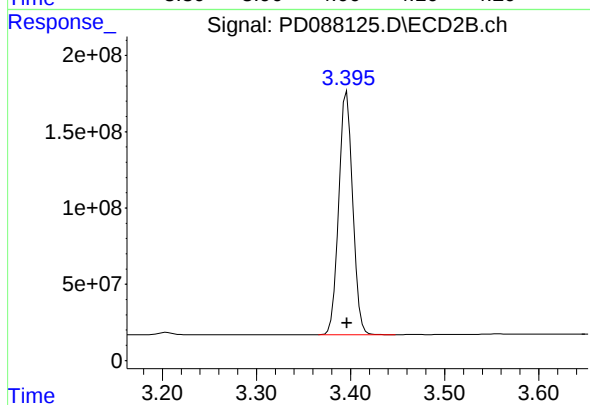
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 1026433726
Conc: 74.31 ng/ml



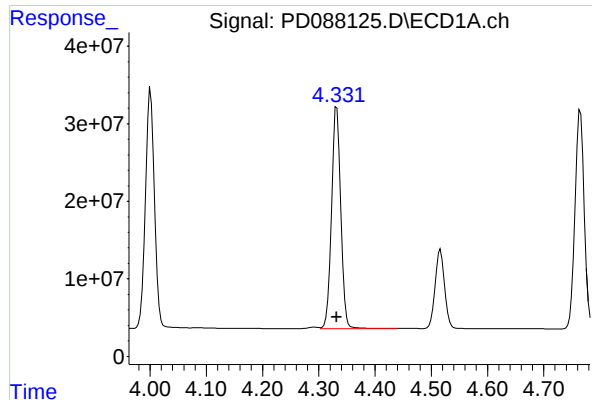
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 344532215
Conc: 75.52 ng/ml



#2 alpha-BHC

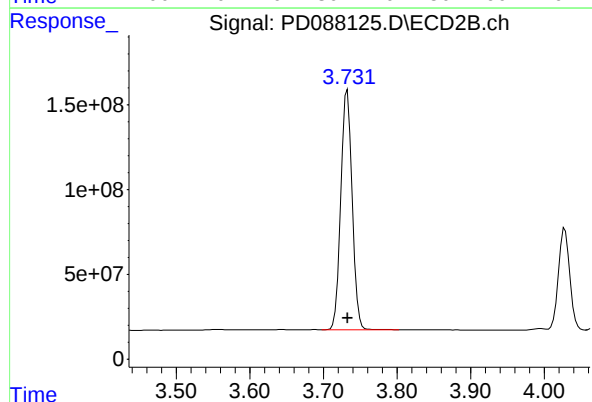
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1637308006
Conc: 74.42 ng/ml



#3 gamma-BHC (Lindane)

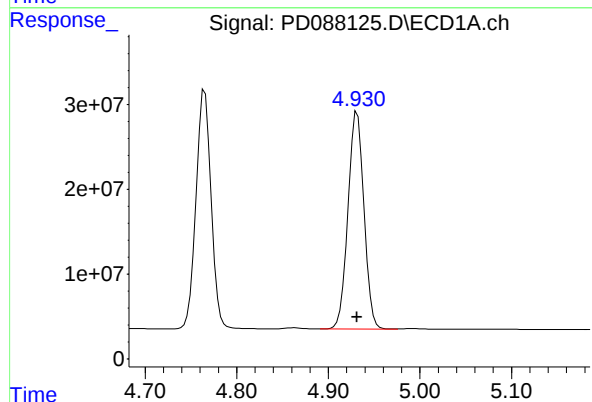
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 327384936
Conc: 75.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



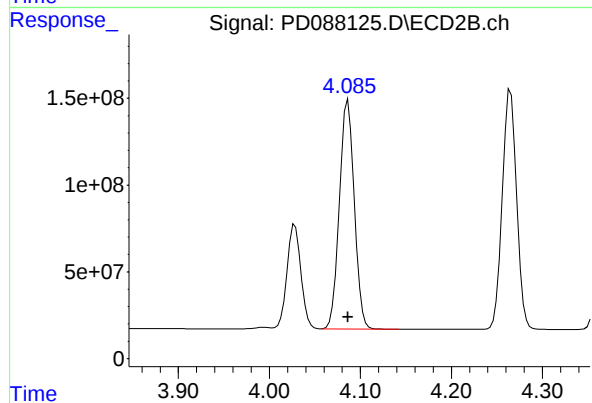
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 1517020838
Conc: 74.55 ng/ml



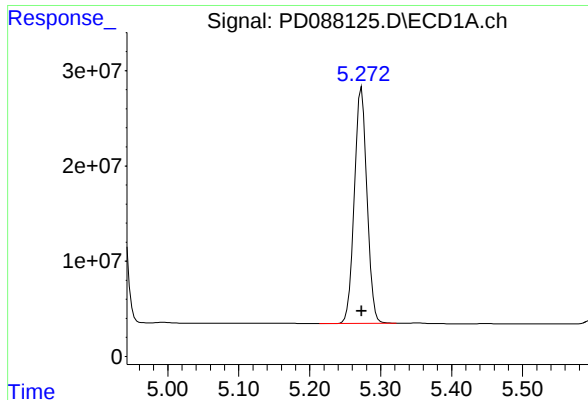
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 311933328
Conc: 75.69 ng/ml



#4 Heptachlor

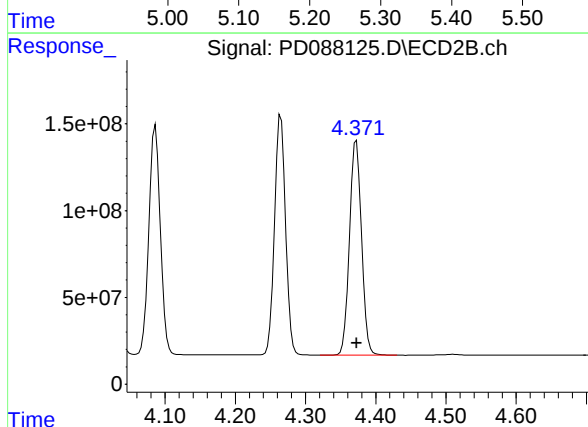
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 1501610883
Conc: 74.43 ng/ml



#5 Aldrin

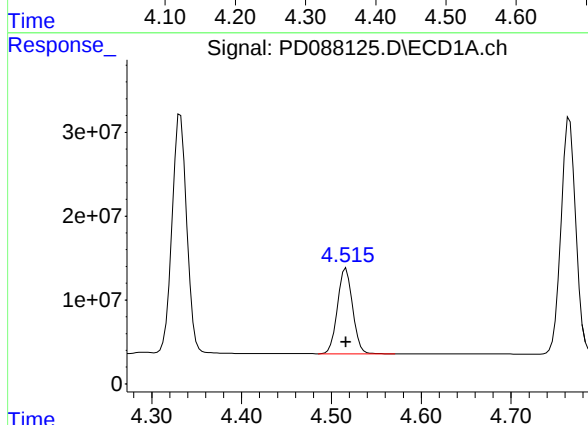
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 305240268
Conc: 75.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



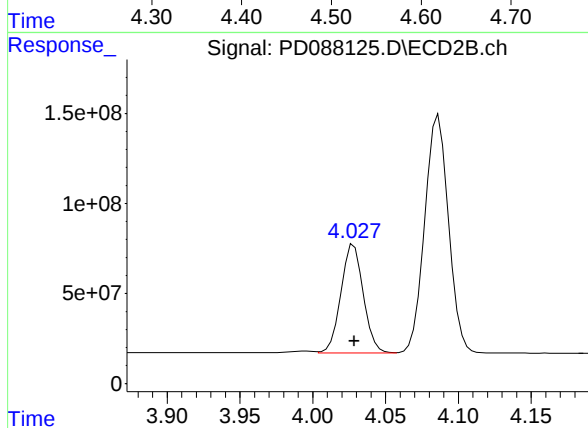
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 1470351433
Conc: 74.56 ng/ml



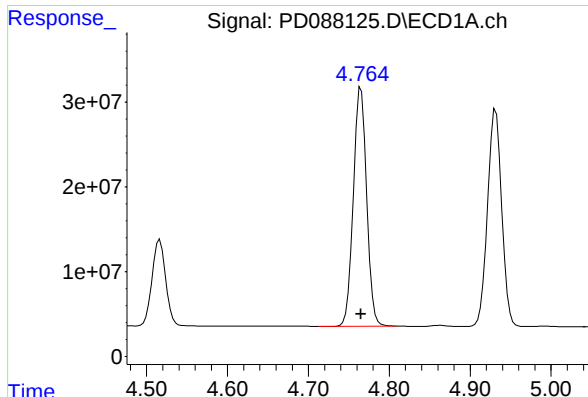
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 119190169
Conc: 74.88 ng/ml



#6 beta-BHC

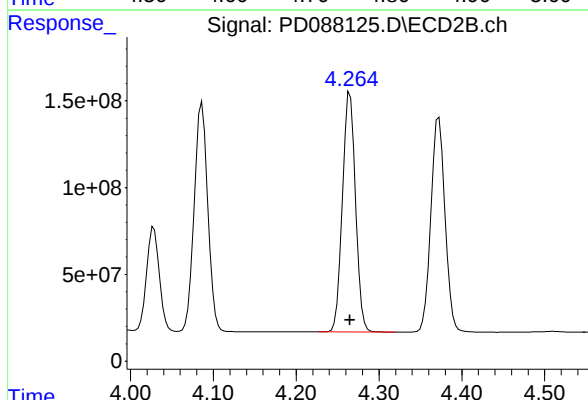
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 643146826
Conc: 74.26 ng/ml



#7 delta-BHC

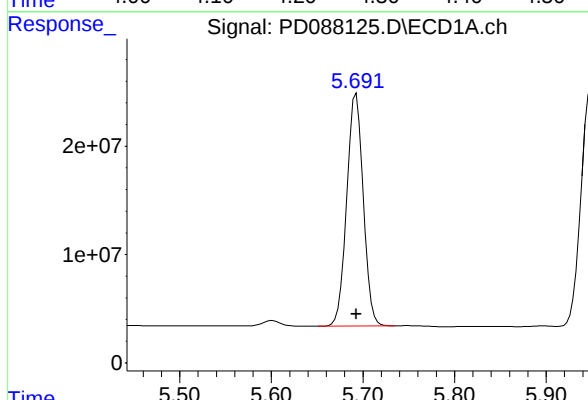
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 321202264
Conc: 75.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



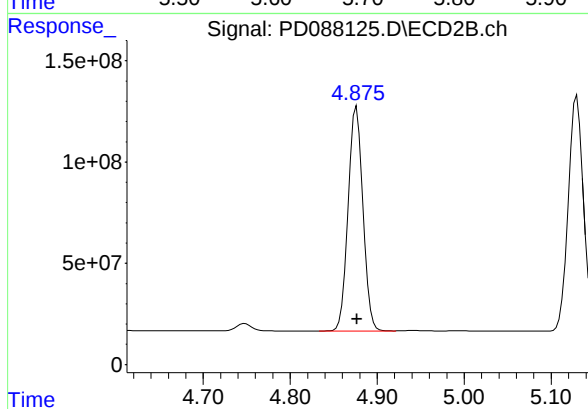
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1514324767
Conc: 74.50 ng/ml



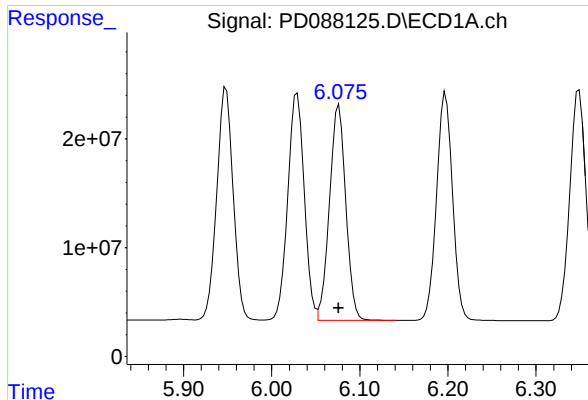
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 269854540
Conc: 75.41 ng/ml



#8 Heptachlor epoxide

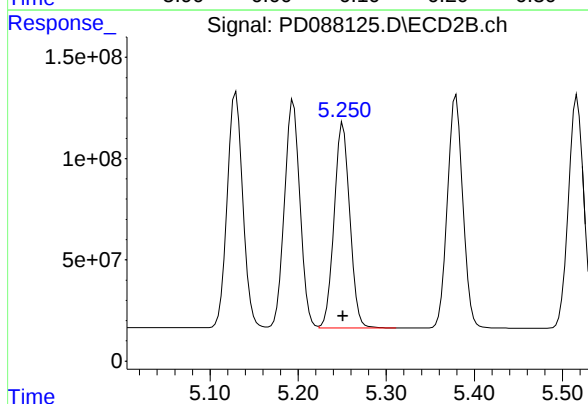
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 1318206957
Conc: 74.39 ng/ml



#9 Endosulfan I

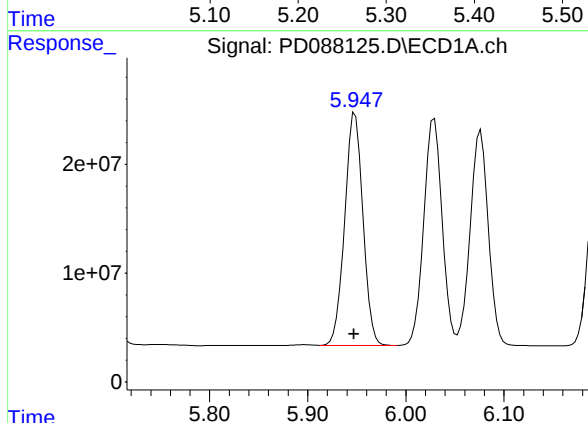
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 254825083
Conc: 75.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



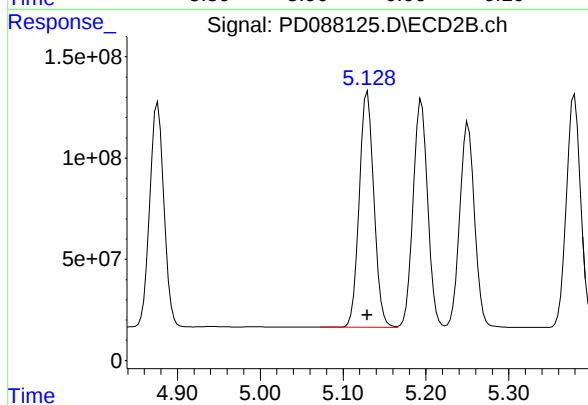
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 1255053658
Conc: 74.49 ng/ml



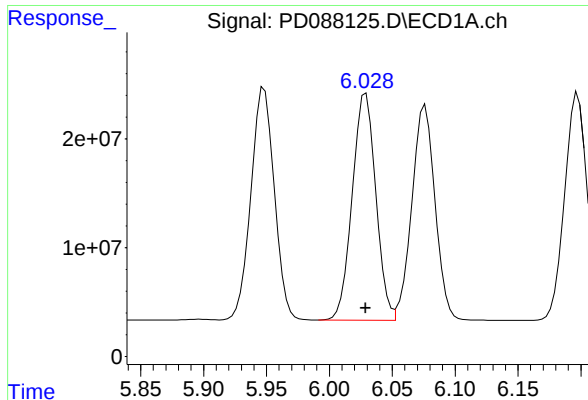
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.001 min
Response: 277355830
Conc: 76.05 ng/ml



#10 gamma-Chlordane

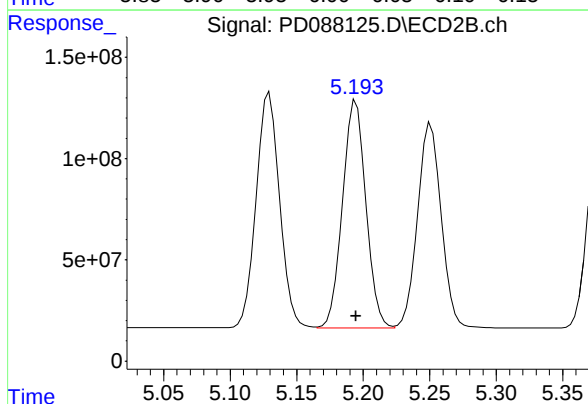
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 1429713037
Conc: 74.47 ng/ml



#11 alpha-Chlordane

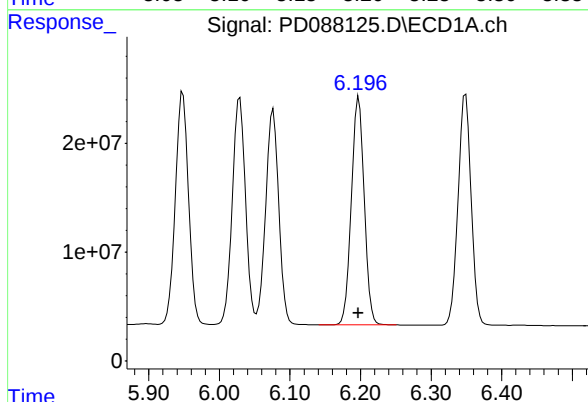
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 271880168
Conc: 75.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



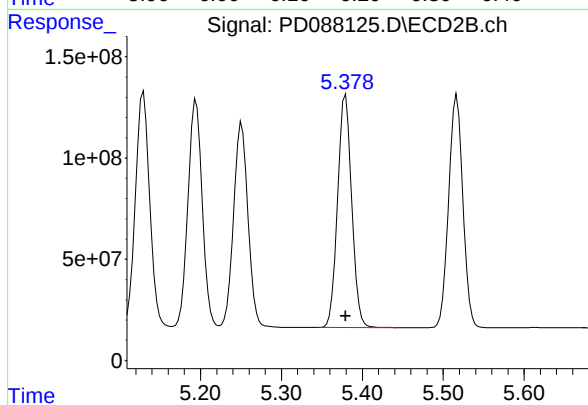
#11 alpha-Chlordane

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 1376170536
Conc: 74.49 ng/ml



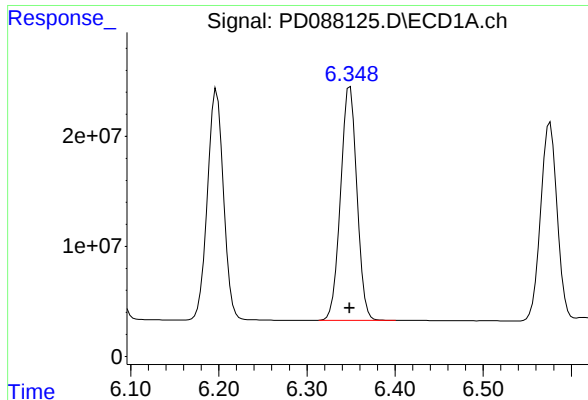
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 264537794
Conc: 78.88 ng/ml



#12 4,4'-DDE

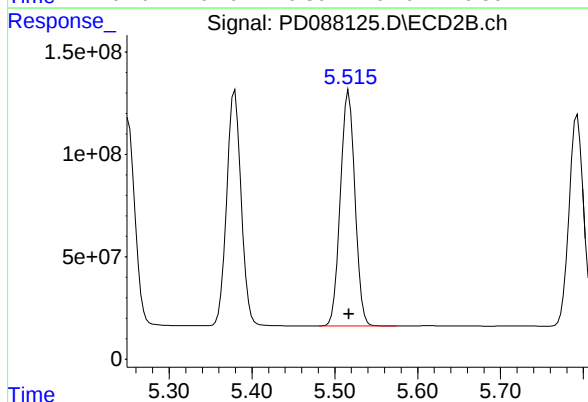
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 1393498963
Conc: 74.88 ng/ml



#13 Dieldrin

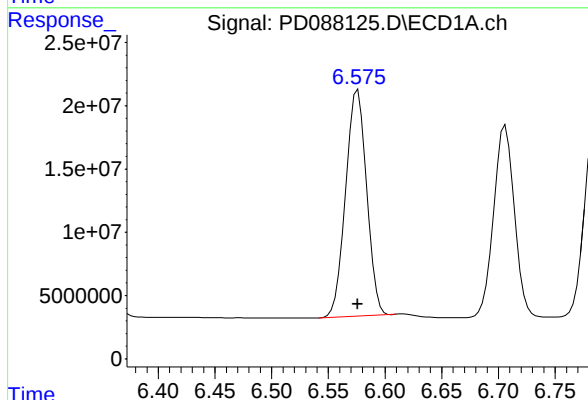
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 274209115
Conc: 75.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



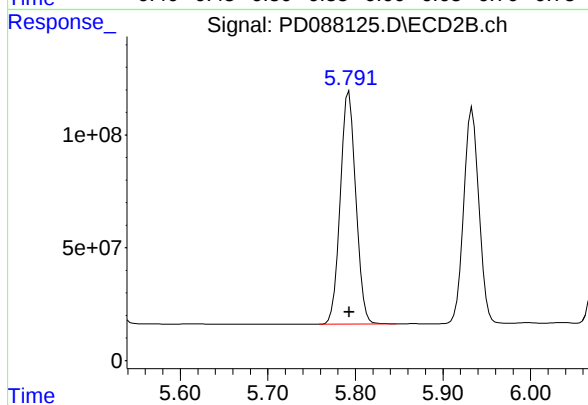
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 1403480582
Conc: 74.49 ng/ml



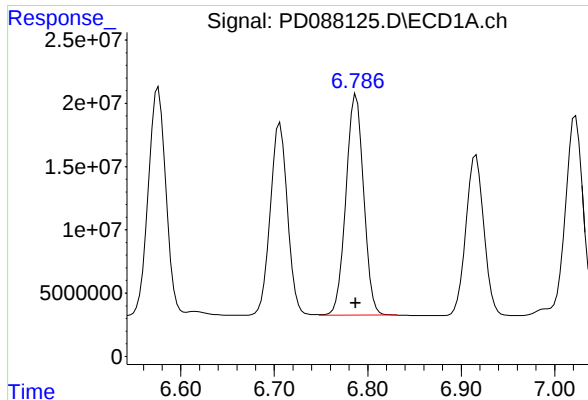
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 230797276
Conc: 76.13 ng/ml



#14 Endrin

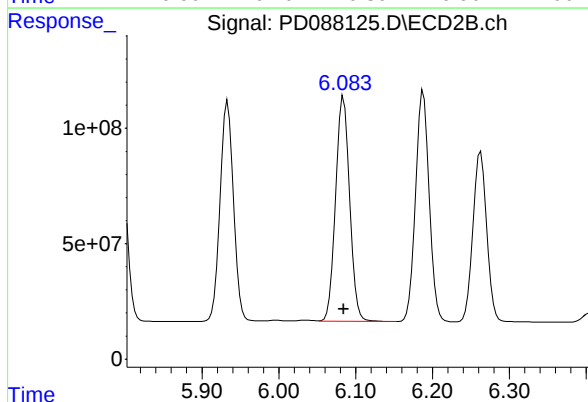
R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 1275108964
Conc: 74.52 ng/ml



#15 Endosulfan II

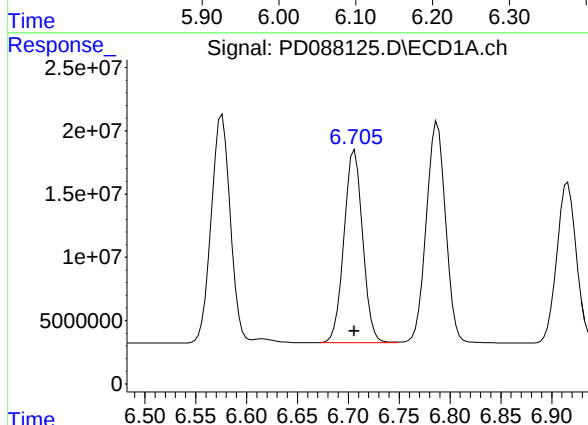
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 229559152
Conc: 75.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



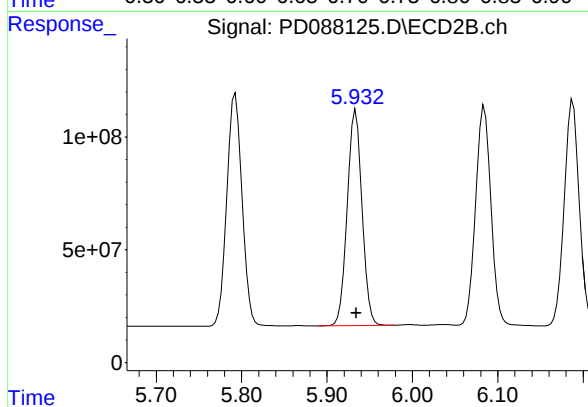
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 121777379
Conc: 74.37 ng/ml



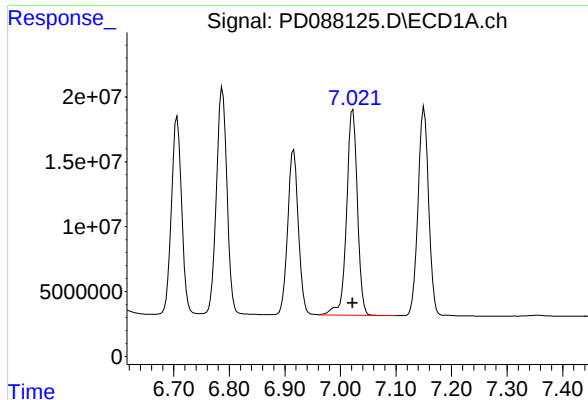
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 194024982
Conc: 75.31 ng/ml



#16 4,4'-DDD

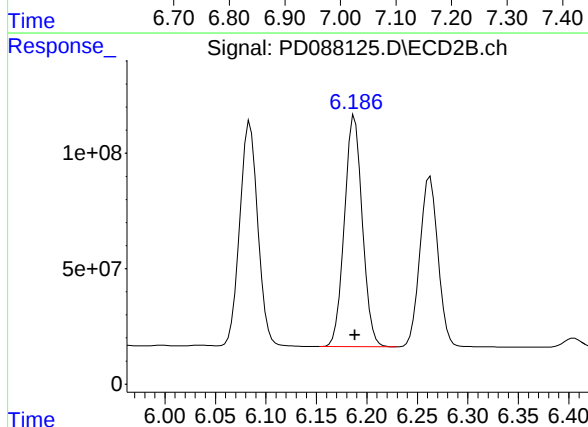
R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 1155293133
Conc: 74.66 ng/ml



#17 4,4'-DDT

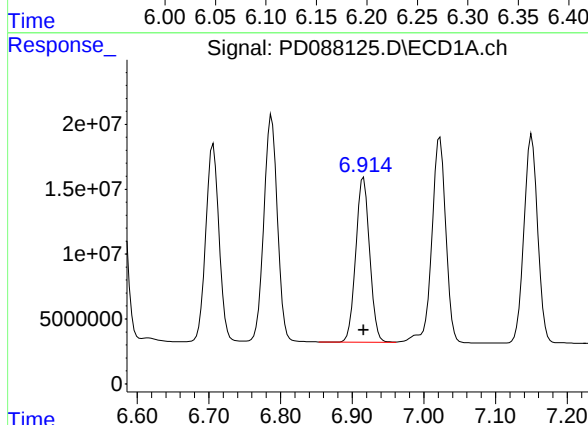
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 215110567
Conc: 75.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



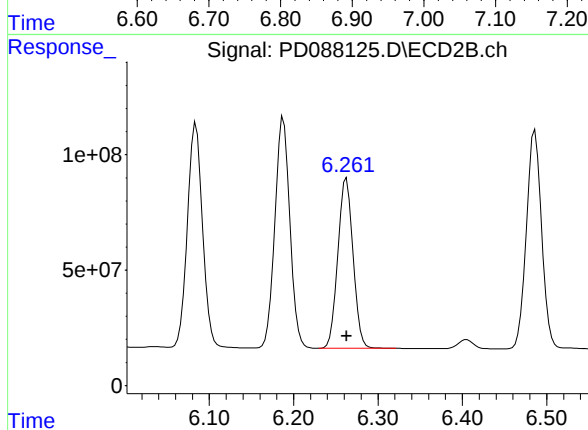
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 1237239530
Conc: 74.58 ng/ml



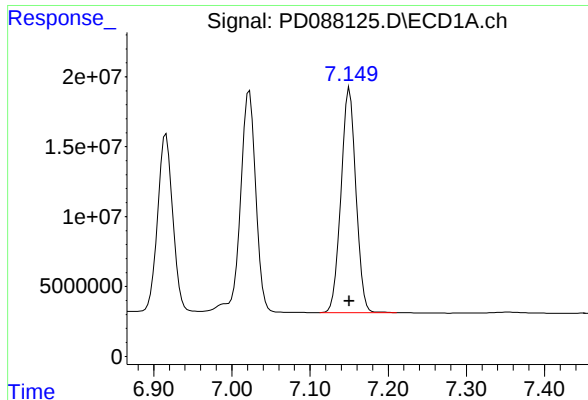
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 170085055
Conc: 74.90 ng/ml



#18 Endrin aldehyde

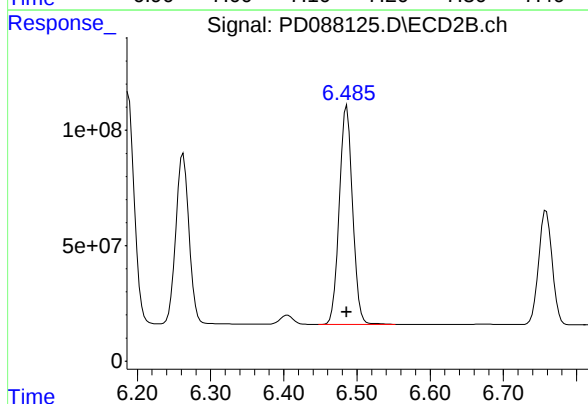
R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 920863271
Conc: 74.35 ng/ml



#19 Endosulfan Sulfate

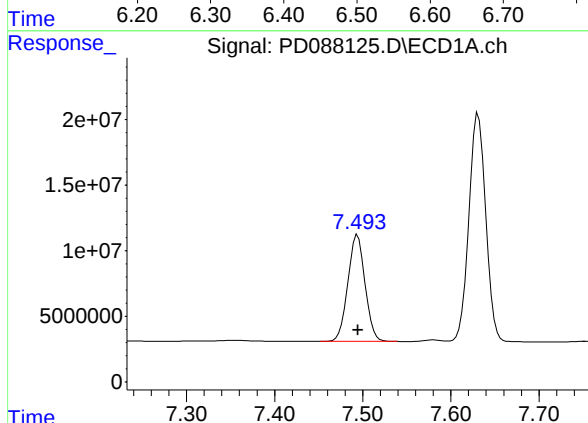
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 213461518
Conc: 74.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



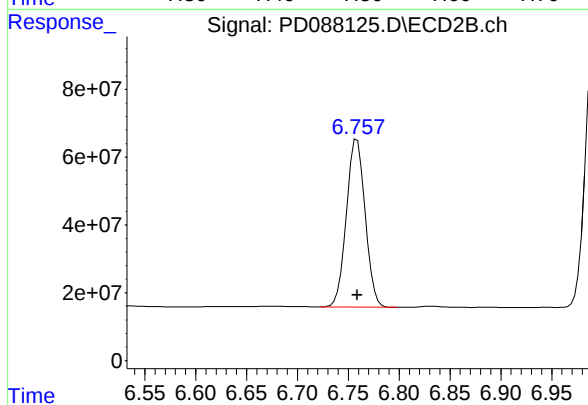
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 1192574842
Conc: 74.42 ng/ml



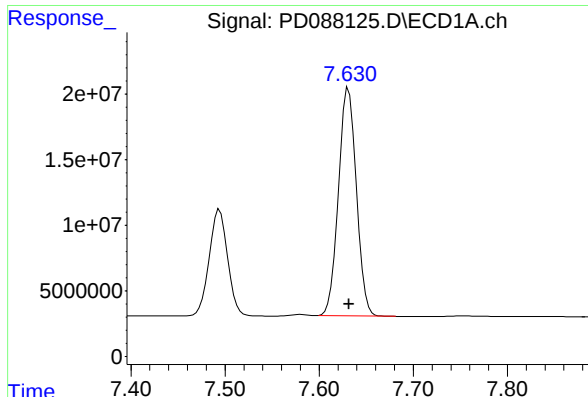
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 109977344
Conc: 75.09 ng/ml



#20 Methoxychlor

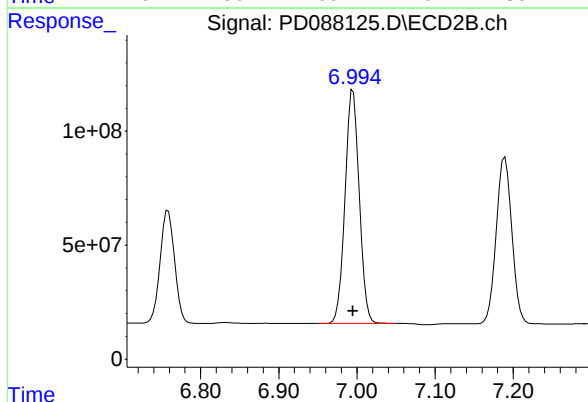
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 635063092
Conc: 74.23 ng/ml



#21 Endrin ketone

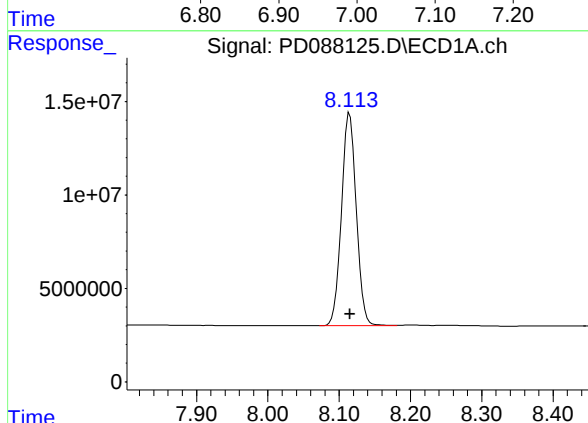
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 230514000
Conc: 74.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



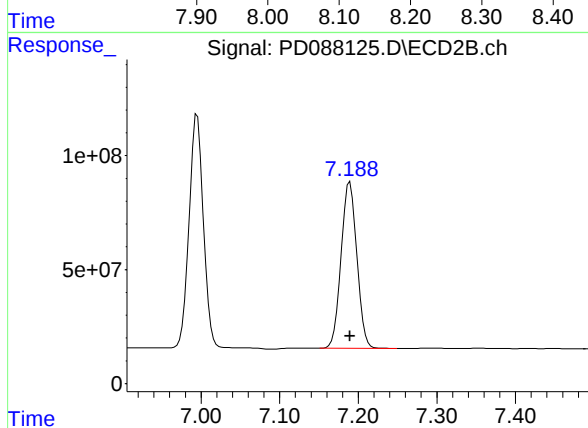
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 1294867615
Conc: 74.20 ng/ml



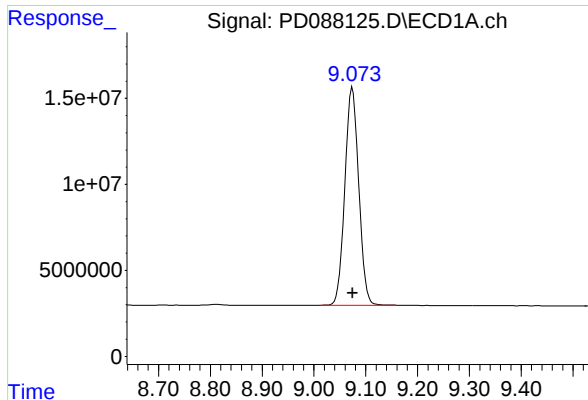
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 163995337
Conc: 73.73 ng/ml



#22 Mirex

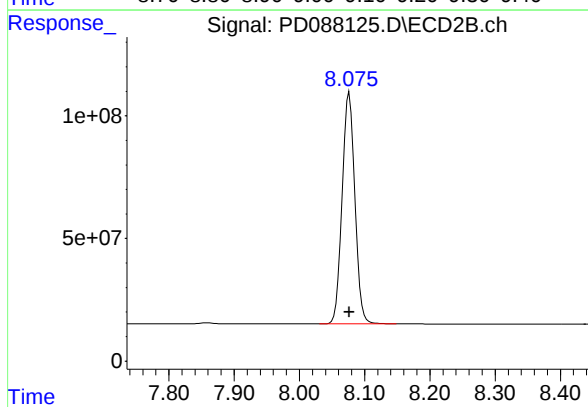
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 1014897826
Conc: 74.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 235584826
Conc: 75.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 1282367351
Conc: 74.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:24
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:52:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	96933779	700.5E6	50.000	50.000
28) SA Decachlor...	9.075	8.077	158.9E6	873.5E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	4.001	3.396	217.0E6	1104.5E6	50.000	50.000
3) MA gamma-BHC...	4.332	3.733	207.8E6	1027.9E6	50.000	50.000
4) MA Heptachlor	4.931	4.086	198.9E6	1026.1E6	50.000	50.000
5) MB Aldrin	5.273	4.373	195.6E6	1000.0E6	50.000	50.000
6) B beta-BHC	4.516	4.028	78949582	442.4E6	50.000	50.000
7) B delta-BHC	4.765	4.265	203.8E6	1023.7E6	50.000	50.000
8) B Heptachlo...	5.692	4.877	174.3E6	904.0E6	50.000	50.000
9) A Endosulfan I	6.076	5.251	165.2E6	862.3E6	50.000	50.000
10) B gamma-Chl...	5.947	5.130	176.8E6	971.9E6	50.000	50.000
11) B alpha-Chl...	6.029	5.194	176.5E6	937.8E6	50.000	50.000
12) B 4,4'-DDE	6.197	5.380	162.0E6	943.6E6	50.000	50.000
13) MA Dieldrin	6.349	5.517	176.5E6	957.3E6	50.000	50.000
14) MA Endrin	6.576	5.793	146.8E6	873.2E6	50.000	50.000
15) B Endosulfa...	6.787	6.084	150.4E6	836.9E6	50.000	50.000
16) A 4,4'-DDD	6.706	5.934	124.8E6	789.6E6	50.000	50.000
17) MA 4,4'-DDT	7.022	6.188	137.8E6	837.3E6	50.000	50.000
18) B Endrin al...	6.916	6.263	112.3E6	635.4E6	50.000	50.000
19) B Endosulfa...	7.150	6.486	140.4E6	821.0E6	50.000	50.000
20) A Methoxychlor	7.495	6.759	73392410	442.0E6	50.000	50.000
21) B Endrin ke...	7.631	6.995	151.9E6	895.3E6	50.000	50.000
22) Mirex	8.115	7.190	112.5E6	701.1E6	50.000	50.000

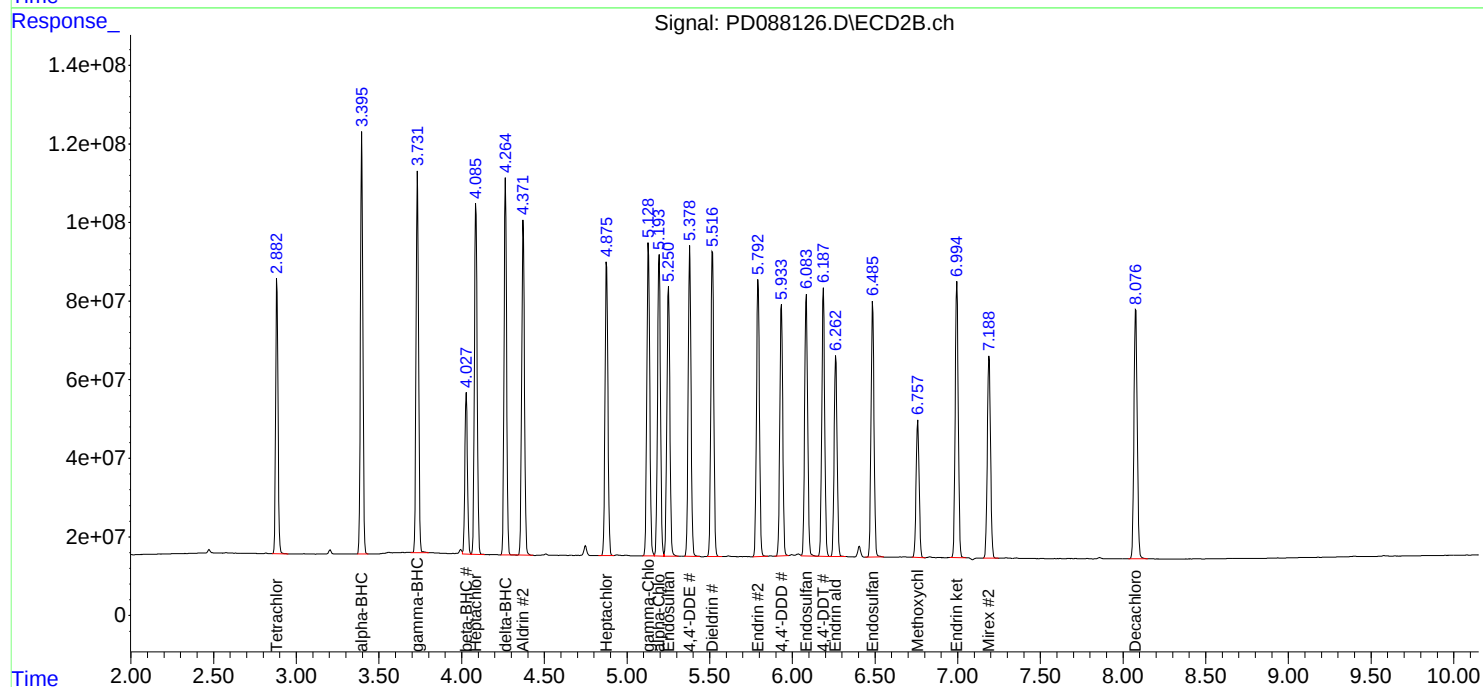
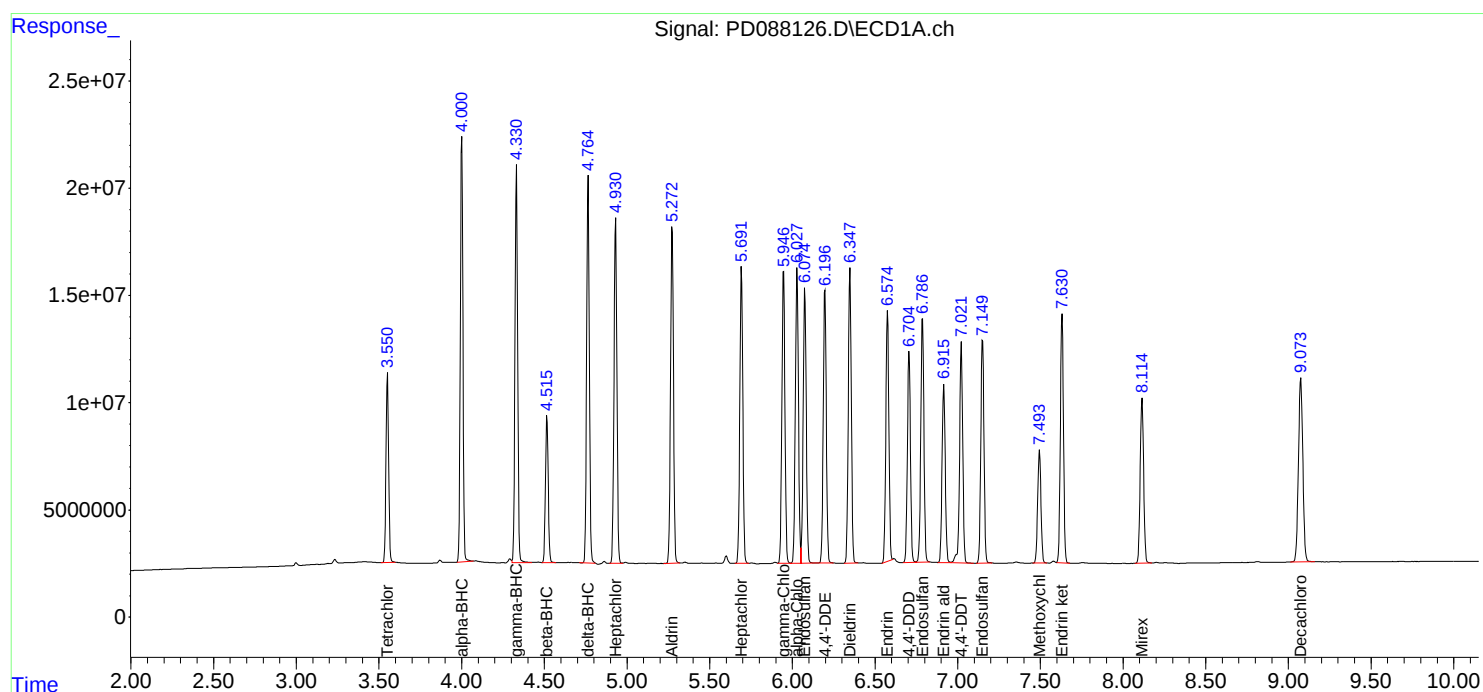
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

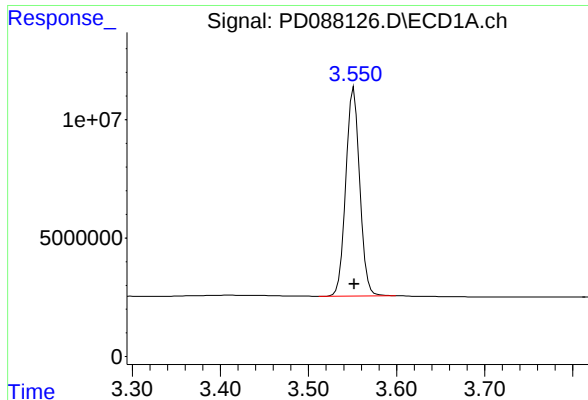
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:52:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

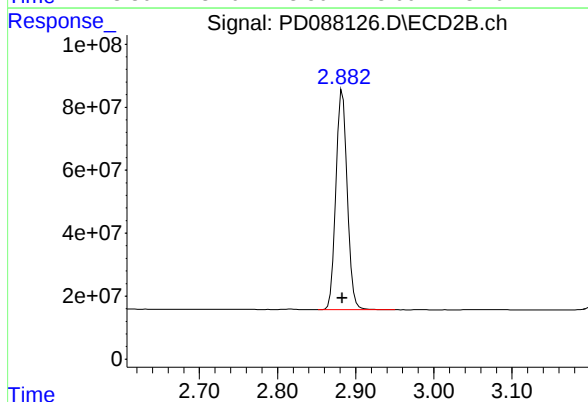




#1 Tetrachloro-m-xylene

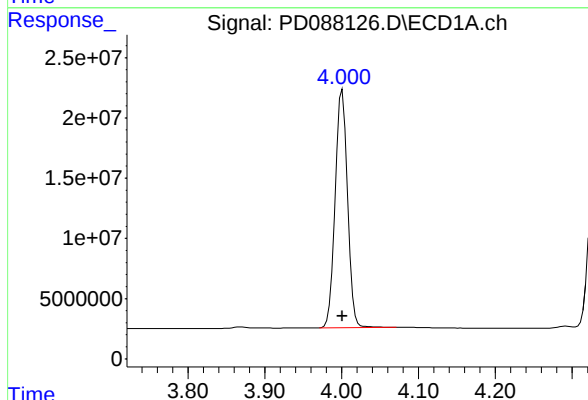
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 96933779
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



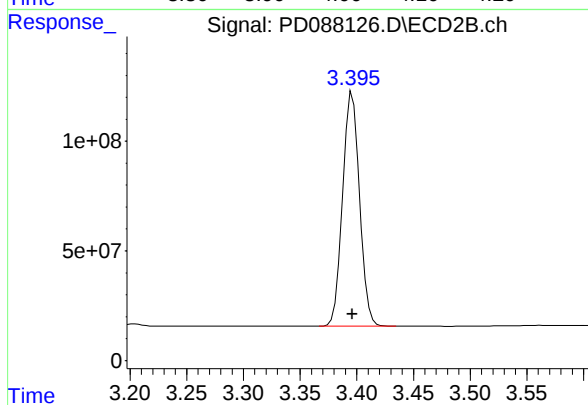
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 700540857
Conc: 50.00 ng/ml



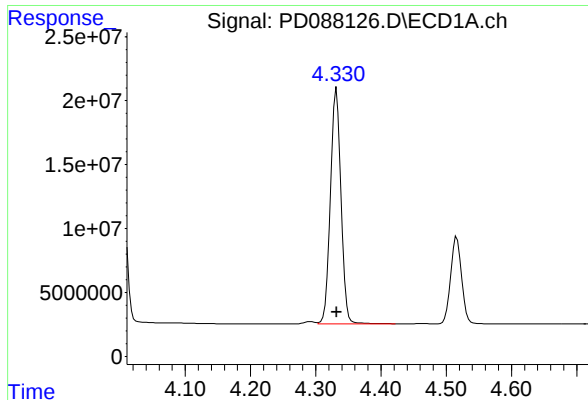
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 217039859
Conc: 50.00 ng/ml



#2 alpha-BHC

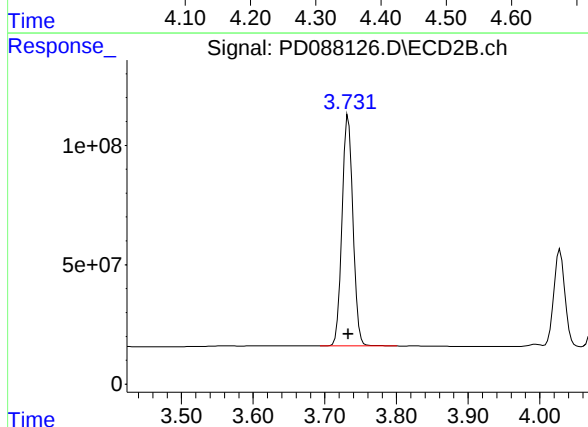
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1104520093
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

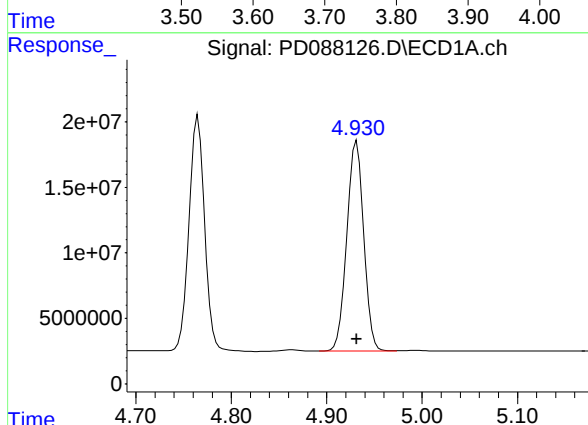
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 207751325
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



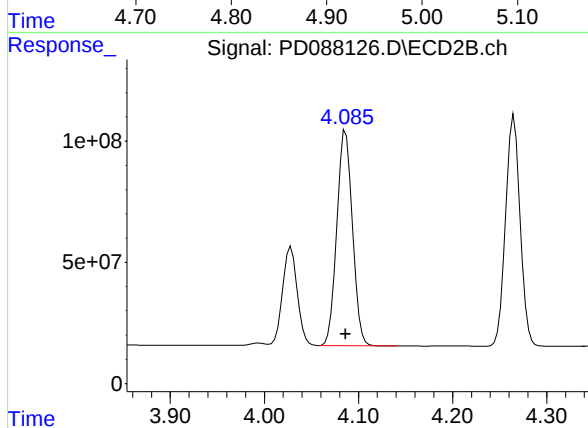
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.000 min
Response: 1027903966
Conc: 50.00 ng/ml



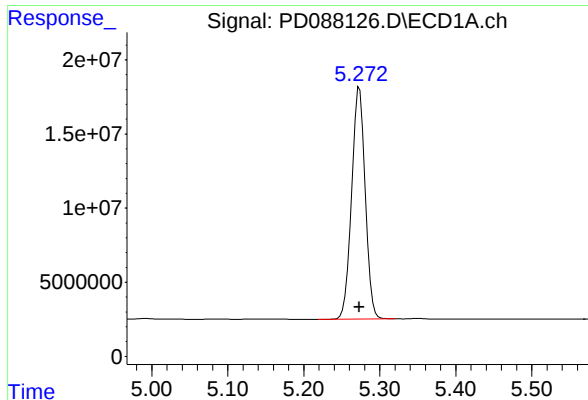
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 198909748
Conc: 50.00 ng/ml



#4 Heptachlor

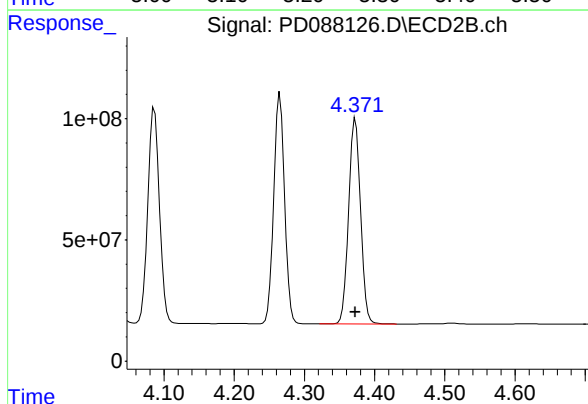
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 1026135533
Conc: 50.00 ng/ml



#5 Aldrin

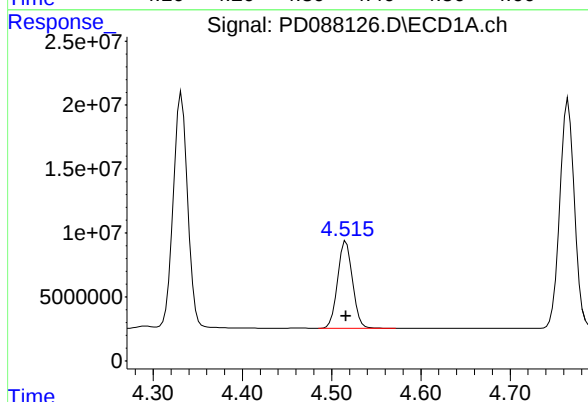
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 195589589
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



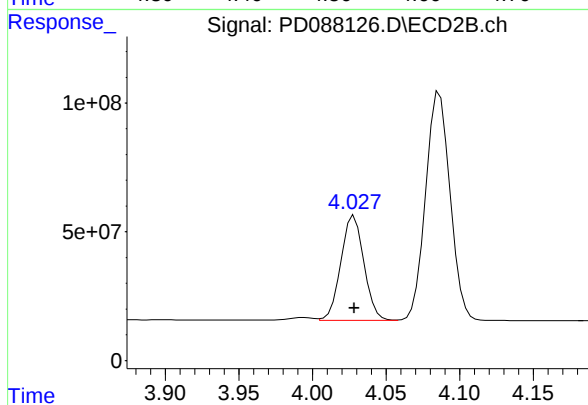
#5 Aldrin

R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 1000002304
Conc: 50.00 ng/ml



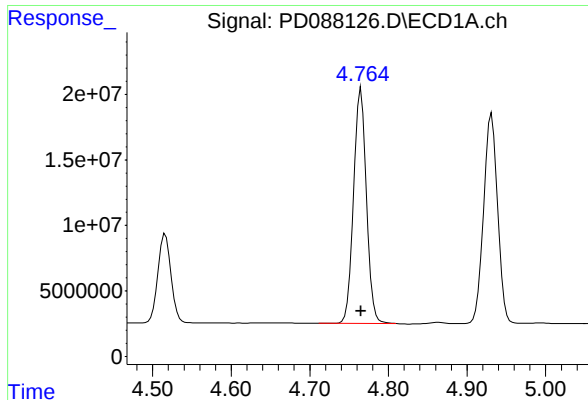
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 78949582
Conc: 50.00 ng/ml



#6 beta-BHC

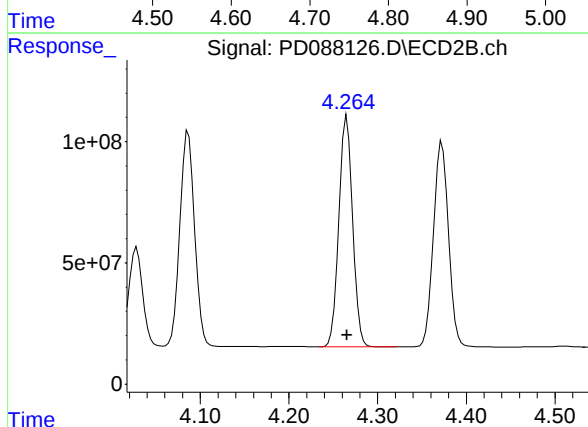
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 442374025
Conc: 50.00 ng/ml



#7 delta-BHC

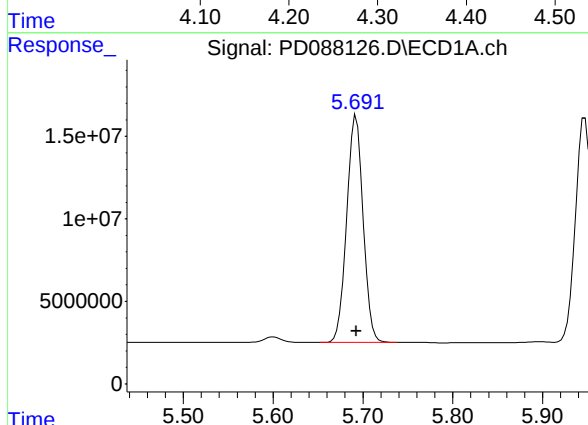
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 203787804
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



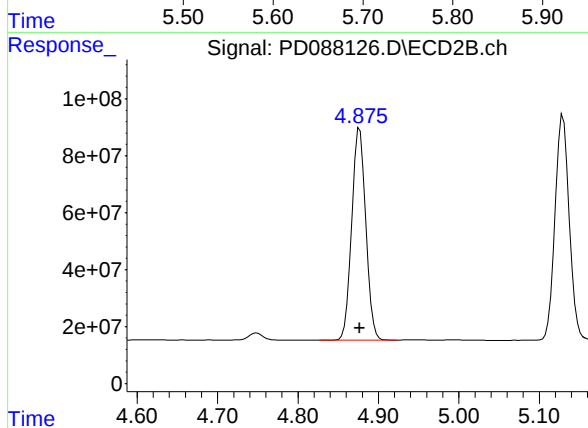
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1023672335
Conc: 50.00 ng/ml



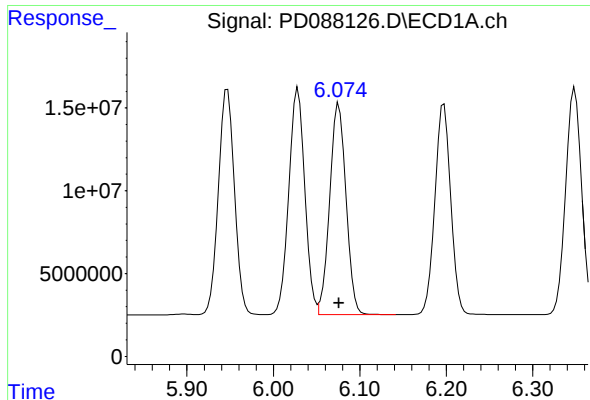
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 174316272
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

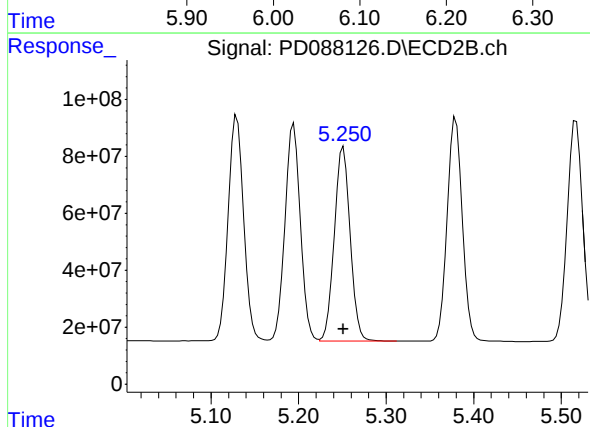
R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 903984042
Conc: 50.00 ng/ml



#9 Endosulfan I

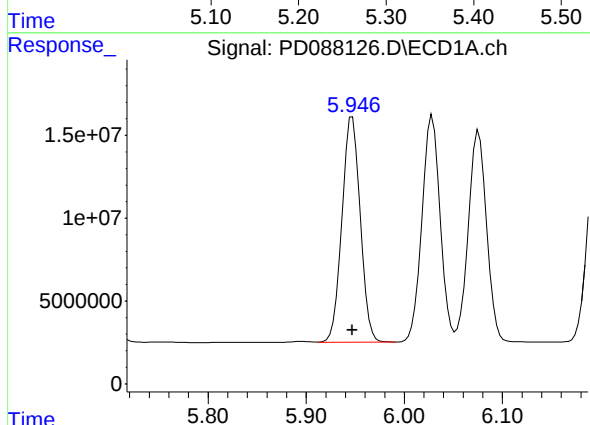
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 165202172
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



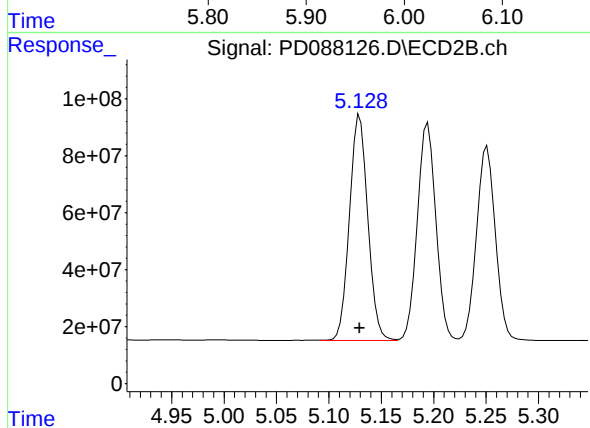
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 862333672
Conc: 50.00 ng/ml



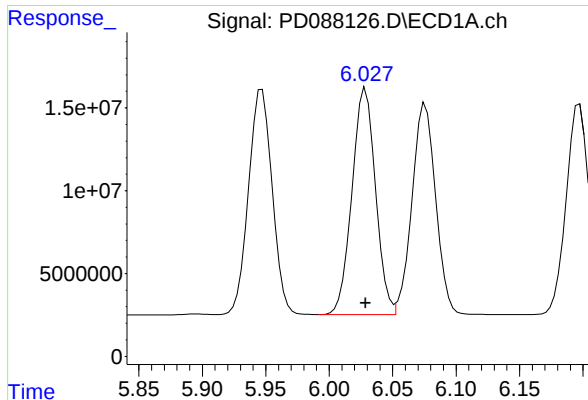
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 176813599
Conc: 50.00 ng/ml



#10 gamma-Chlordane

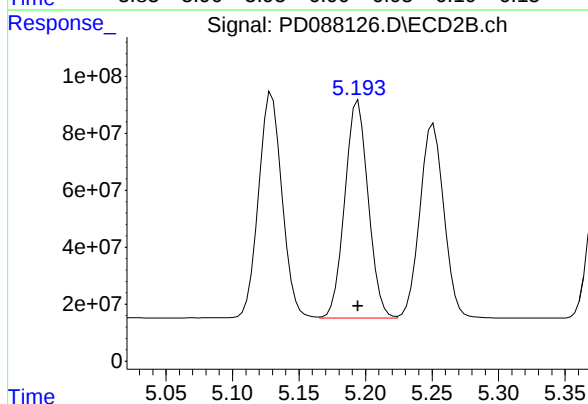
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 971860979
Conc: 50.00 ng/ml



#11 alpha-Chlordane

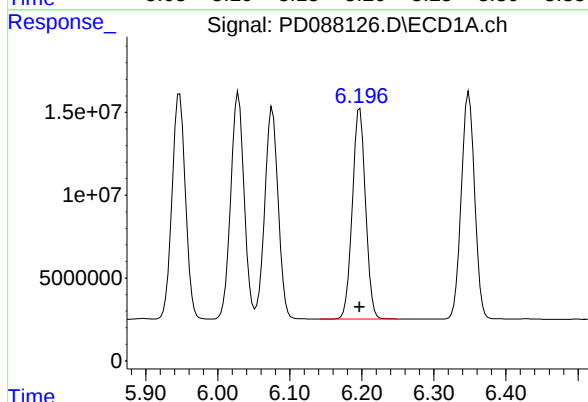
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 176476022
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



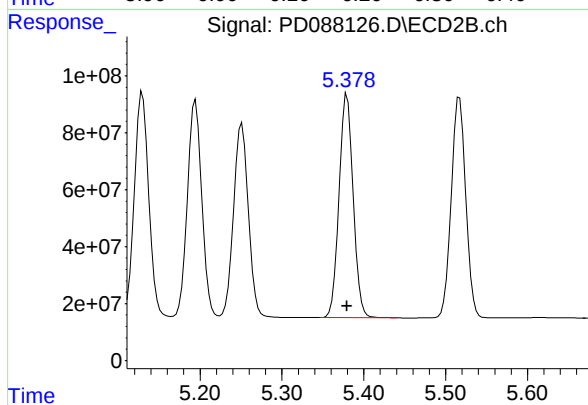
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 937759475
Conc: 50.00 ng/ml



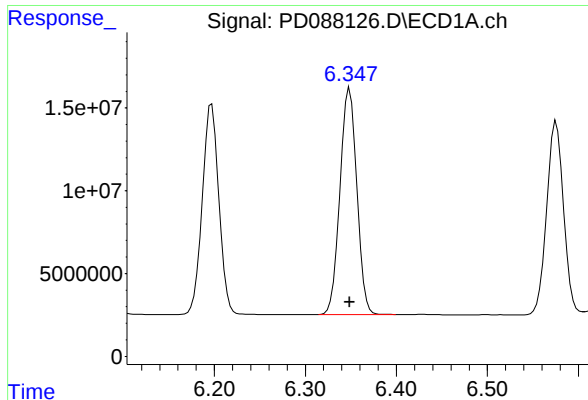
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 162007280
Conc: 50.00 ng/ml



#12 4,4'-DDE

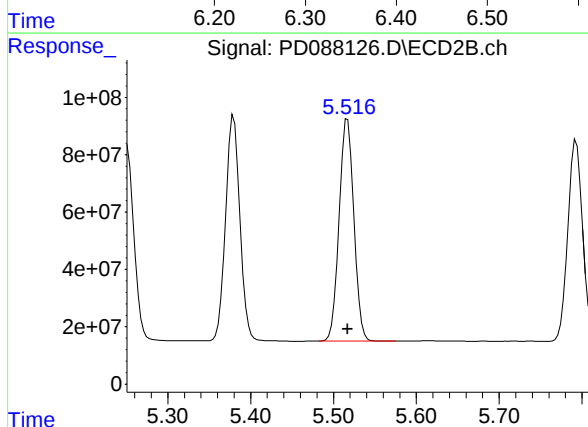
R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 943628222
Conc: 50.00 ng/ml



#13 Dieldrin

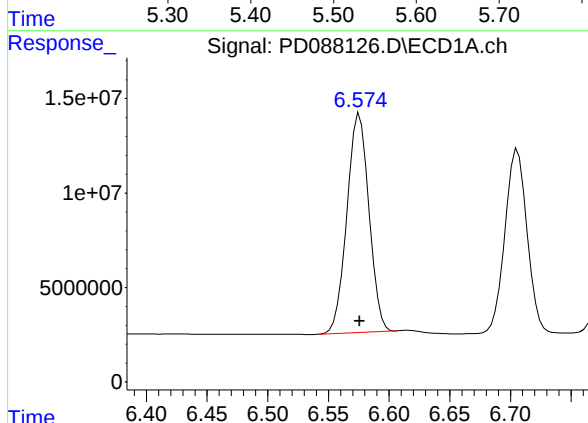
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 176519294
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



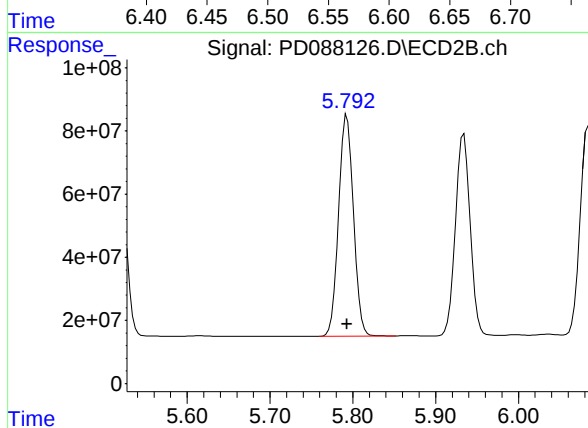
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 957317811
Conc: 50.00 ng/ml



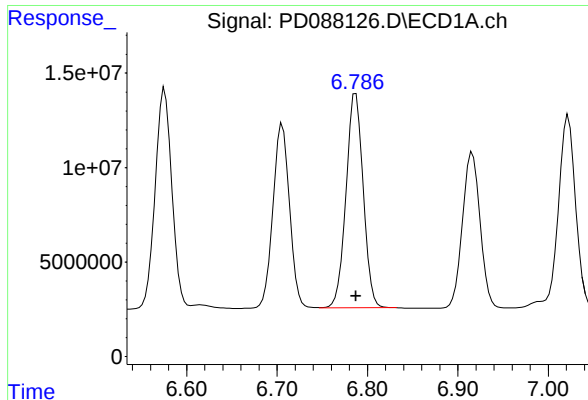
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 146772387
Conc: 50.00 ng/ml



#14 Endrin

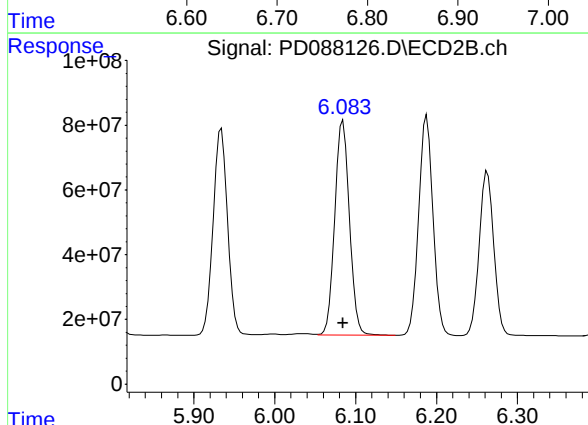
R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 873226205
Conc: 50.00 ng/ml



#15 Endosulfan II

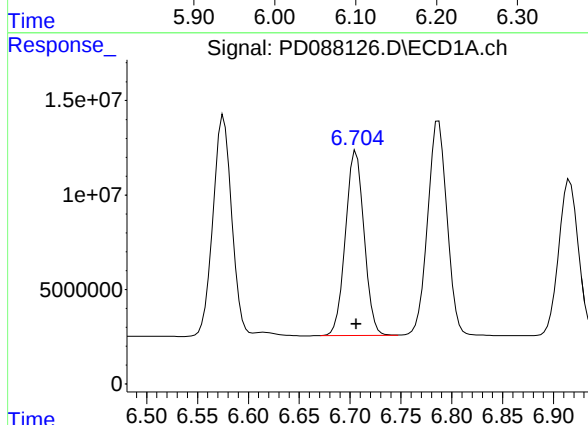
R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 150375802
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



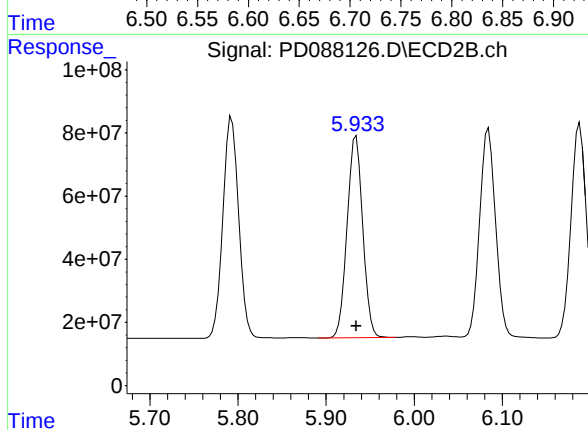
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 836889616
Conc: 50.00 ng/ml



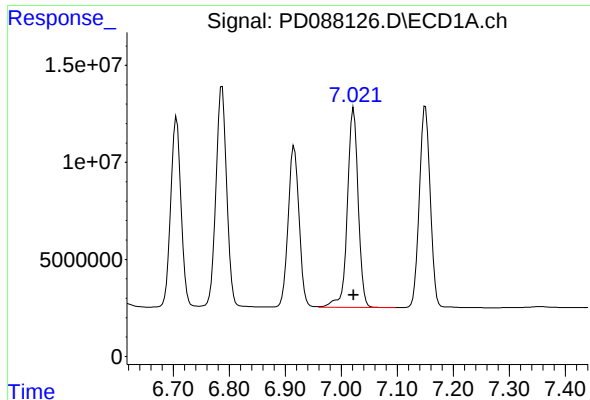
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 124750340
Conc: 50.00 ng/ml



#16 4,4'-DDD

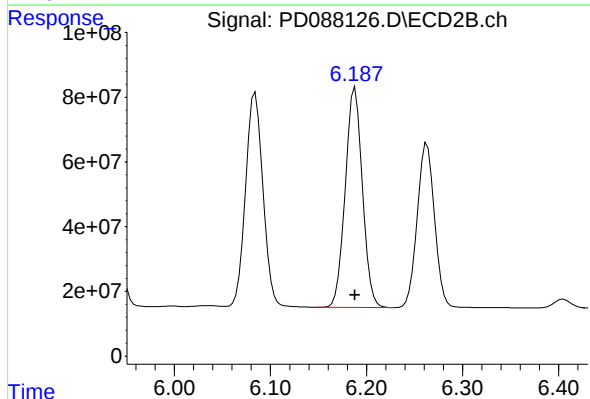
R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 789609825
Conc: 50.00 ng/ml



#17 4,4'-DDT

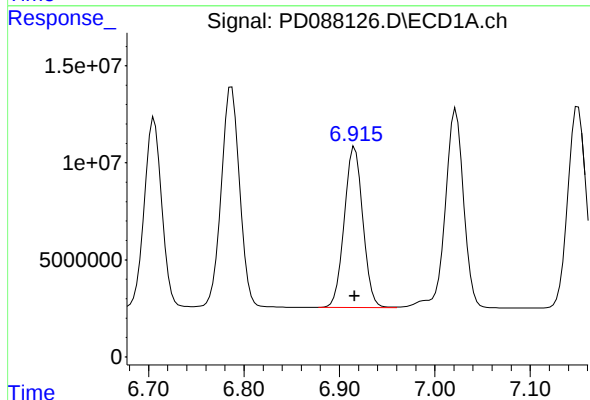
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 137750548
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



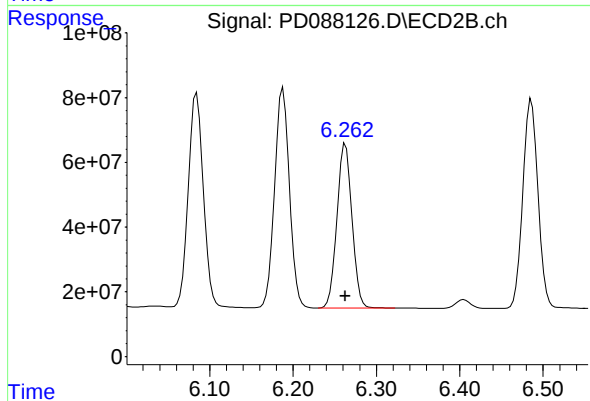
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 837283239
Conc: 50.00 ng/ml



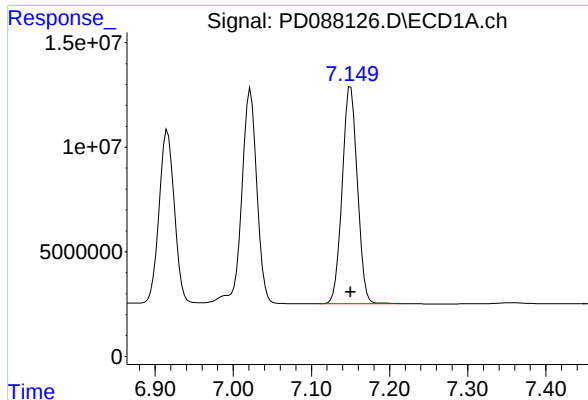
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 112343483
Conc: 50.00 ng/ml



#18 Endrin aldehyde

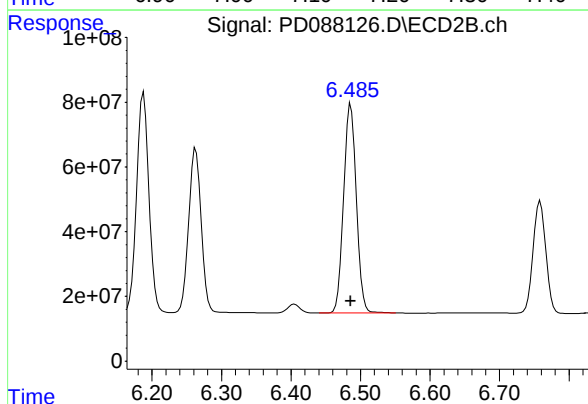
R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 635359680
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

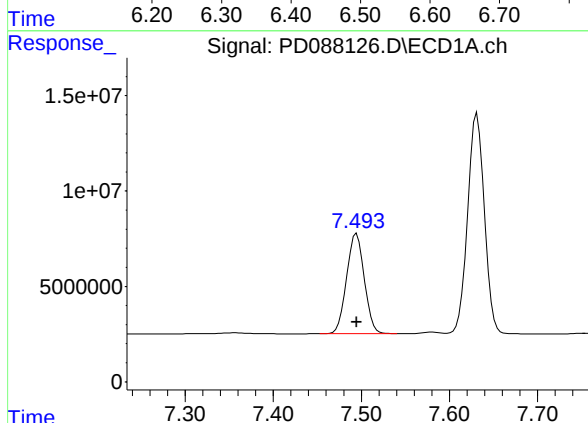
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 140378569
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



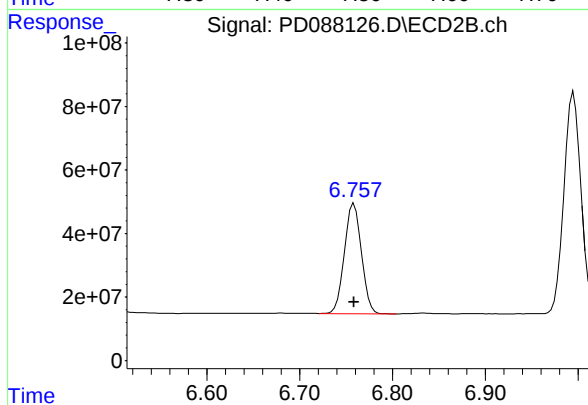
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 820966120
Conc: 50.00 ng/ml



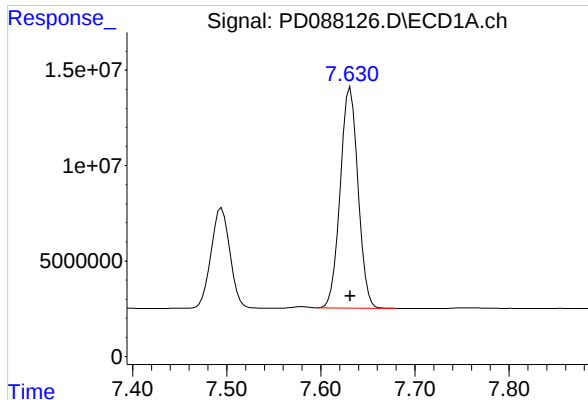
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 73392410
Conc: 50.00 ng/ml



#20 Methoxychlor

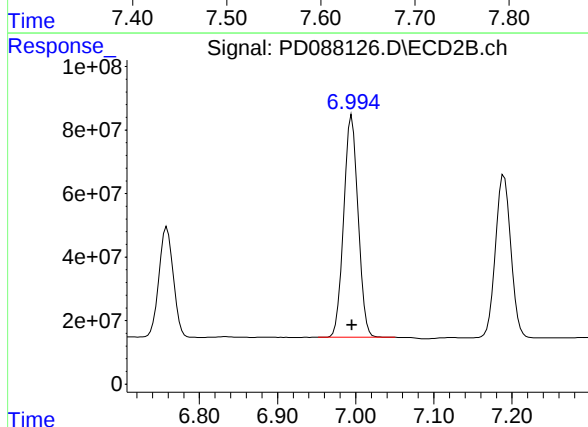
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 441962203
Conc: 50.00 ng/ml



#21 Endrin ketone

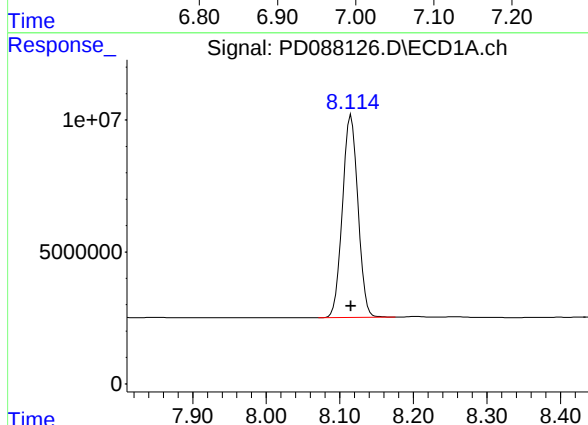
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 151874924
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



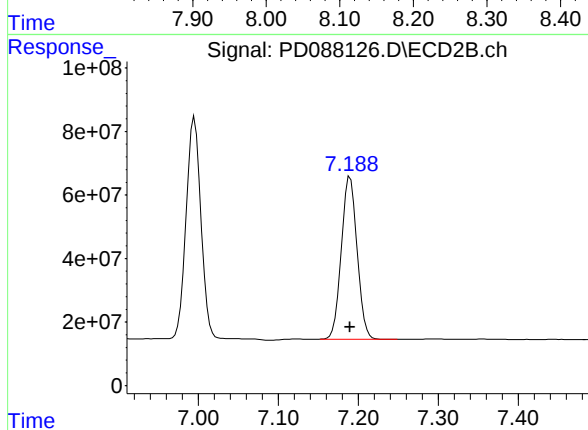
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 895263874
Conc: 50.00 ng/ml



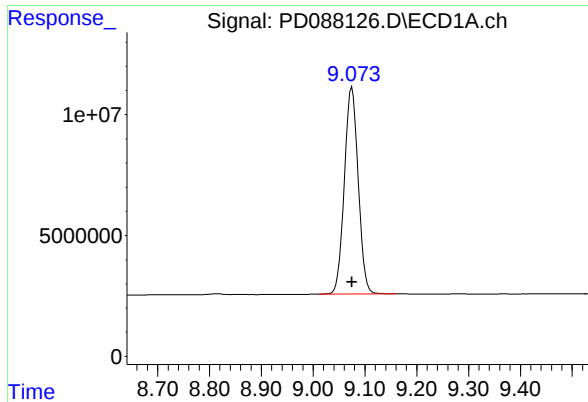
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 112481599
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 701086026
Conc: 50.00 ng/ml

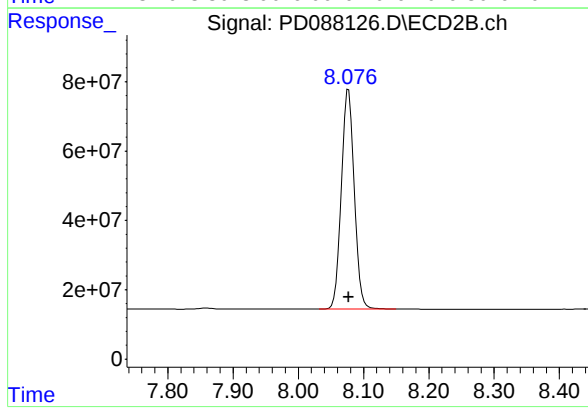


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 158907029
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 873516533
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:37
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.883	48091567	363.8E6	24.806	25.964
28)	SA Decachlor...	9.075	8.076	82258935	459.7E6	25.883	26.313
Target Compounds							
2)	A alpha-BHC	4.001	3.396	99341615	563.0E6	22.886	25.485
3)	MA gamma-BHC...	4.332	3.733	97186739	528.4E6	23.390	25.704
4)	MA Heptachlor	4.932	4.087	94534629	532.5E6	23.763	25.945
5)	MB Aldrin	5.273	4.373	92978704	517.9E6	23.769	25.894
6)	B beta-BHC	4.516	4.028	39603540	232.3E6	25.082	26.257
7)	B delta-BHC	4.765	4.265	96272367	525.8E6	23.621	25.682
8)	B Heptachlo...	5.693	4.877	84745348	472.0E6	24.308	26.106
9)	A Endosulfan I	6.076	5.251	80453509	451.6E6	24.350	26.184
10)	B gamma-Chl...	5.948	5.130	85075416	502.2E6	24.058	25.835
11)	B alpha-Chl...	6.029	5.194	85660342	486.4E6	24.270	25.934
12)	B 4,4'-DDE	6.198	5.380	76777577	489.5E6	23.696	25.940
13)	MA Dieldrin	6.349	5.517	84286018	497.2E6	23.874	25.966
14)	MA Endrin	6.576	5.793	70161483	455.4E6	23.901	26.075
15)	B Endosulfa...	6.788	6.085	74367338	438.3E6	24.727	26.186
16)	A 4,4'-DDD	6.707	5.934	59400090	409.0E6	23.808	25.900
17)	MA 4,4'-DDT	7.023	6.188	65746503	426.6E6	23.864	25.475
18)	B Endrin al...	6.917	6.263	55861887	333.7E6	24.862	26.261
19)	B Endosulfa...	7.151	6.487	69350501	430.0E6	24.701	26.189
20)	A Methoxychlor	7.495	6.759	37082247	232.3E6	25.263	26.276
21)	B Endrin ke...	7.632	6.995	74459471	469.5E6	24.513	26.222
22)	Mirex	8.116	7.190	58667661	372.6E6	26.079	26.570

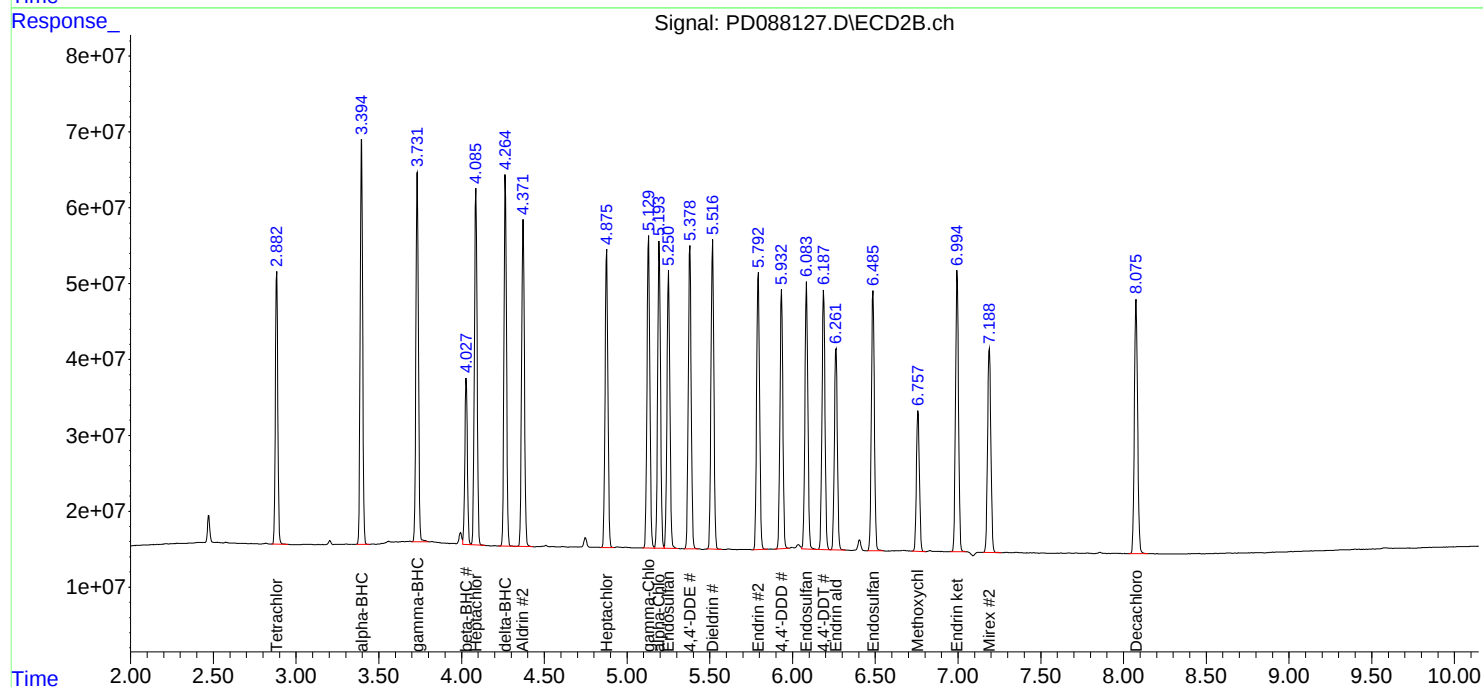
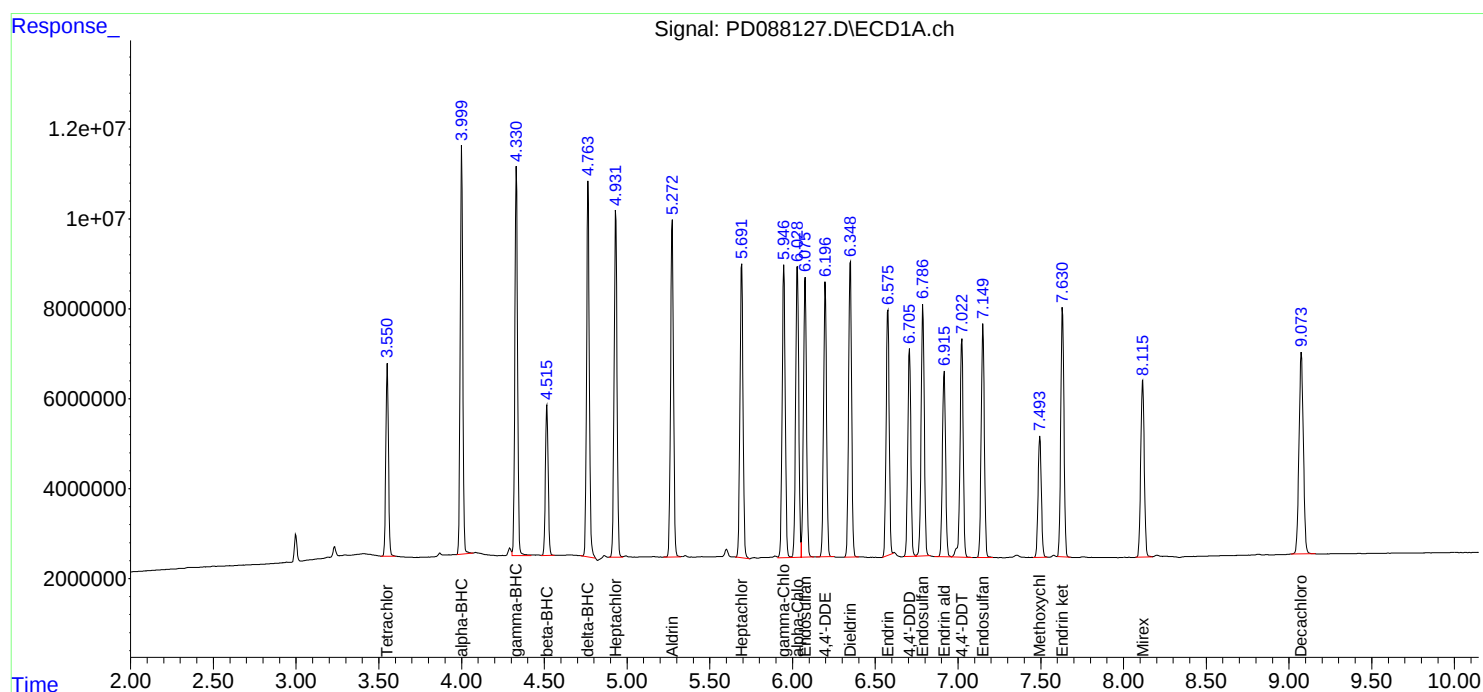
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

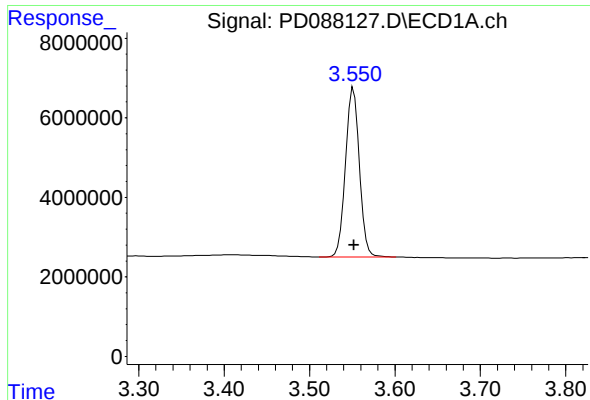
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

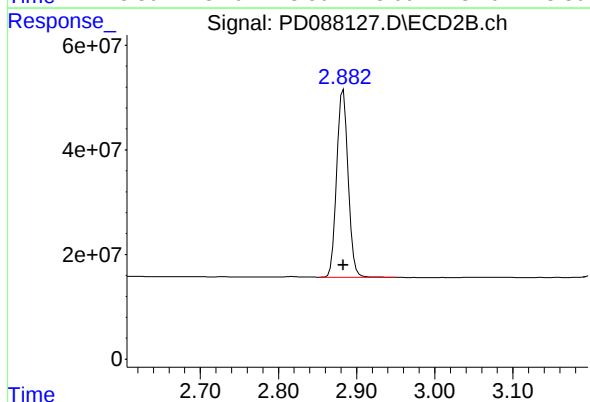




#1 Tetrachloro-m-xylene

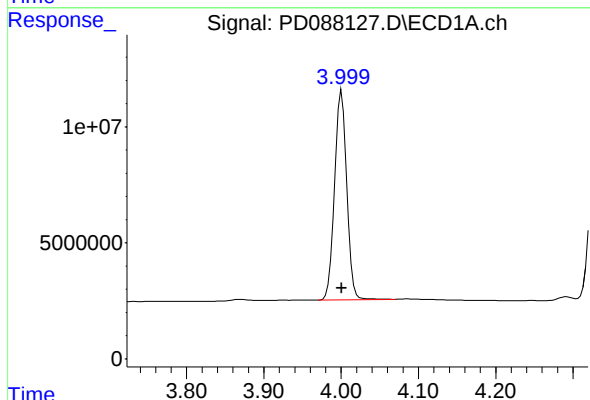
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 48091567
Conc: 24.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



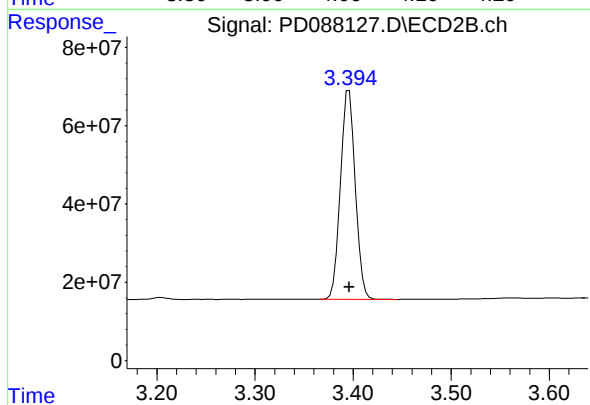
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 363778832
Conc: 25.96 ng/ml



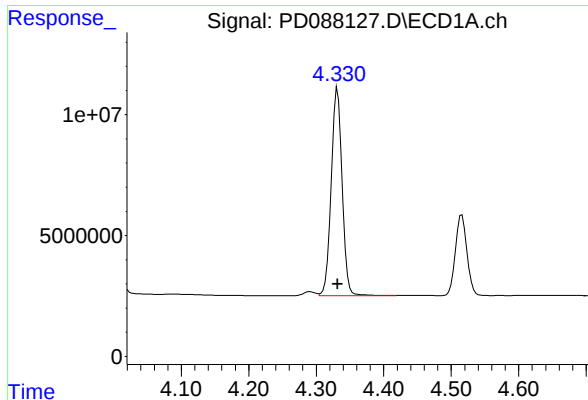
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 99341615
Conc: 22.89 ng/ml



#2 alpha-BHC

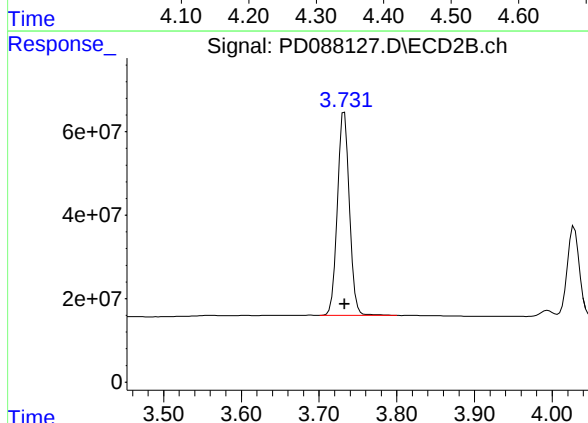
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 562974449
Conc: 25.49 ng/ml



#3 gamma-BHC (Lindane)

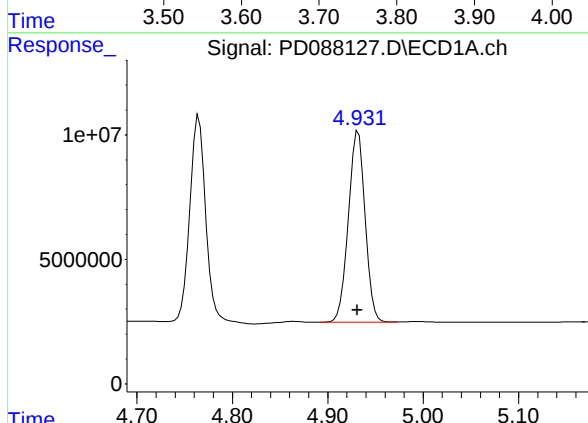
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 97186739
Conc: 23.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



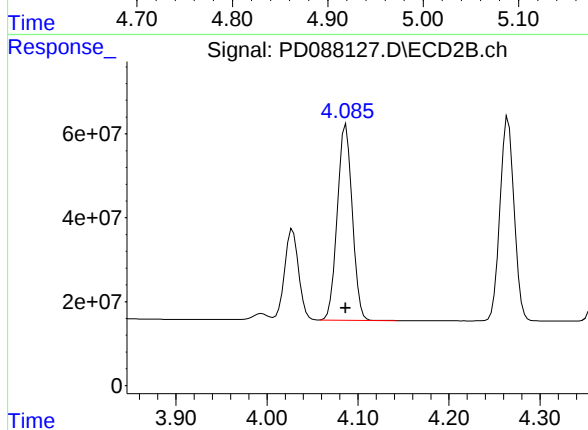
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.000 min
Response: 528430961
Conc: 25.70 ng/ml



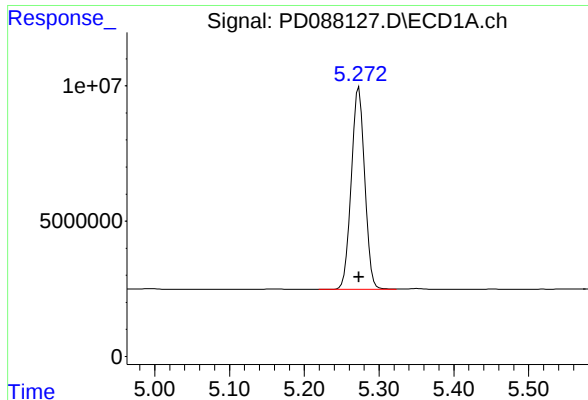
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.000 min
Response: 94534629
Conc: 23.76 ng/ml



#4 Heptachlor

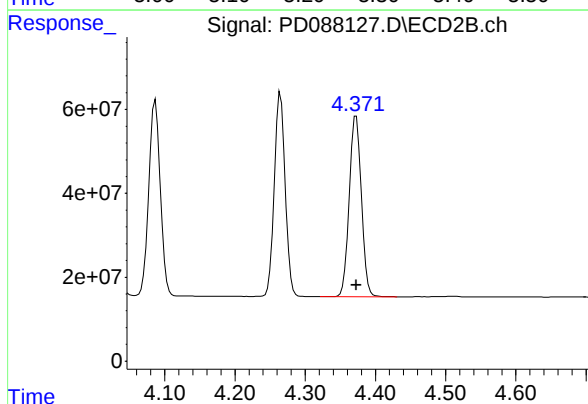
R.T.: 4.087 min
Delta R.T.: 0.000 min
Response: 532471005
Conc: 25.95 ng/ml



#5 Aldrin

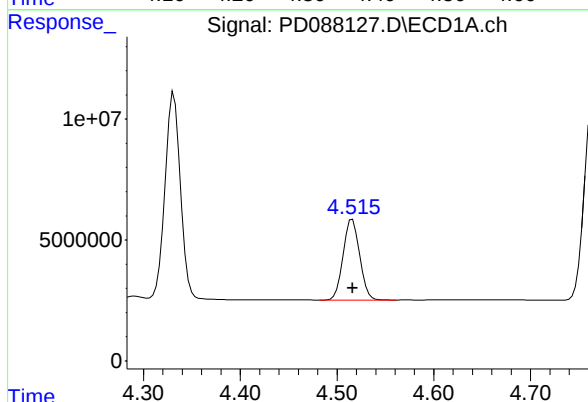
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 92978704
Conc: 23.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



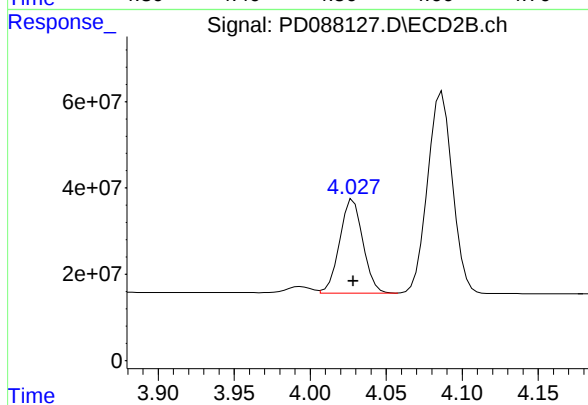
#5 Aldrin

R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 517887879
Conc: 25.89 ng/ml



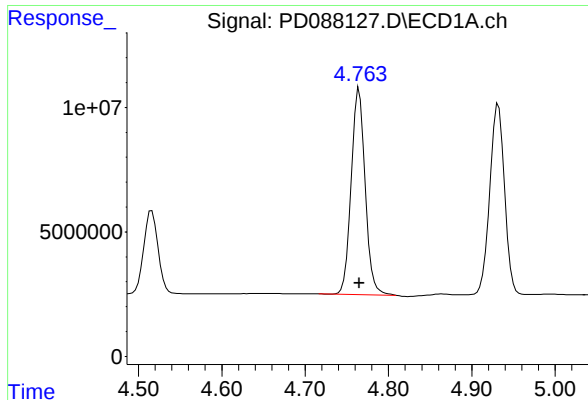
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 39603540
Conc: 25.08 ng/ml



#6 beta-BHC

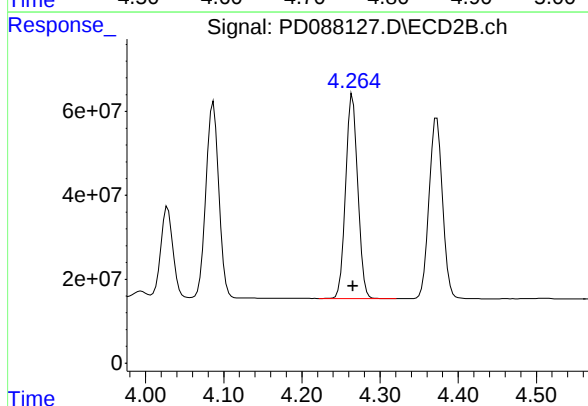
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 232311847
Conc: 26.26 ng/ml



#7 delta-BHC

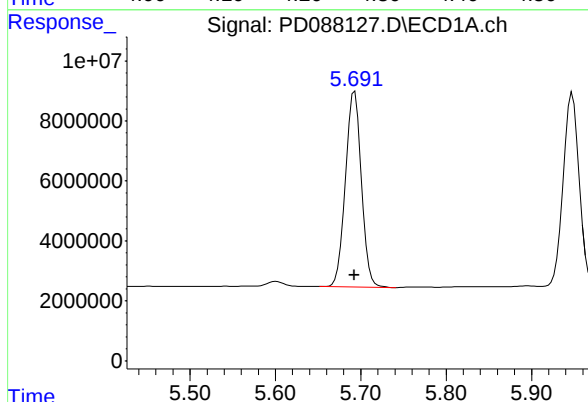
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 96272367
Conc: 23.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



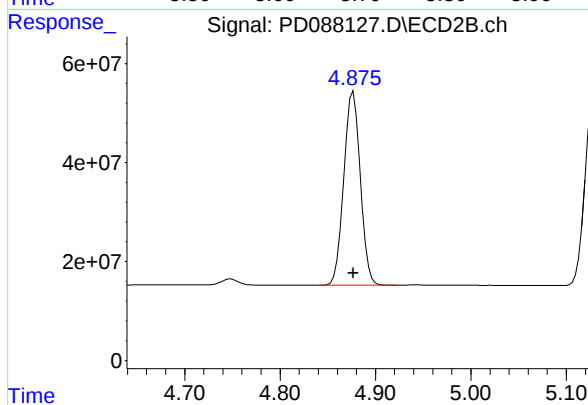
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 525797541
Conc: 25.68 ng/ml



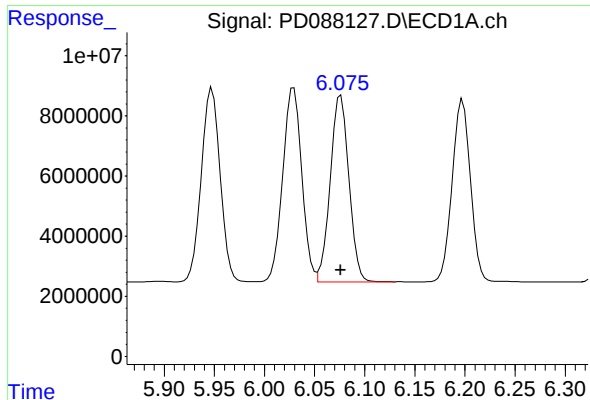
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 84745348
Conc: 24.31 ng/ml



#8 Heptachlor epoxide

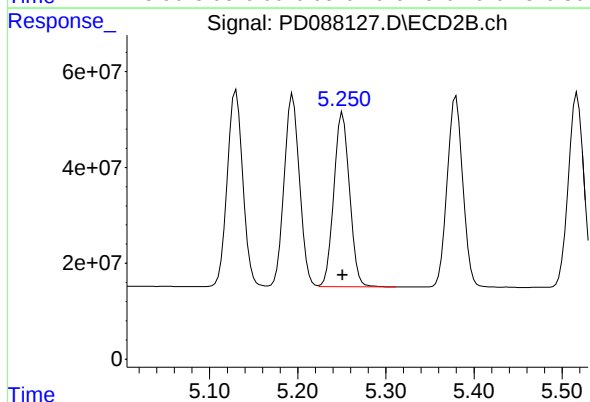
R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 471979831
Conc: 26.11 ng/ml



#9 Endosulfan I

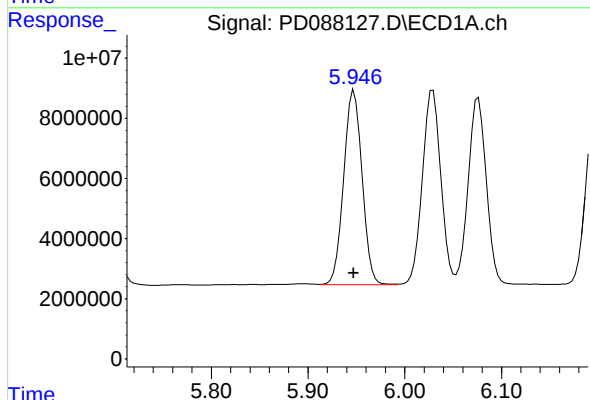
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 80453509
Conc: 24.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



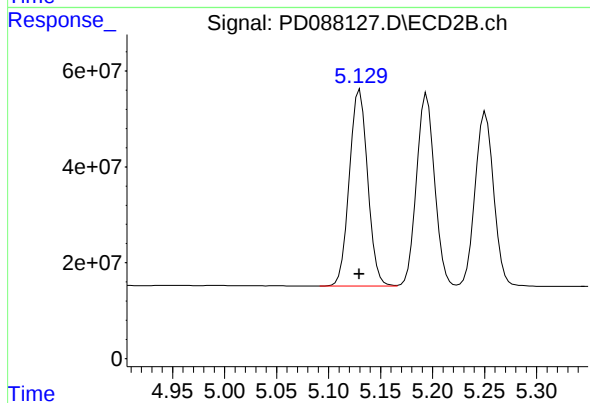
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 451585894
Conc: 26.18 ng/ml



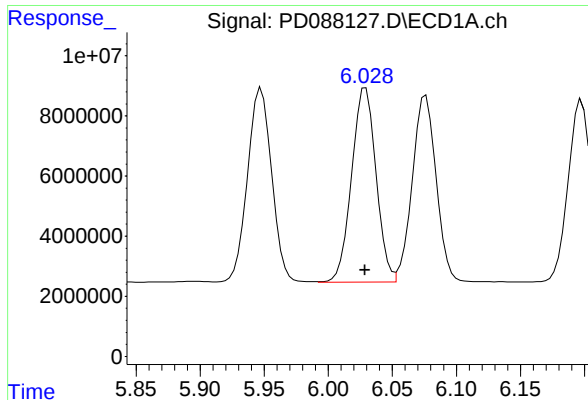
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 85075416
Conc: 24.06 ng/ml



#10 gamma-Chlordane

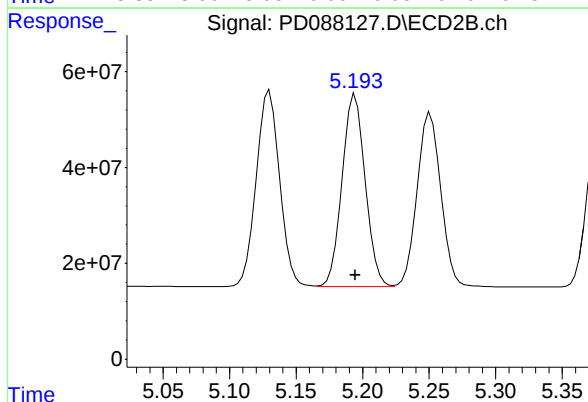
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 502169233
Conc: 25.84 ng/ml



#11 alpha-Chlordane

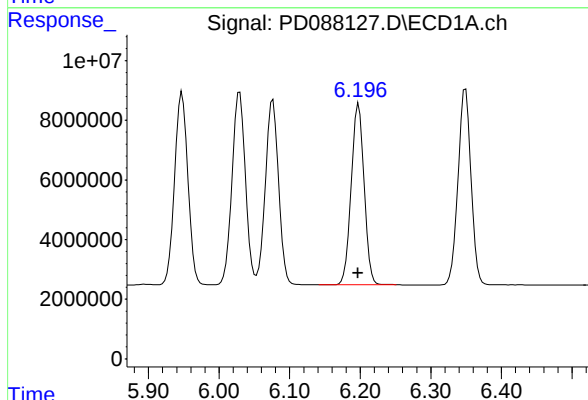
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 85660342
Conc: 24.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



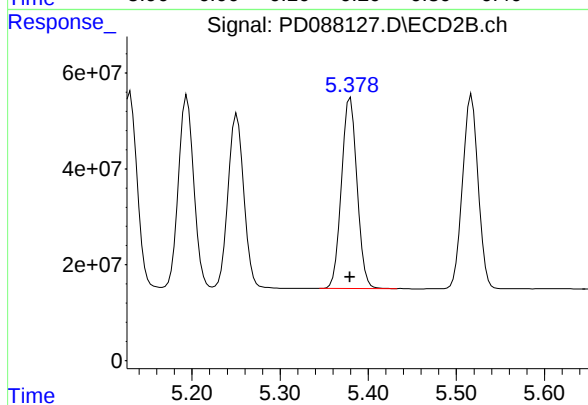
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 486399177
Conc: 25.93 ng/ml



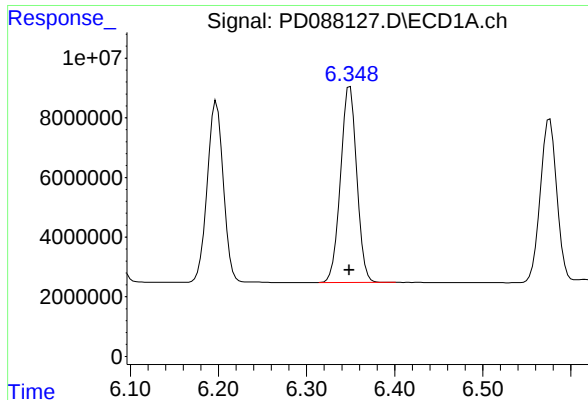
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 76777577
Conc: 23.70 ng/ml



#12 4,4'-DDE

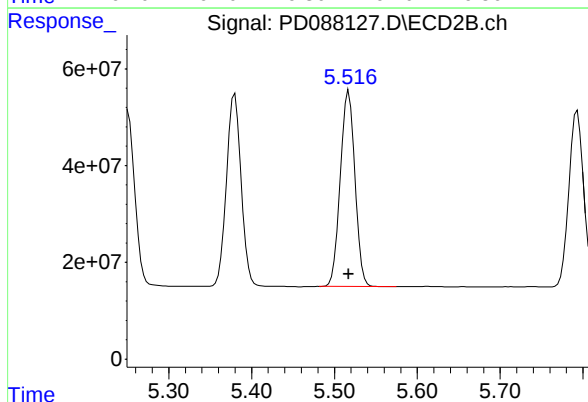
R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 489545151
Conc: 25.94 ng/ml



#13 Dieldrin

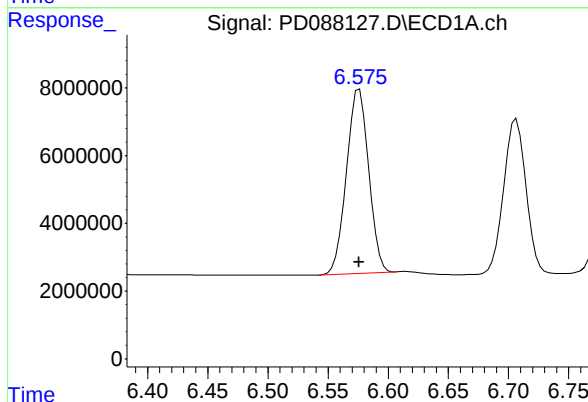
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 84286018
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



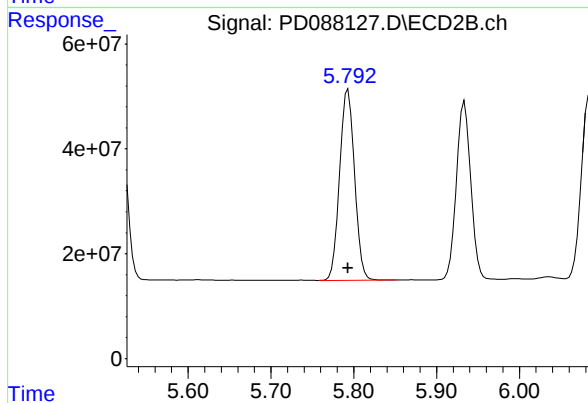
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 497161030
Conc: 25.97 ng/ml



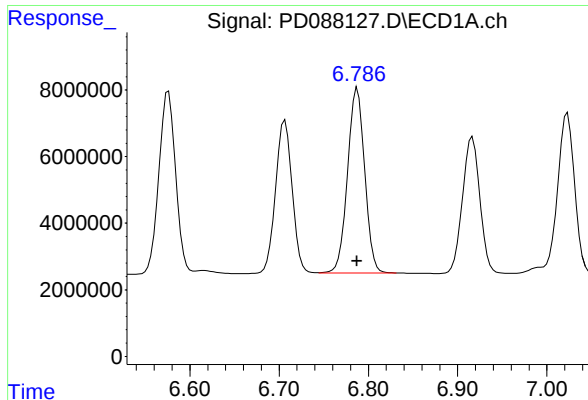
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 70161483
Conc: 23.90 ng/ml



#14 Endrin

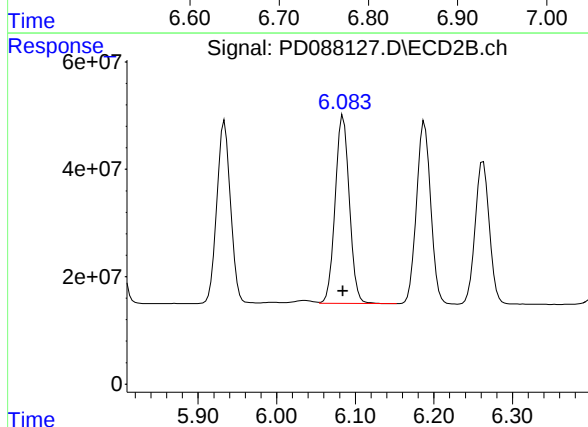
R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 455388285
Conc: 26.08 ng/ml



#15 Endosulfan II

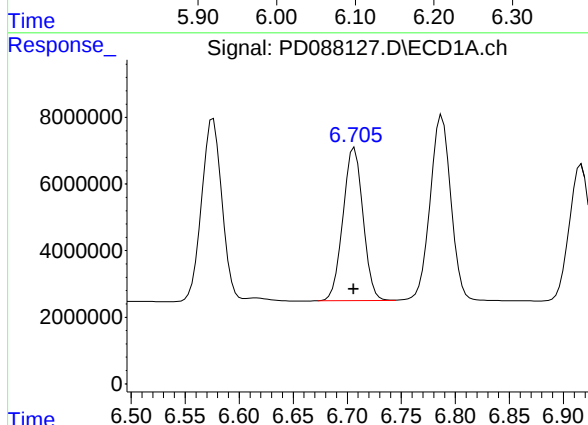
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 74367338
Conc: 24.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



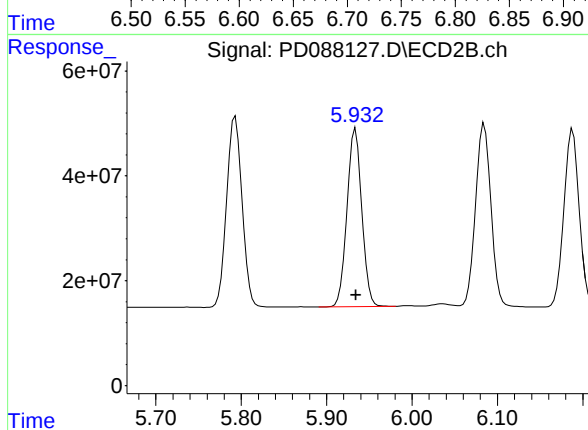
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.000 min
Response: 438294210
Conc: 26.19 ng/ml



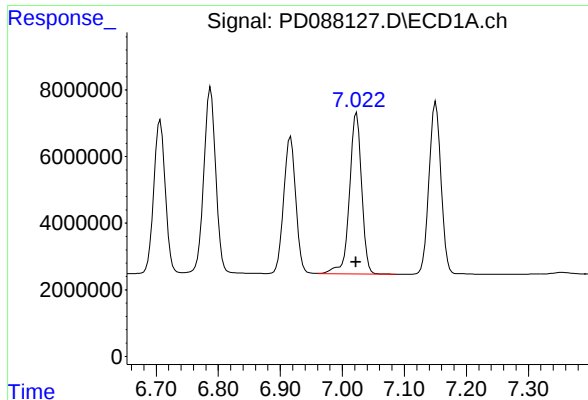
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 59400090
Conc: 23.81 ng/ml



#16 4,4'-DDD

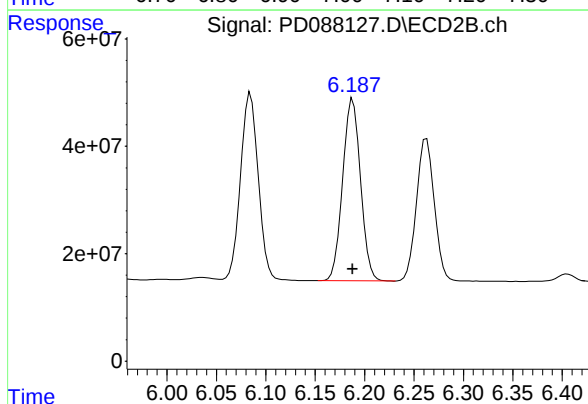
R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 409023999
Conc: 25.90 ng/ml



#17 4,4'-DDT

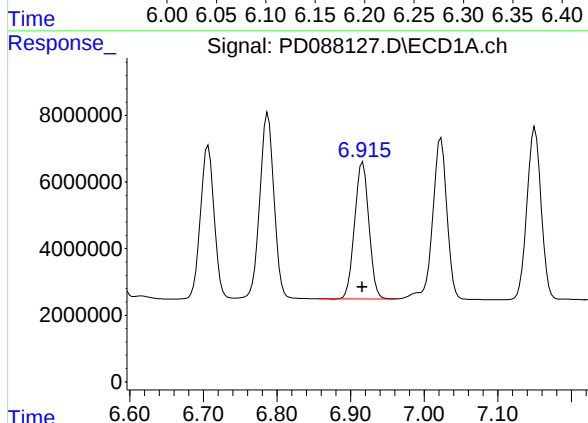
R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 65746503
Conc: 23.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



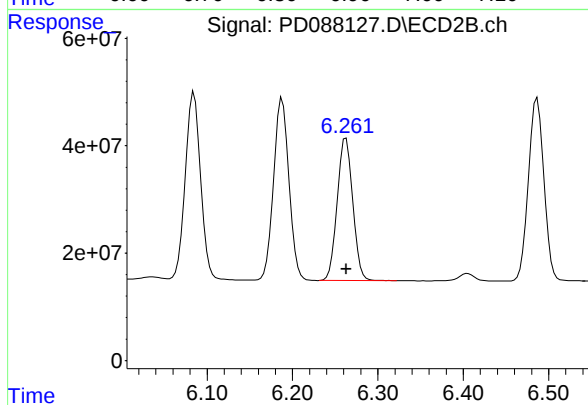
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 426594873
Conc: 25.47 ng/ml



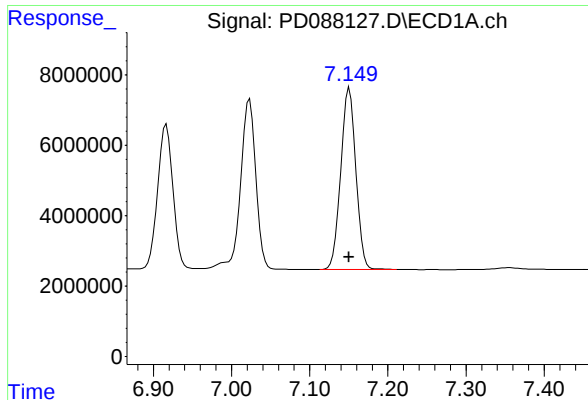
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 55861887
Conc: 24.86 ng/ml



#18 Endrin aldehyde

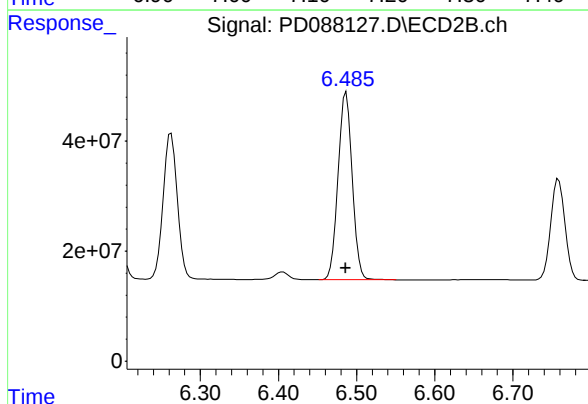
R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 333705636
Conc: 26.26 ng/ml



#19 Endosulfan Sulfate

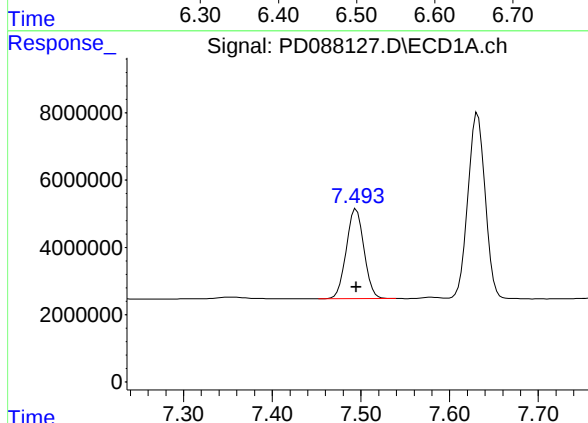
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 69350501
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



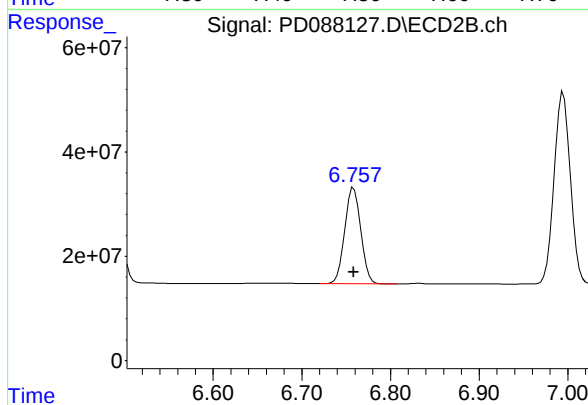
#19 Endosulfan Sulfate

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 430008369
Conc: 26.19 ng/ml



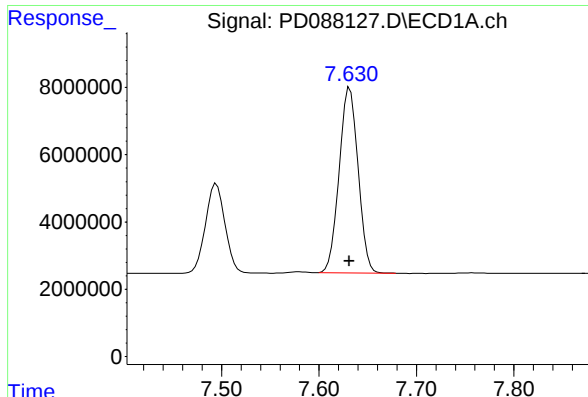
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 37082247
Conc: 25.26 ng/ml



#20 Methoxychlor

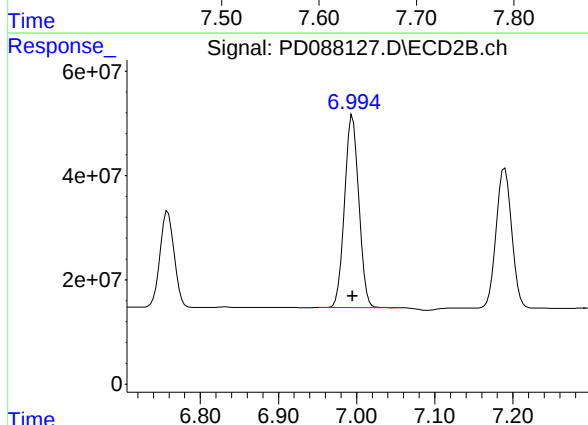
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 232262296
Conc: 26.28 ng/ml



#21 Endrin ketone

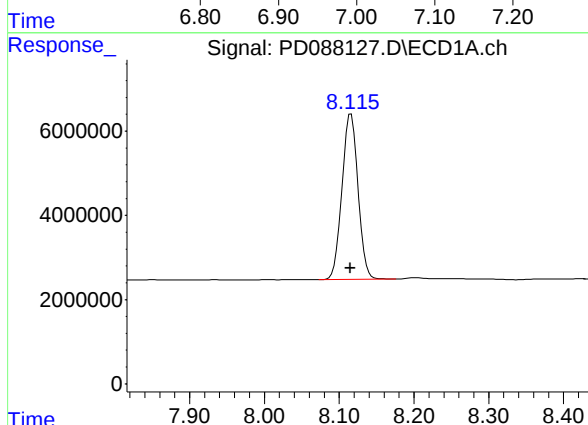
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 74459471
Conc: 24.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



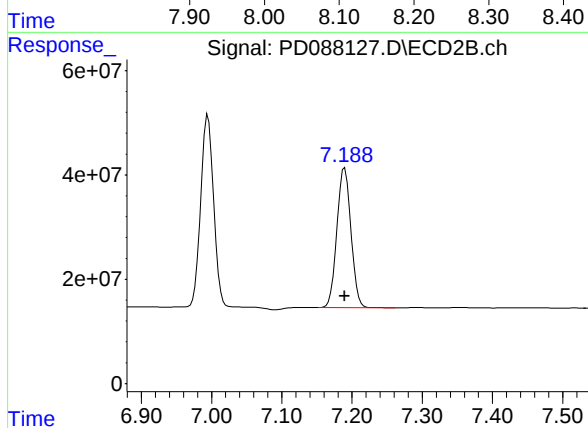
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 469504985
Conc: 26.22 ng/ml



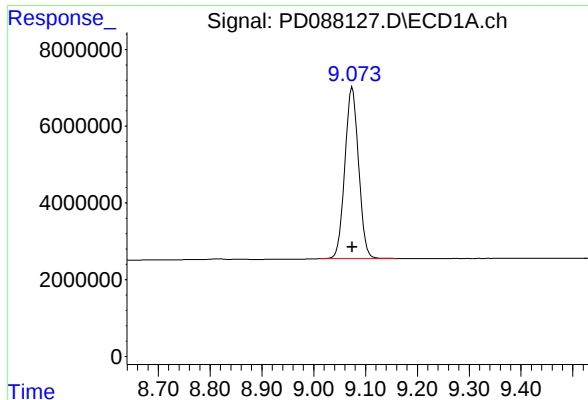
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 58667661
Conc: 26.08 ng/ml



#22 Mirex

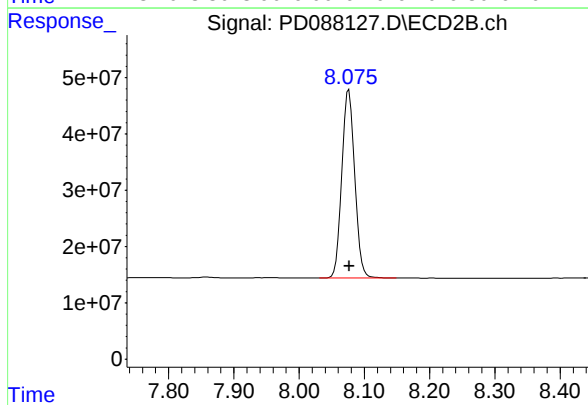
R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 37255507
Conc: 26.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 82258935
Conc: 25.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 459690801
Conc: 26.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:51
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	10677571	86225193	5.508	6.154
28) SA Decachlor...	9.075	8.076	19250443	113.4E6	6.057	6.490
Target Compounds						
2) A alpha-BHC	4.001	3.396	19344032	129.8E6	4.456	5.874 #
3) MA gamma-BHC...	4.332	3.733	20113508	128.2E6	4.841	6.234 #
4) MA Heptachlor	4.931	4.086	20057945	126.6E6	5.042	6.169
5) MB Aldrin	5.273	4.372	19278191	121.3E6	4.928	6.063
6) B beta-BHC	4.516	4.028	8800396	55407278	5.573	6.262
7) B delta-BHC	4.764	4.265	19851779	122.2E6	4.871m	5.967
8) B Heptachlo...	5.693	4.876	18623118	112.9E6	5.342	6.244
9) A Endosulfan I	6.076	5.251	17577772	107.8E6	5.320	6.253
10) B gamma-Chl...	5.948	5.130	18576714	119.7E6	5.253	6.157
11) B alpha-Chl...	6.029	5.194	18782686	116.3E6	5.322	6.201
12) B 4,4'-DDE	6.197	5.379	15929607	115.5E6	4.916	6.117
13) MA Dieldrin	6.349	5.517	17671896	116.9E6	5.006	6.106
14) MA Endrin	6.576	5.793	14827210	107.9E6	5.051	6.177
15) B Endosulfa...	6.787	6.084	17419714	105.5E6	5.792	6.301
16) A 4,4'-DDD	6.706	5.933	12295875	96096151	4.928	6.085
17) MA 4,4'-DDT	7.022	6.188	13556042	91724476	4.921	5.478
18) B Endrin al...	6.916	6.262	12478868	80534454	5.554	6.338
19) B Endosulfa...	7.151	6.486	15272374	102.6E6	5.440	6.248
20) A Methoxychlor	7.495	6.758	8094629	53678604	5.515	6.073
21) B Endrin ke...	7.631	6.995	16074498	112.9E6	5.292	6.304
22) Mirex	8.116	7.189	13799458	91589011	6.134	6.532

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

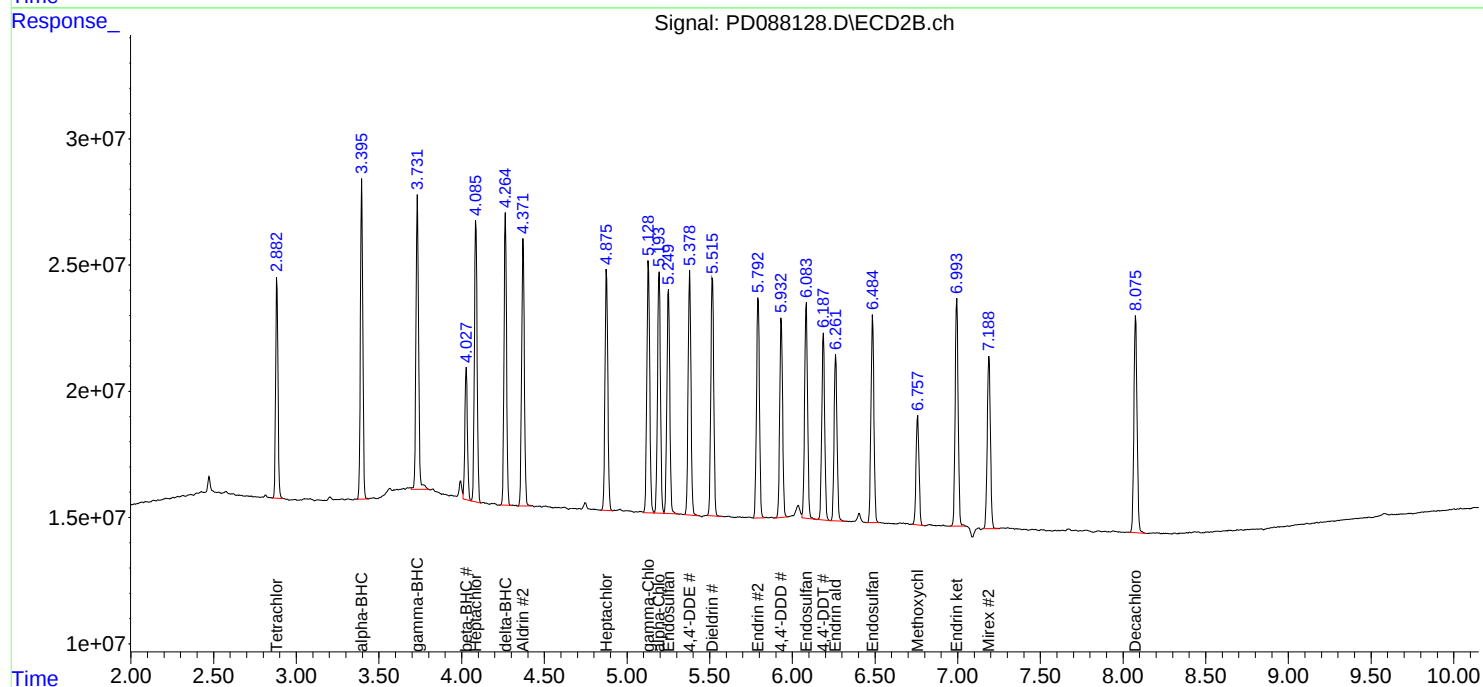
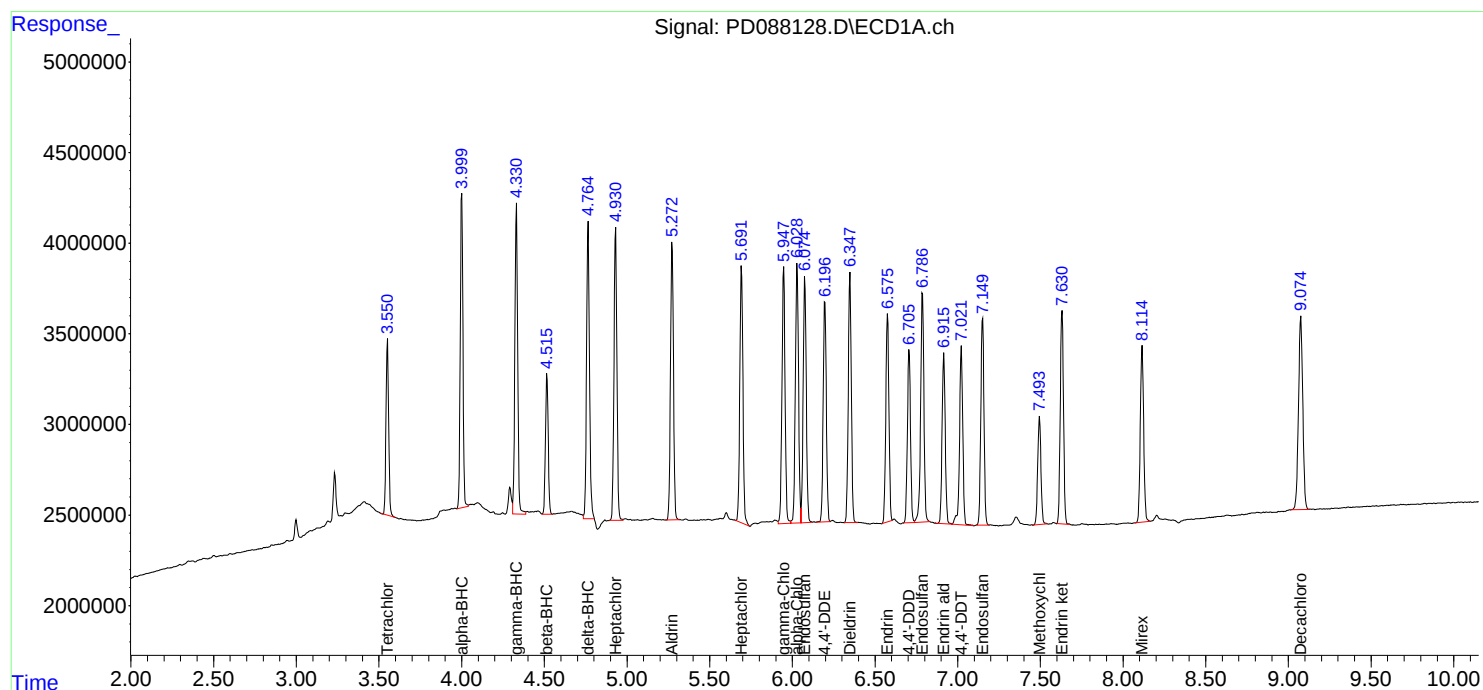
APPROVED

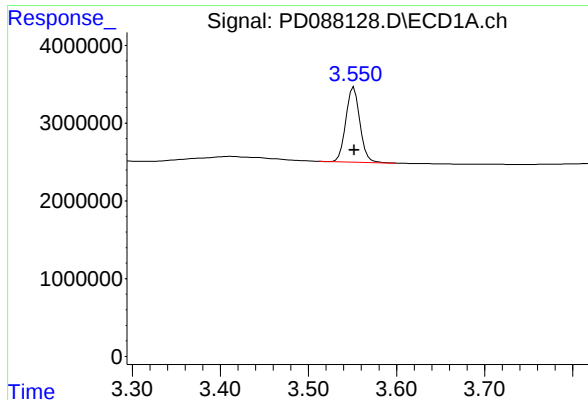
Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





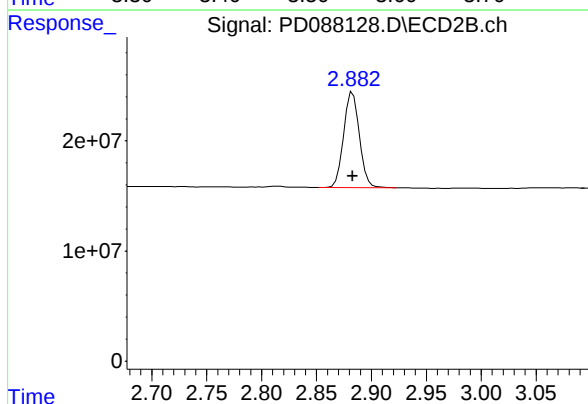
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 10677571
Conc: 5.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

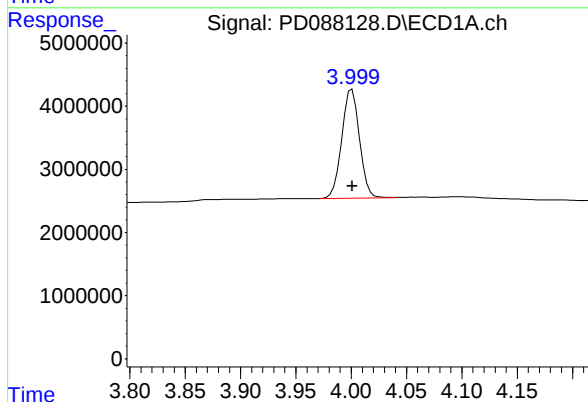
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



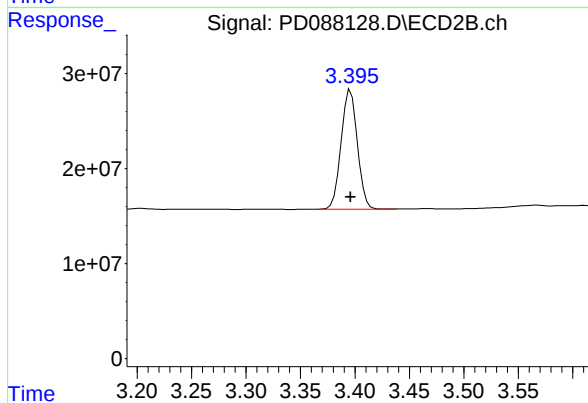
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 86225193
Conc: 6.15 ng/ml



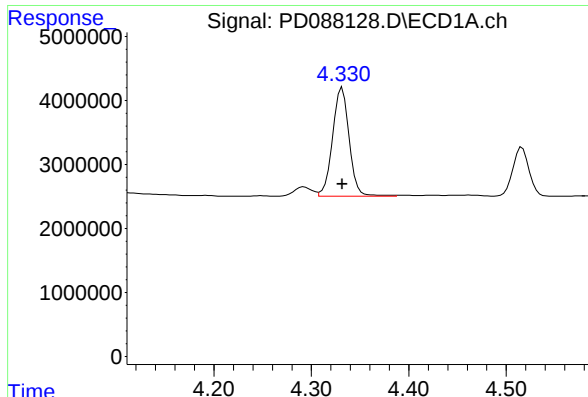
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 19344032
Conc: 4.46 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 129769941
Conc: 5.87 ng/ml



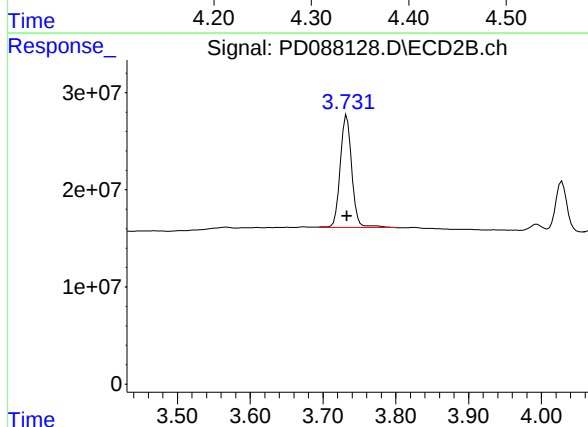
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 20113508
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

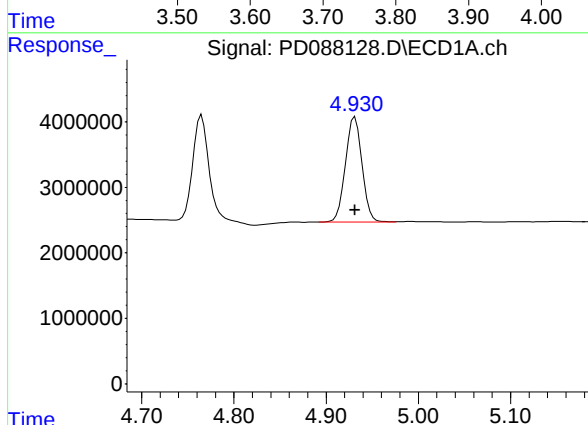
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



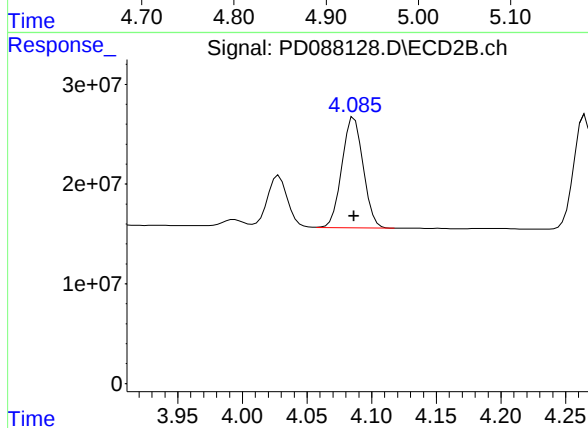
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.000 min
Response: 128151787
Conc: 6.23 ng/ml



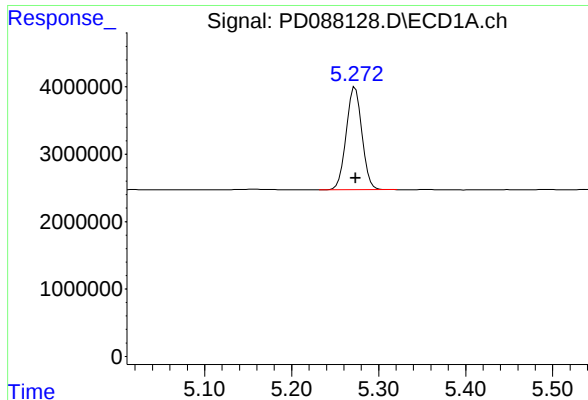
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 20057945
Conc: 5.04 ng/ml



#4 Heptachlor

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 126603704
Conc: 6.17 ng/ml



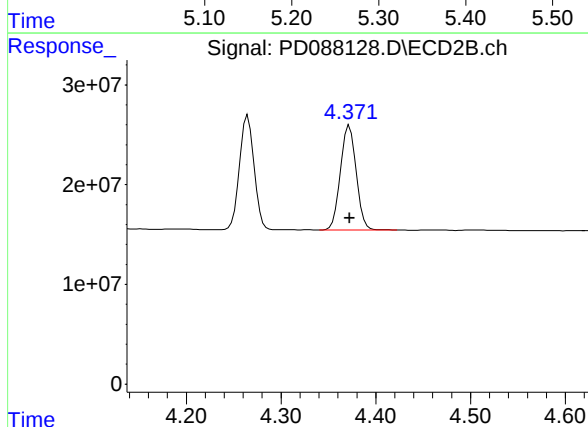
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 19278191
Conc: 4.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

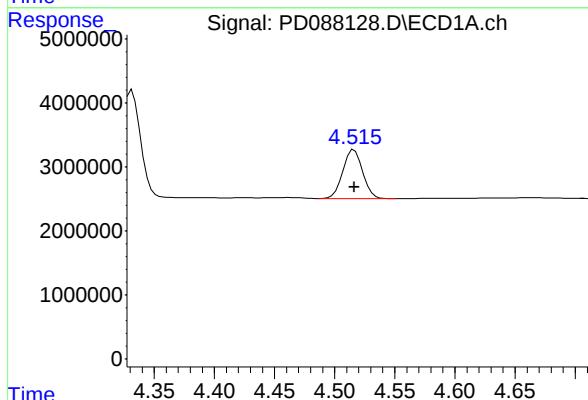
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



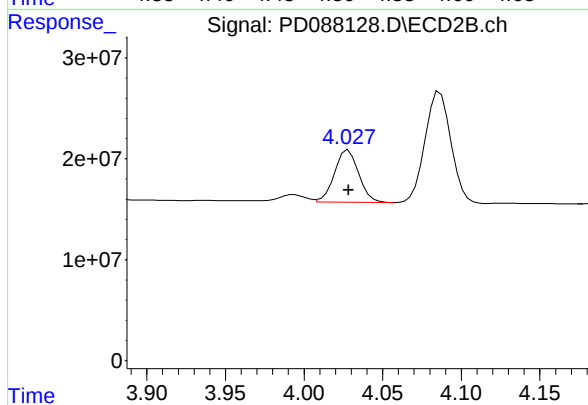
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 121269873
Conc: 6.06 ng/ml



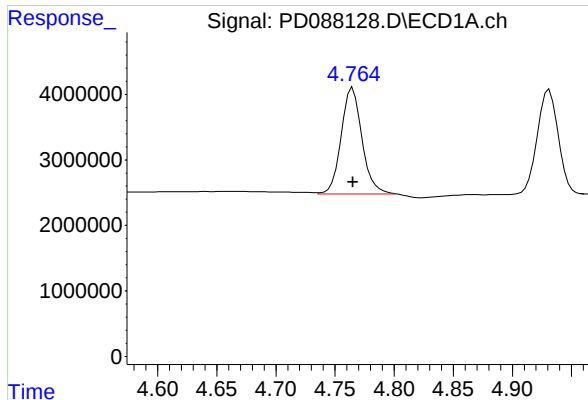
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 8800396
Conc: 5.57 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 55407278
Conc: 6.26 ng/ml



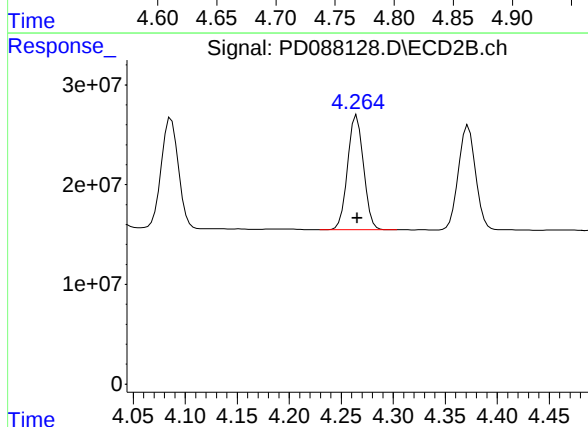
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: -0.001 min
Response: 19851779
Conc: 4.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

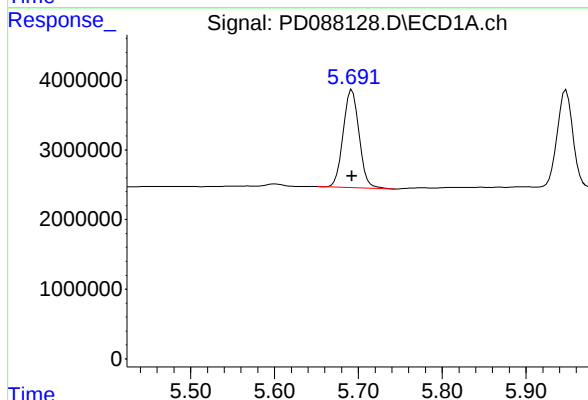
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



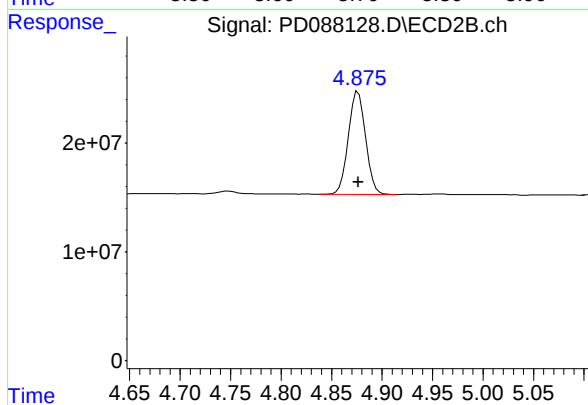
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 122164045
Conc: 5.97 ng/ml



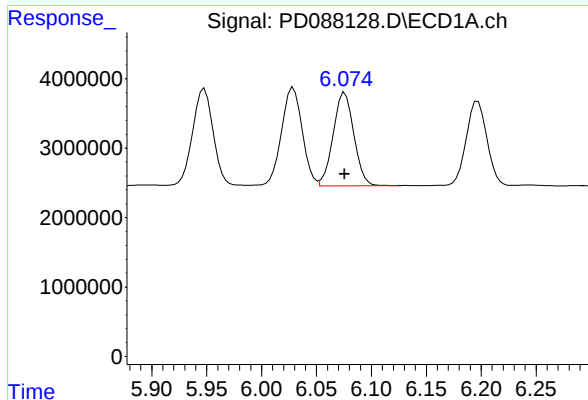
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 18623118
Conc: 5.34 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 112883463
Conc: 6.24 ng/ml



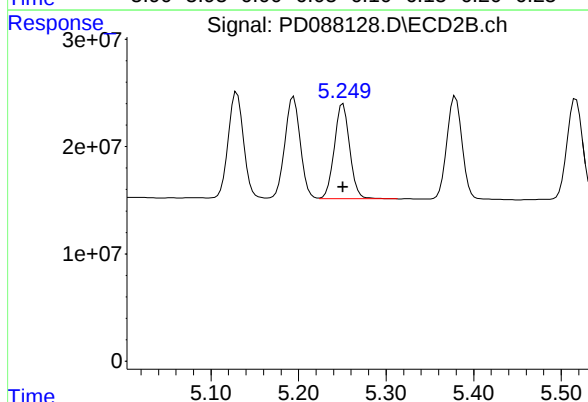
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 17577772
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

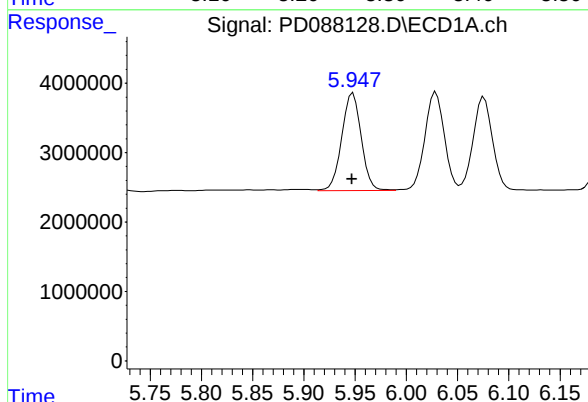
Manual Integrations
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Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



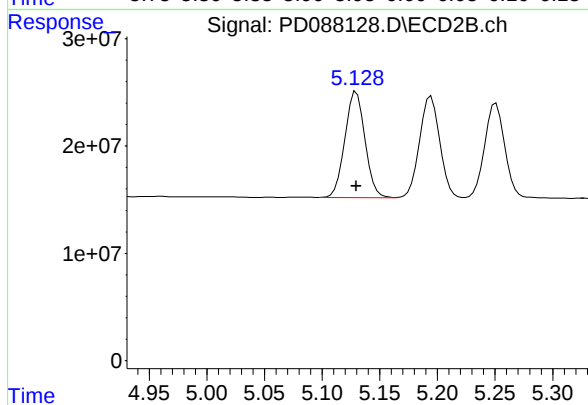
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 107849373
Conc: 6.25 ng/ml



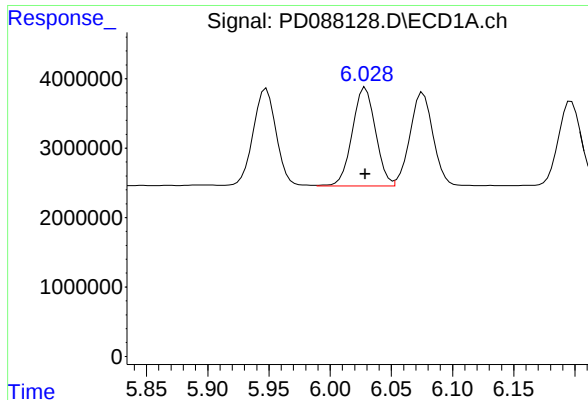
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 18576714
Conc: 5.25 ng/ml



#10 gamma-Chlordane

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 119665494
Conc: 6.16 ng/ml



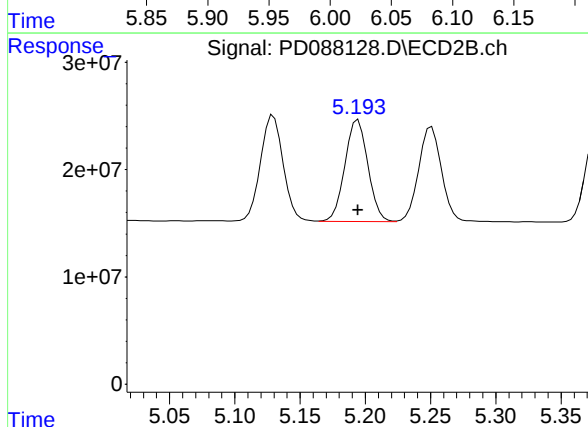
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 18782686
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

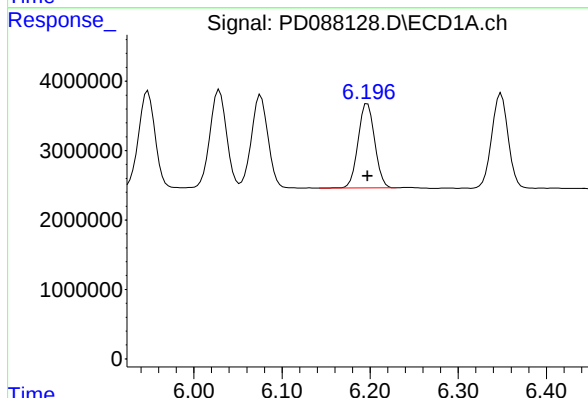
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



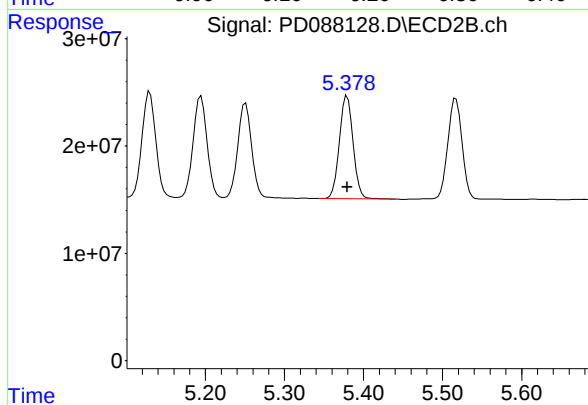
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 116305791
Conc: 6.20 ng/ml



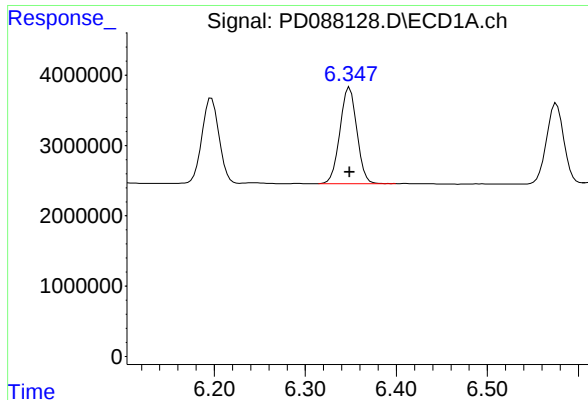
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 15929607
Conc: 4.92 ng/ml



#12 4,4'-DDE

R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 115450338
Conc: 6.12 ng/ml



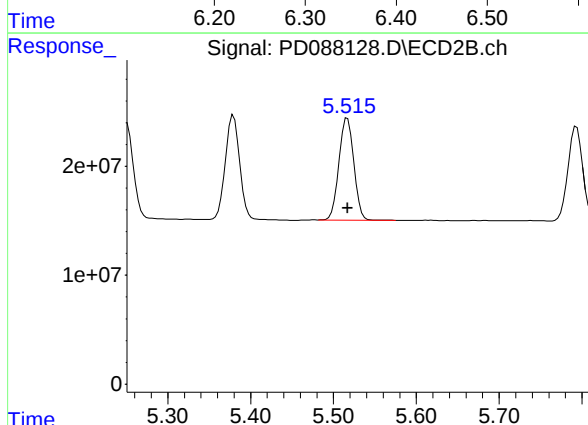
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 17671896
Conc: 5.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

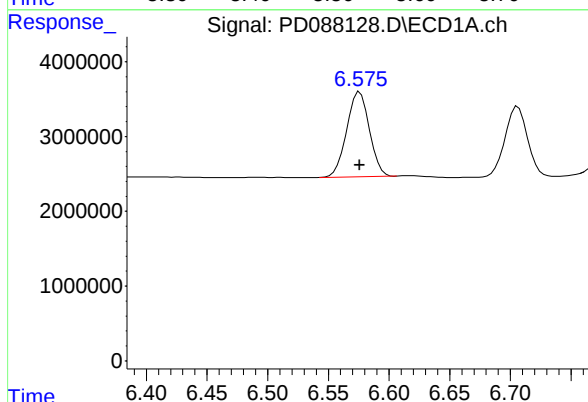
Manual Integrations
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Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



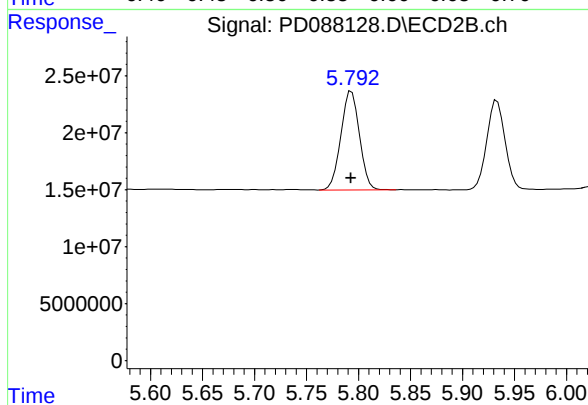
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 116908075
Conc: 6.11 ng/ml



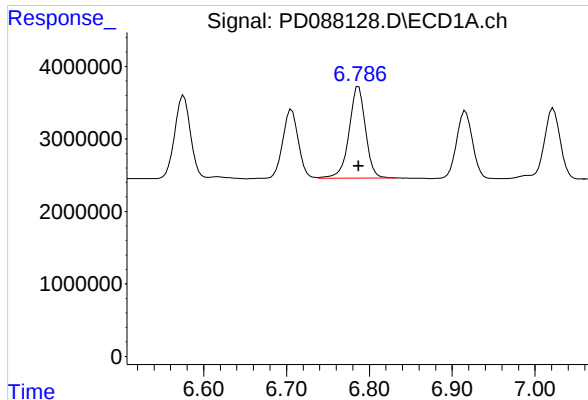
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 14827210
Conc: 5.05 ng/ml



#14 Endrin

R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 107870360
Conc: 6.18 ng/ml



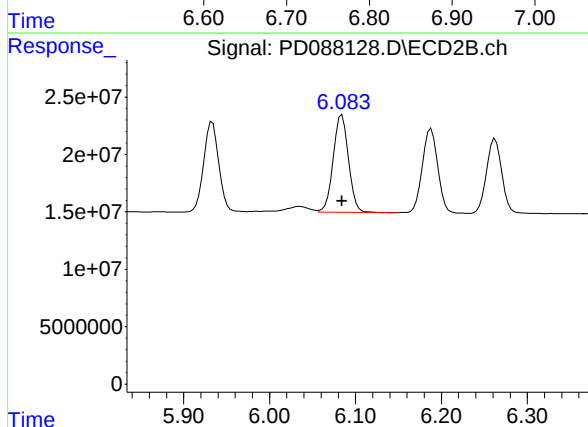
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 17419714
Conc: 5.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

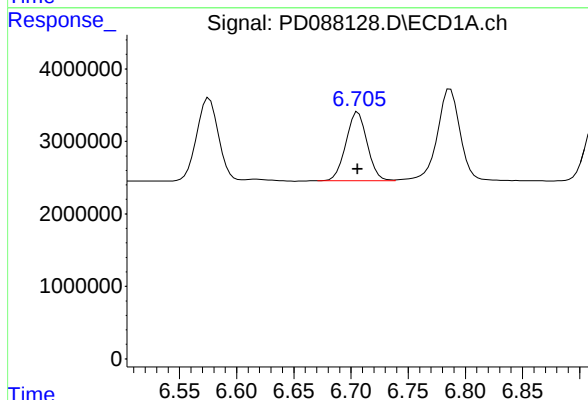
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



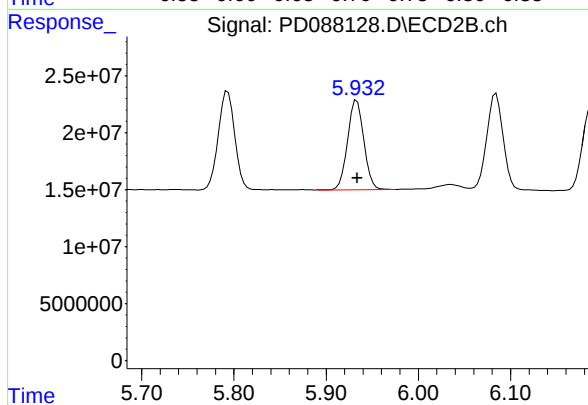
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 105459782
Conc: 6.30 ng/ml



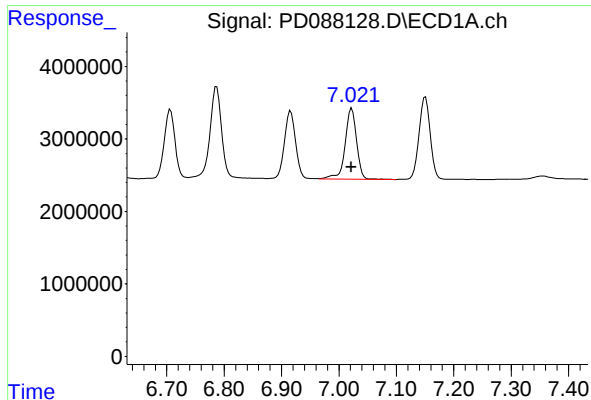
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 12295875
Conc: 4.93 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 96096151
Conc: 6.09 ng/ml



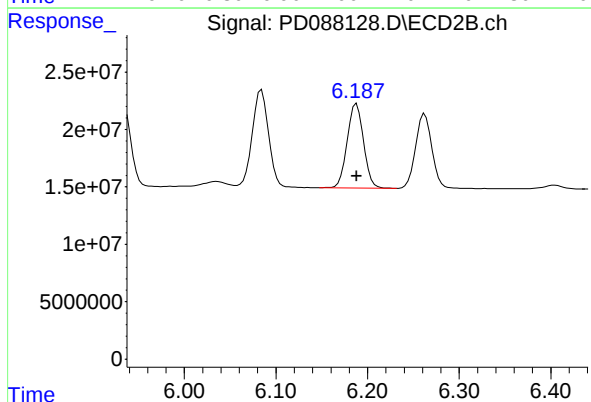
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 13556042
Conc: 4.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

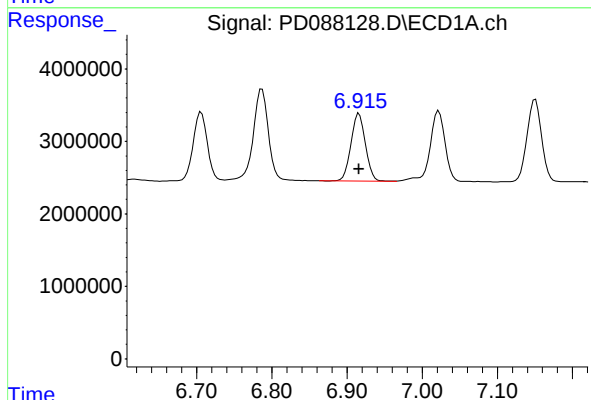
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



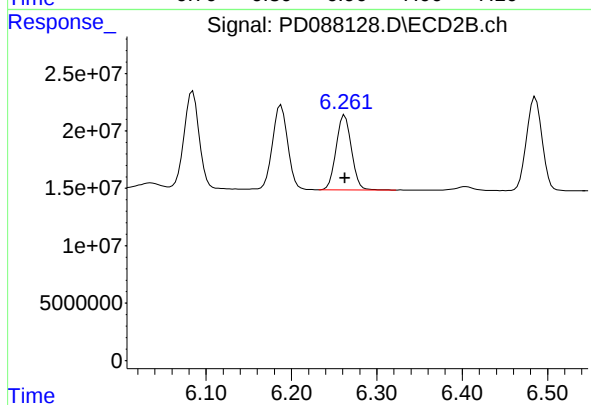
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 91724476
Conc: 5.48 ng/ml



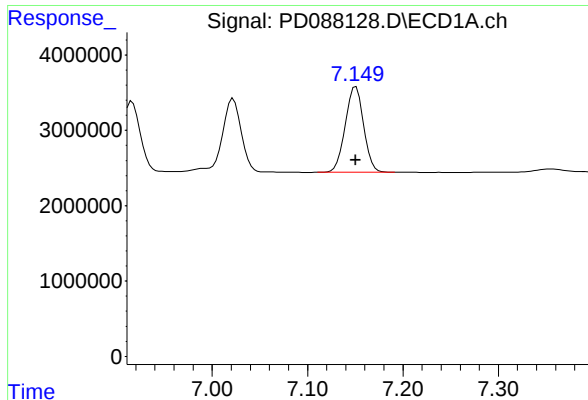
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 12478868
Conc: 5.55 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 80534454
Conc: 6.34 ng/ml



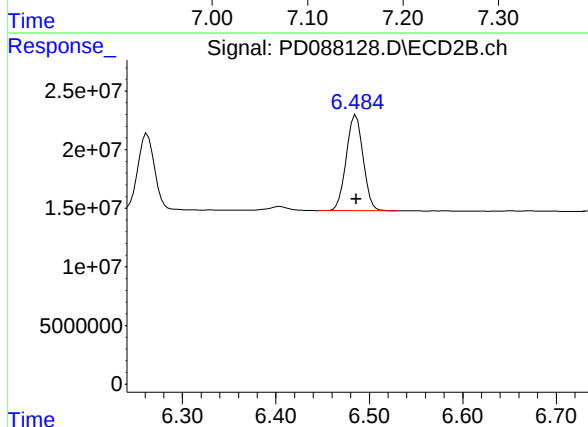
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 15272374
Conc: 5.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

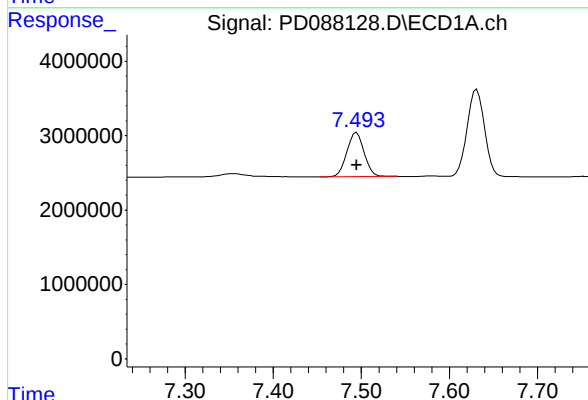
Manual Integrations
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Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



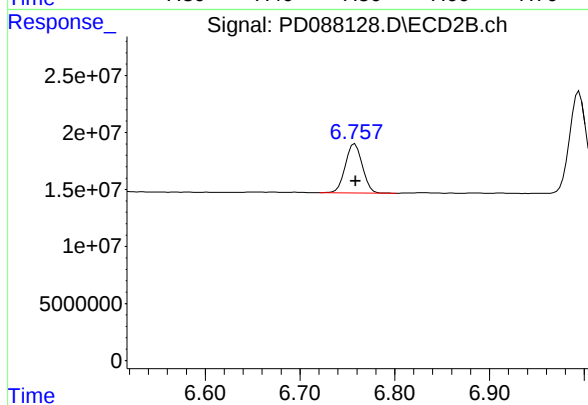
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 102582868
Conc: 6.25 ng/ml



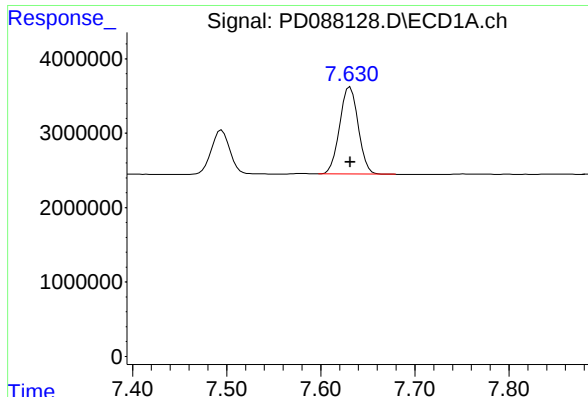
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 8094629
Conc: 5.51 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 53678604
Conc: 6.07 ng/ml



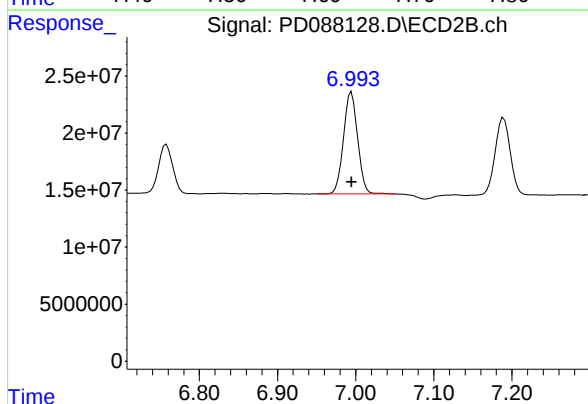
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 16074498
Conc: 5.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

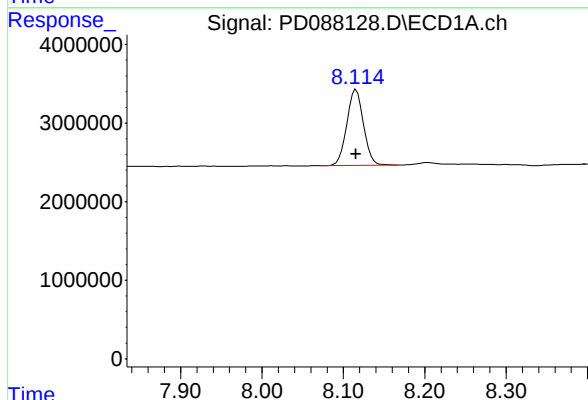
Manual Integrations
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Supervised By :mohammad ahmed 04/22/2025



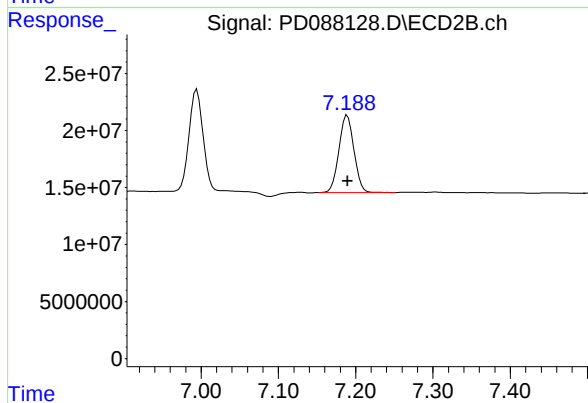
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 112866090
Conc: 6.30 ng/ml



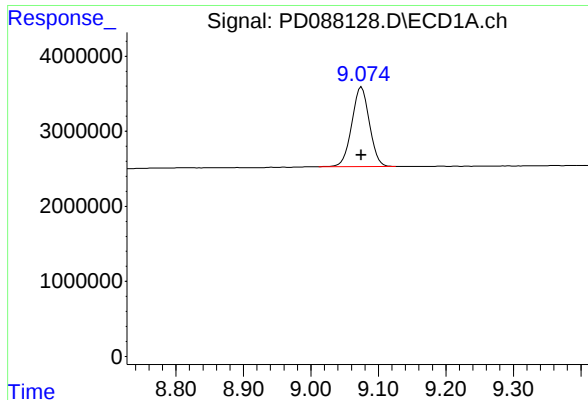
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 13799458
Conc: 6.13 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 91589011
Conc: 6.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 19250443
Conc: 6.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

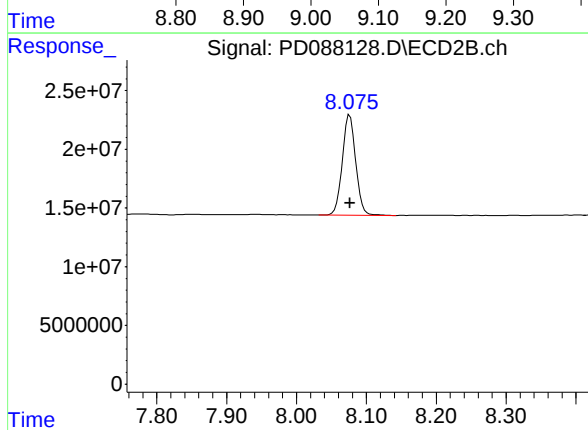
PSTDICC005

Manual Integrations

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Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 113373951
Conc: 6.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088131.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 15:32
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 05:48:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 05:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.883	96235160	865.8E6	50.000	50.000
28)	SA Decachlor...	9.074	8.077	154.6E6	878.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.717	3.909	80997430	383.8E6	500.000	500.000
24)	Chlordane-2	5.243	4.491	80390039	391.5E6	500.000	500.000
25)	Chlordane-3	5.948	5.130	333.1E6	1198.4E6	500.000	500.000
26)	Chlordane-4	6.034	5.194	398.6E6	1015.9E6	500.000	500.000
27)	Chlordane-5	6.873	6.094	66525644	465.8E6	500.000	500.000

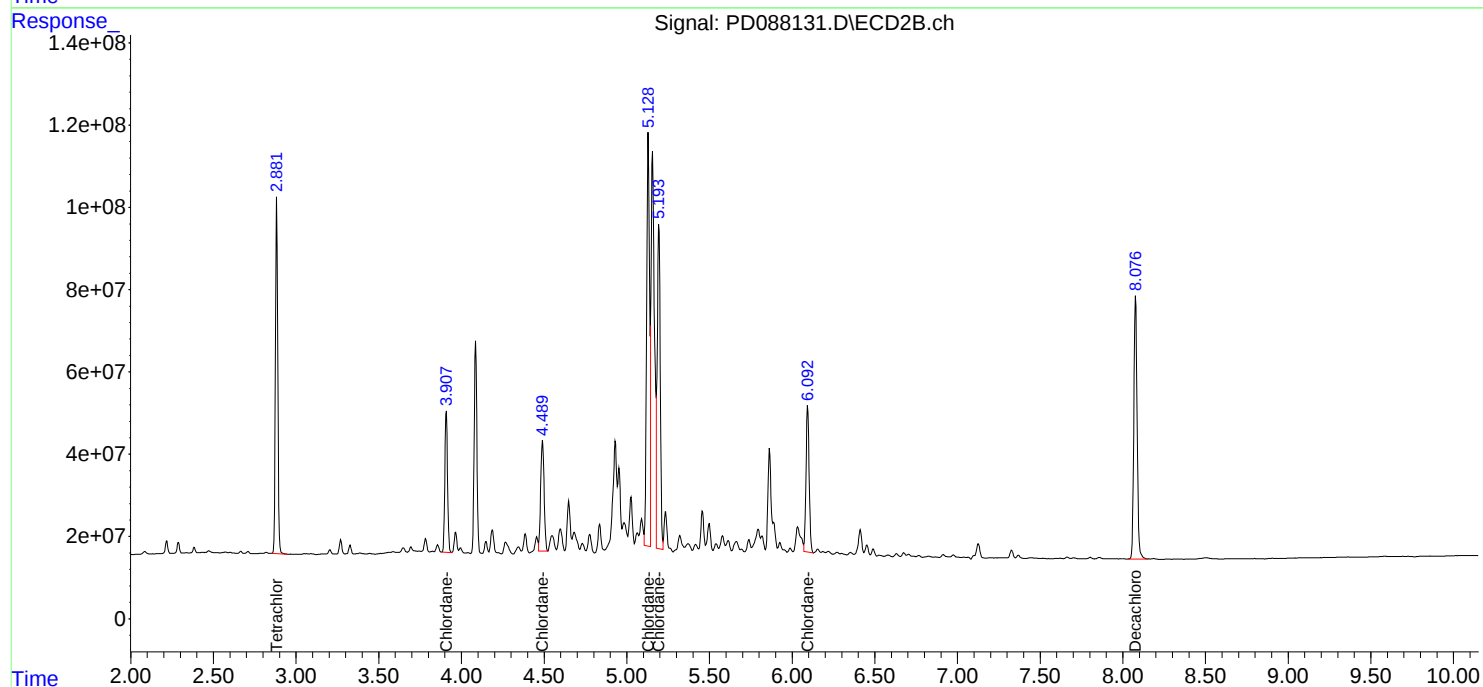
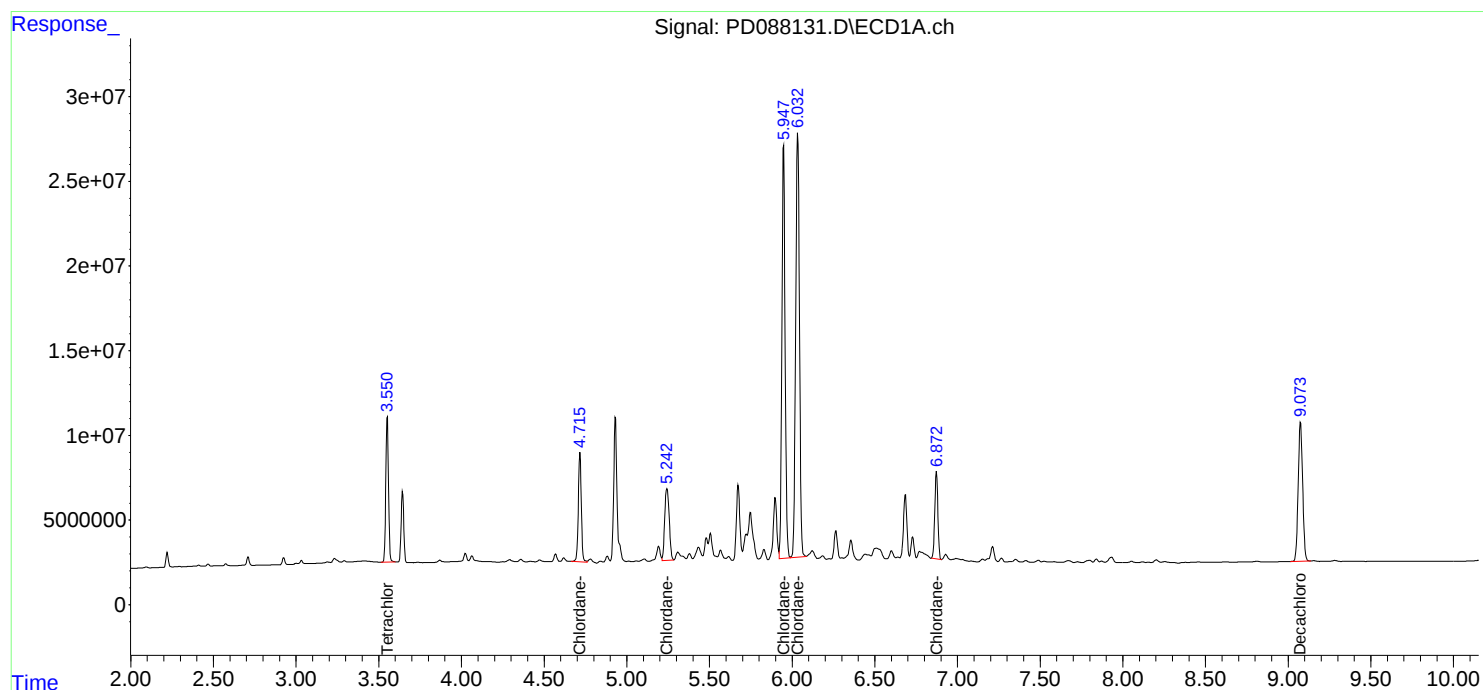
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

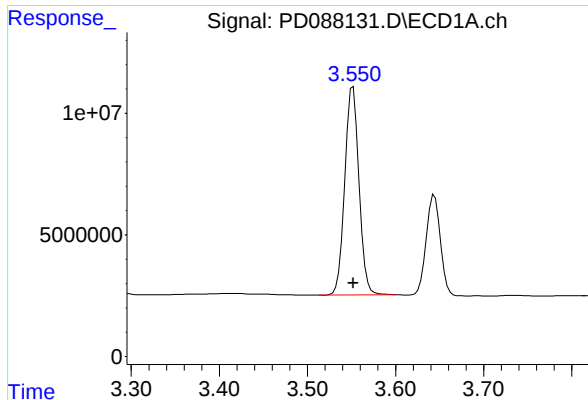
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

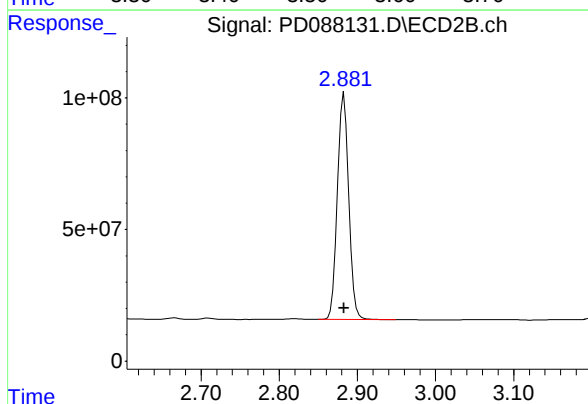




#1 Tetrachloro-m-xylene

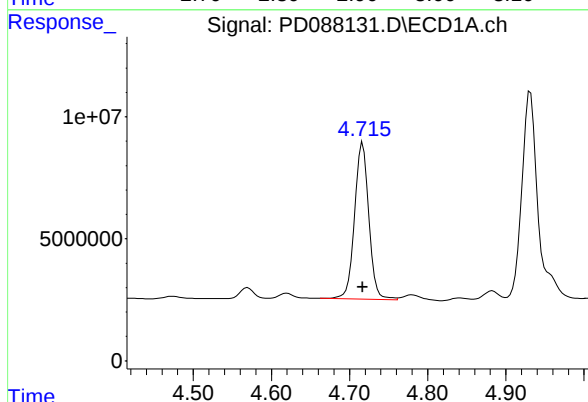
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 96235160
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



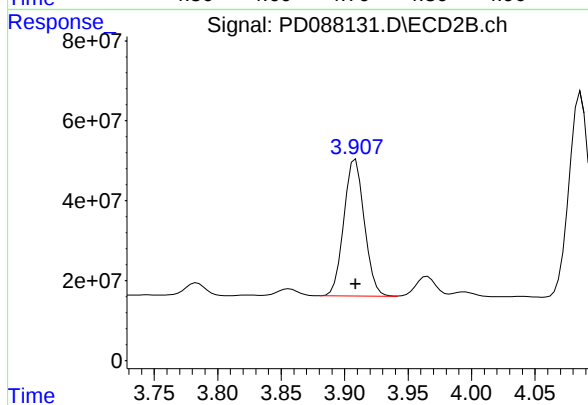
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 865793333
Conc: 50.00 ng/ml



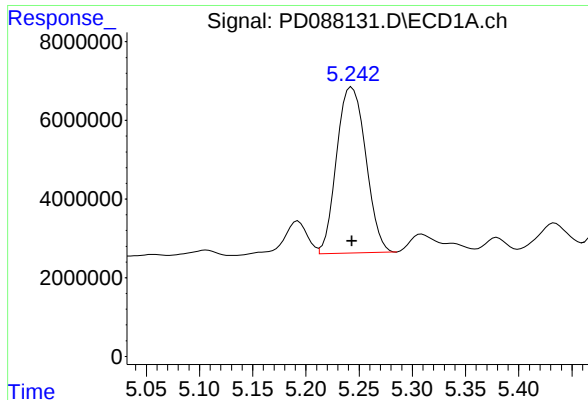
#23 Chlordane-1

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 80997430
Conc: 500.00 ng/ml



#23 Chlordane-1

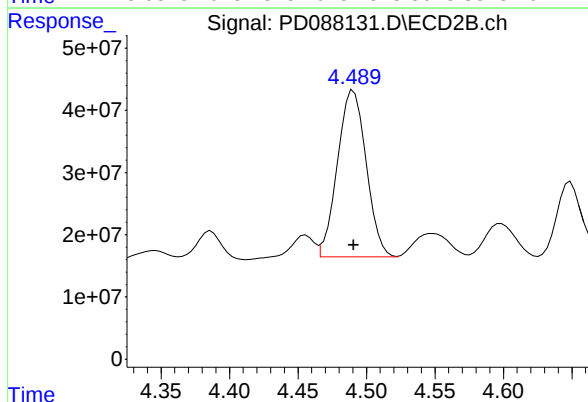
R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 383763688
Conc: 500.00 ng/ml



#24 Chlordane-2

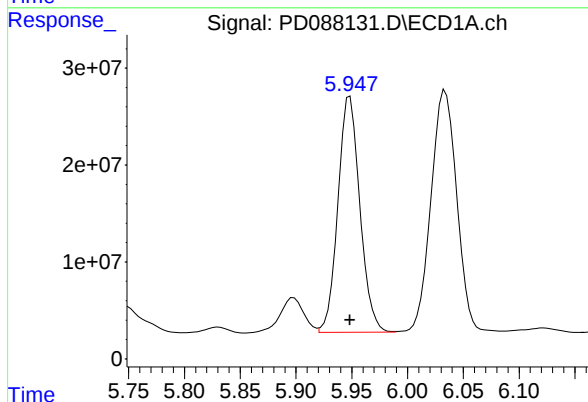
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 80390039
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



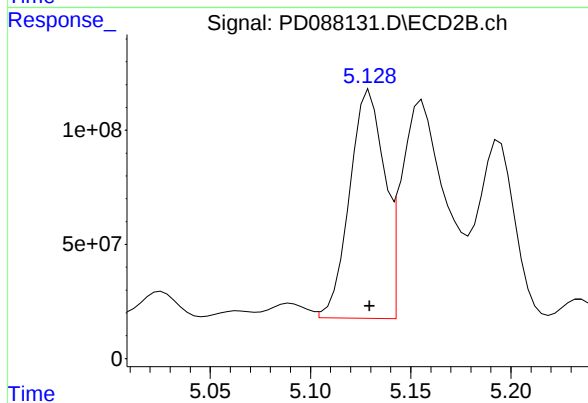
#24 Chlordane-2

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 391540801
Conc: 500.00 ng/ml



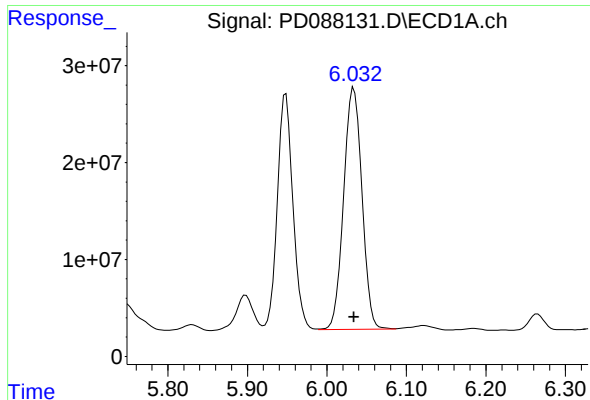
#25 Chlordane-3

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 333092383
Conc: 500.00 ng/ml



#25 Chlordane-3

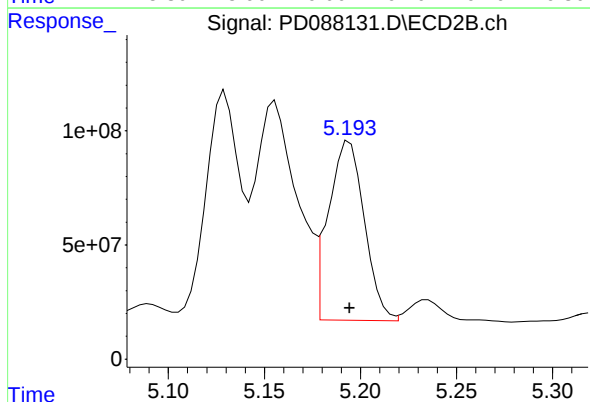
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 1198415456
Conc: 500.00 ng/ml



#26 Chlordane-4

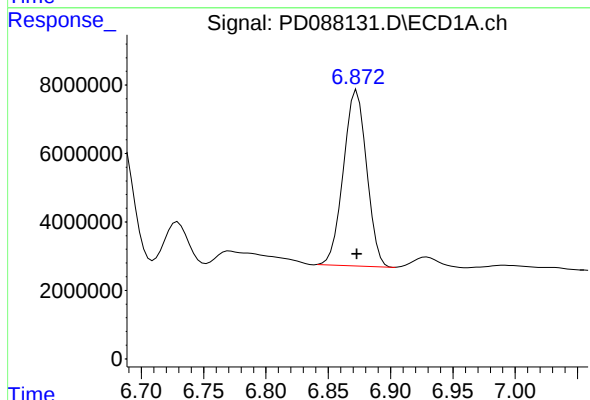
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 398550398
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



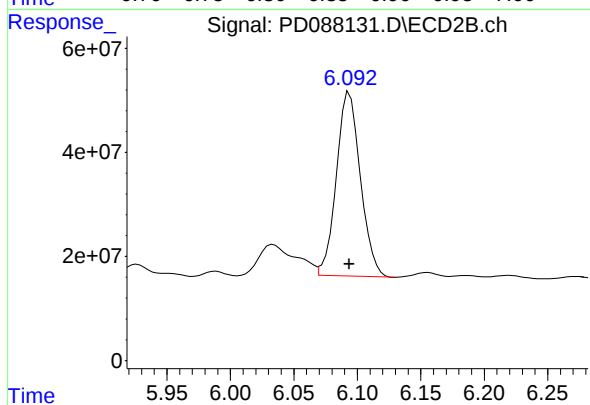
#26 Chlordane-4

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 1015871598
Conc: 500.00 ng/ml



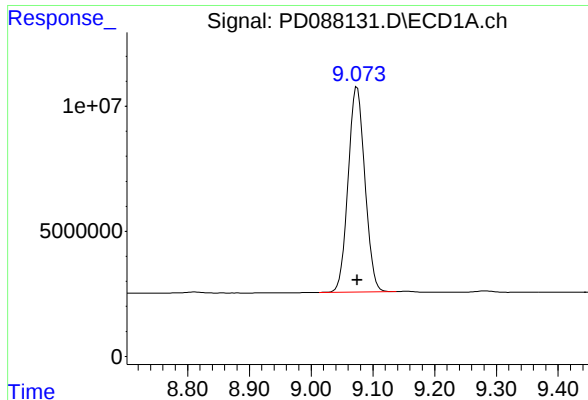
#27 Chlordane-5

R.T.: 6.873 min
Delta R.T.: 0.000 min
Response: 66525644
Conc: 500.00 ng/ml



#27 Chlordane-5

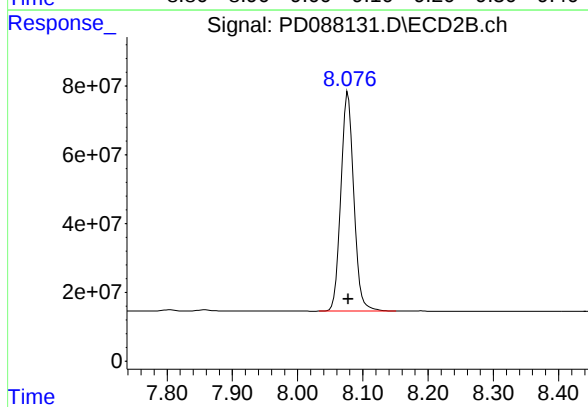
R.T.: 6.094 min
Delta R.T.: 0.000 min
Response: 465775552
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 154594960
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 878285751
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088136.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 16:40
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:17:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:16:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

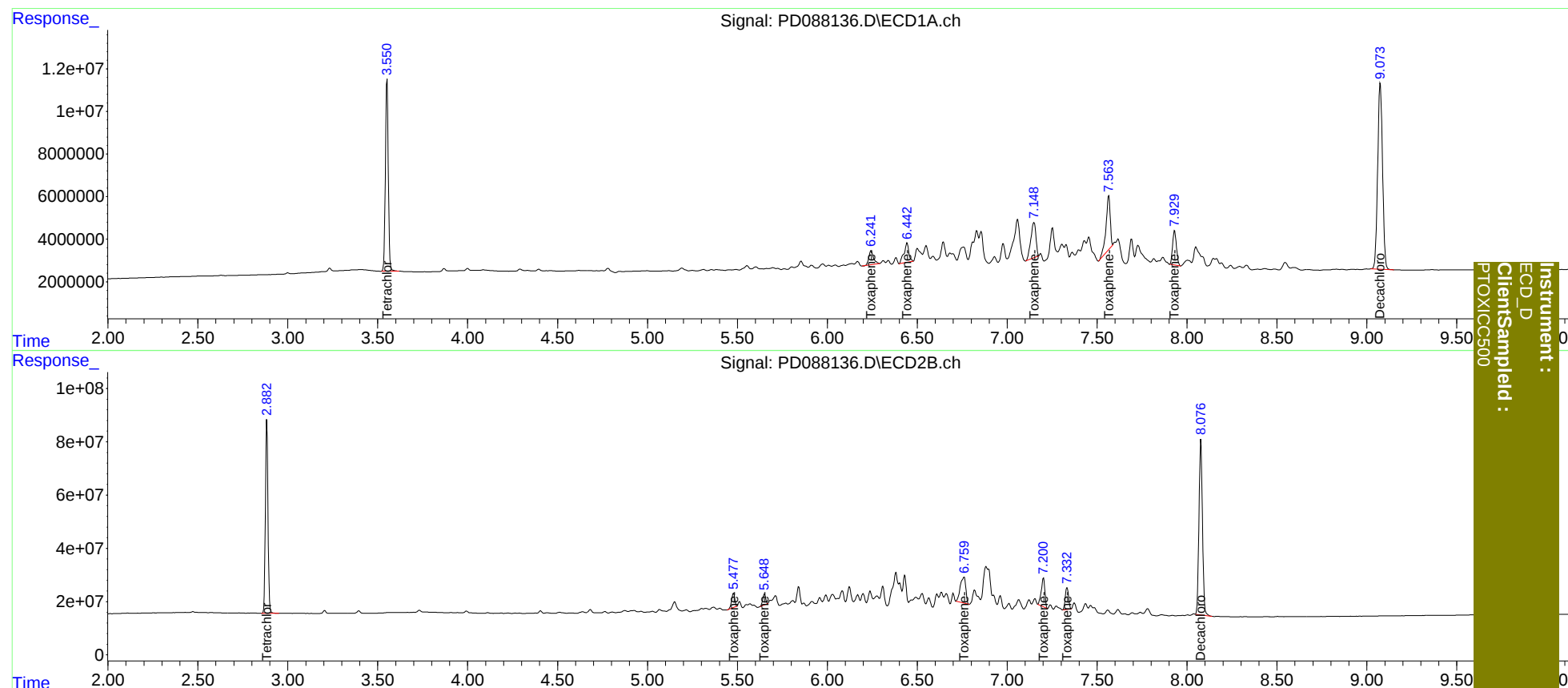
System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	101.0E6	721.8E6	50.000	50.000
7) SA Decachlor...	9.074	8.077	164.9E6	890.5E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.243	5.479	11798963	65341019	500.000	500.000
3) Toxaphene-2	6.443	5.650	17032300	44756730	500.000	500.000
4) Toxaphene-3	7.149	6.760	32663151	208.7E6	500.000	500.000
5) Toxaphene-4	7.565	7.202	41022693	151.5E6	500.000	500.000
6) Toxaphene-5	7.931	7.333	23857581	103.9E6	500.000	500.000

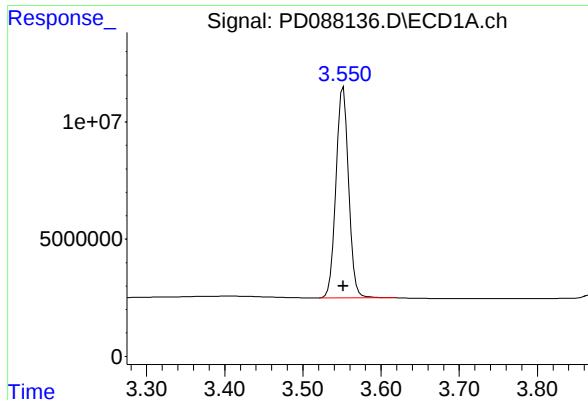
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 16:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:17:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

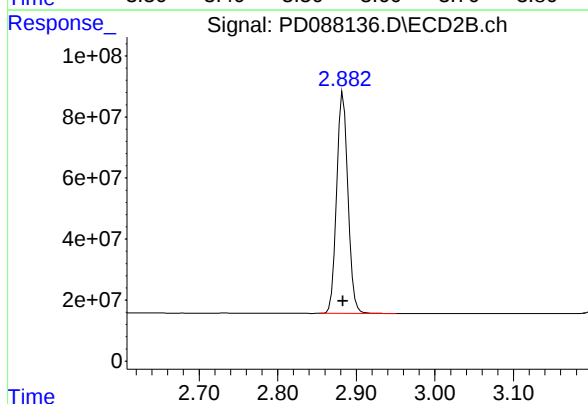




#1 Tetrachloro-m-xylene

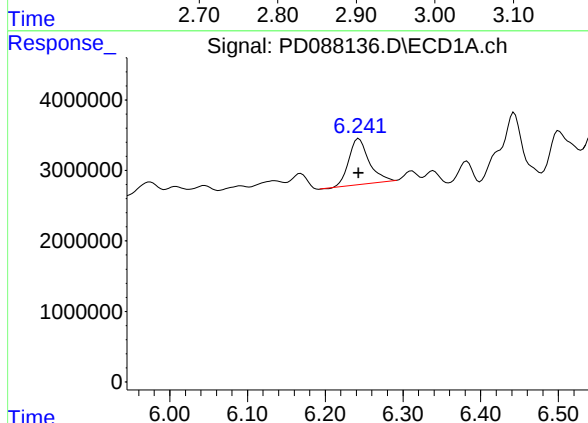
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 101048762
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



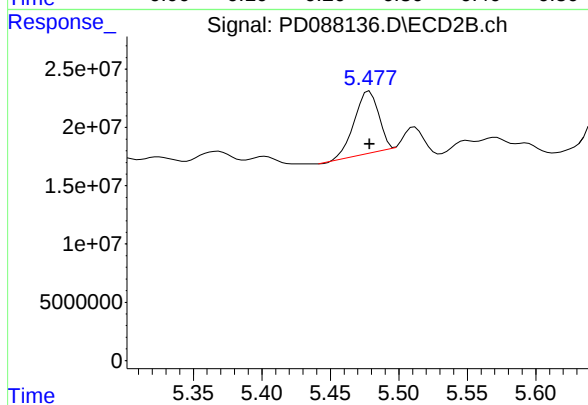
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 721814144
Conc: 50.00 ng/ml



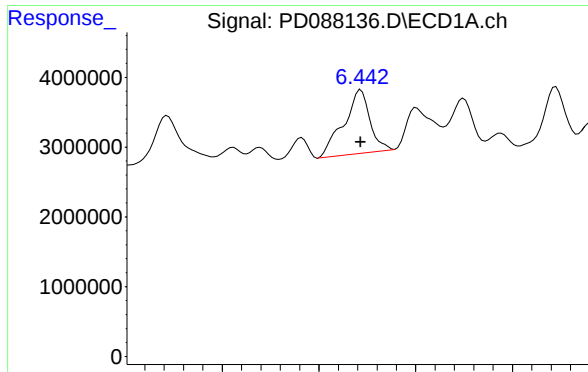
#2 Toxaphene-1

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 11798963
Conc: 500.00 ng/ml



#2 Toxaphene-1

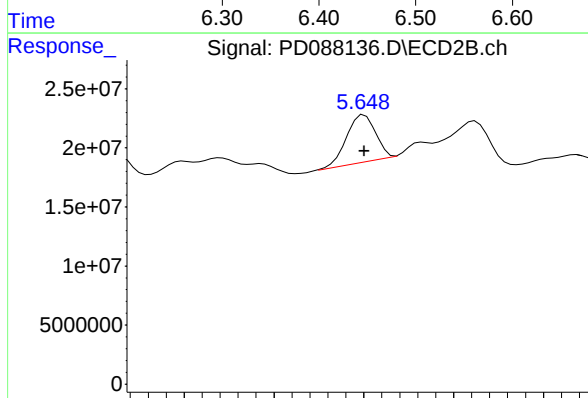
R.T.: 5.479 min
Delta R.T.: 0.000 min
Response: 65341019
Conc: 500.00 ng/ml



#3 Toxaphene-2

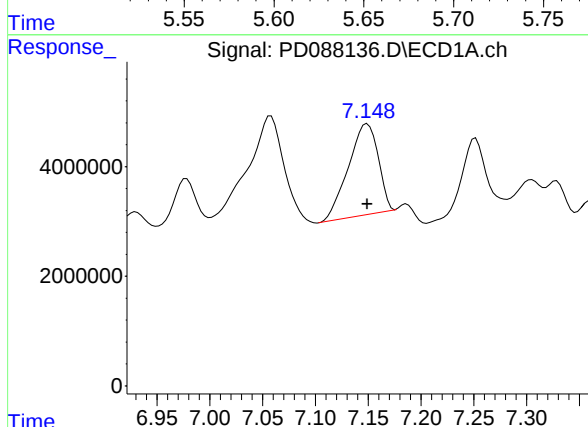
R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 17032300
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



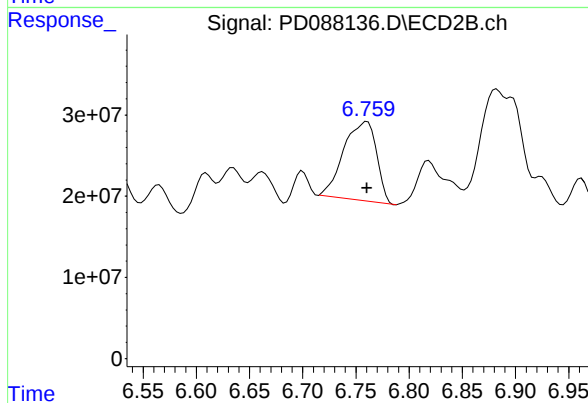
#3 Toxaphene-2

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 44756730
Conc: 500.00 ng/ml



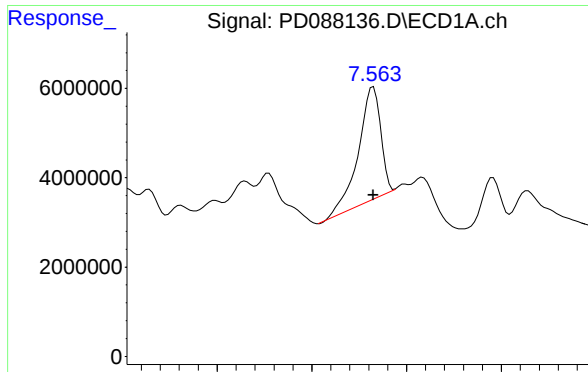
#4 Toxaphene-3

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 32663151
Conc: 500.00 ng/ml



#4 Toxaphene-3

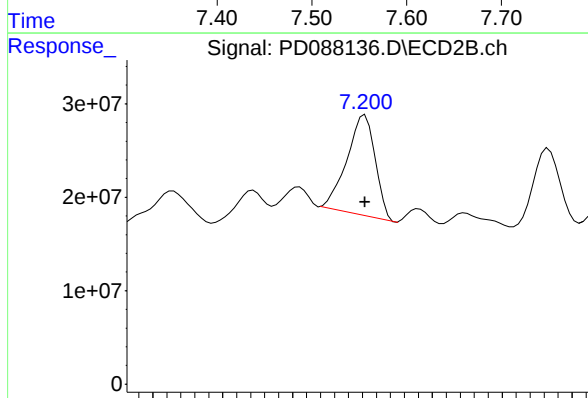
R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 208675981
Conc: 500.00 ng/ml



#5 Toxaphene-4

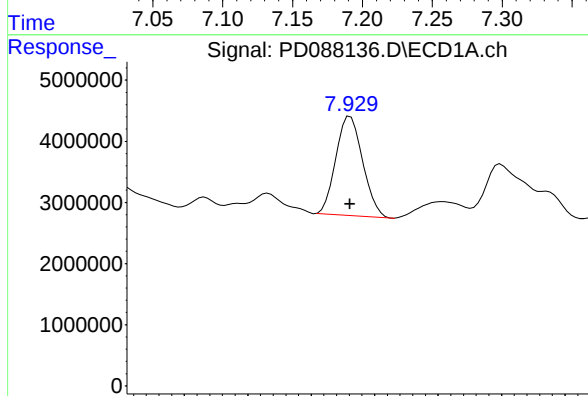
R.T.: 7.565 min
Delta R.T.: 0.000 min
Response: 41022693
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



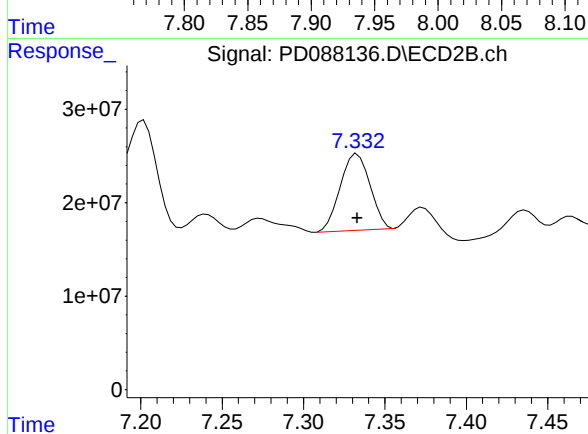
#5 Toxaphene-4

R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 151455448
Conc: 500.00 ng/ml



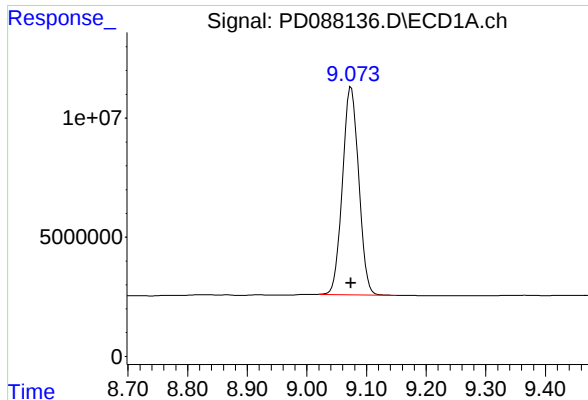
#6 Toxaphene-5

R.T.: 7.931 min
Delta R.T.: 0.000 min
Response: 23857581
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 103880468
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.074 min

Delta R.T.: 0.000 min

Response: 164915640

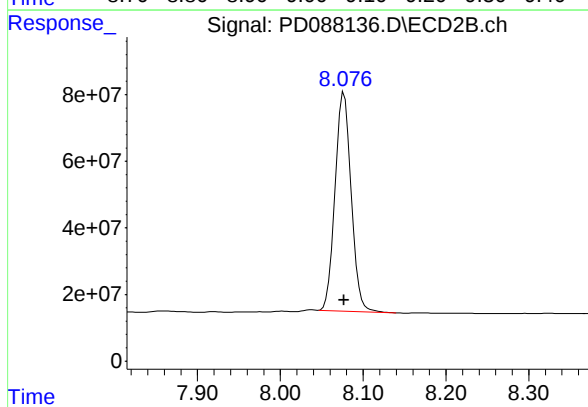
Conc: 50.00 ng/ml

Instrument :

ECD_D

ClientSampleId :

PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.077 min

Delta R.T.: 0.000 min

Response: 890483655

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088139.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:21
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	98011498	705.8E6	50.556	50.375
28) SA Decachlor...	9.074	8.076	156.5E6	873.1E6	49.237	49.975
Target Compounds						
2) A alpha-BHC	4.001	3.396	221.4E6	1115.2E6	51.003	50.483
3) MA gamma-BHC...	4.332	3.732	211.2E6	1037.4E6	50.823	50.460
4) MA Heptachlor	4.931	4.086	202.0E6	1034.4E6	50.784	50.400
5) MB Aldrin	5.273	4.372	199.5E6	1010.7E6	50.990	50.536
6) B beta-BHC	4.516	4.028	80388581	446.0E6	50.911	50.415
7) B delta-BHC	4.765	4.265	207.4E6	1030.8E6	50.892	50.347
8) B Heptachlo...	5.693	4.876	177.5E6	911.0E6	50.911	50.388
9) A Endosulfan I	6.076	5.250	167.8E6	870.5E6	50.788	50.475
10) B gamma-Chl...	5.947	5.129	179.7E6	979.0E6	50.819	50.365
11) B alpha-Chl...	6.028	5.194	179.5E6	945.1E6	50.851	50.389
12) B 4,4'-DDE	6.197	5.379	162.4E6	948.3E6	50.132	50.246
13) MA Dieldrin	6.349	5.516	179.4E6	966.1E6	50.821	50.456
14) MA Endrin	6.576	5.792	148.1E6	879.3E6	50.462	50.348
15) B Endosulfa...	6.787	6.084	151.1E6	841.2E6	50.228	50.256
16) A 4,4'-DDD	6.706	5.933	124.5E6	794.4E6	49.895	50.303
17) MA 4,4'-DDT	7.022	6.187	137.1E6	844.1E6	49.781	50.406
18) B Endrin al...	6.916	6.262	112.7E6	640.6E6	50.151	50.415
19) B Endosulfa...	7.150	6.486	140.8E6	824.1E6	50.153	50.192
20) A Methoxychlor	7.494	6.758	73171542	444.8E6	49.850	50.322
21) B Endrin ke...	7.631	6.994	151.9E6	901.7E6	50.003	50.358
22) Mirex	8.115	7.189	112.8E6	707.4E6	50.149	50.451

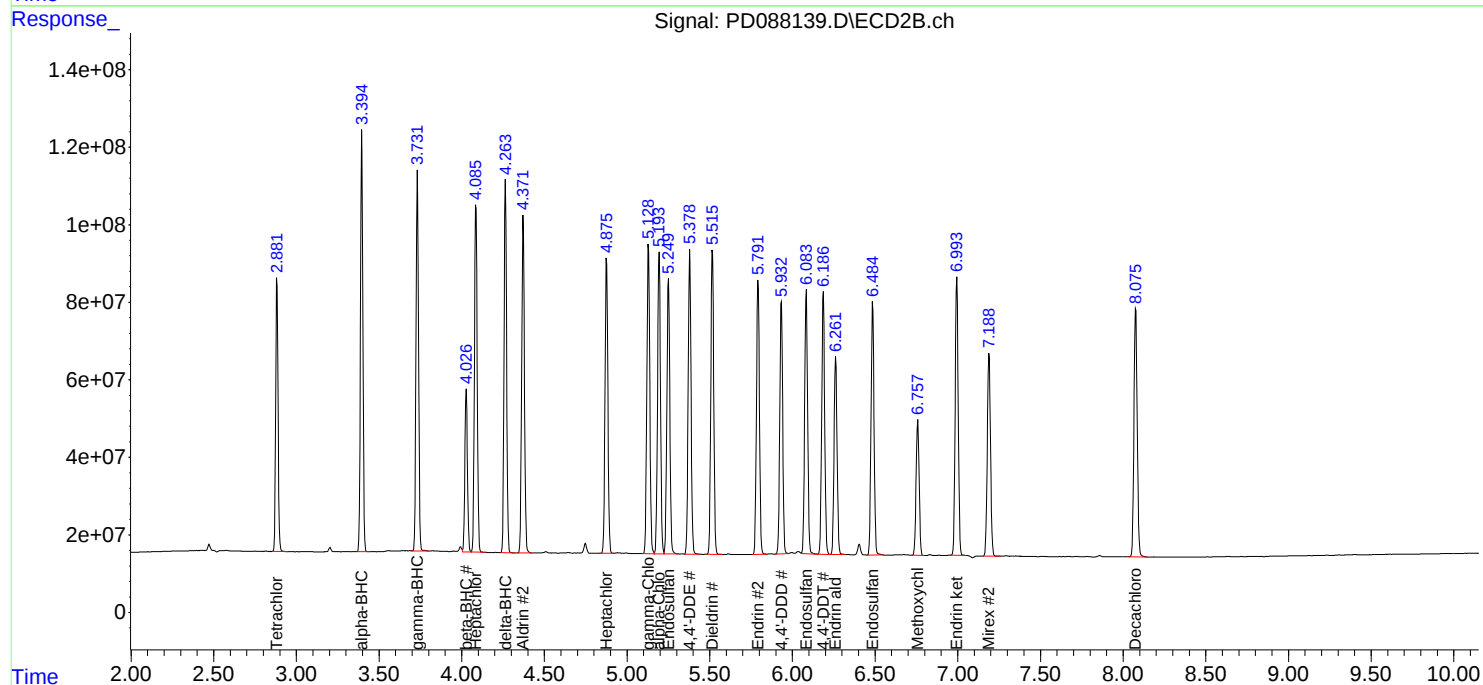
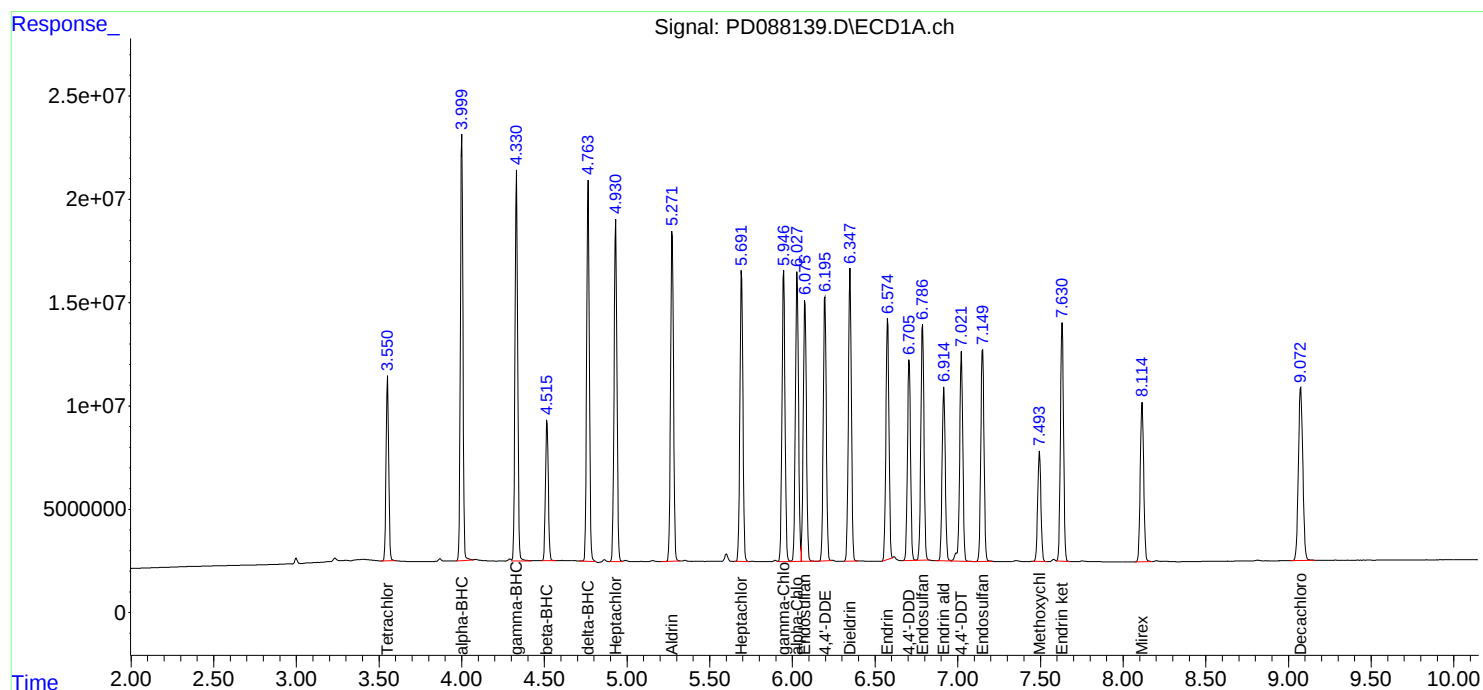
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

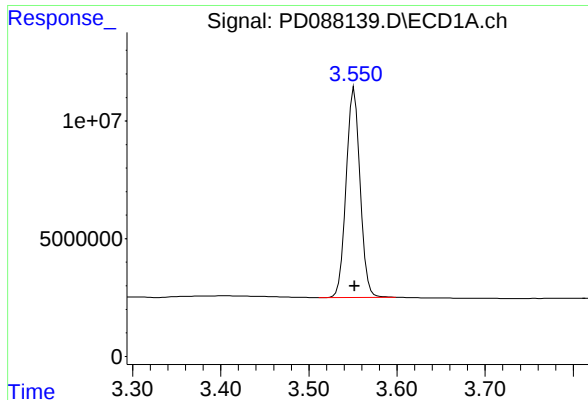
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

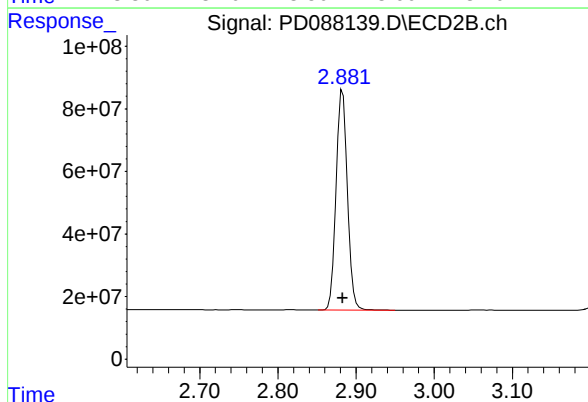




#1 Tetrachloro-m-xylene

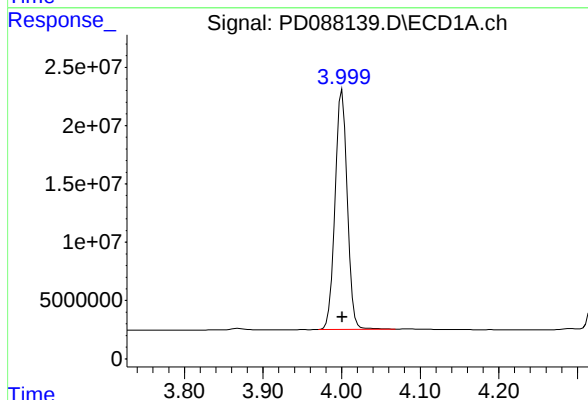
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 98011498
Conc: 50.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



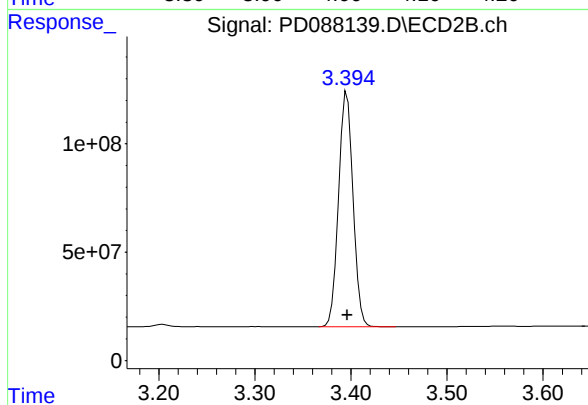
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 705799017
Conc: 50.38 ng/ml



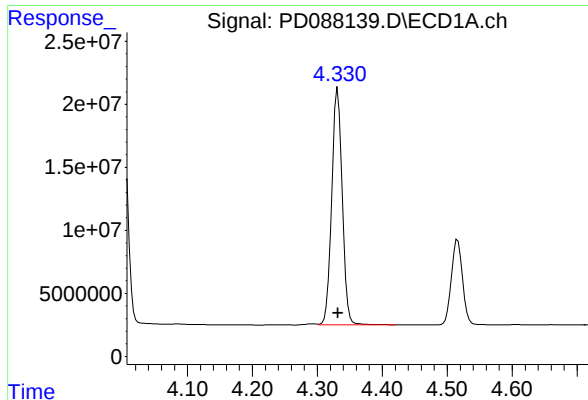
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 221393497
Conc: 51.00 ng/ml



#2 alpha-BHC

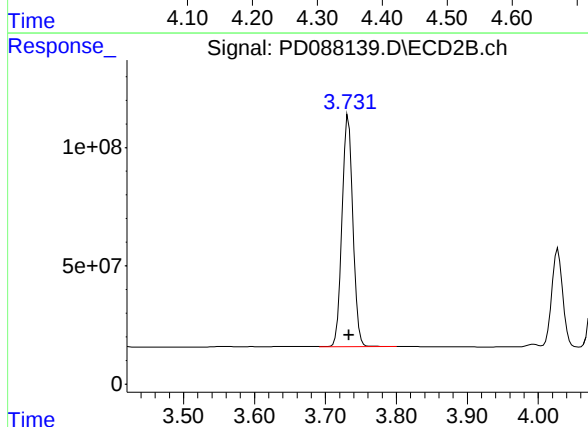
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1115182069
Conc: 50.48 ng/ml



#3 gamma-BHC (Lindane)

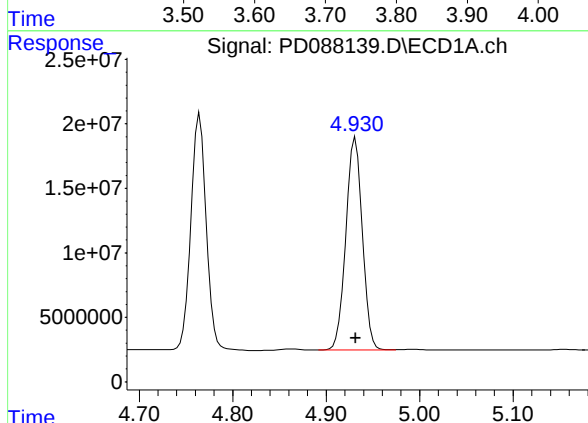
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 211172809
Conc: 50.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



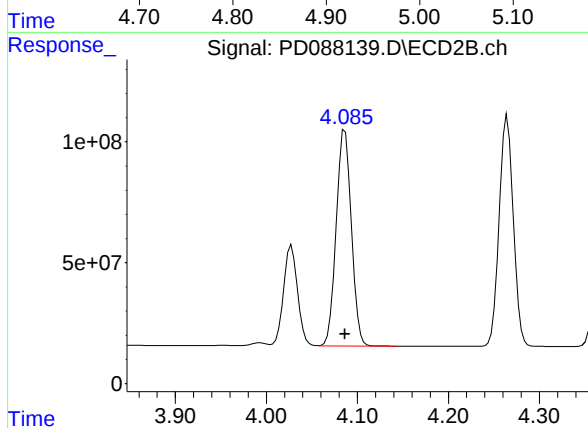
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 1037364888
Conc: 50.46 ng/ml



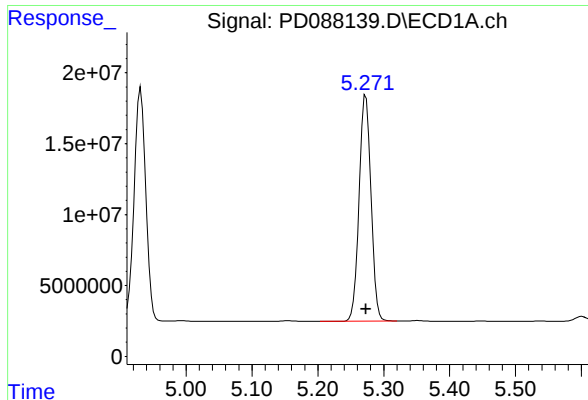
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 202030295
Conc: 50.78 ng/ml



#4 Heptachlor

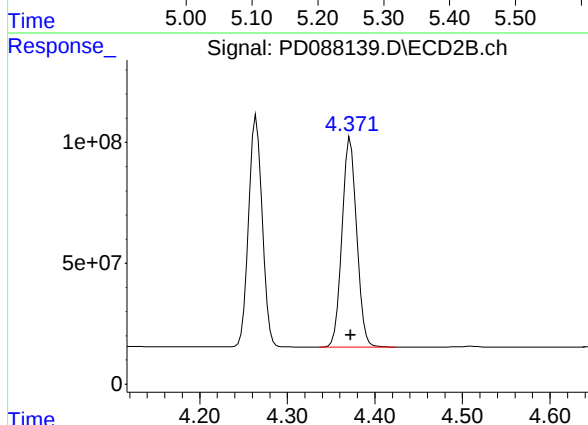
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 1034351060
Conc: 50.40 ng/ml



#5 Aldrin

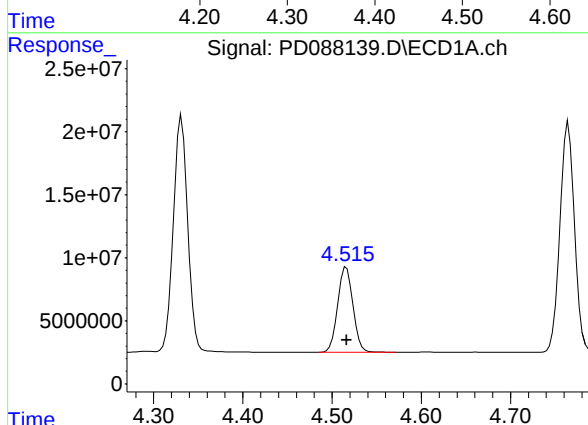
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 199461912
Conc: 50.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



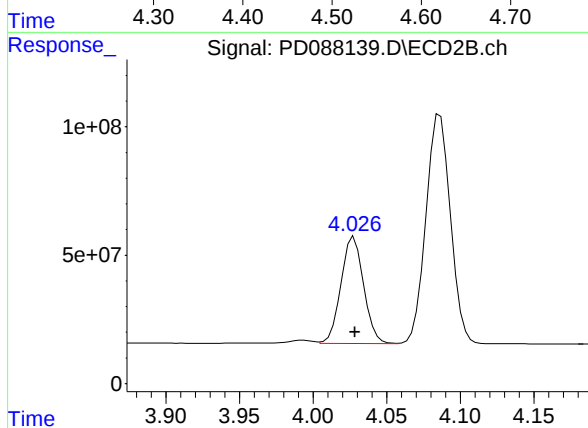
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 1010715251
Conc: 50.54 ng/ml



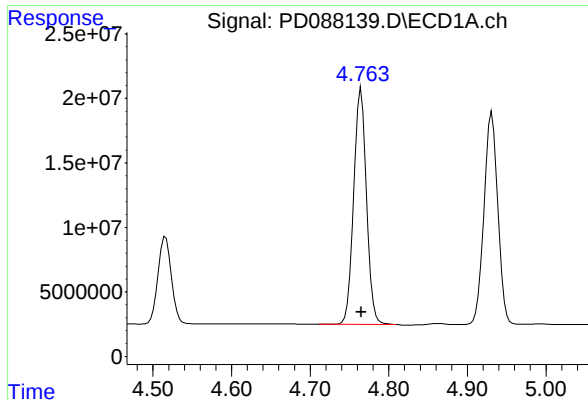
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 80388581
Conc: 50.91 ng/ml



#6 beta-BHC

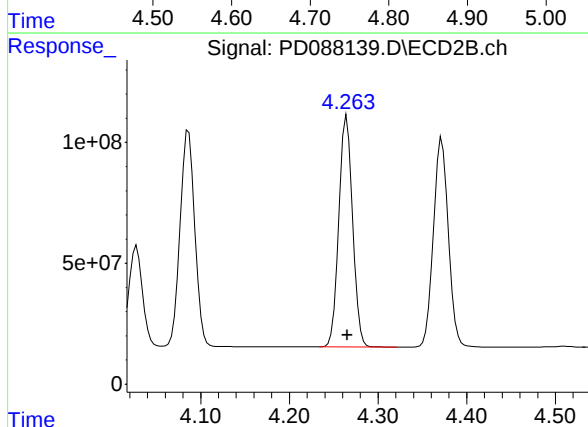
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 446043651
Conc: 50.41 ng/ml



#7 delta-BHC

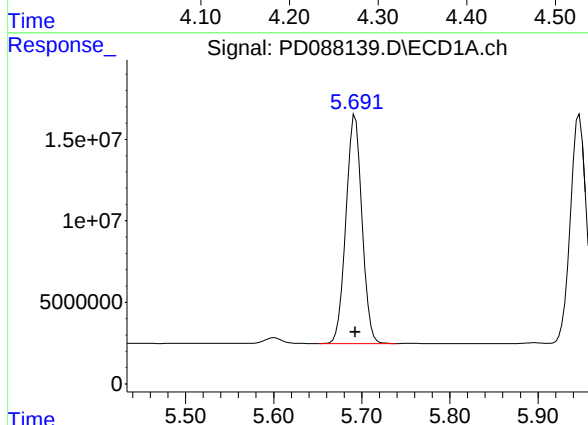
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 207423973
Conc: 50.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



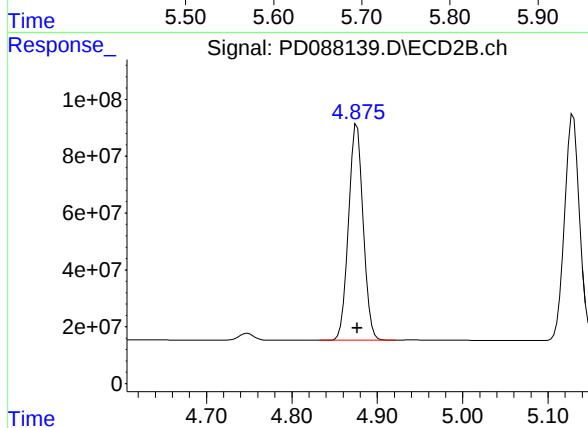
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1030781264
Conc: 50.35 ng/ml



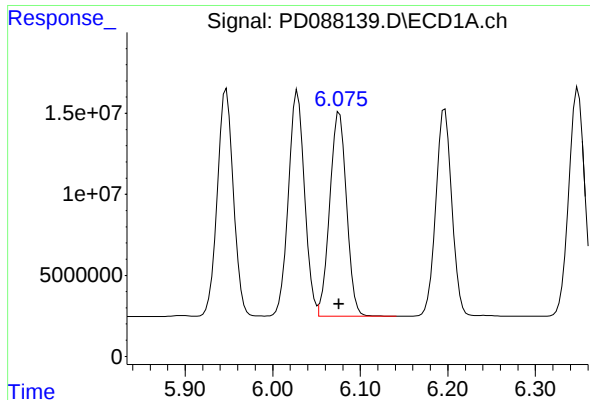
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 177493487
Conc: 50.91 ng/ml



#8 Heptachlor epoxide

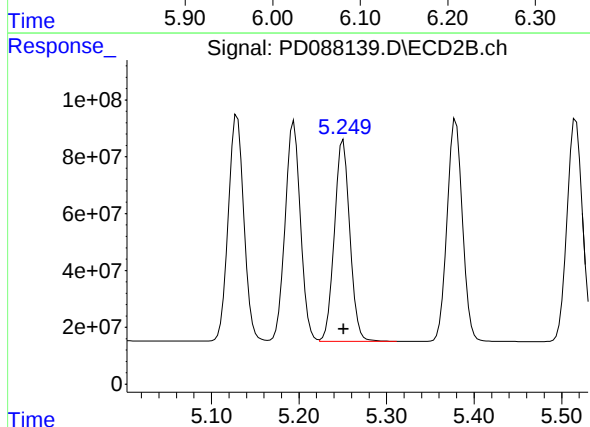
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 911005145
Conc: 50.39 ng/ml



#9 Endosulfan I

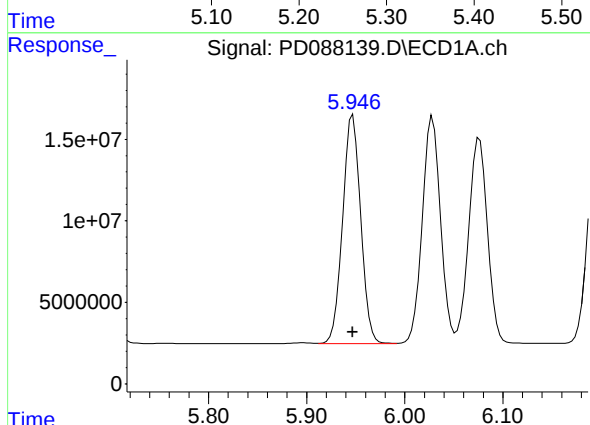
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 167805814
Conc: 50.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



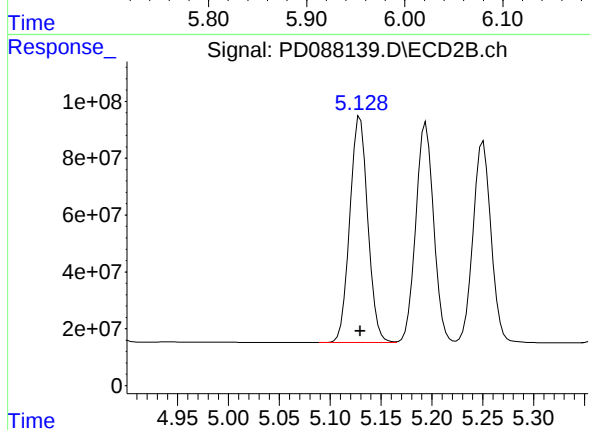
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 870518271
Conc: 50.47 ng/ml



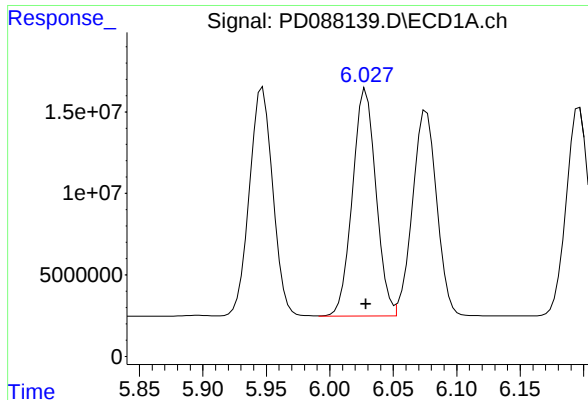
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 179709841
Conc: 50.82 ng/ml



#10 gamma-Chlordane

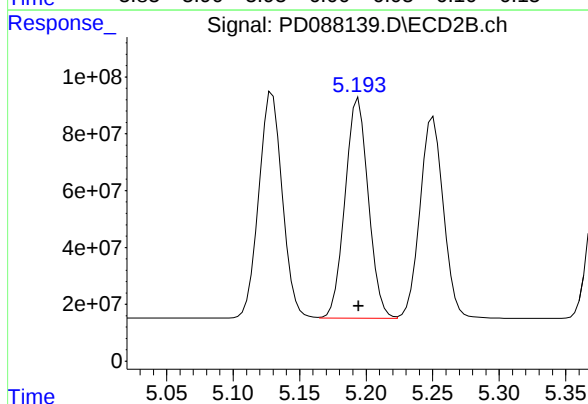
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 978964409
Conc: 50.37 ng/ml



#11 alpha-Chlordane

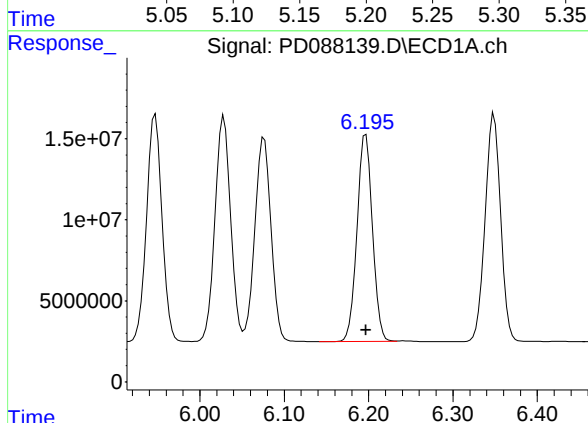
R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 179481003
Conc: 50.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



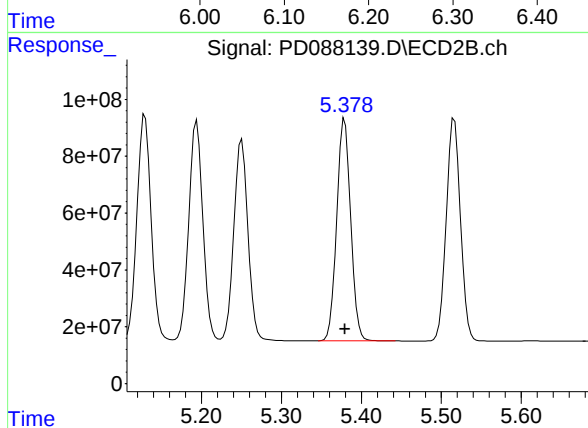
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 945050788
Conc: 50.39 ng/ml



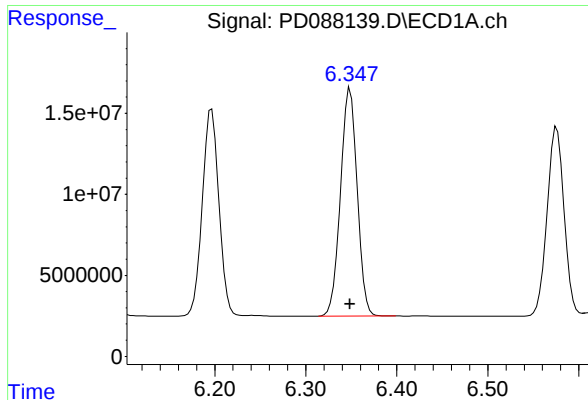
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 162434278
Conc: 50.13 ng/ml



#12 4,4'-DDE

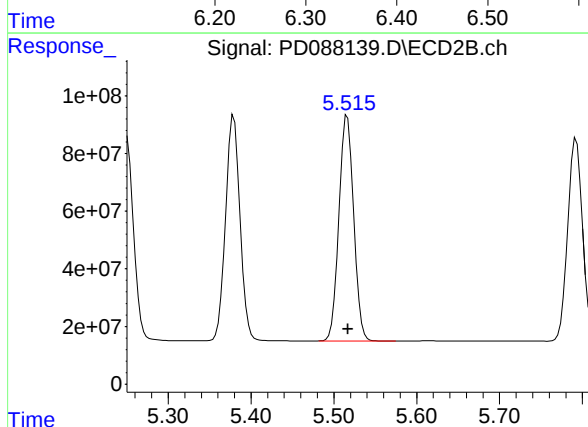
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 948273116
Conc: 50.25 ng/ml



#13 Dieldrin

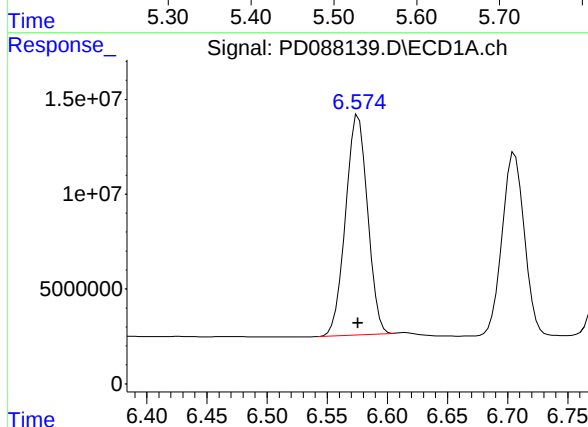
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 179415992
Conc: 50.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



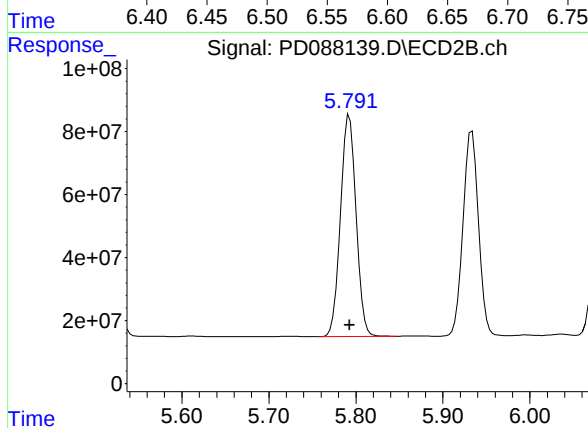
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 966053487
Conc: 50.46 ng/ml



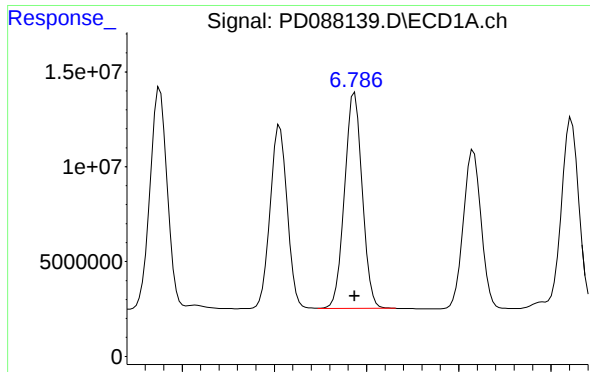
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 148128679
Conc: 50.46 ng/ml



#14 Endrin

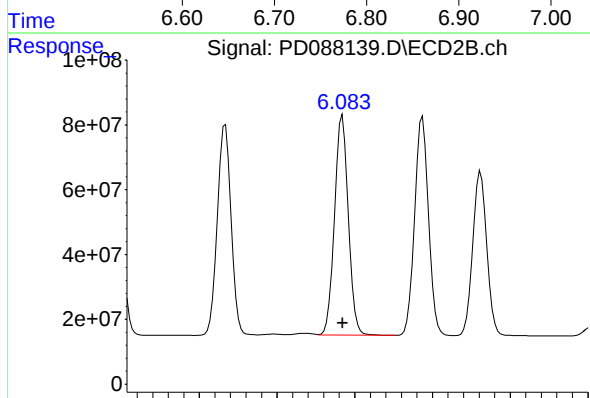
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 879301553
Conc: 50.35 ng/ml



#15 Endosulfan II

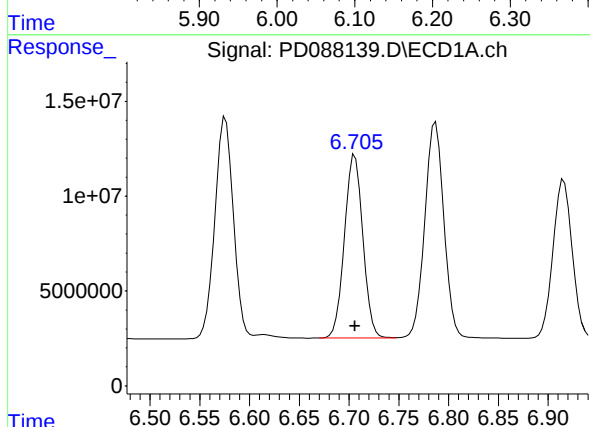
R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 151062142
Conc: 50.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



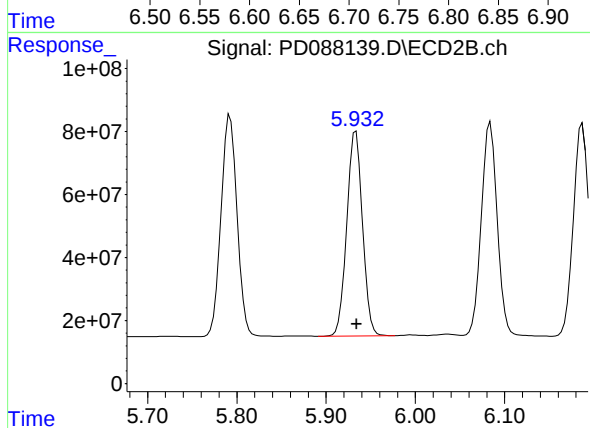
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 841171462
Conc: 50.26 ng/ml



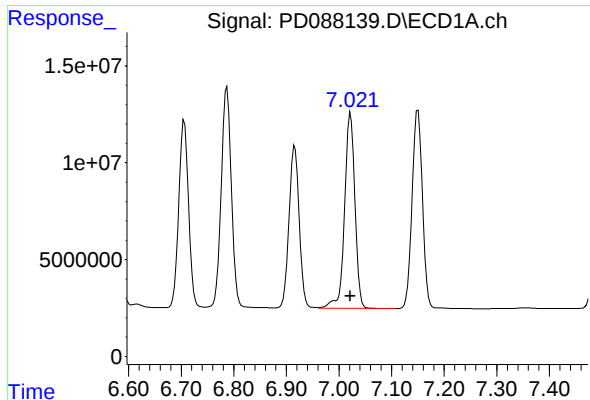
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 124488365
Conc: 49.90 ng/ml



#16 4,4'-DDD

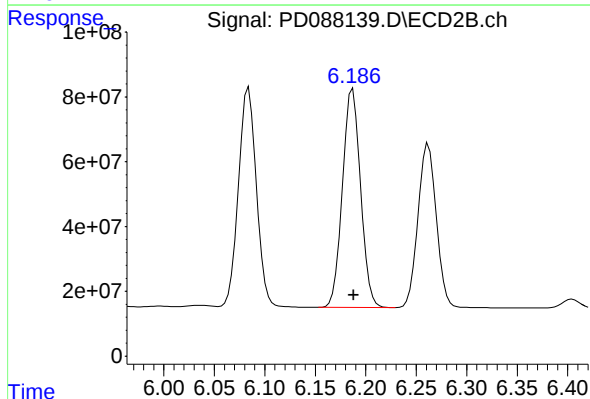
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 794389777
Conc: 50.30 ng/ml



#17 4,4'-DDT

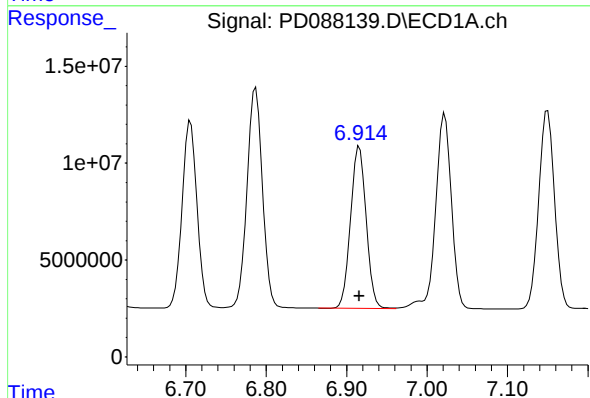
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 137147926
Conc: 49.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



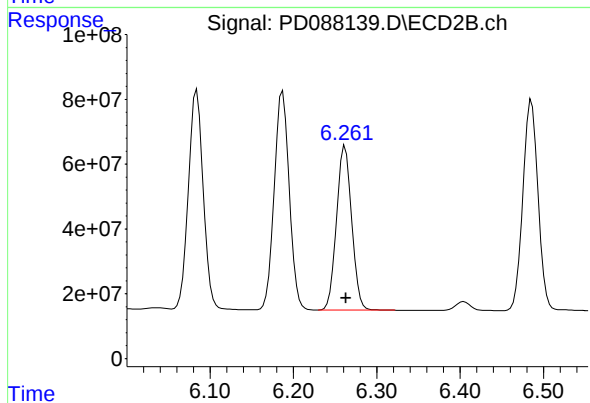
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 844081929
Conc: 50.41 ng/ml



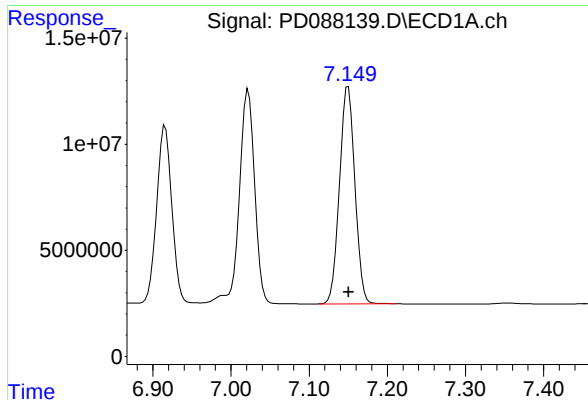
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 112683671
Conc: 50.15 ng/ml



#18 Endrin aldehyde

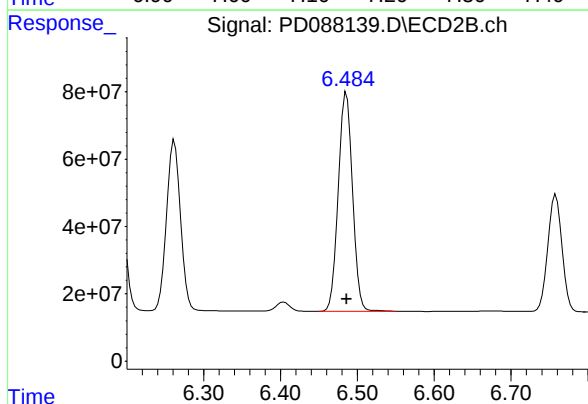
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 640639261
Conc: 50.42 ng/ml



#19 Endosulfan Sulfate

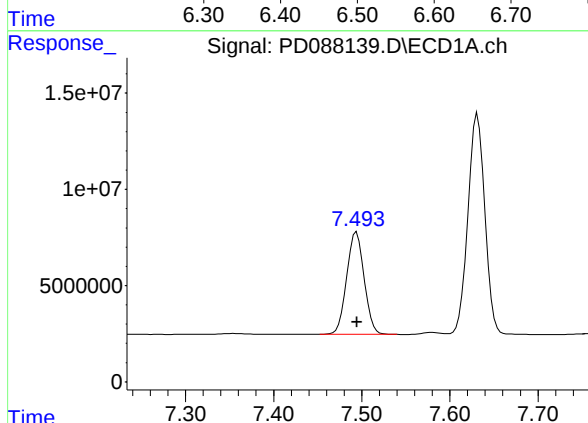
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 140809310
Conc: 50.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



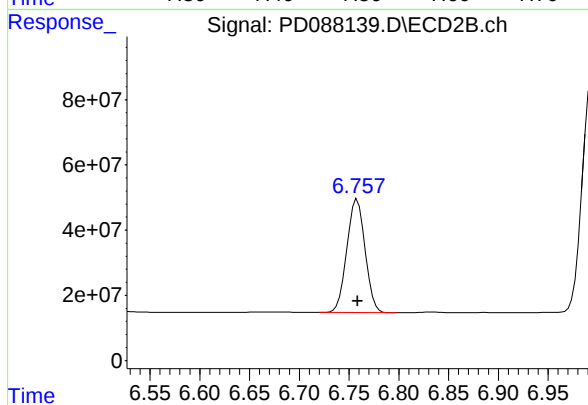
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 824122810
Conc: 50.19 ng/ml



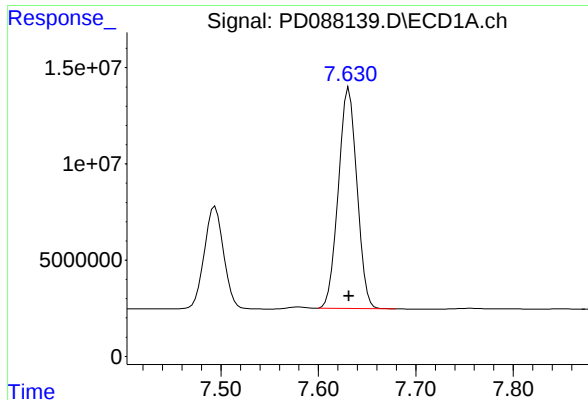
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 73171542
Conc: 49.85 ng/ml



#20 Methoxychlor

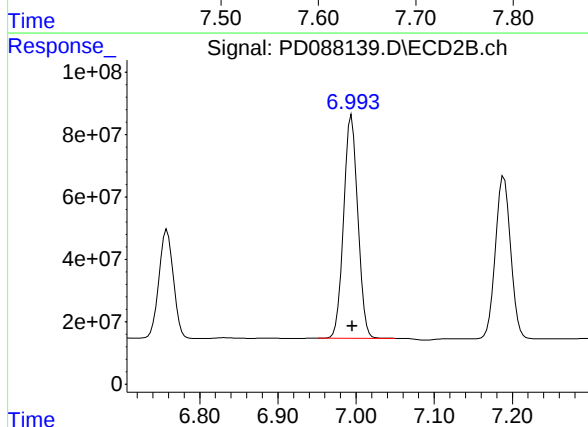
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 444804071
Conc: 50.32 ng/ml



#21 Endrin ketone

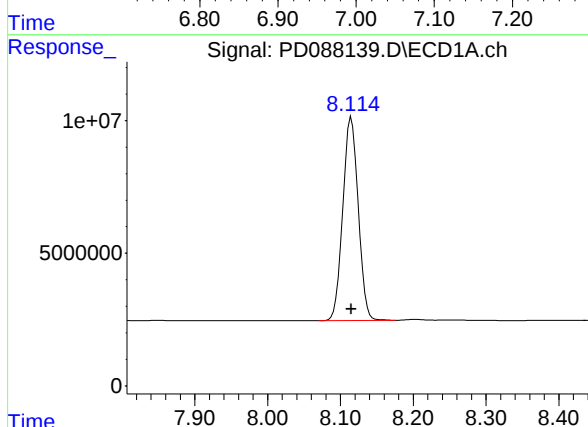
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 151883561
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



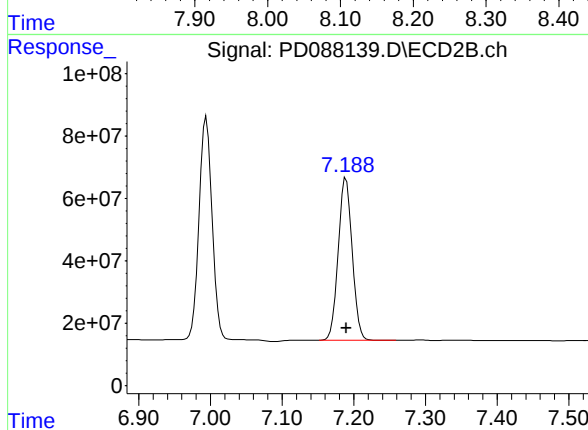
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: 0.000 min
Response: 901676600
Conc: 50.36 ng/ml



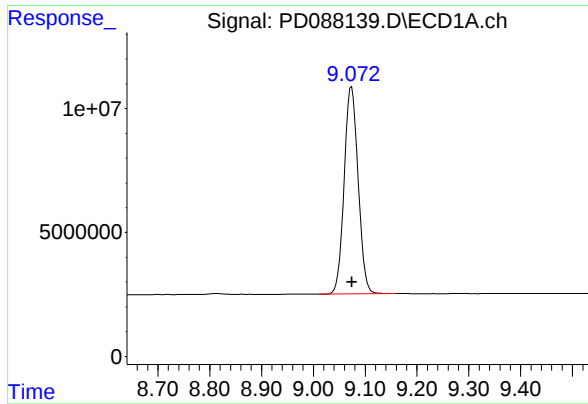
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 112817583
Conc: 50.15 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 707411755
Conc: 50.45 ng/ml

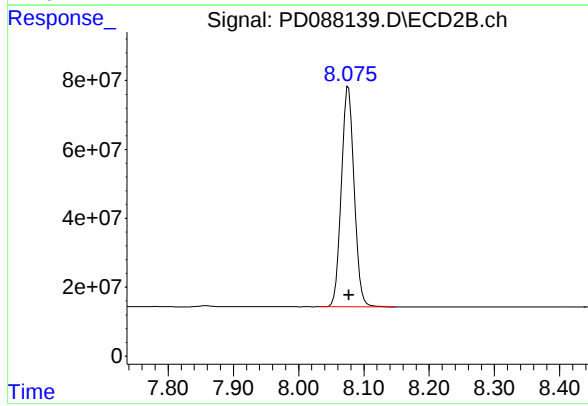


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 156483013
Conc: 49.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 873072499
Conc: 49.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088140.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:35
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 05:48:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 05:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	98326390	875.4E6	51.087	50.557
28) SA Decachlor...	9.073	8.076	155.6E6	883.8E6	50.337	50.312
Target Compounds						
23) Chlordane-1	4.716	3.908	83912348	391.8E6	517.994	510.427
24) Chlordane-2	5.243	4.490	83436128	397.6E6	518.946	507.710
25) Chlordane-3	5.948	5.129	344.9E6	1215.6E6	517.682	507.183
26) Chlordane-4	6.034	5.193	413.5E6	1029.1E6	518.799	506.534
27) Chlordane-5	6.872	6.093	67686335	471.4E6	508.724	506.043

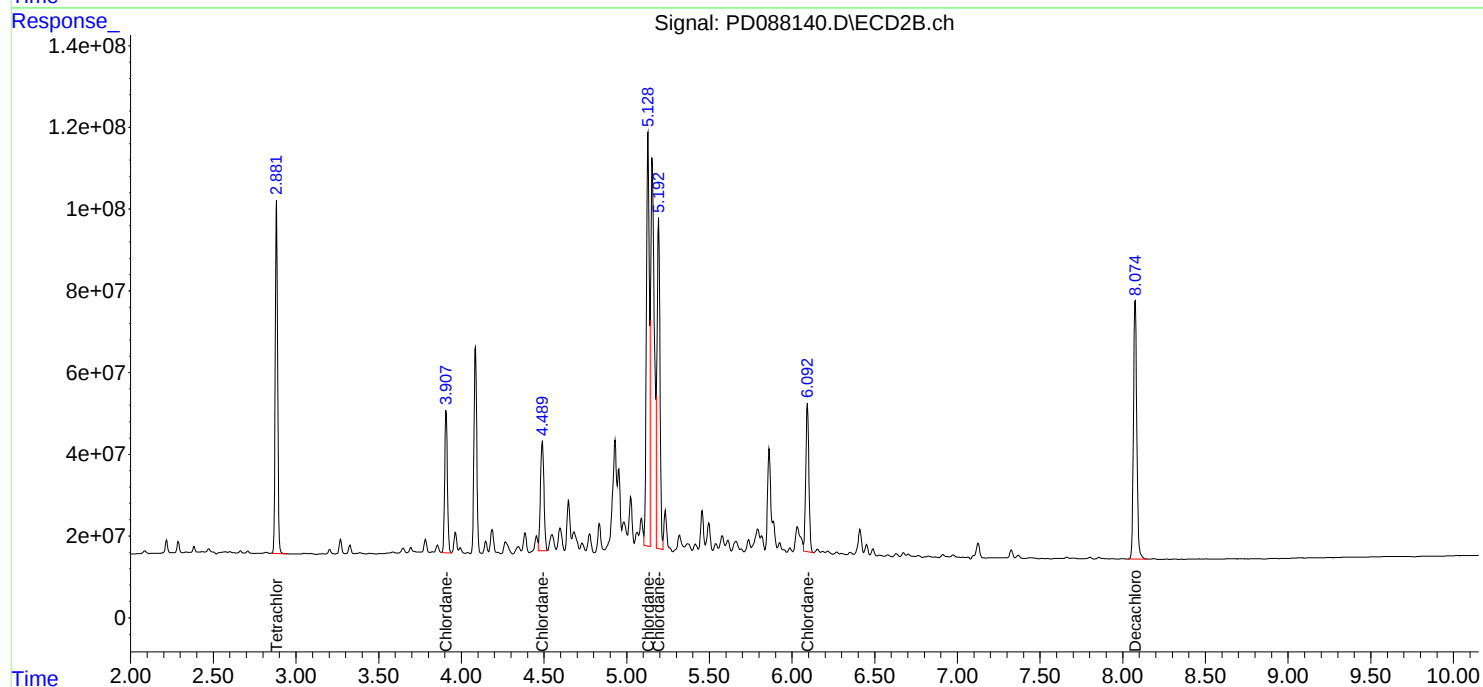
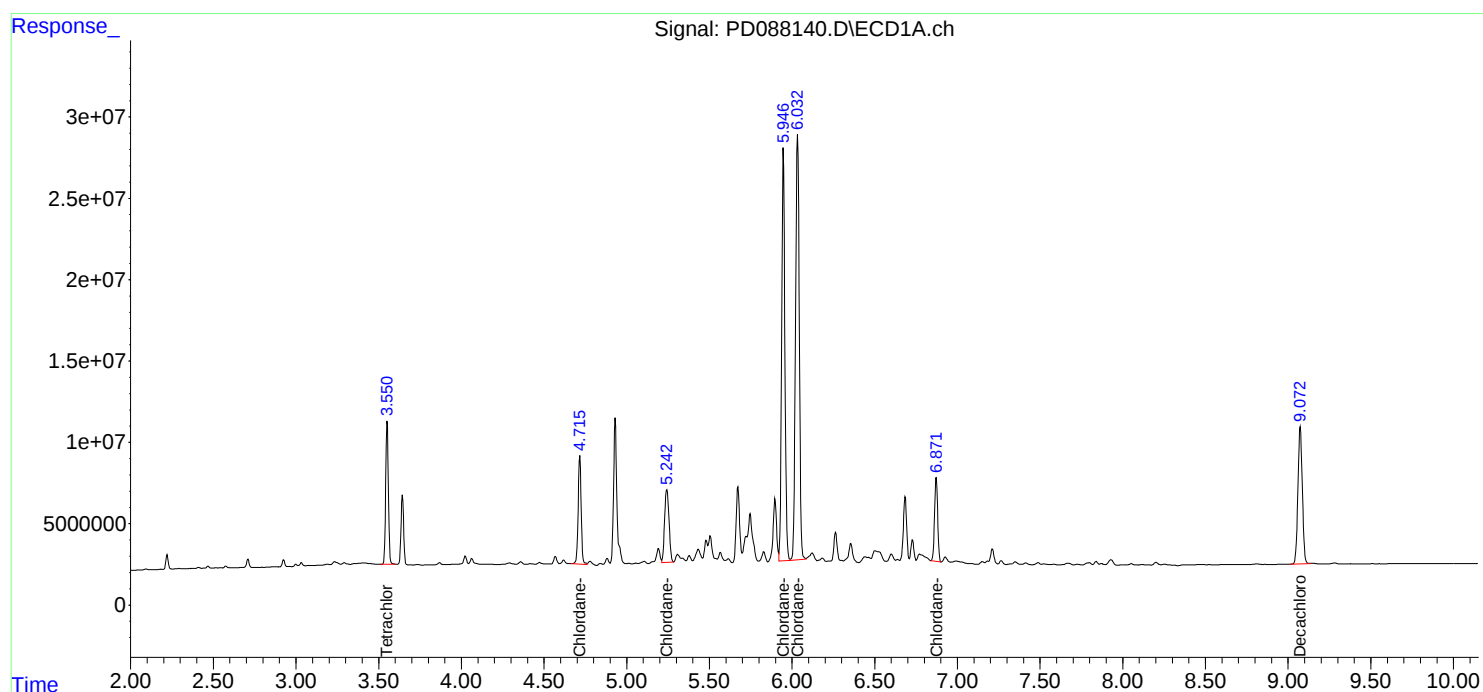
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

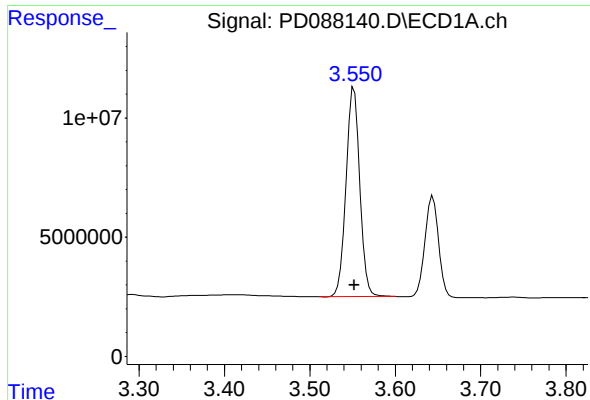
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

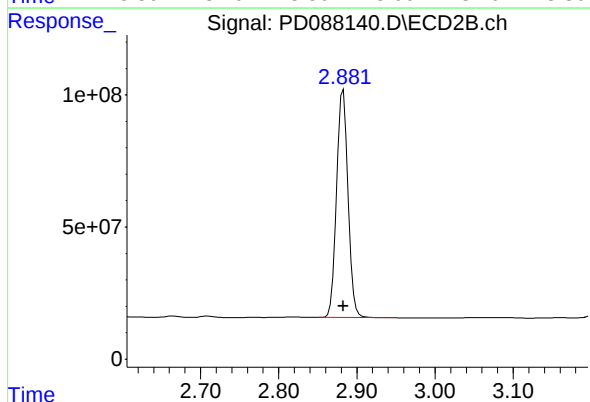




#1 Tetrachloro-m-xylene

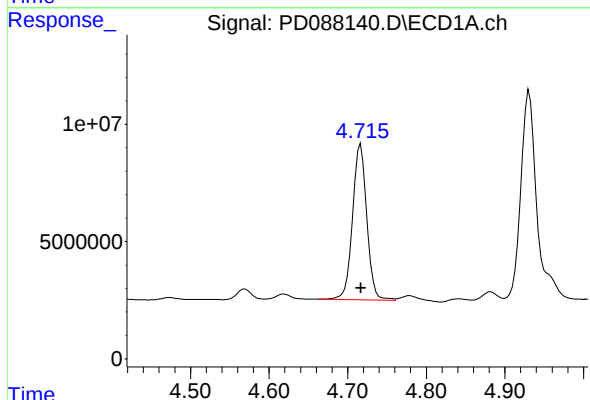
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 98326390
Conc: 51.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR



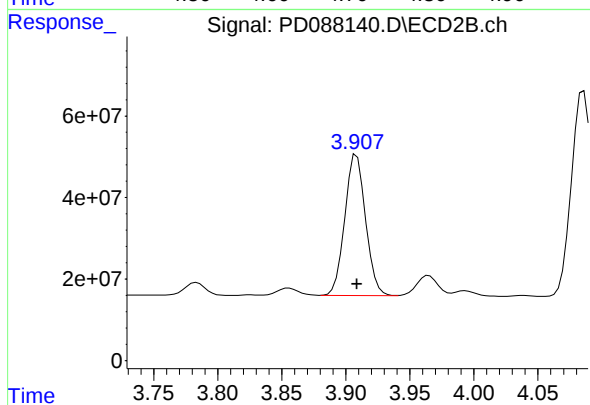
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 875444866
Conc: 50.56 ng/ml



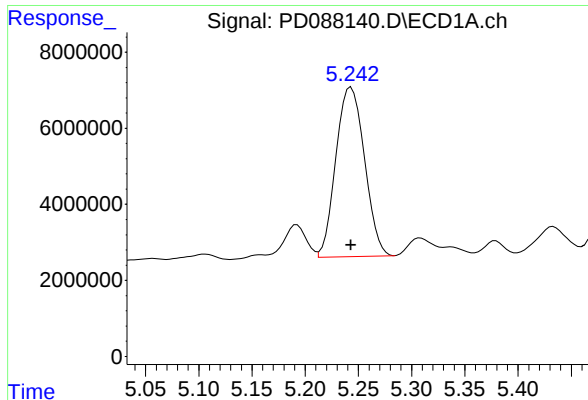
#23 Chlordane-1

R.T.: 4.716 min
Delta R.T.: 0.000 min
Response: 83912348
Conc: 517.99 ng/ml



#23 Chlordane-1

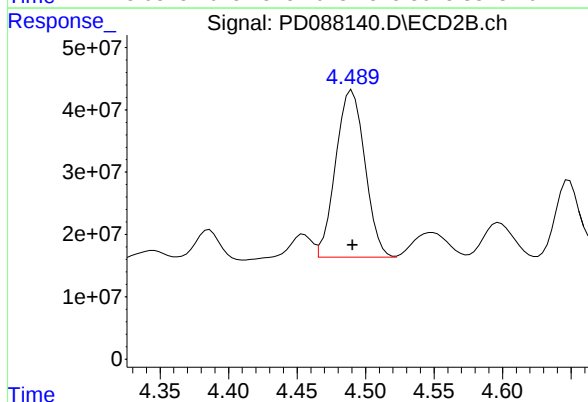
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 391767039
Conc: 510.43 ng/ml



#24 Chlordane-2

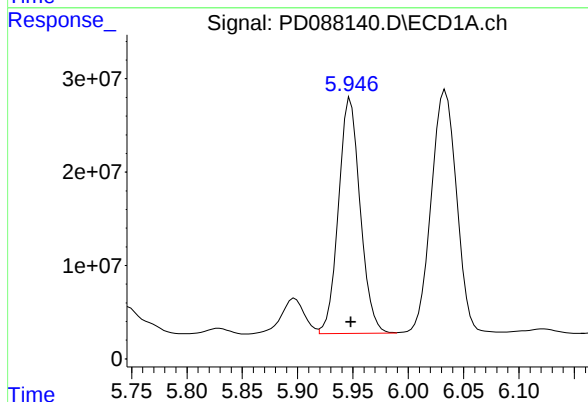
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 83436128
Conc: 518.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR



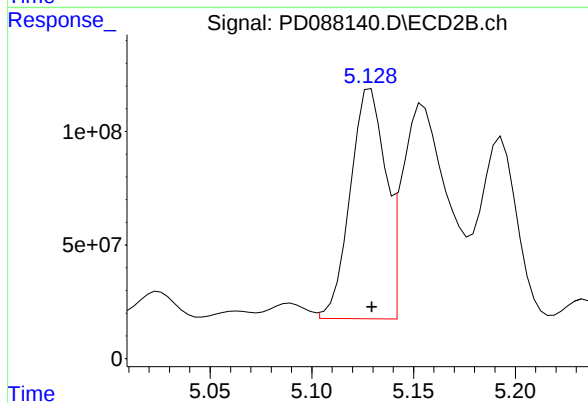
#24 Chlordane-2

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 397578032
Conc: 507.71 ng/ml



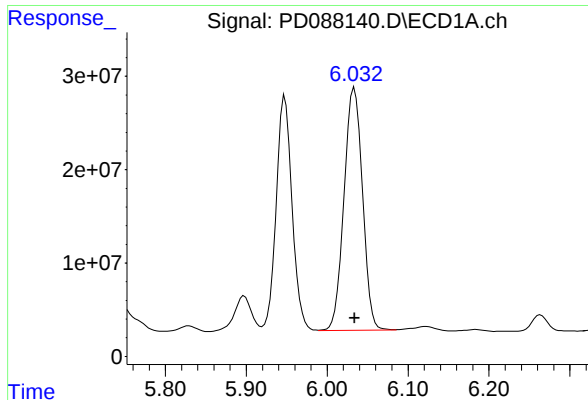
#25 Chlordane-3

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 344872028
Conc: 517.68 ng/ml



#25 Chlordane-3

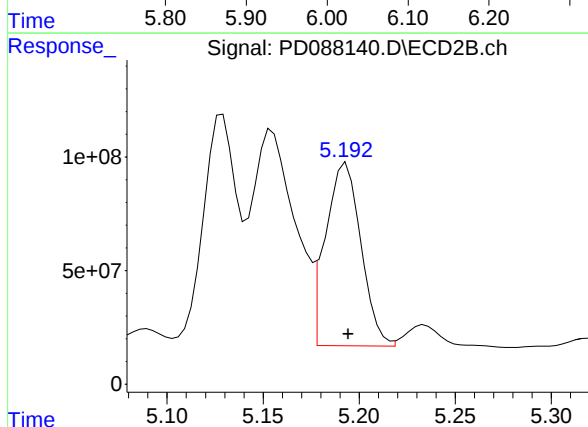
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 1215632452
Conc: 507.18 ng/ml



#26 Chlordane-4

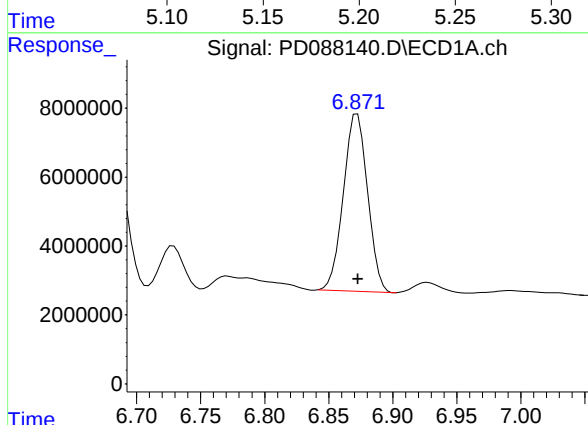
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 413535067
Conc: 518.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR



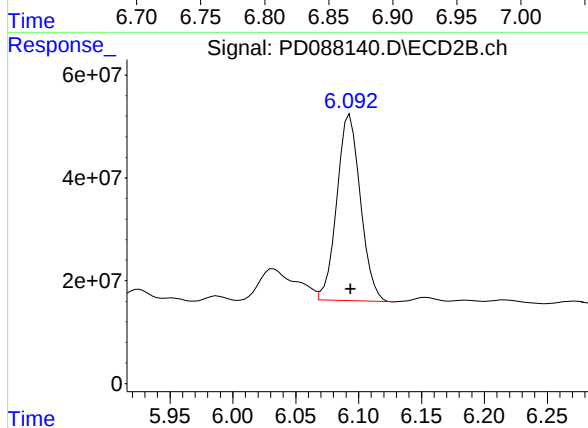
#26 Chlordane-4

R.T.: 5.193 min
Delta R.T.: -0.001 min
Response: 1029147250
Conc: 506.53 ng/ml



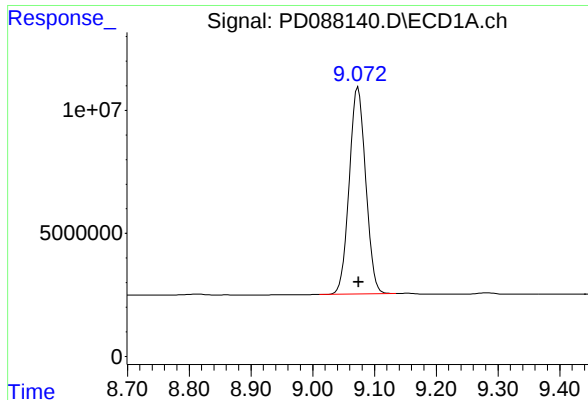
#27 Chlordane-5

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 67686335
Conc: 508.72 ng/ml



#27 Chlordane-5

R.T.: 6.093 min
Delta R.T.: 0.000 min
Response: 471404955
Conc: 506.04 ng/ml

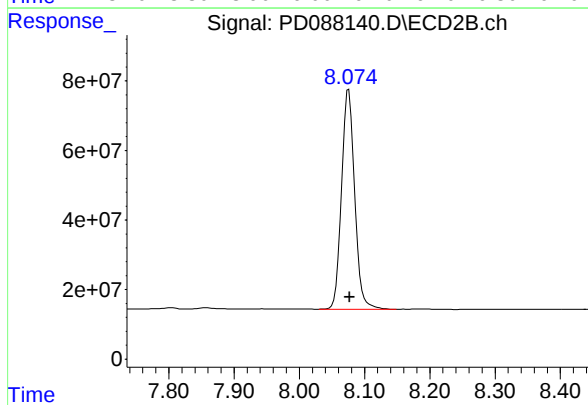


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 155636911
Conc: 50.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.002 min
Response: 883769073
Conc: 50.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088141.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:49
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:18:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:16:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

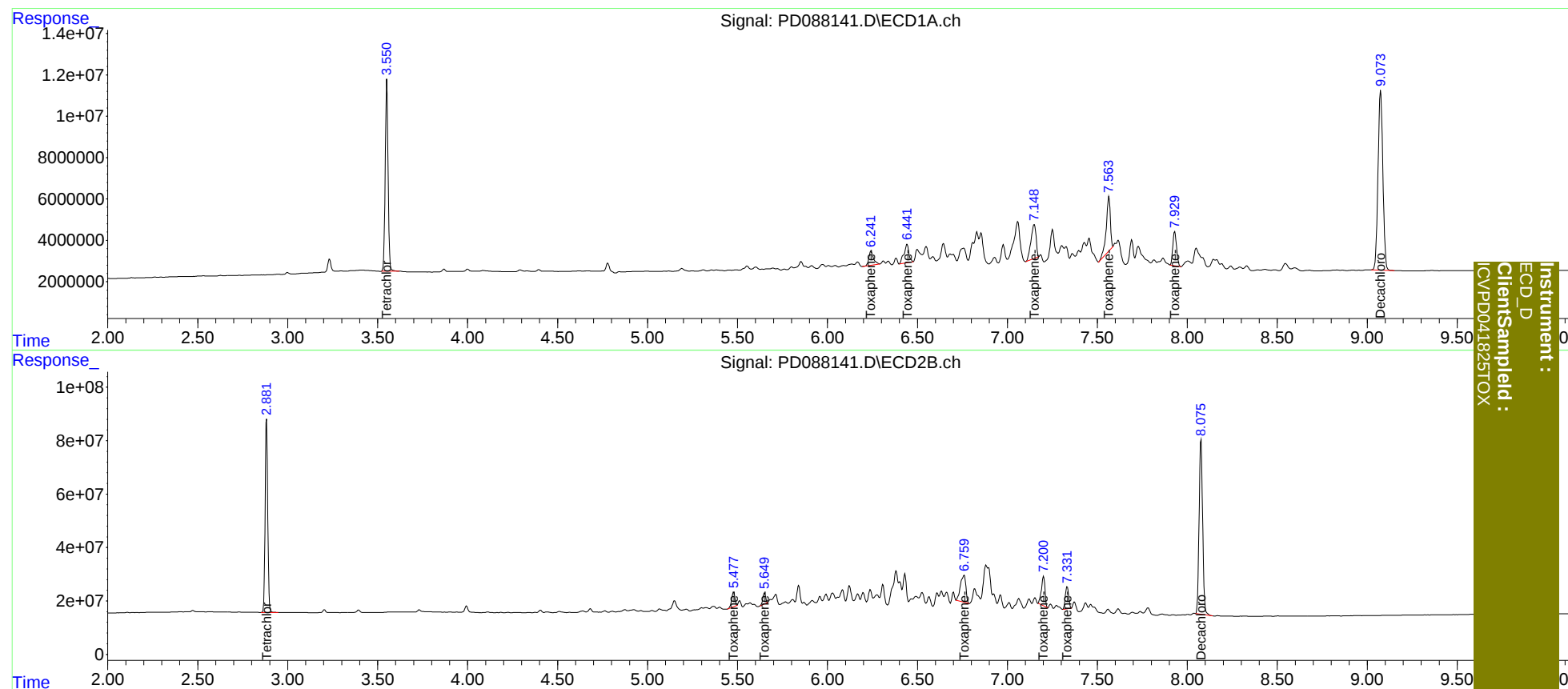
System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.883	102.5E6	730.7E6	50.719	50.617
7) SA Decachlor...	9.075	8.076	162.9E6	900.9E6	49.398	50.583
Target Compounds						
2) Toxaphene-1	6.242	5.479	11935495	66985324	505.786	512.582
3) Toxaphene-2	6.442	5.650	17155801	45180209	503.625	504.731
4) Toxaphene-3	7.149	6.760	32633182	210.1E6	499.541	503.358
5) Toxaphene-4	7.564	7.201	41575512	152.0E6	506.738	501.932
6) Toxaphene-5	7.930	7.332	23954033	105.1E6	502.021	505.684

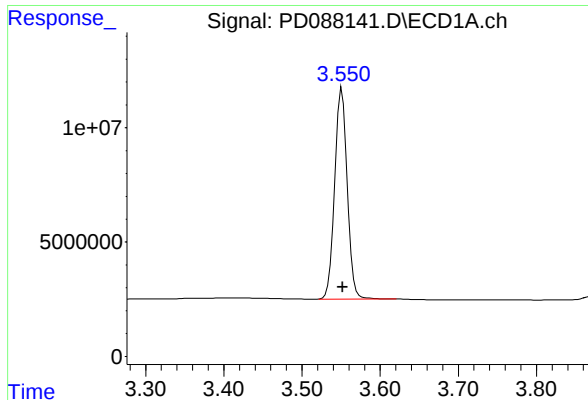
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:49
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:18:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

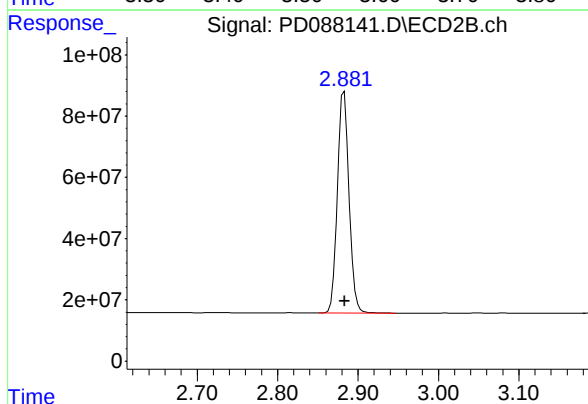




#1 Tetrachloro-m-xylene

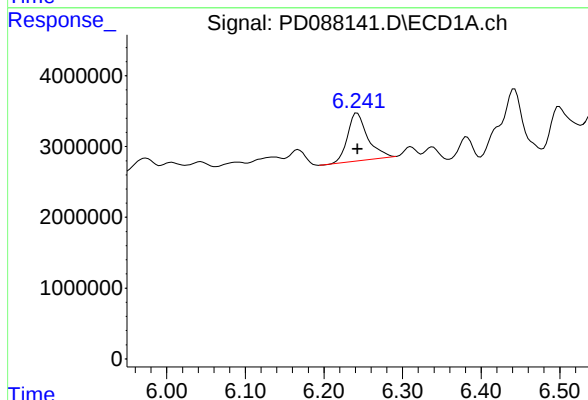
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 102502502
Conc: 50.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825TOX



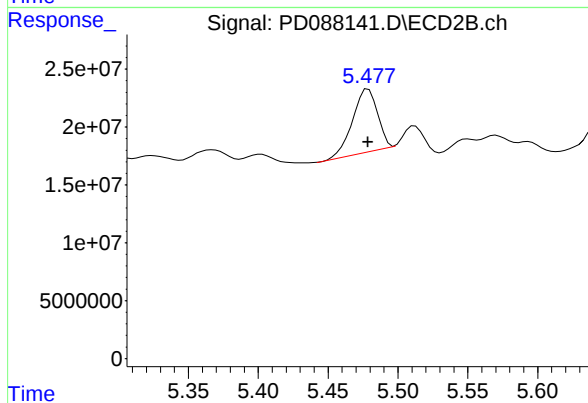
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 730714298
Conc: 50.62 ng/ml



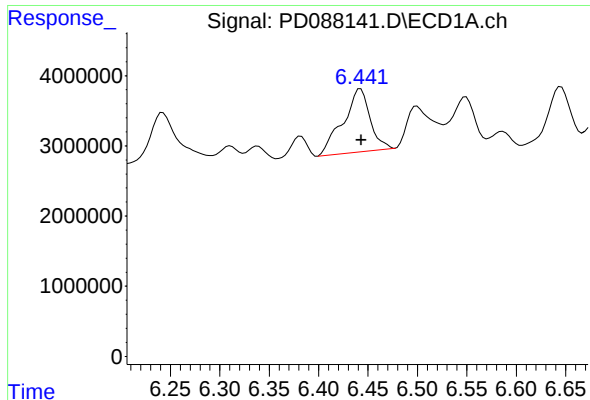
#2 Toxaphene-1

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 11935495
Conc: 505.79 ng/ml



#2 Toxaphene-1

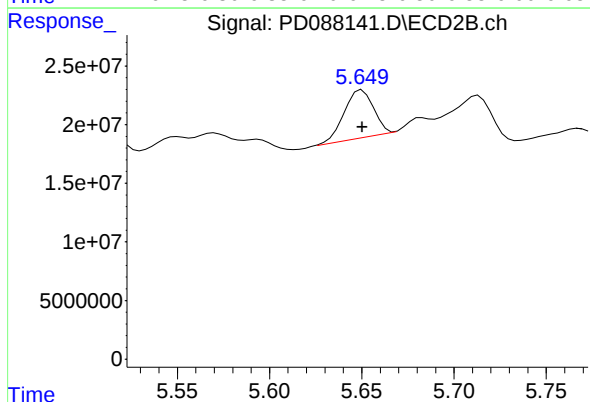
R.T.: 5.479 min
Delta R.T.: 0.000 min
Response: 66985324
Conc: 512.58 ng/ml



#3 Toxaphene-2

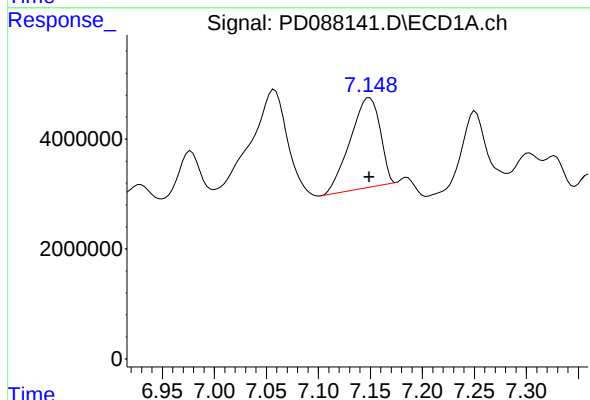
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 17155801
Conc: 503.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825TOX



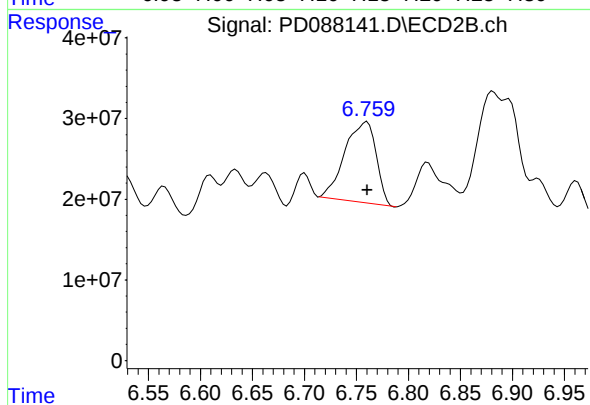
#3 Toxaphene-2

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 45180209
Conc: 504.73 ng/ml



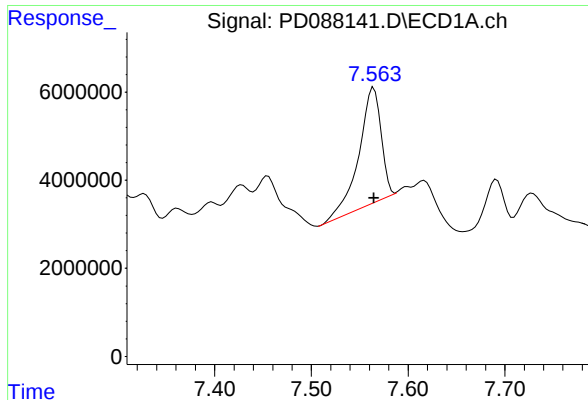
#4 Toxaphene-3

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 32633182
Conc: 499.54 ng/ml



#4 Toxaphene-3

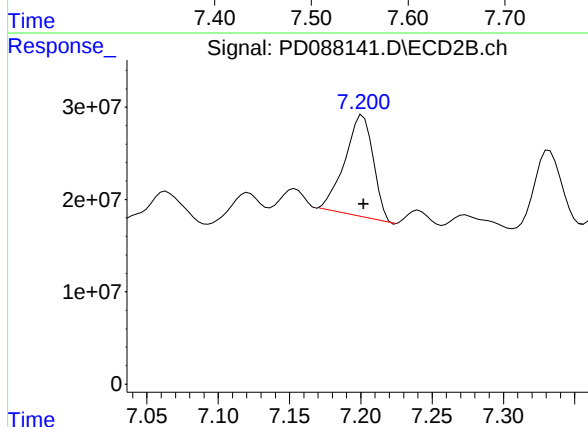
R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 210077457
Conc: 503.36 ng/ml



#5 Toxaphene-4

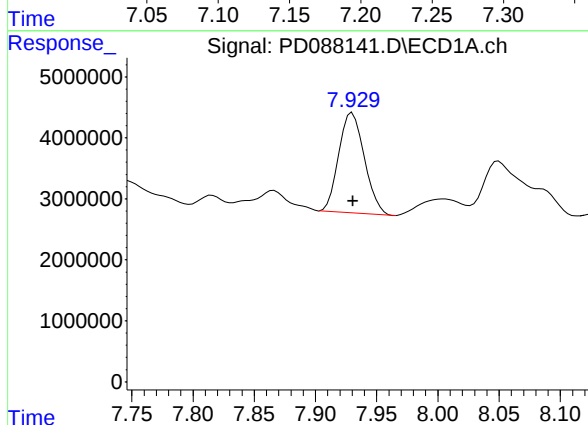
R.T.: 7.564 min
Delta R.T.: 0.000 min
Response: 41575512
Conc: 506.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825TOX



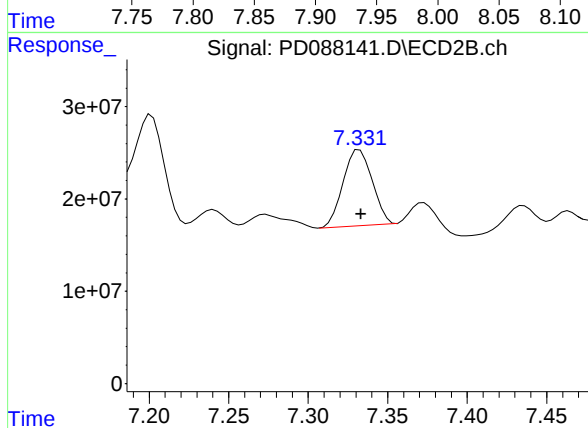
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 152040627
Conc: 501.93 ng/ml



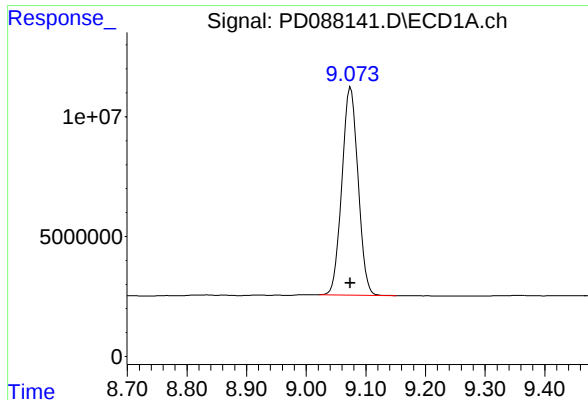
#6 Toxaphene-5

R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 23954033
Conc: 502.02 ng/ml



#6 Toxaphene-5

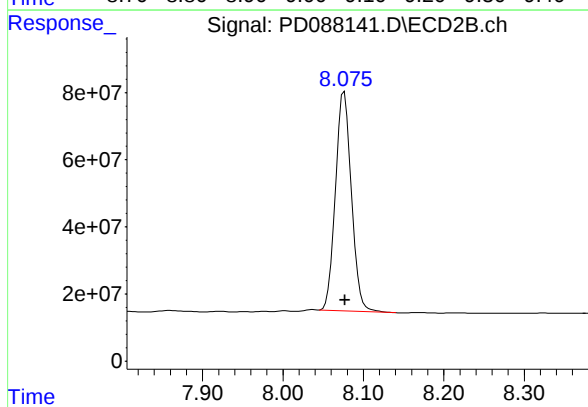
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 105061465
Conc: 505.68 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 162930516
Conc: 49.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD041825TOX



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 900860112
Conc: 50.58 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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.09	9.08	8.98	9.18	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.21	6.20	6.10	6.30	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL01 Date Analyzed: 04/23/2025

Lab Sample No.: PSTDCCC050 Data File : PD088233.D Time Analyzed: 09:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.715	6.606	6.806	52.650	50.000	5.3
4,4'-DDE	6.206	6.097	6.297	51.060	50.000	2.1
4,4'-DDT	7.031	6.922	7.122	47.170	50.000	-5.7
Aldrin	5.281	5.173	5.373	52.870	50.000	5.7
Decachlorobiphenyl	9.085	8.975	9.175	45.570	50.000	-8.9
Dieldrin	6.357	6.249	6.449	52.670	50.000	5.3
Tetrachloro-m-xylene	3.558	3.452	3.652	51.590	50.000	3.2



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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

 Client Sample No.: CCAL01 Date Analyzed: 04/23/2025

 Lab Sample No.: PSTDCCC050 Data File : PD088233.D Time Analyzed: 09:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.934	5.834	6.034	47.660	50.000	-4.7
4,4'-DDE	5.379	5.280	5.480	46.970	50.000	-6.1
4,4'-DDT	6.188	6.088	6.288	43.900	50.000	-12.2
Aldrin	4.371	4.273	4.473	47.670	50.000	-4.7
Decachlorobiphenyl	8.077	7.977	8.177	42.400	50.000	-15.2
Dieldrin	5.516	5.417	5.617	47.120	50.000	-5.8
Tetrachloro-m-xylene	2.881	2.783	2.983	47.500	50.000	-5.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088233.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 09:55
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 10:47:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.558	2.881	103.0E6	694.6E6	51.586	47.505
28) SA Decachlor...	9.085	8.077	150.8E6	783.5E6	45.571	42.398
Target Compounds						
2) A alpha-BHC	4.008	3.395	232.4E6	1096.6E6	53.896	47.967
3) MA gamma-BHC...	4.339	3.731	220.7E6	1013.0E6	52.709	47.033
4) MA Heptachlor	4.939	4.085	207.7E6	965.9E6	51.436	45.139
5) MB Aldrin	5.281	4.371	208.8E6	991.8E6	52.874	47.674
6) B beta-BHC	4.524	4.027	84283402	439.0E6	51.918	47.435
7) B delta-BHC	4.773	4.264	216.8E6	1007.3E6	52.558	47.377
8) B Heptachlo...	5.701	4.876	184.7E6	893.0E6	51.687	47.263
9) A Endosulfan I	6.084	5.251	175.9E6	852.7E6	52.075	47.338
10) B gamma-Chl...	5.956	5.129	188.5E6	962.3E6	52.043	47.415
11) B alpha-Chl...	6.037	5.194	188.1E6	923.2E6	52.115	47.094
12) B 4,4'-DDE	6.206	5.379	168.4E6	925.0E6	51.063	46.970
13) MA Dieldrin	6.357	5.516	188.0E6	939.2E6	52.671	47.117
14) MA Endrin	6.584	5.793	147.7E6	817.7E6	49.535	44.920
15) B Endosulfa...	6.795	6.084	155.7E6	815.7E6	49.819	46.552
16) A 4,4'-DDD	6.715	5.934	132.4E6	781.0E6	52.646	47.661
17) MA 4,4'-DDT	7.031	6.188	131.0E6	747.1E6	47.165	43.903
18) B Endrin al...	6.925	6.262	113.5E6	596.5E6	49.185	44.848
19) B Endosulfa...	7.158	6.486	145.3E6	785.1E6	50.540	45.821
20) A Methoxychlor	7.503	6.759	68271902	382.6E6	45.528	41.944
21) B Endrin ke...	7.639	6.996	155.8E6	870.7E6	50.480	46.552
22) Mirex	8.123	7.190	114.4E6	673.3E6	48.712	45.432

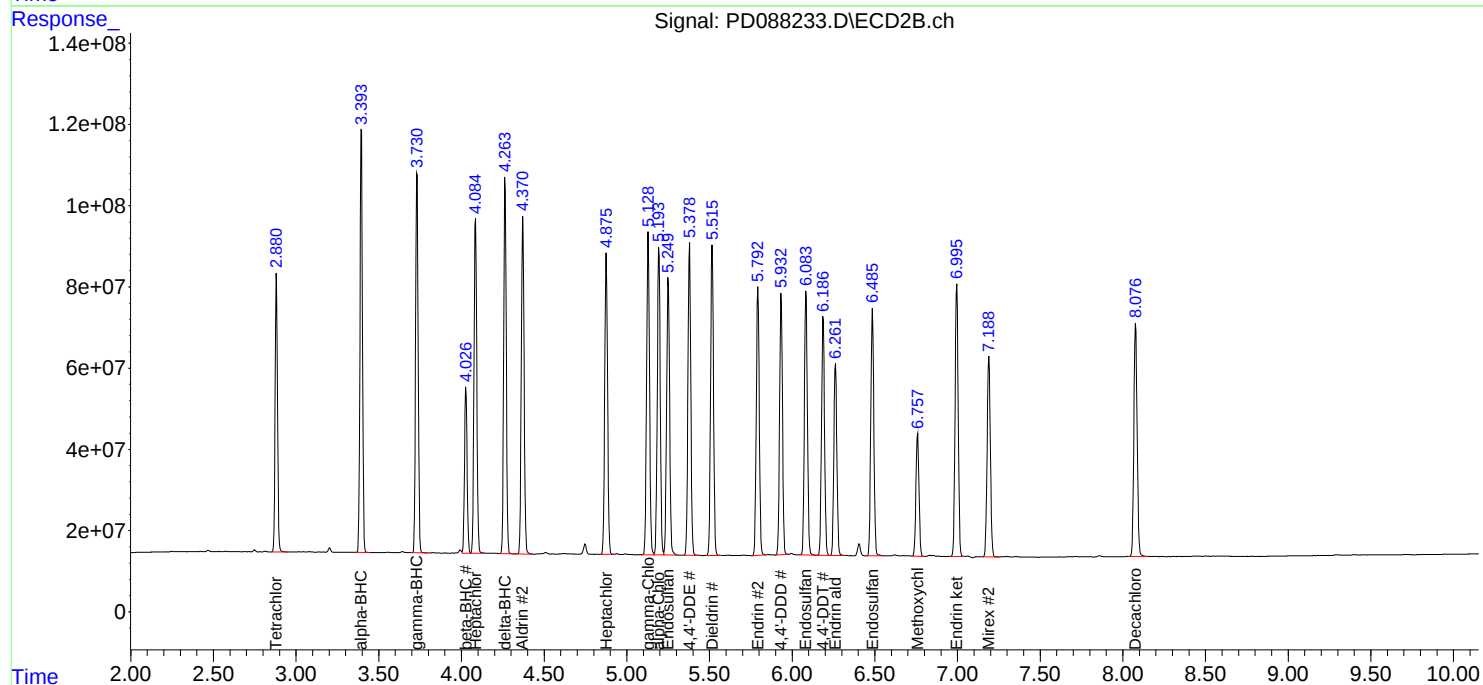
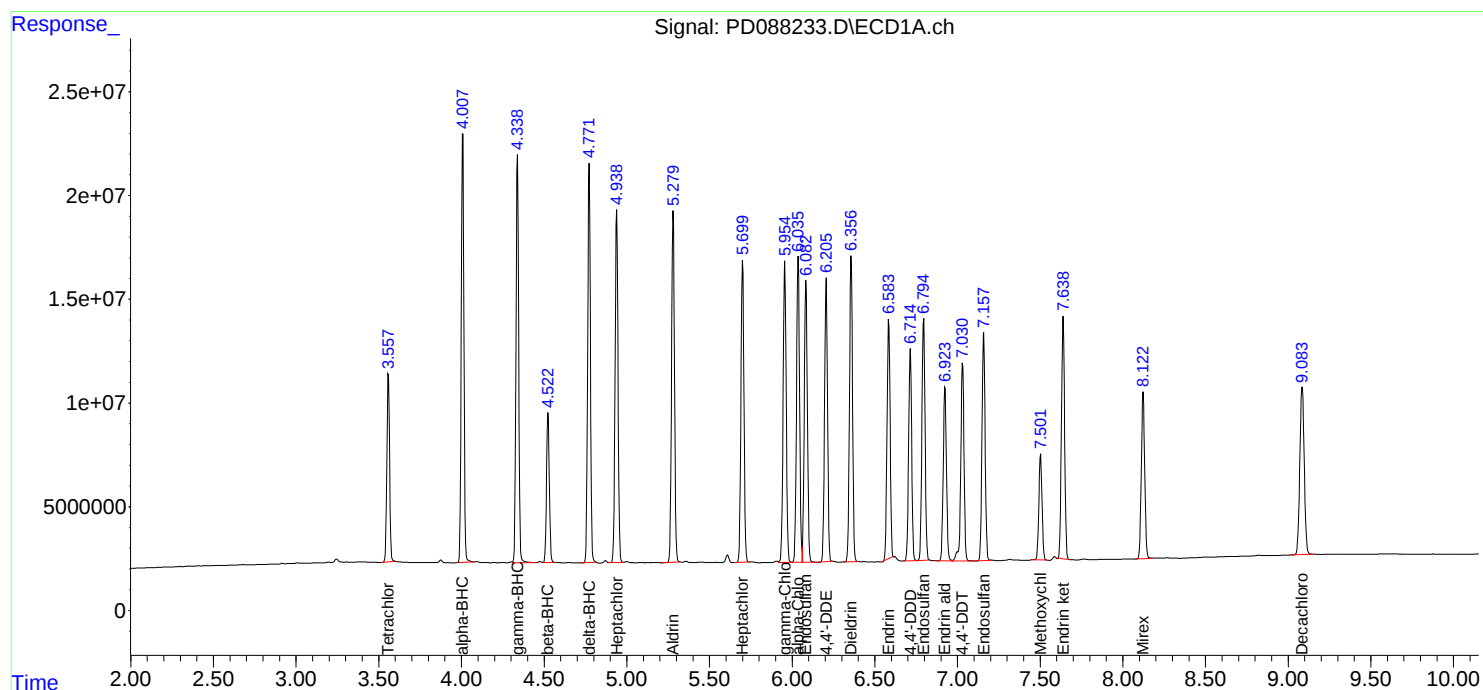
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

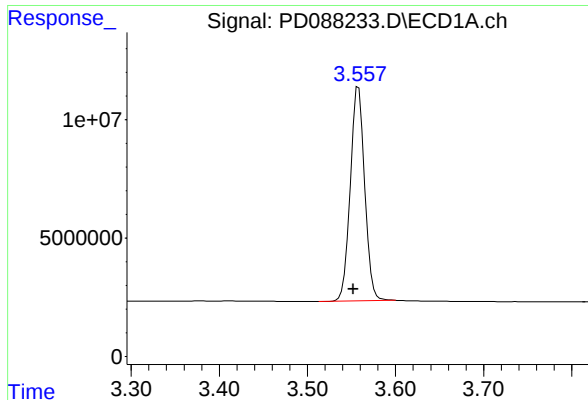
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 09:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 10:47:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

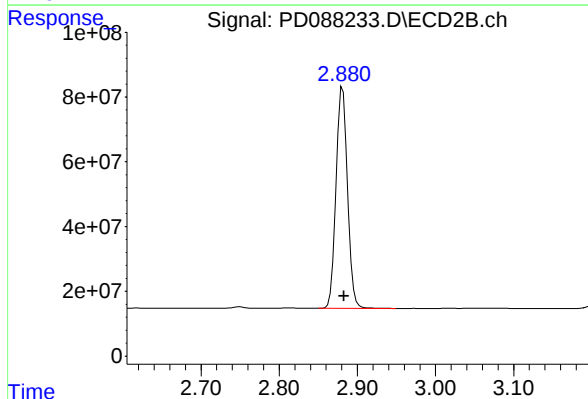




#1 Tetrachloro-m-xylene

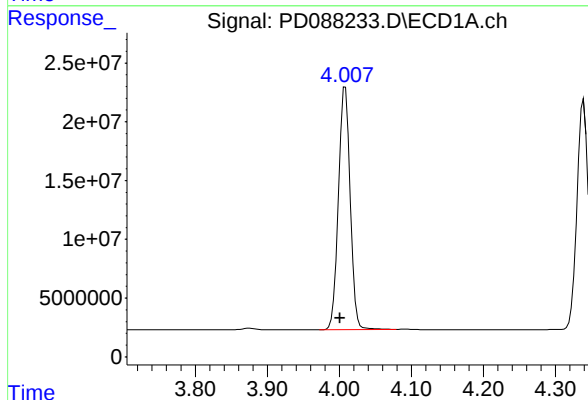
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 103037773
Conc: 51.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



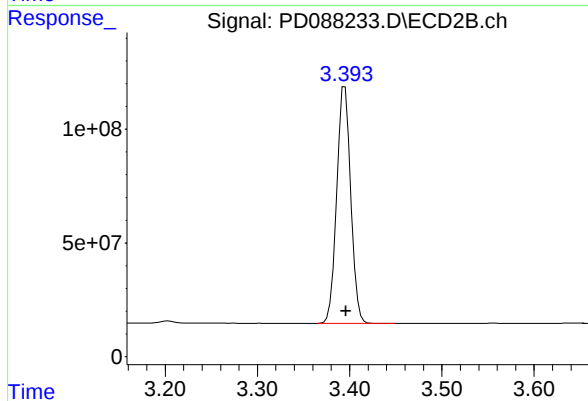
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 694597069
Conc: 47.50 ng/ml



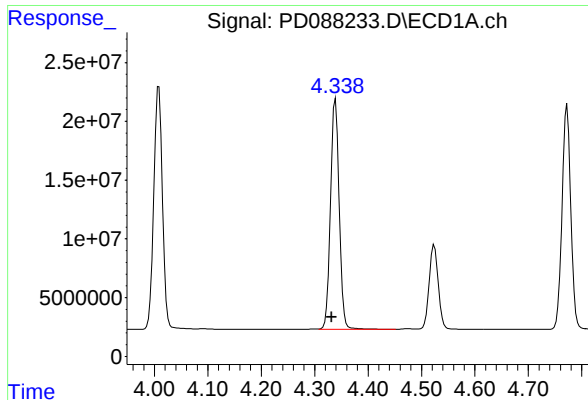
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.007 min
Response: 232397863
Conc: 53.90 ng/ml



#2 alpha-BHC

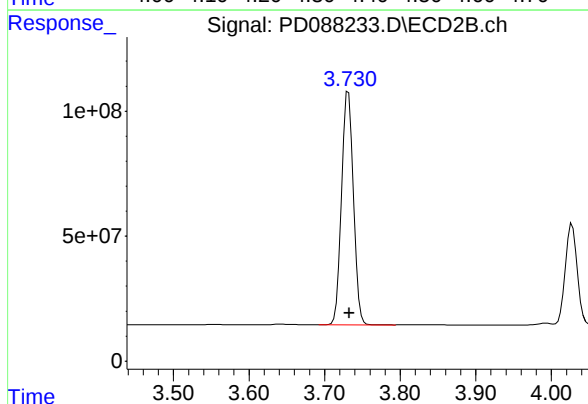
R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 1096605635
Conc: 47.97 ng/ml



#3 gamma-BHC (Lindane)

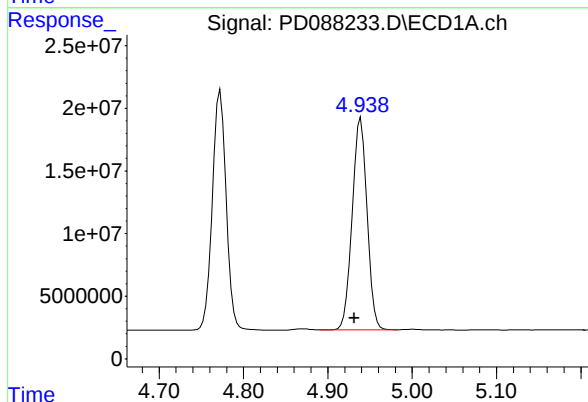
R.T.: 4.339 min
Delta R.T.: 0.007 min
Response: 220719985
Conc: 52.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



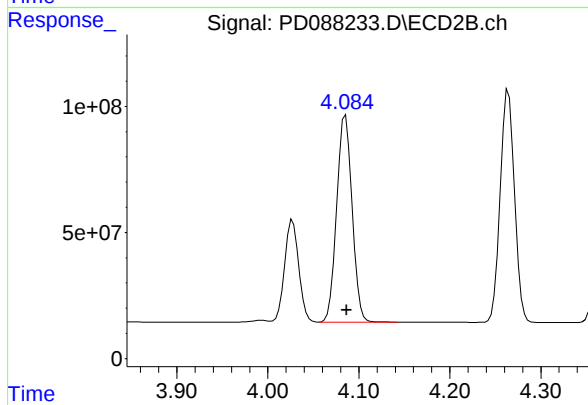
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.001 min
Response: 1013032917
Conc: 47.03 ng/ml



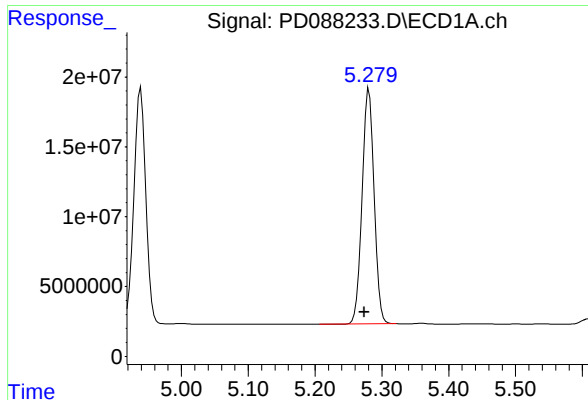
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.008 min
Response: 207746349
Conc: 51.44 ng/ml



#4 Heptachlor

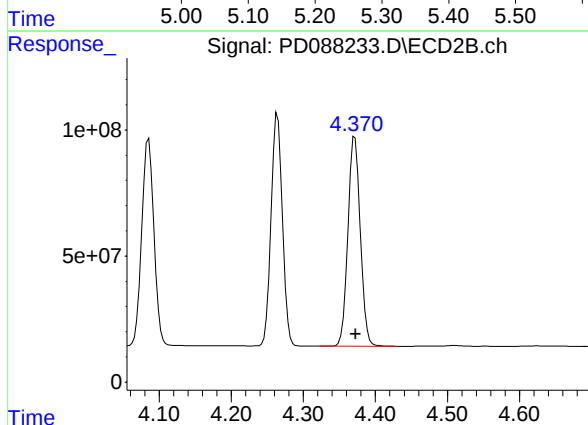
R.T.: 4.085 min
Delta R.T.: -0.001 min
Response: 965899813
Conc: 45.14 ng/ml



#5 Aldrin

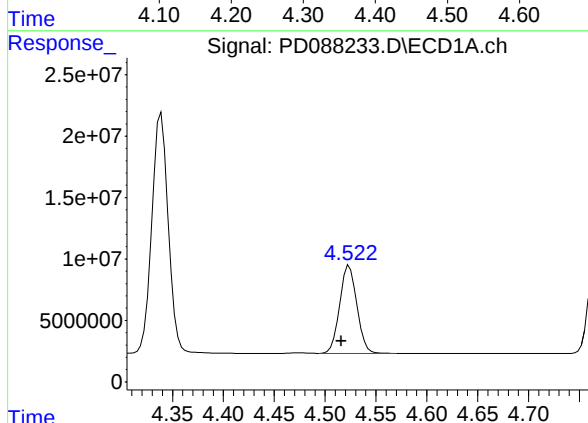
R.T.: 5.281 min
Delta R.T.: 0.007 min
Response: 208828738
Conc: 52.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



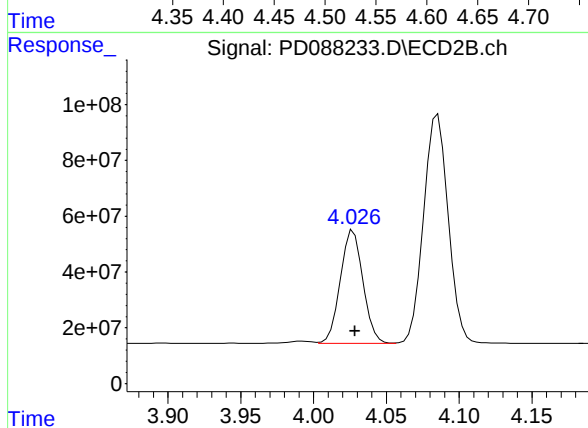
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: -0.001 min
Response: 991750833
Conc: 47.67 ng/ml



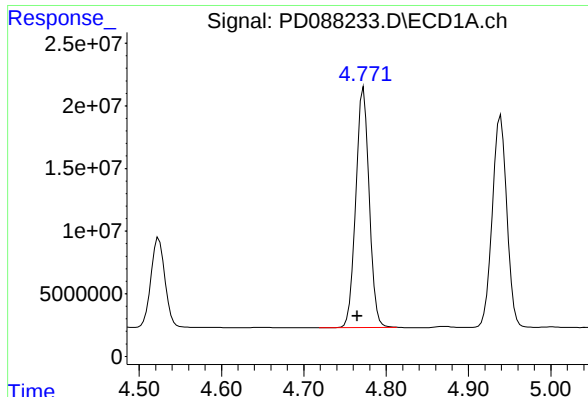
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.008 min
Response: 84283402
Conc: 51.92 ng/ml



#6 beta-BHC

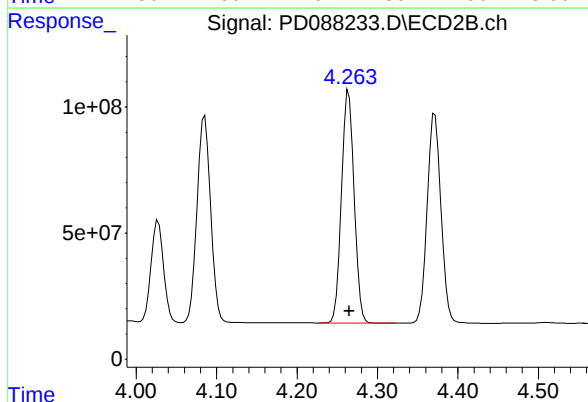
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 438968123
Conc: 47.43 ng/ml



#7 delta-BHC

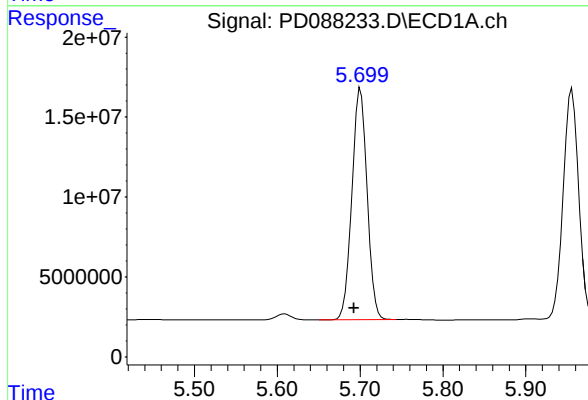
R.T.: 4.773 min
Delta R.T.: 0.008 min
Response: 216802167
Conc: 52.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



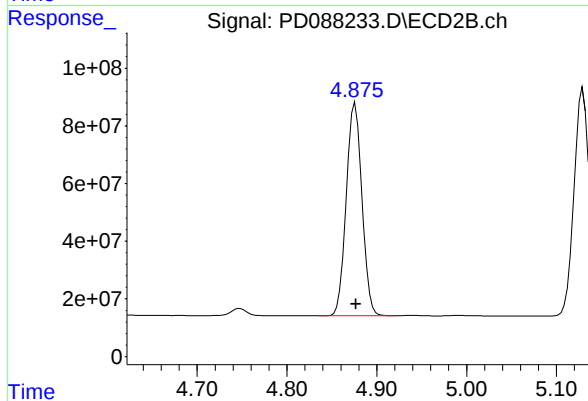
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.001 min
Response: 1007309761
Conc: 47.38 ng/ml



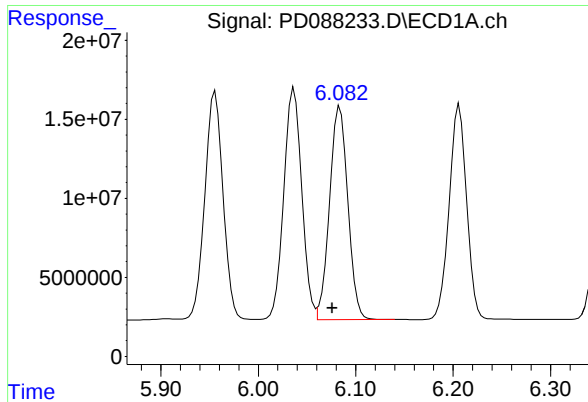
#8 Heptachlor epoxide

R.T.: 5.701 min
Delta R.T.: 0.008 min
Response: 184725081
Conc: 51.69 ng/ml



#8 Heptachlor epoxide

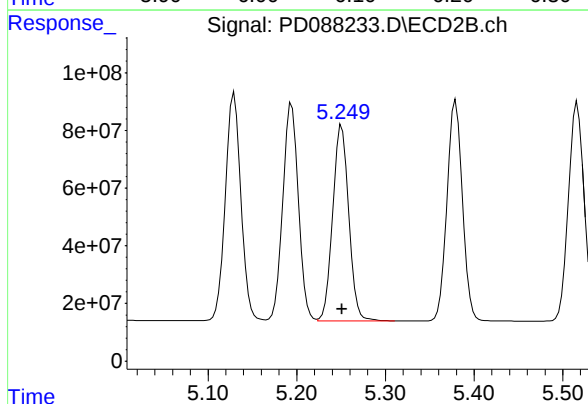
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 892992637
Conc: 47.26 ng/ml



#9 Endosulfan I

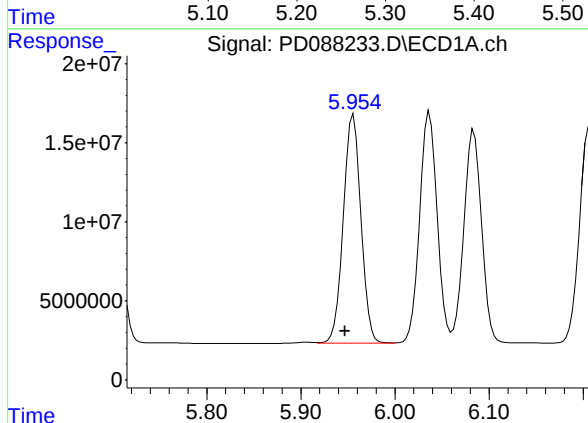
R.T.: 6.084 min
Delta R.T.: 0.008 min
Response: 175866090
Conc: 52.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



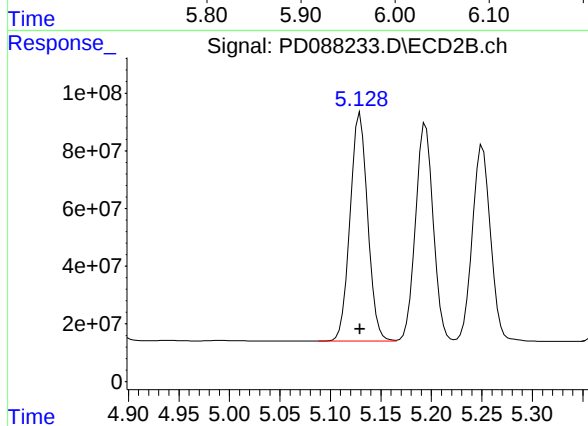
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 852672531
Conc: 47.34 ng/ml



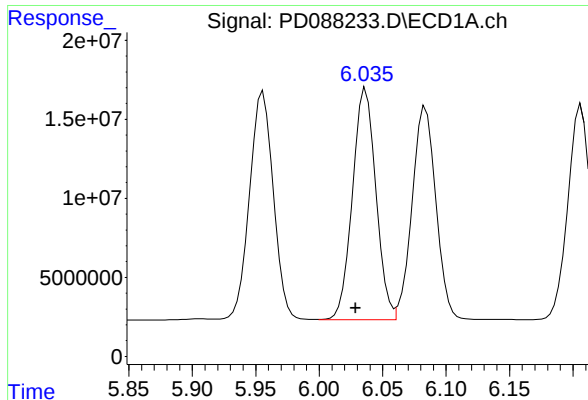
#10 gamma-Chlordane

R.T.: 5.956 min
Delta R.T.: 0.009 min
Response: 188502993
Conc: 52.04 ng/ml



#10 gamma-Chlordane

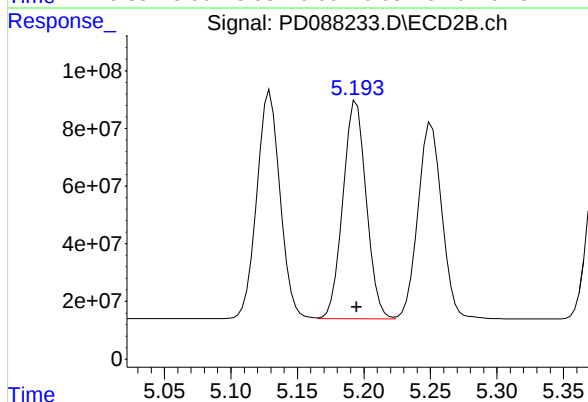
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 962344043
Conc: 47.42 ng/ml



#11 alpha-Chlordane

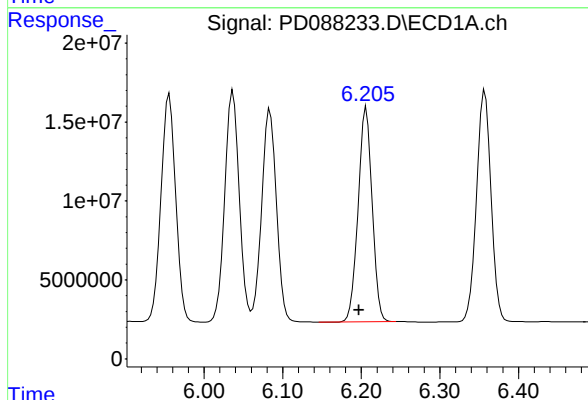
R.T.: 6.037 min
Delta R.T.: 0.008 min
Response: 188114649
Conc: 52.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



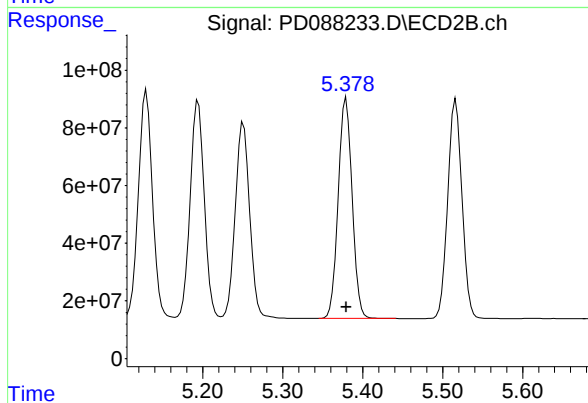
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 923168907
Conc: 47.09 ng/ml



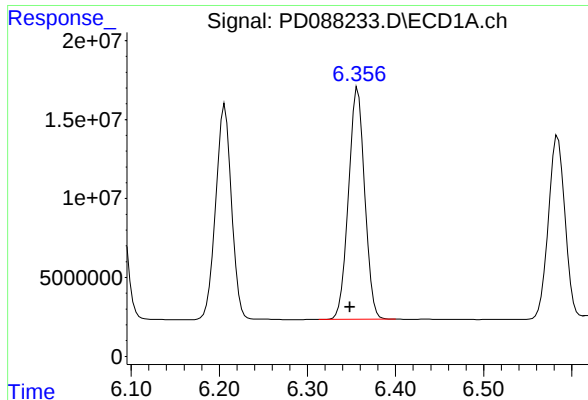
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.009 min
Response: 168418415
Conc: 51.06 ng/ml



#12 4,4'-DDE

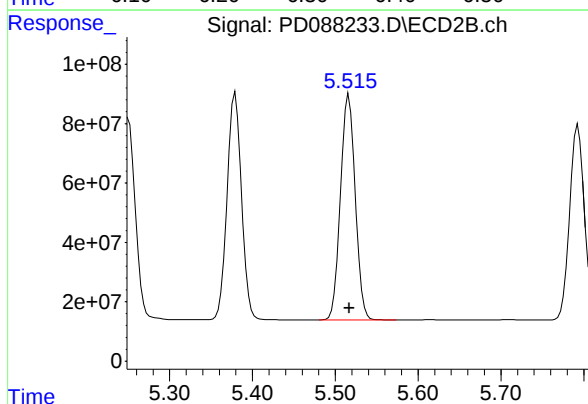
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 925020328
Conc: 46.97 ng/ml



#13 Dieldrin

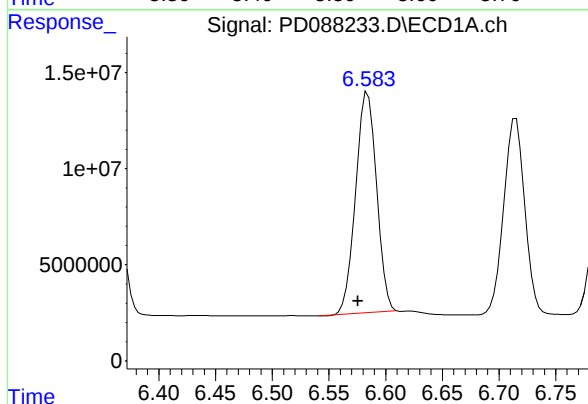
R.T.: 6.357 min
Delta R.T.: 0.009 min
Response: 187955623
Conc: 52.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



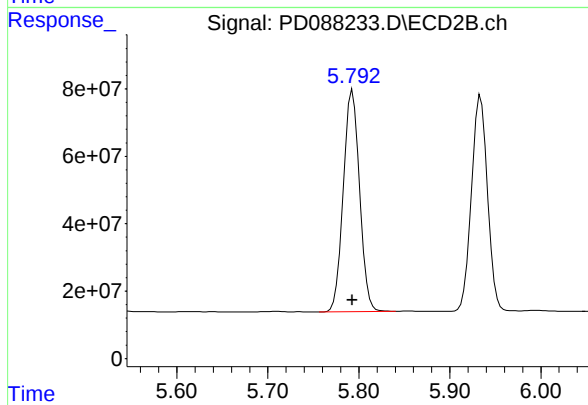
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 939175123
Conc: 47.12 ng/ml



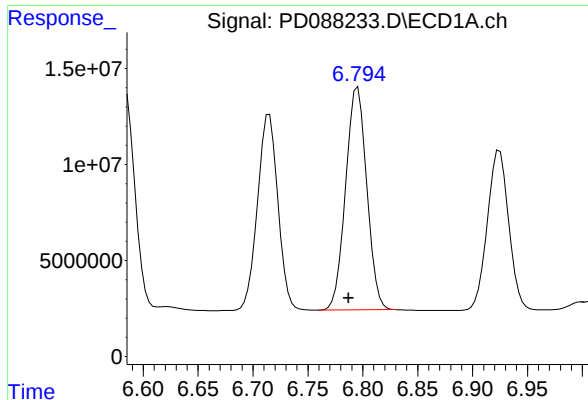
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.008 min
Response: 147741104
Conc: 49.53 ng/ml



#14 Endrin

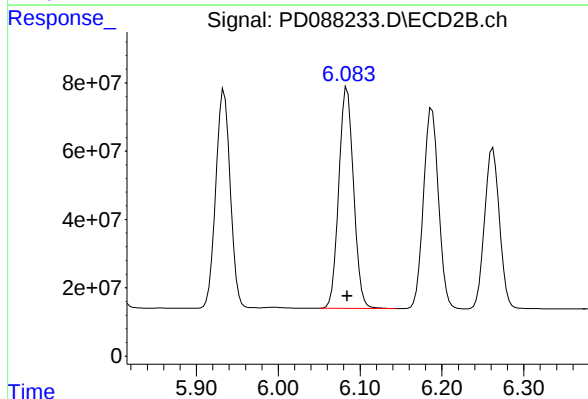
R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 817653130
Conc: 44.92 ng/ml



#15 Endosulfan II

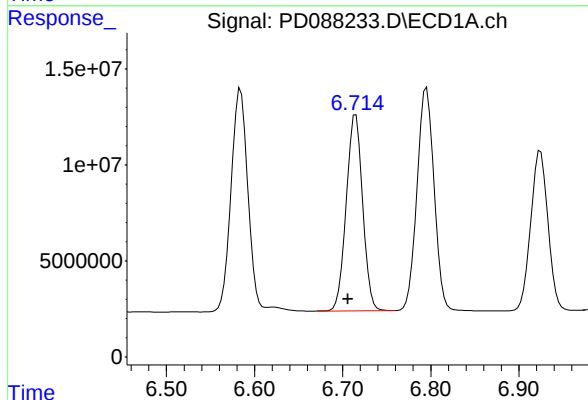
R.T.: 6.795 min
Delta R.T.: 0.008 min
Response: 155743383
Conc: 49.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



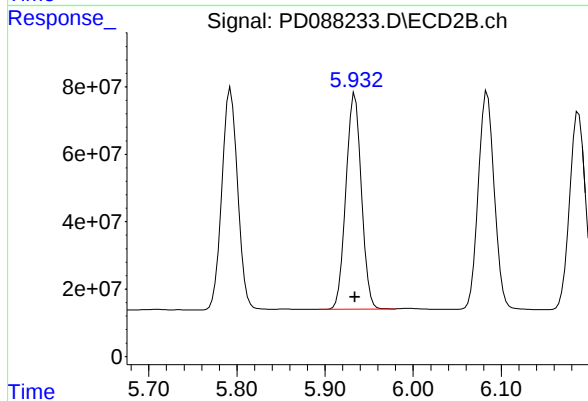
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 815670541
Conc: 46.55 ng/ml



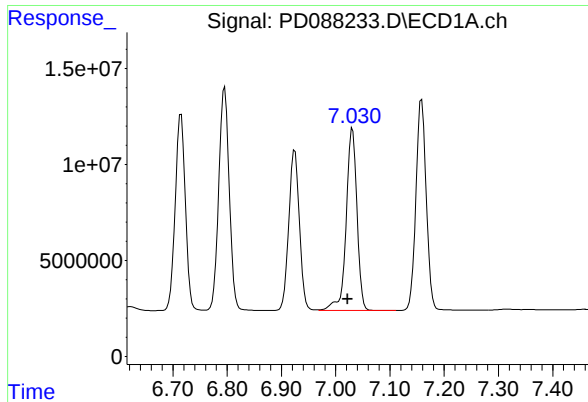
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.009 min
Response: 132401726
Conc: 52.65 ng/ml



#16 4,4'-DDD

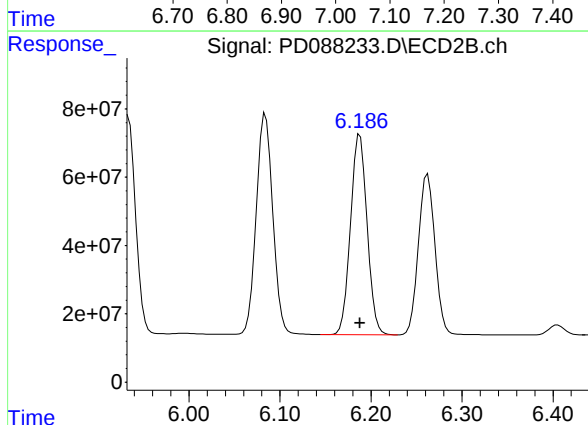
R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 780982284
Conc: 47.66 ng/ml



#17 4,4'-DDT

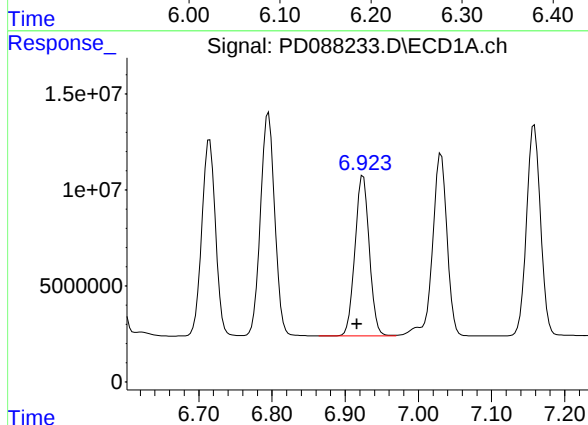
R.T.: 7.031 min
Delta R.T.: 0.009 min
Response: 131004052
Conc: 47.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



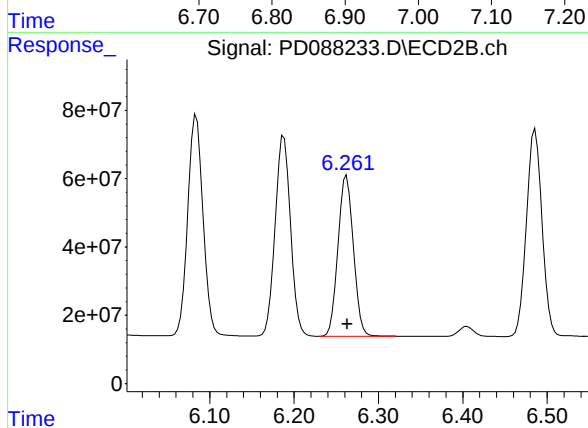
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 747072356
Conc: 43.90 ng/ml



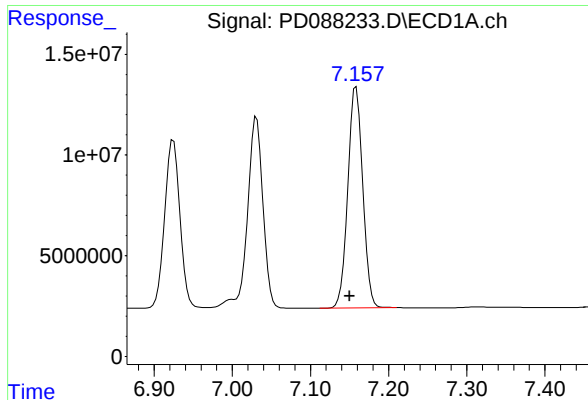
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.009 min
Response: 113518145
Conc: 49.18 ng/ml



#18 Endrin aldehyde

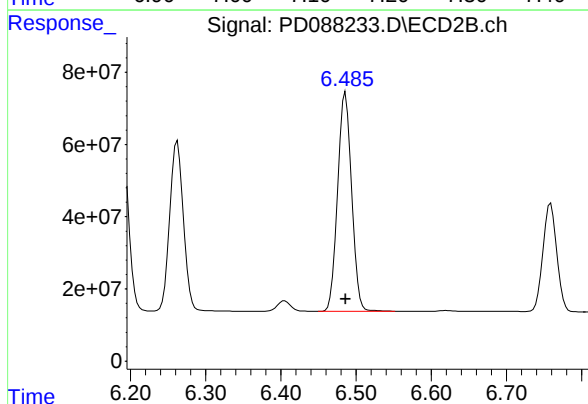
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 596517981
Conc: 44.85 ng/ml



#19 Endosulfan Sulfate

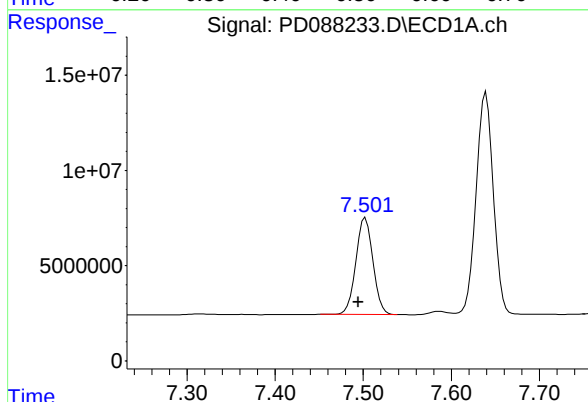
R.T.: 7.158 min
Delta R.T.: 0.008 min
Response: 145343812
Conc: 50.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



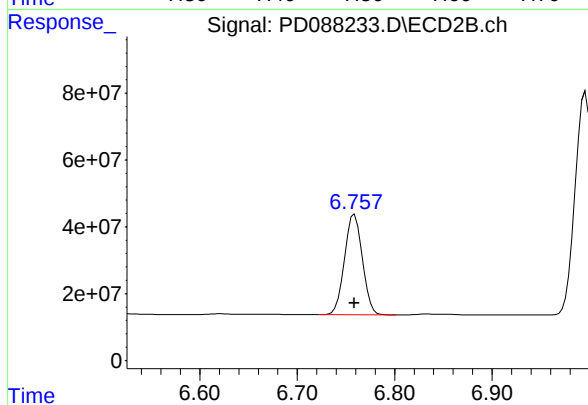
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 785057304
Conc: 45.82 ng/ml



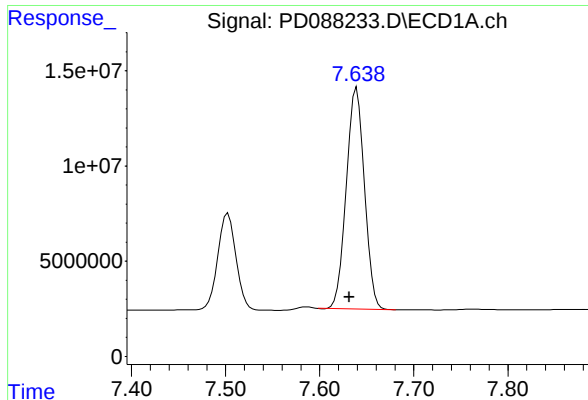
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.008 min
Response: 68271902
Conc: 45.53 ng/ml



#20 Methoxychlor

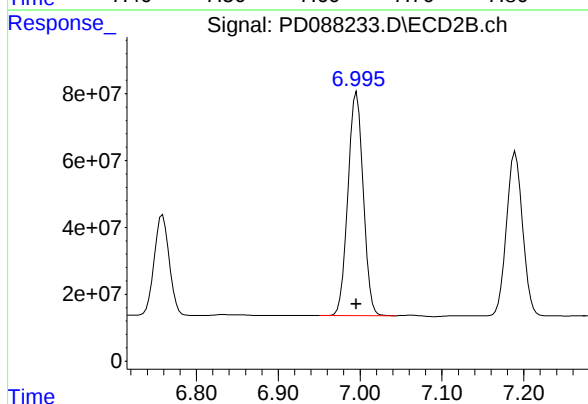
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 382574388
Conc: 41.94 ng/ml



#21 Endrin ketone

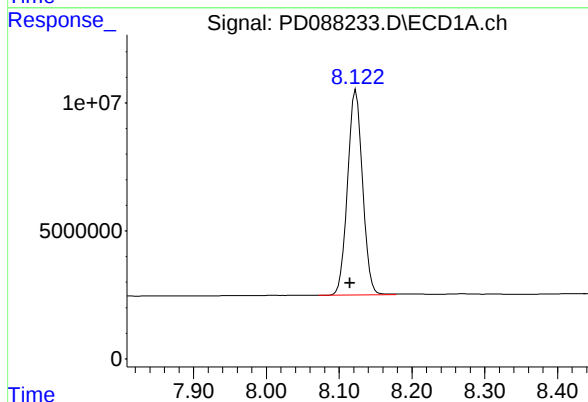
R.T.: 7.639 min
Delta R.T.: 0.008 min
Response: 155811373
Conc: 50.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



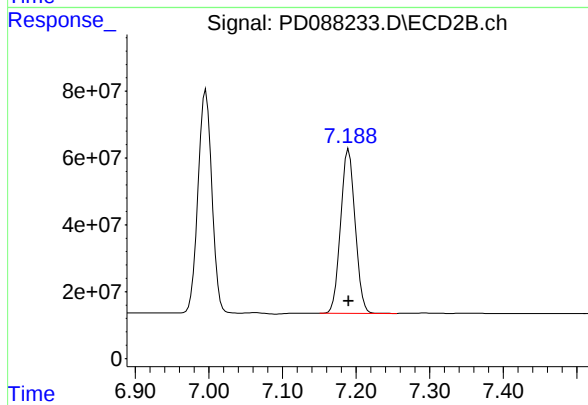
#21 Endrin ketone

R.T.: 6.996 min
Delta R.T.: 0.000 min
Response: 870701234
Conc: 46.55 ng/ml



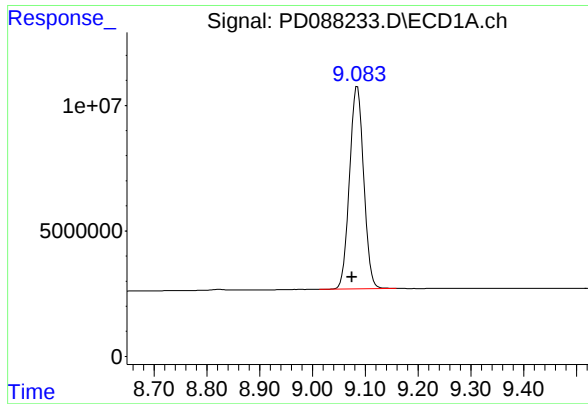
#22 Mirex

R.T.: 8.123 min
Delta R.T.: 0.008 min
Response: 114392339
Conc: 48.71 ng/ml



#22 Mirex

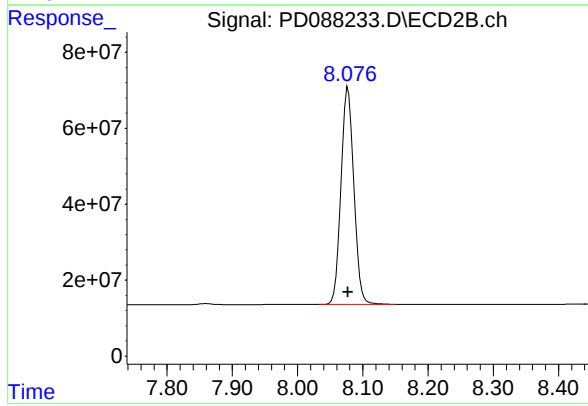
R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 673347036
Conc: 45.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.010 min
Response: 150754136
Conc: 45.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 783506328
Conc: 42.40 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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:05 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:05 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/23/2025

Lab Sample No.: PSTDCCC050 Data File : PD088247.D Time Analyzed: 15:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.606	6.806	52.770	50.000	5.5
4,4'-DDE	6.197	6.097	6.297	50.980	50.000	2.0
4,4'-DDT	7.022	6.922	7.122	43.090	50.000	-13.8
Aldrin	5.273	5.173	5.373	53.250	50.000	6.5
Decachlorobiphenyl	9.074	8.975	9.175	45.670	50.000	-8.7
Dieldrin	6.348	6.249	6.449	52.360	50.000	4.7
Tetrachloro-m-xylene	3.552	3.452	3.652	52.160	50.000	4.3



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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/23/2025

Lab Sample No.: PSTDCCC050 Data File : PD088247.D Time Analyzed: 15:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.932	5.834	6.034	48.840	50.000	-2.3
4,4'-DDE	5.379	5.280	5.480	47.620	50.000	-4.8
4,4'-DDT	6.187	6.088	6.288	41.100	50.000	-17.8
Aldrin	4.372	4.273	4.473	48.470	50.000	-3.1
Decachlorobiphenyl	8.076	7.977	8.177	40.830	50.000	-18.3
Dieldrin	5.516	5.417	5.617	47.670	50.000	-4.7
Tetrachloro-m-xylene	2.883	2.783	2.983	48.850	50.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 15:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 24 01:33:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	104.2E6	714.3E6	52.157	48.850
28) SA Decachlor...	9.074	8.076	151.1E6	754.4E6	45.672	40.825
Target Compounds						
2) A alpha-BHC	4.001	3.396	234.2E6	1121.5E6	54.311	49.058
3) MA gamma-BHC...	4.332	3.732	221.7E6	1030.8E6	52.936	47.856
4) MA Heptachlor	4.931	4.086	197.7E6	956.6E6	48.942	44.706
5) MB Aldrin	5.273	4.372	210.3E6	1008.3E6	53.254	48.470
6) B beta-BHC	4.516	4.028	85127500	448.5E6	52.438	48.462
7) B delta-BHC	4.765	4.265	218.9E6	1029.9E6	53.078	48.442
8) B Heptachlo...	5.692	4.876	185.1E6	904.0E6	51.785	47.848
9) A Endosulfan I	6.076	5.250	175.5E6	856.1E6	51.955	47.526
10) B gamma-Chl...	5.947	5.129	189.6E6	973.8E6	52.359	47.981
11) B alpha-Chl...	6.028	5.194	187.5E6	932.6E6	51.932	47.575
12) B 4,4'-DDE	6.197	5.379	168.1E6	937.9E6	50.975	47.623
13) MA Dieldrin	6.348	5.516	186.8E6	950.2E6	52.356	47.669
14) MA Endrin	6.575	5.792	146.3E6	834.4E6	49.066	45.839
15) B Endosulfa...	6.787	6.083	155.1E6	816.5E6	49.617	46.599
16) A 4,4'-DDD	6.706	5.932	132.7E6	800.2E6	52.772	48.835
17) MA 4,4'-DDT	7.022	6.187	119.7E6	699.4E6	43.093	41.099
18) B Endrin al...	6.916	6.262	111.2E6	589.9E6	48.160	44.353
19) B Endosulfa...	7.150	6.485	143.8E6	783.0E6	49.996	45.698
20) A Methoxychlor	7.494	6.757	62420312	368.0E6	41.626	40.347
21) B Endrin ke...	7.631	6.994	151.5E6	846.4E6	49.073	45.253
22) Mirex	8.115	7.188	112.5E6	657.3E6	47.901	44.351

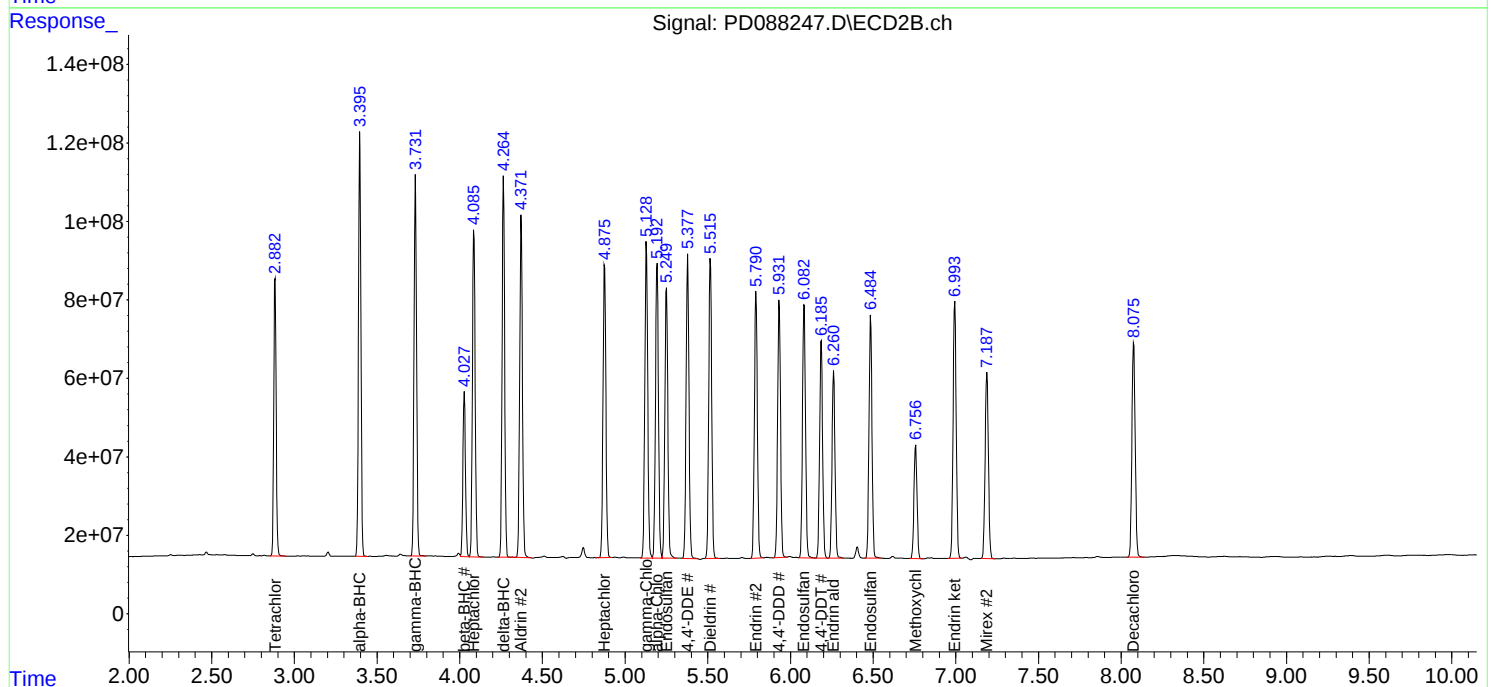
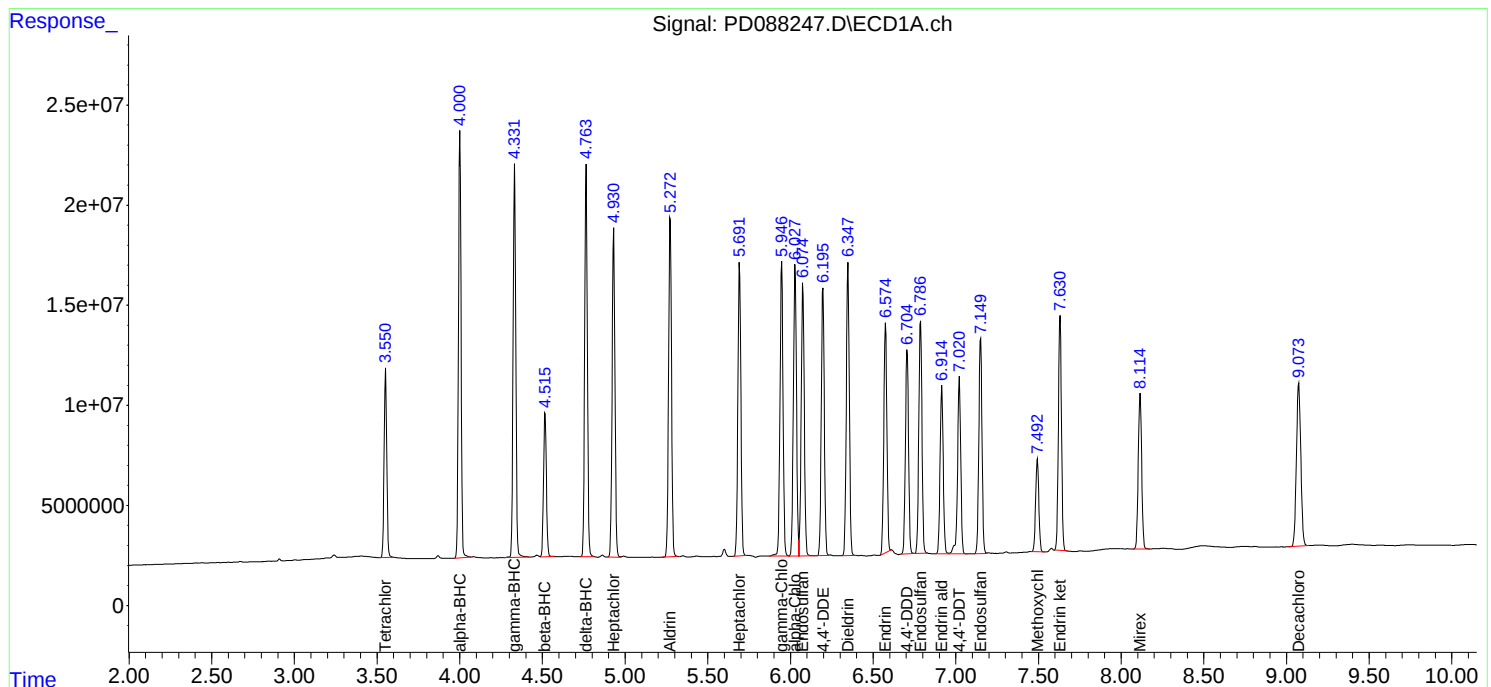
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

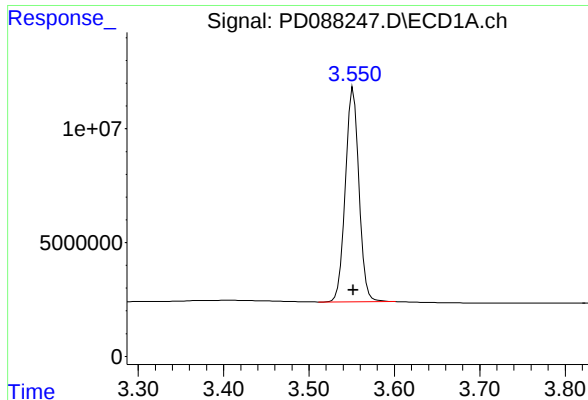
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:33:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

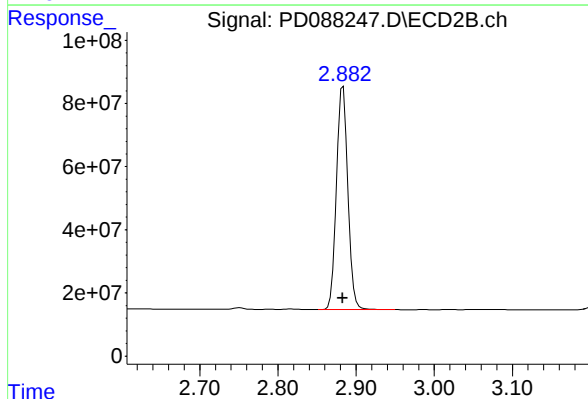




#1 Tetrachloro-m-xylene

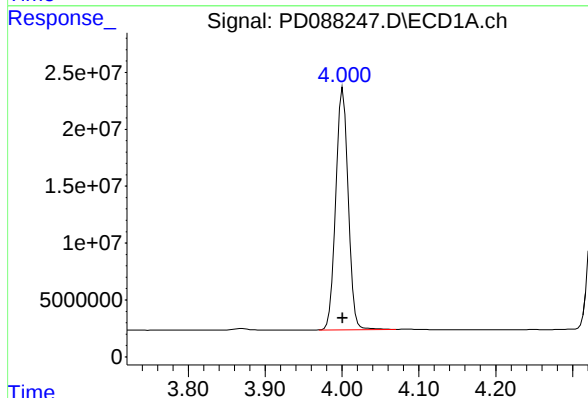
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 104178219
Conc: 52.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



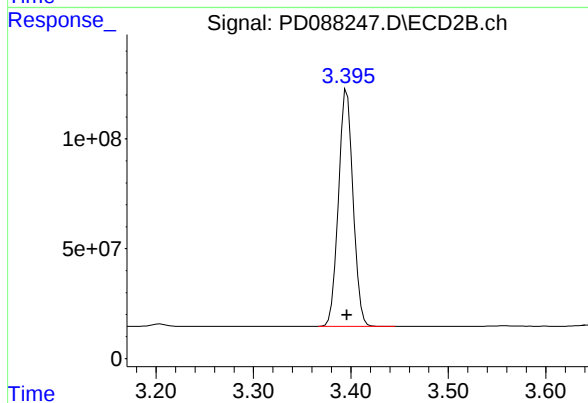
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 714260228
Conc: 48.85 ng/ml



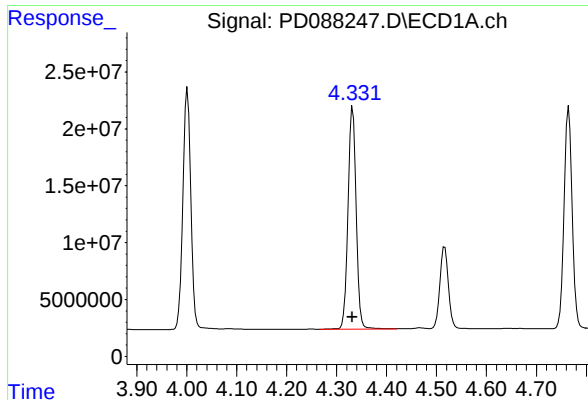
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 234190832
Conc: 54.31 ng/ml



#2 alpha-BHC

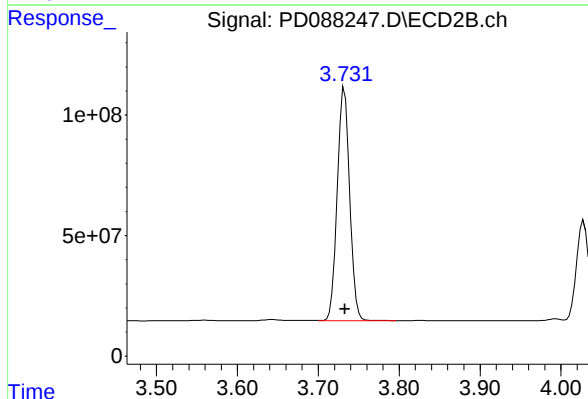
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1121540061
Conc: 49.06 ng/ml



#3 gamma-BHC (Lindane)

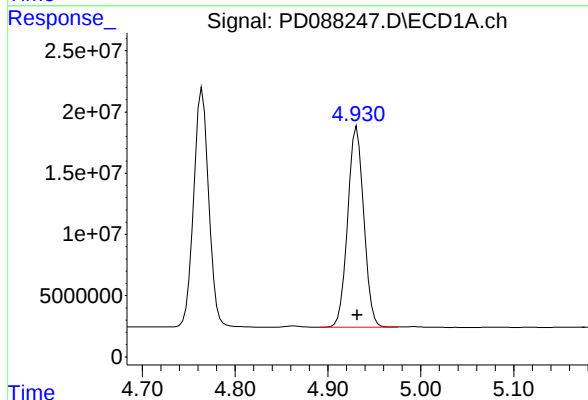
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 221668031
Conc: 52.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



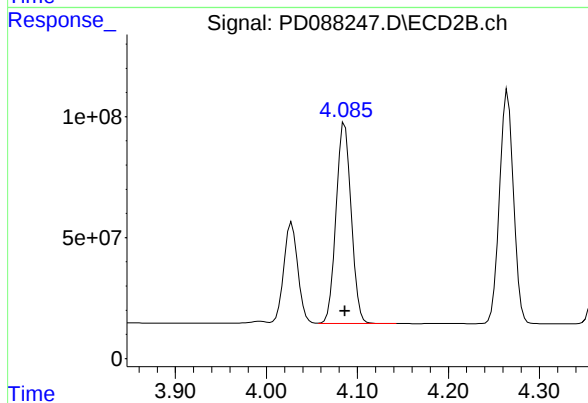
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 1030751238
Conc: 47.86 ng/ml



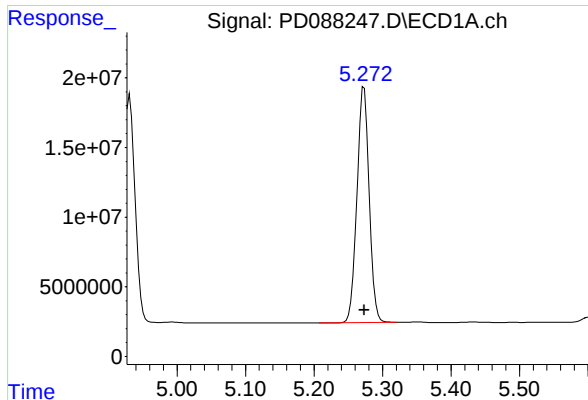
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 197674140
Conc: 48.94 ng/ml



#4 Heptachlor

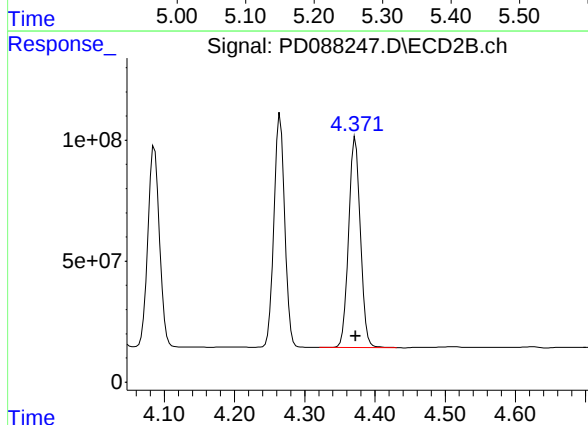
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 956626095
Conc: 44.71 ng/ml



#5 Aldrin

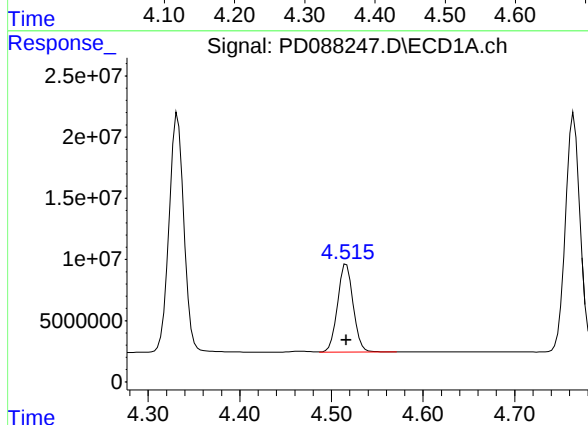
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 210330612
Conc: 53.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



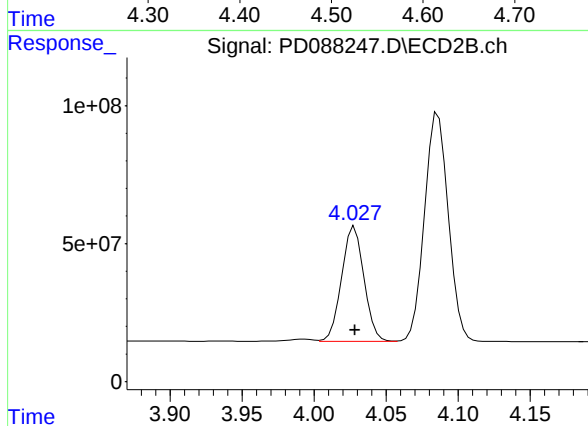
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 1008318223
Conc: 48.47 ng/ml



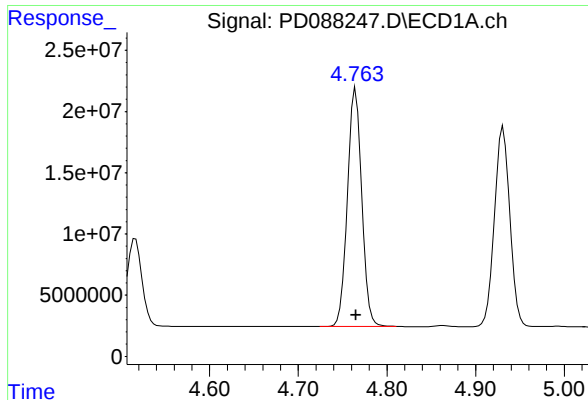
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 85127500
Conc: 52.44 ng/ml



#6 beta-BHC

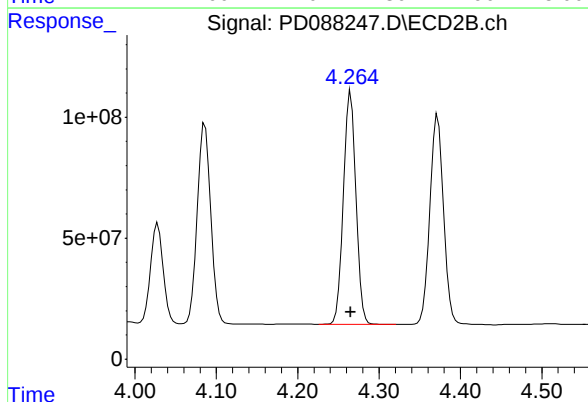
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 448469085
Conc: 48.46 ng/ml



#7 delta-BHC

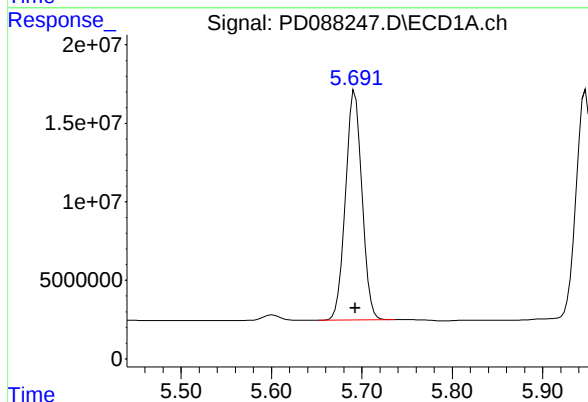
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 218943804
Conc: 53.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



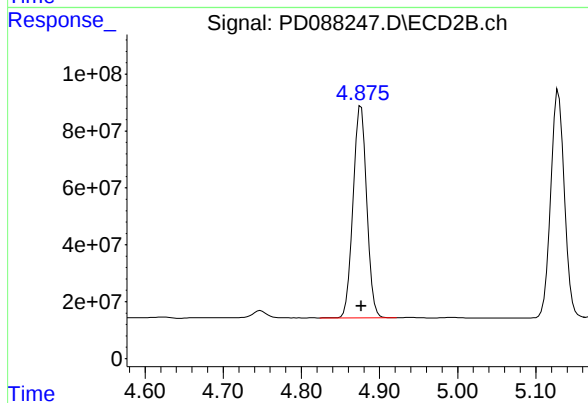
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1029948830
Conc: 48.44 ng/ml



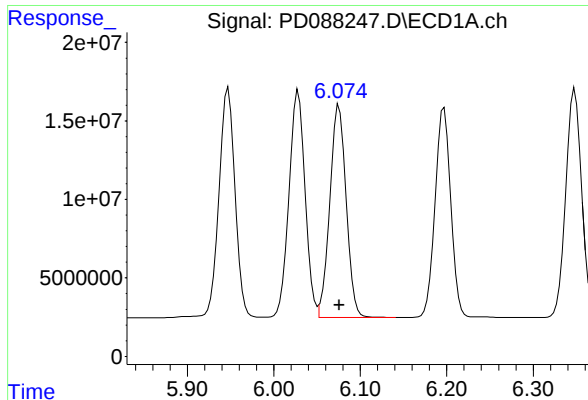
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 185078205
Conc: 51.79 ng/ml



#8 Heptachlor epoxide

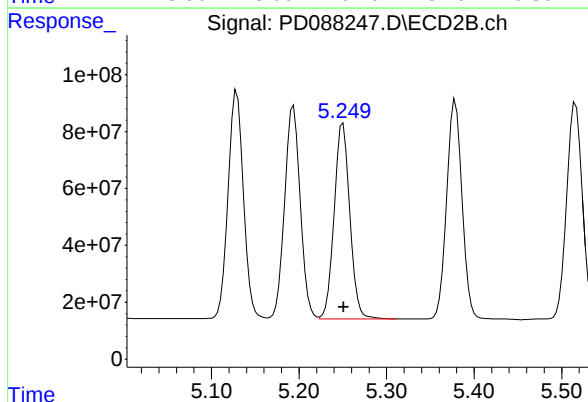
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 904048440
Conc: 47.85 ng/ml



#9 Endosulfan I

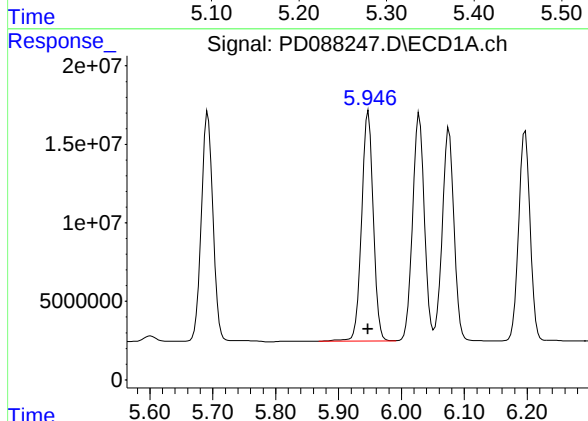
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 175459504
Conc: 51.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



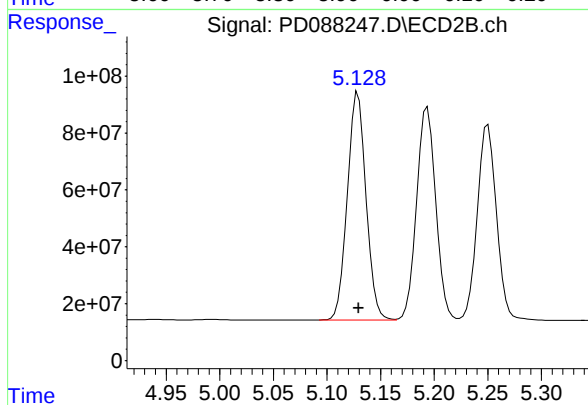
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 856061027
Conc: 47.53 ng/ml



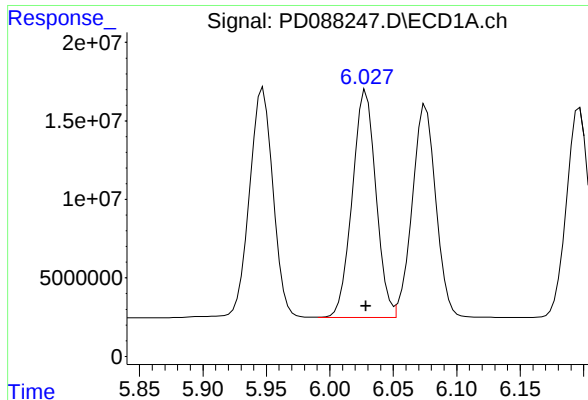
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 189648280
Conc: 52.36 ng/ml



#10 gamma-Chlordane

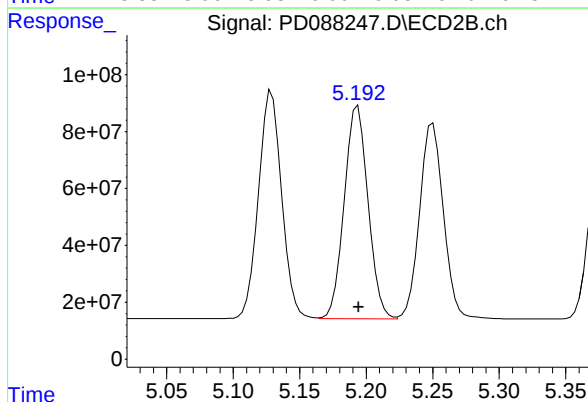
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 973812932
Conc: 47.98 ng/ml



#11 alpha-Chlordane

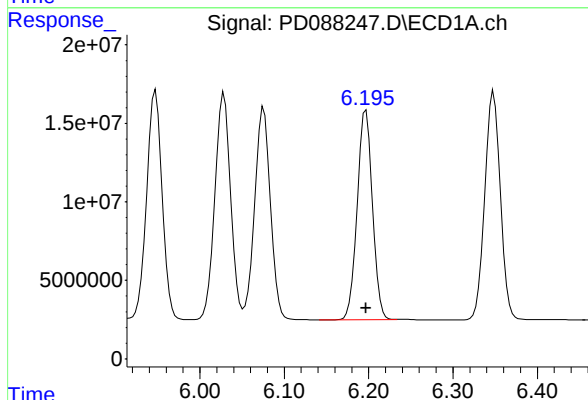
R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 187453095
Conc: 51.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



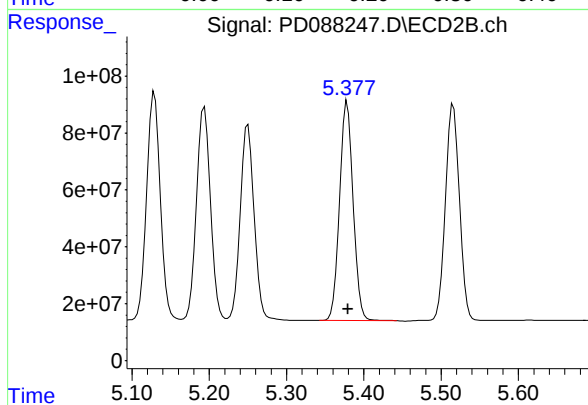
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 932594532
Conc: 47.57 ng/ml



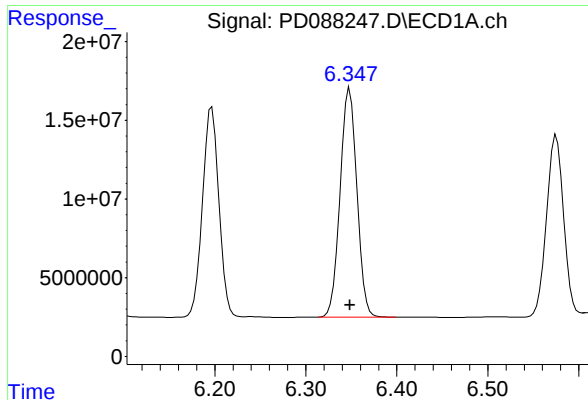
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 168128567
Conc: 50.98 ng/ml



#12 4,4'-DDE

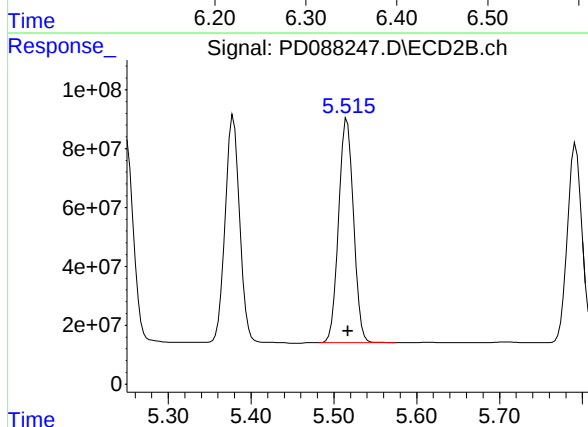
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 937880345
Conc: 47.62 ng/ml



#13 Dieldrin

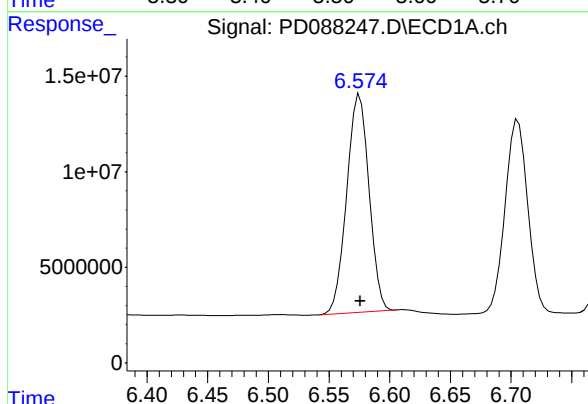
R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 186832246
Conc: 52.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



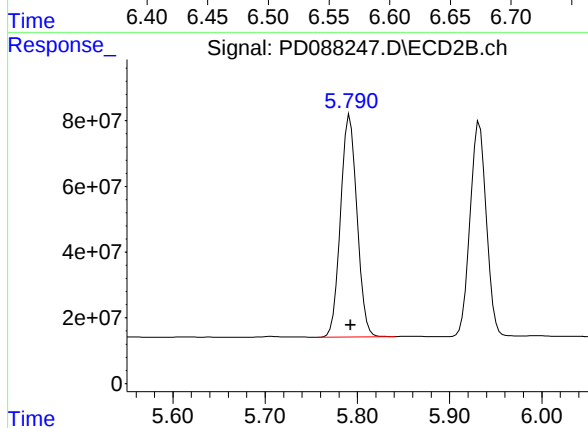
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: -0.001 min
Response: 950185360
Conc: 47.67 ng/ml



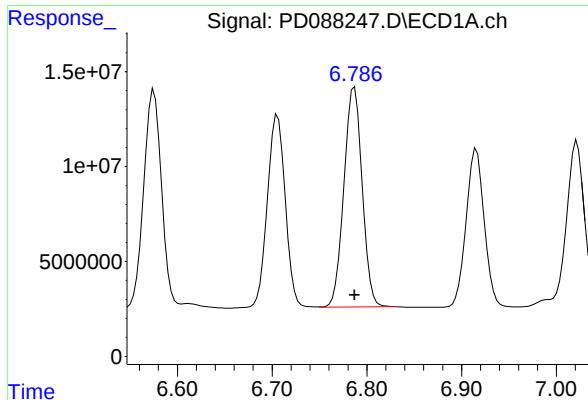
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 146341947
Conc: 49.07 ng/ml



#14 Endrin

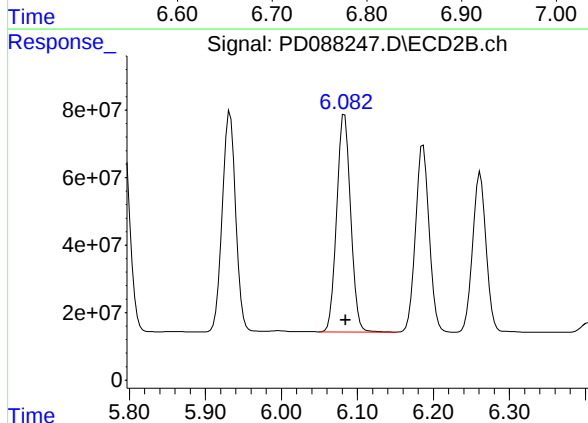
R.T.: 5.792 min
Delta R.T.: -0.001 min
Response: 834373578
Conc: 45.84 ng/ml



#15 Endosulfan II

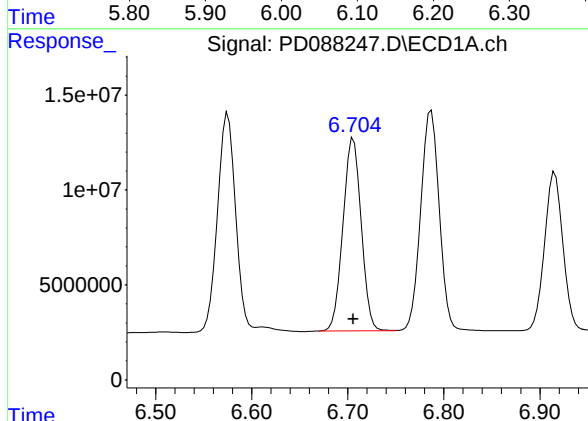
R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 155114039
Conc: 49.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



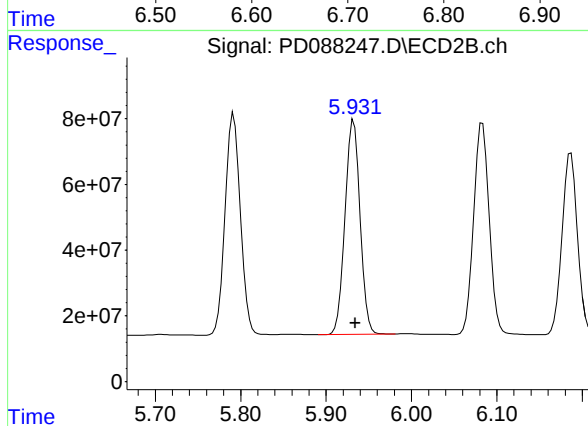
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.001 min
Response: 816487964
Conc: 46.60 ng/ml



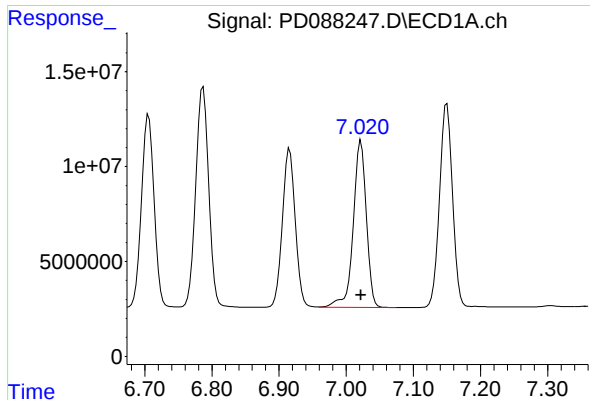
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 132719486
Conc: 52.77 ng/ml



#16 4,4'-DDD

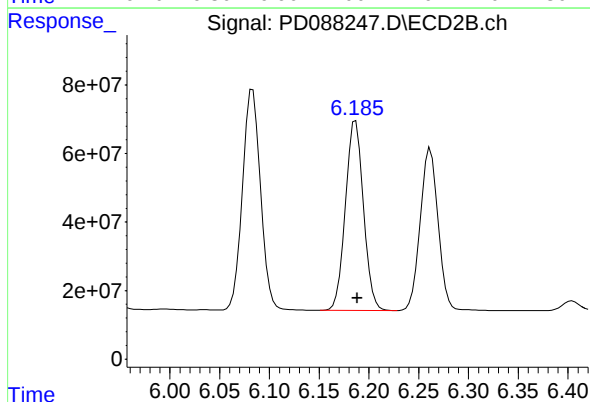
R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 800223704
Conc: 48.84 ng/ml



#17 4,4'-DDT

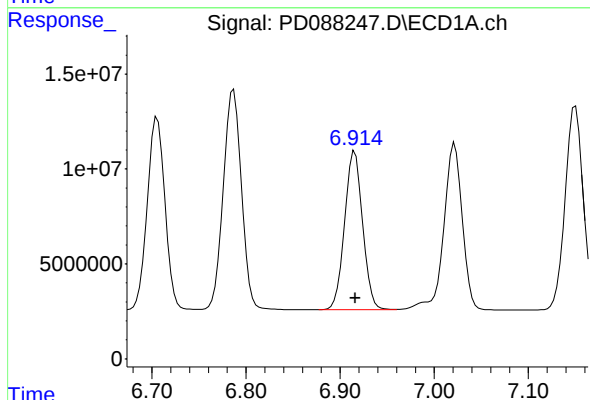
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 119692626
Conc: 43.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



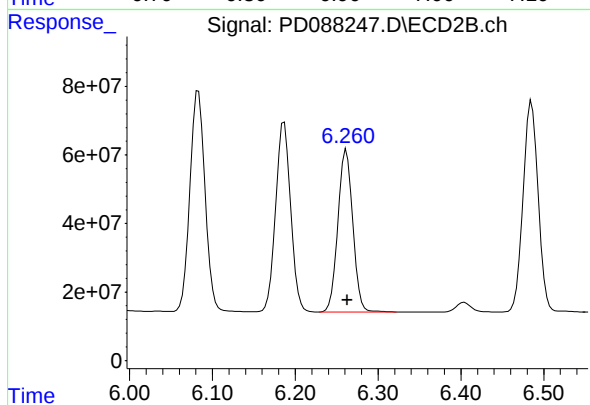
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 699357122
Conc: 41.10 ng/ml



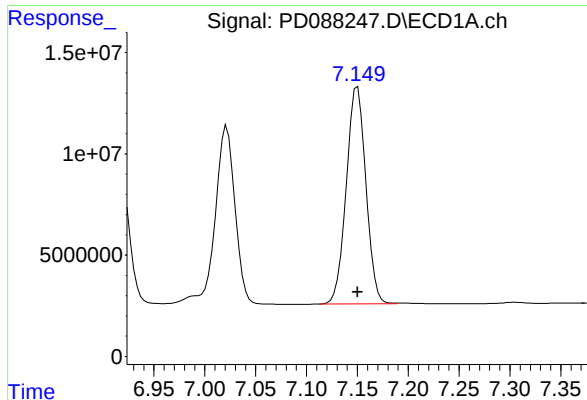
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 111151692
Conc: 48.16 ng/ml



#18 Endrin aldehyde

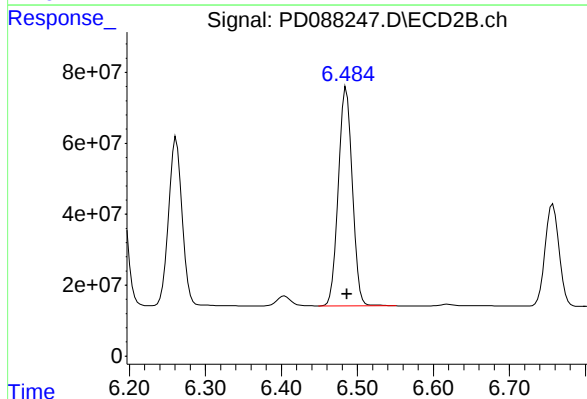
R.T.: 6.262 min
Delta R.T.: -0.001 min
Response: 589943895
Conc: 44.35 ng/ml



#19 Endosulfan Sulfate

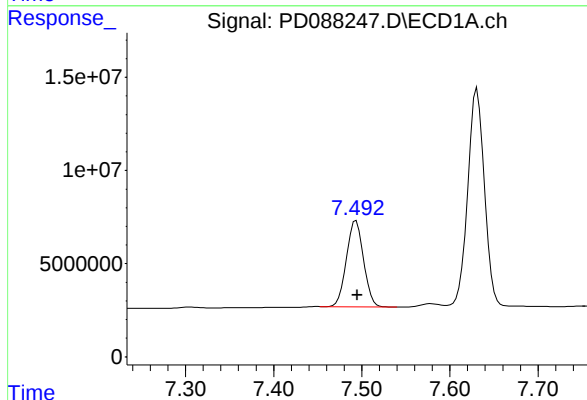
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 143780511
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



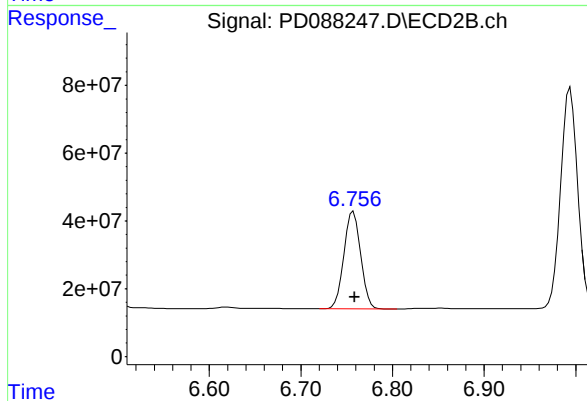
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 782953842
Conc: 45.70 ng/ml



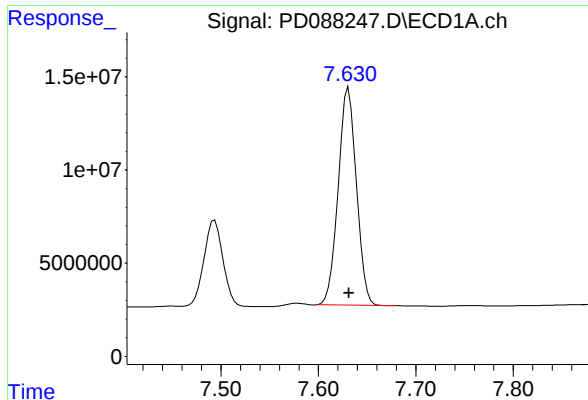
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: -0.001 min
Response: 62420312
Conc: 41.63 ng/ml



#20 Methoxychlor

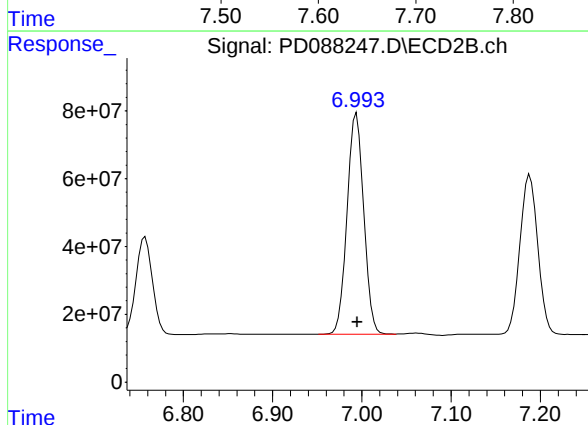
R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 368007864
Conc: 40.35 ng/ml



#21 Endrin ketone

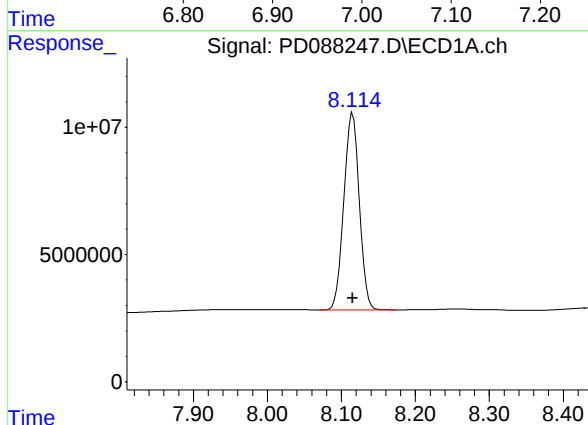
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 151468691
Conc: 49.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



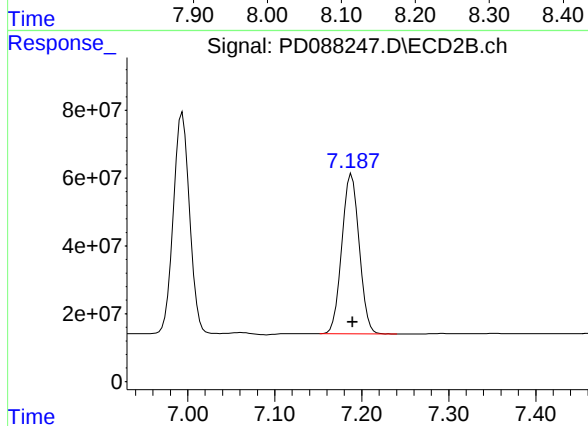
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 846408792
Conc: 45.25 ng/ml



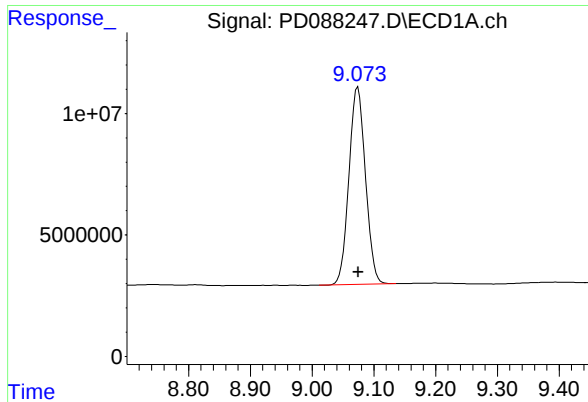
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 112486036
Conc: 47.90 ng/ml



#22 Mirex

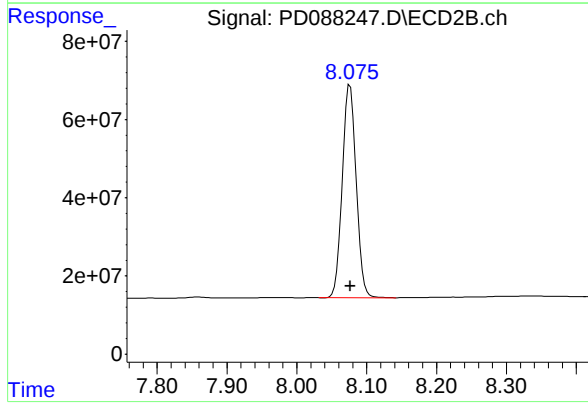
R.T.: 7.188 min
Delta R.T.: -0.001 min
Response: 657329553
Conc: 44.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 151087049
Conc: 45.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 754429813
Conc: 40.83 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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 09:46 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 09:46 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00



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CALIBRATION VERIFICATION SUMMARY

 Contract: POWE02

 Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

 Client Sample No.: CCAL03 Date Analyzed: 04/28/2025

 Lab Sample No.: PSTDCCC050 Data File : PD088290.D Time Analyzed: 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.606	6.806	50.200	50.000	0.4
4,4'-DDE	6.203	6.097	6.297	49.670	50.000	-0.7
4,4'-DDT	7.027	6.922	7.122	49.970	50.000	-0.1
Aldrin	5.278	5.173	5.373	49.760	50.000	-0.5
Decachlorobiphenyl	9.079	8.975	9.175	45.380	50.000	-9.2
Dieldrin	6.353	6.249	6.449	50.890	50.000	1.8
Tetrachloro-m-xylene	3.556	3.452	3.652	48.690	50.000	-2.6



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL03 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD088290.D Time Analyzed: 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.932	5.834	6.034	44.700	50.000	-10.6
4,4'-DDE	5.378	5.280	5.480	45.050	50.000	-9.9
4,4'-DDT	6.187	6.088	6.288	45.420	50.000	-9.2
Aldrin	4.371	4.273	4.473	45.140	50.000	-9.7
Decachlorobiphenyl	8.076	7.977	8.177	40.250	50.000	-19.5
Dieldrin	5.516	5.417	5.617	45.200	50.000	-9.6
Tetrachloro-m-xylene	2.880	2.783	2.983	44.950	50.000	-10.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
 Data File : PD088290.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 09:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:17:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.880	97246679	657.3E6	48.687	44.952
28)	SA Decachlor...	9.079	8.076	150.1E6	743.8E6	45.380	40.251
Target Compounds							
2)	A alpha-BHC	4.006	3.394	218.2E6	1038.1E6	50.600	45.407
3)	MA gamma-BHC...	4.337	3.731	213.5E6	963.4E6	50.988	44.727
4)	MA Heptachlor	4.937	4.085	204.1E6	958.2E6	50.532	44.780
5)	MB Aldrin	5.278	4.371	196.5E6	939.1E6	49.765	45.143
6)	B beta-BHC	4.522	4.027	76156212	423.6E6	46.912	45.772
7)	B delta-BHC	4.770	4.264	197.3E6	963.3E6	47.825	45.306
8)	B Heptachlo...	5.698	4.875	171.0E6	851.6E6	47.839	45.071
9)	A Endosulfan I	6.081	5.250	170.0E6	811.6E6	50.349	45.060
10)	B gamma-Chl...	5.953	5.128	181.4E6	915.9E6	50.081	45.129
11)	B alpha-Chl...	6.034	5.193	181.9E6	882.2E6	50.397	45.004
12)	B 4,4'-DDE	6.203	5.378	163.8E6	887.3E6	49.670	45.052
13)	MA Dieldrin	6.353	5.516	181.6E6	900.9E6	50.887	45.196
14)	MA Endrin	6.581	5.792	150.6E6	807.3E6	50.500	44.352
15)	B Endosulfa...	6.792	6.083	153.8E6	781.2E6	49.185	44.584
16)	A 4,4'-DDD	6.711	5.932	126.3E6	732.4E6	50.202	44.698
17)	MA 4,4'-DDT	7.027	6.187	138.8E6	772.9E6	49.968	45.421
18)	B Endrin al...	6.921	6.262	116.7E6	592.6E6	50.543	44.556
19)	B Endosulfa...	7.156	6.485	142.0E6	752.0E6	49.361	43.893
20)	A Methoxychlor	7.499	6.758	72867629	392.7E6	48.593	43.059
21)	B Endrin ke...	7.636	6.995	150.8E6	808.3E6	48.862	43.214
22)	Mirex	8.120	7.189	110.5E6	624.5E6	47.072	42.138

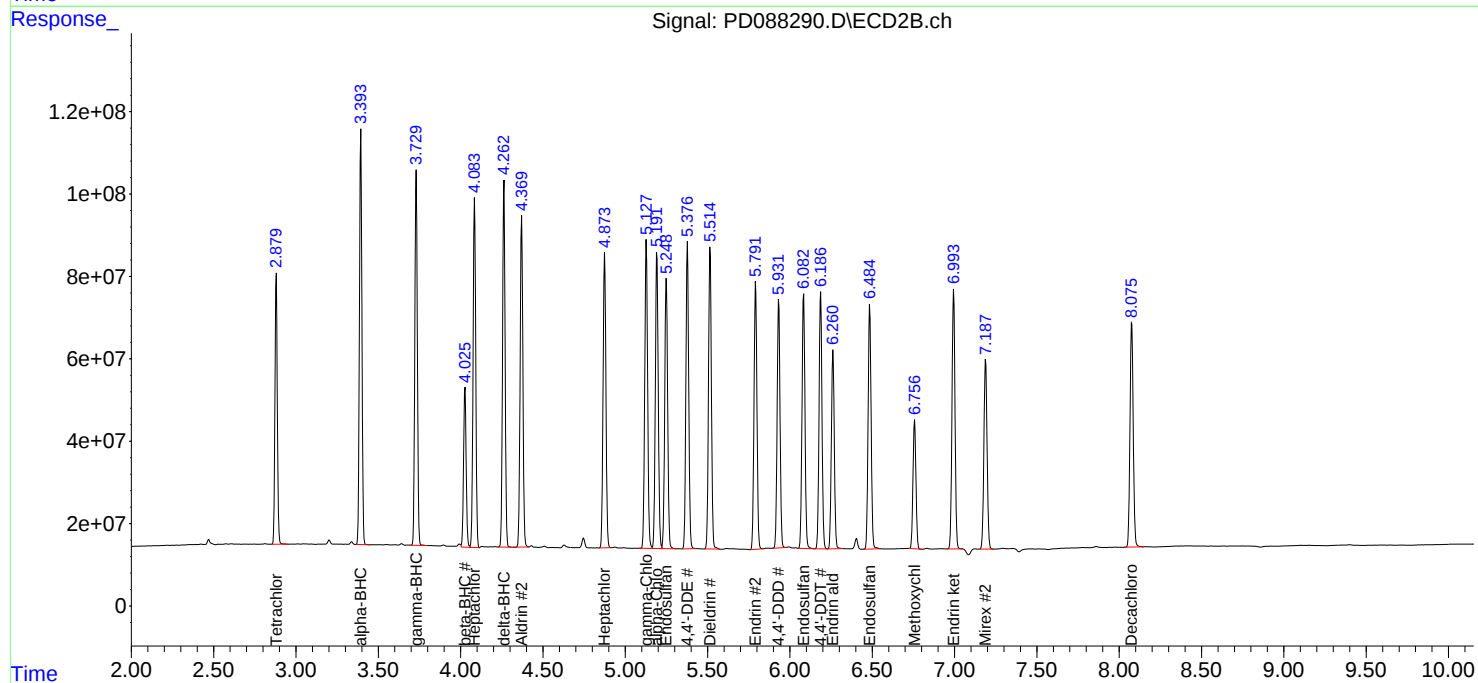
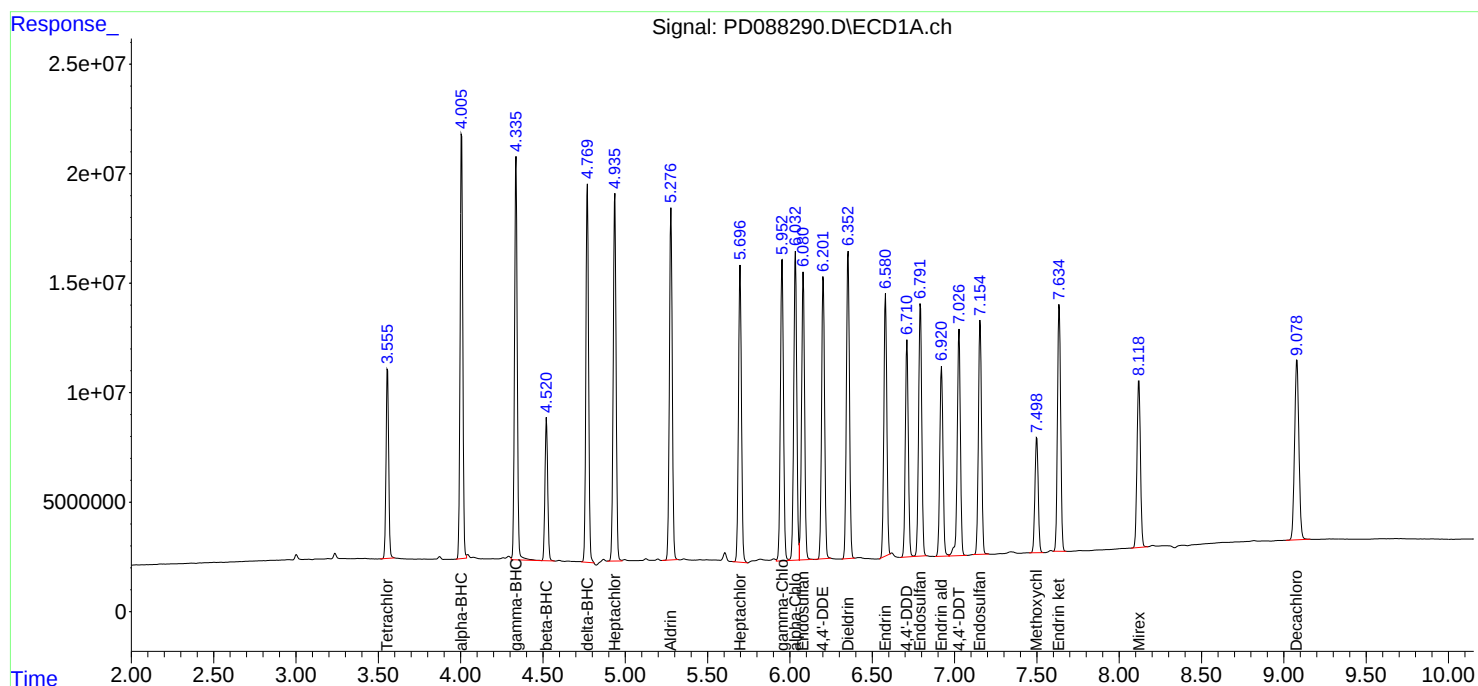
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

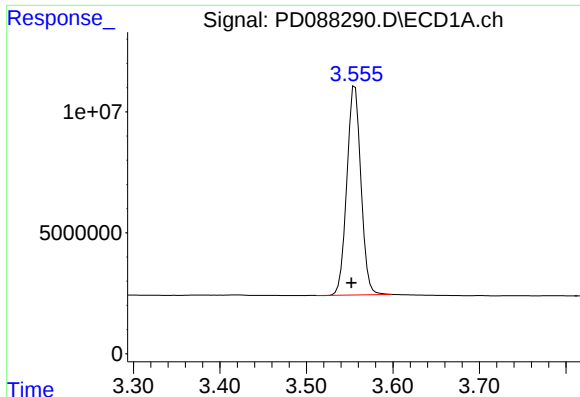
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 09:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

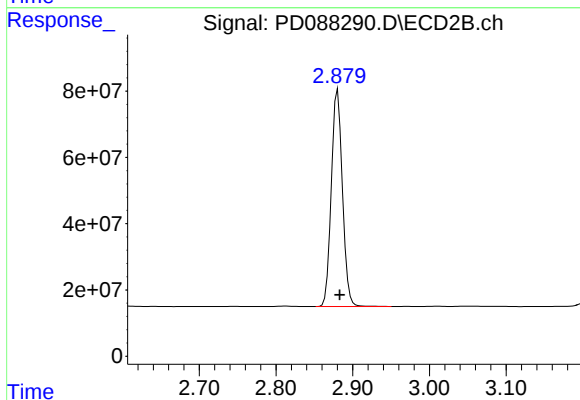




#1 Tetrachloro-m-xylene

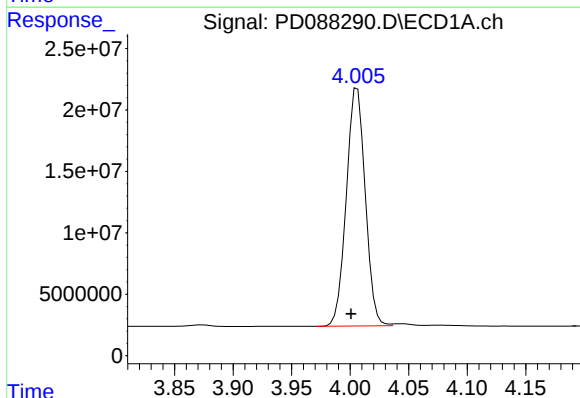
R.T.: 3.556 min
Delta R.T.: 0.004 min
Response: 97246679
Conc: 48.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



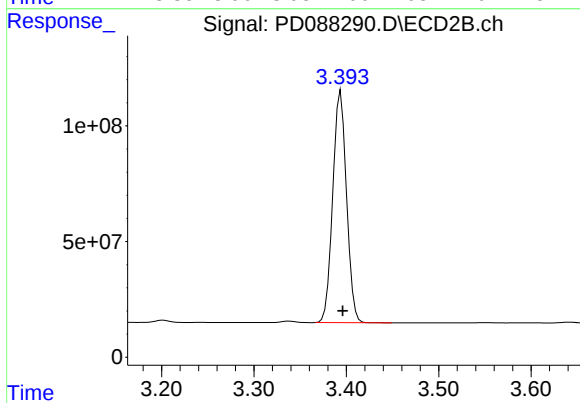
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 657277870
Conc: 44.95 ng/ml



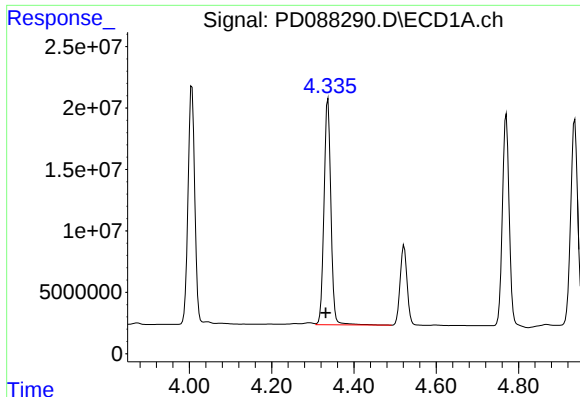
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.005 min
Response: 218188456
Conc: 50.60 ng/ml



#2 alpha-BHC

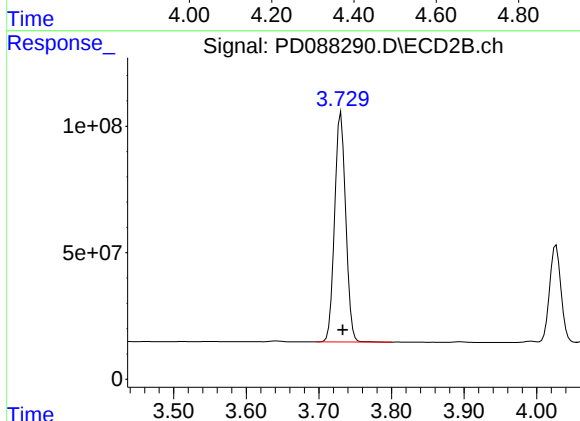
R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 1038069647
Conc: 45.41 ng/ml



#3 gamma-BHC (Lindane)

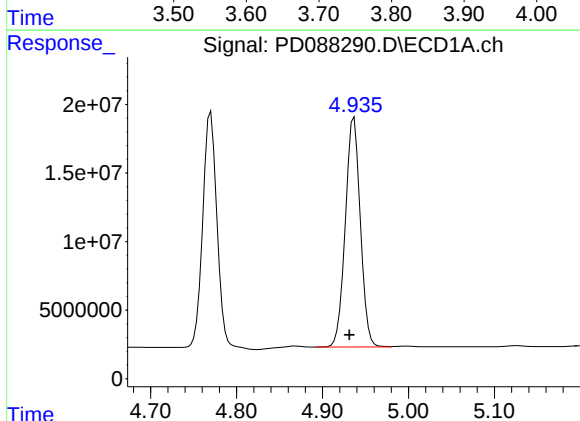
R.T.: 4.337 min
Delta R.T.: 0.005 min
Response: 213512446
Conc: 50.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



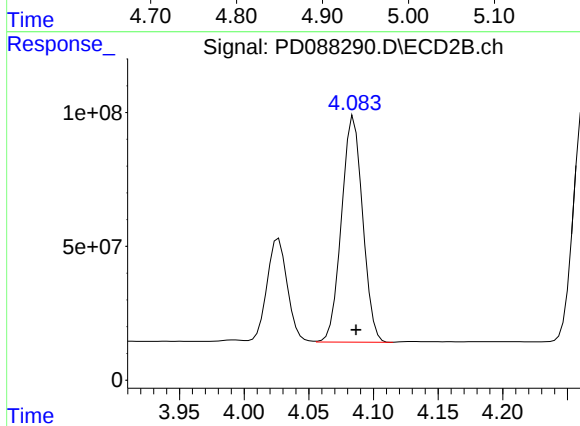
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 963354183
Conc: 44.73 ng/ml



#4 Heptachlor

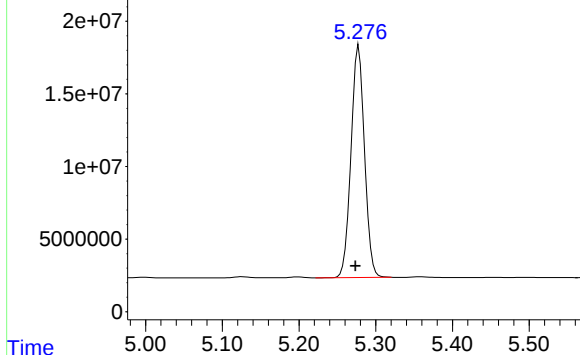
R.T.: 4.937 min
Delta R.T.: 0.005 min
Response: 204096044
Conc: 50.53 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 958205007
Conc: 44.78 ng/ml

Response_ Signal: PD088290.D\ECD1A.ch

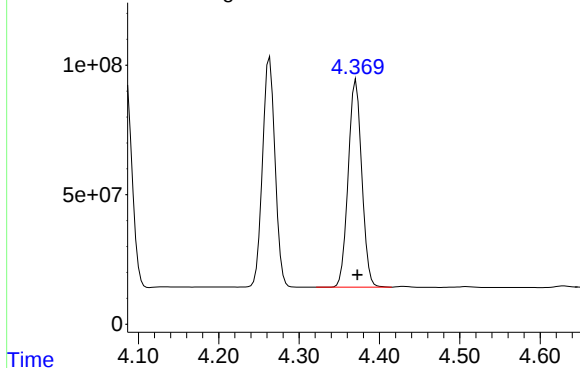


#5 Aldrin

R.T.: 5.278 min
Delta R.T.: 0.005 min
Response: 196549536
Conc: 49.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

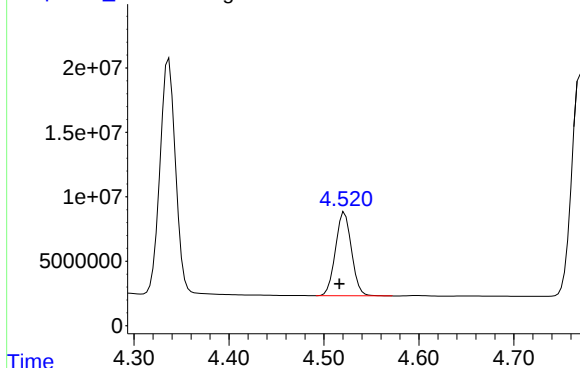
Response_ Signal: PD088290.D\ECD2B.ch



#5 Aldrin

R.T.: 4.371 min
Delta R.T.: -0.002 min
Response: 939098667
Conc: 45.14 ng/ml

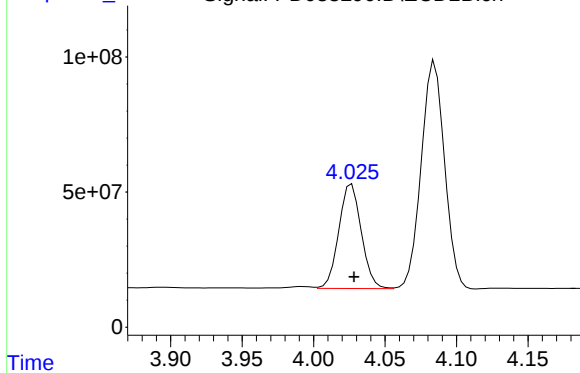
Response_ Signal: PD088290.D\ECD1A.ch



#6 beta-BHC

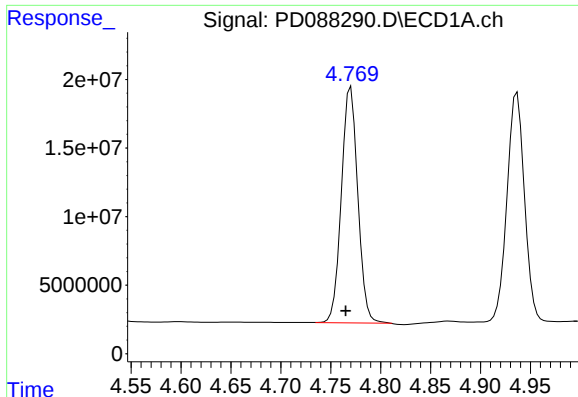
R.T.: 4.522 min
Delta R.T.: 0.006 min
Response: 76156212
Conc: 46.91 ng/ml

Response_ Signal: PD088290.D\ECD2B.ch



#6 beta-BHC

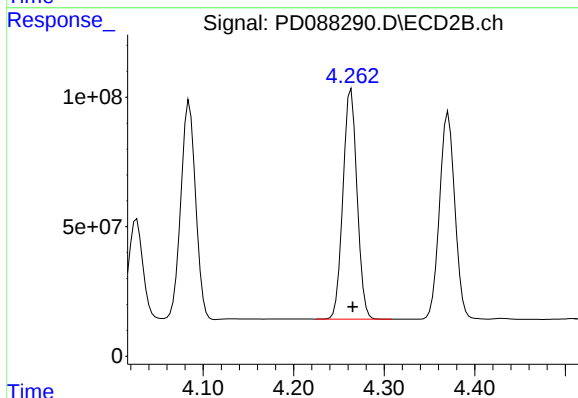
R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 423575074
Conc: 45.77 ng/ml



#7 delta-BHC

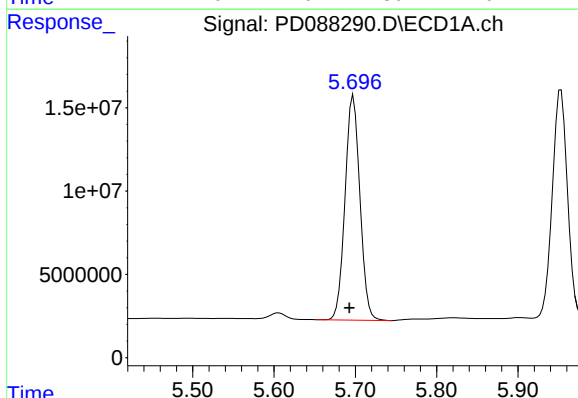
R.T.: 4.770 min
Delta R.T.: 0.005 min
Response: 197276333
Conc: 47.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



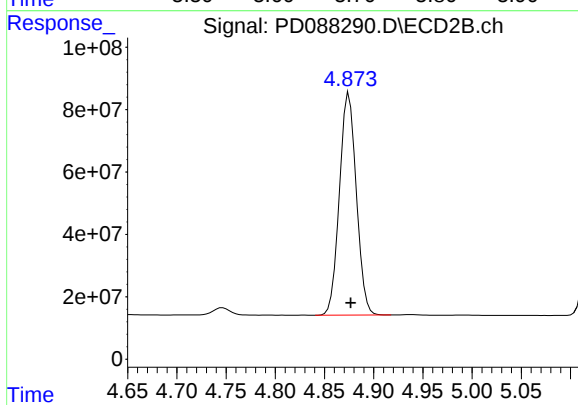
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.002 min
Response: 963270941
Conc: 45.31 ng/ml



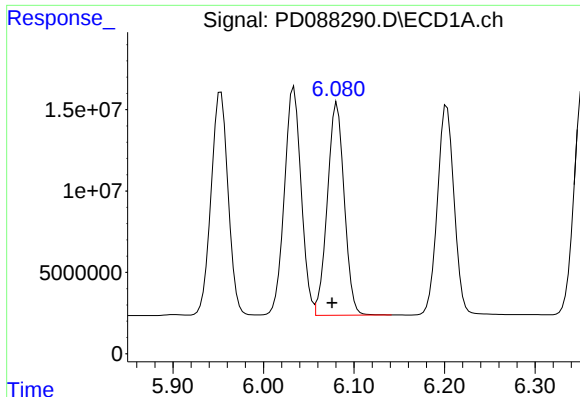
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.005 min
Response: 170975095
Conc: 47.84 ng/ml



#8 Heptachlor epoxide

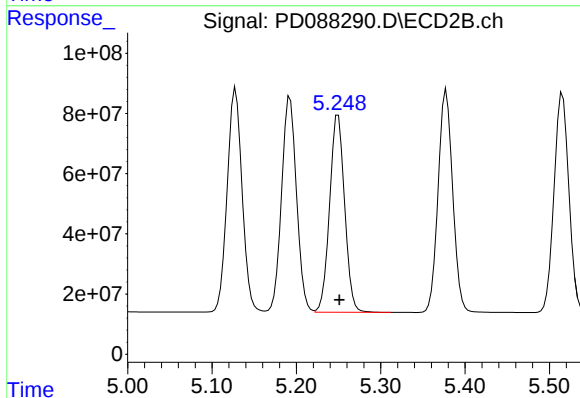
R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 851576898
Conc: 45.07 ng/ml



#9 Endosulfan I

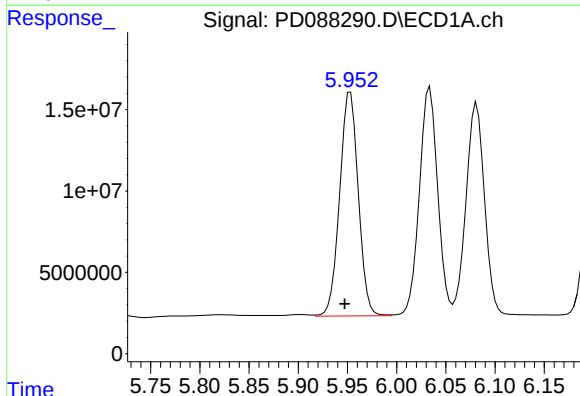
R.T.: 6.081 min
Delta R.T.: 0.005 min
Response: 170036562
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



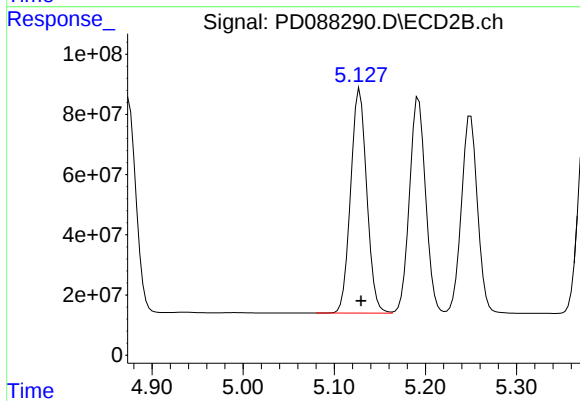
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: -0.002 min
Response: 811644218
Conc: 45.06 ng/ml



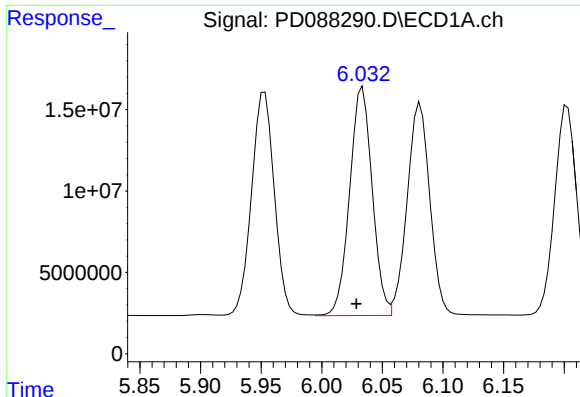
#10 gamma-Chlordane

R.T.: 5.953 min
Delta R.T.: 0.006 min
Response: 181395336
Conc: 50.08 ng/ml



#10 gamma-Chlordane

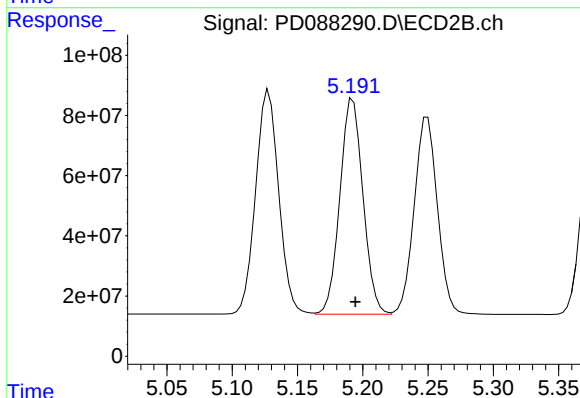
R.T.: 5.128 min
Delta R.T.: -0.001 min
Response: 915927824
Conc: 45.13 ng/ml



#11 alpha-Chlordane

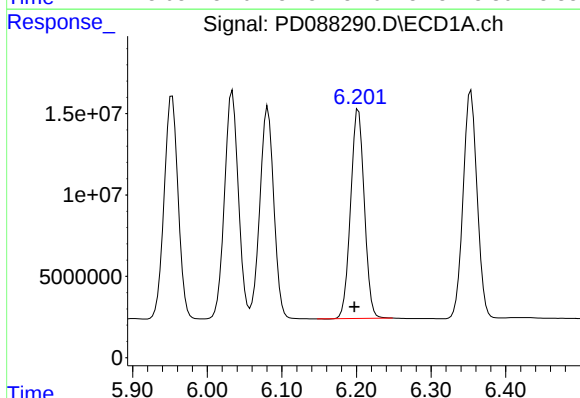
R.T.: 6.034 min
Delta R.T.: 0.005 min
Response: 181912705
Conc: 50.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



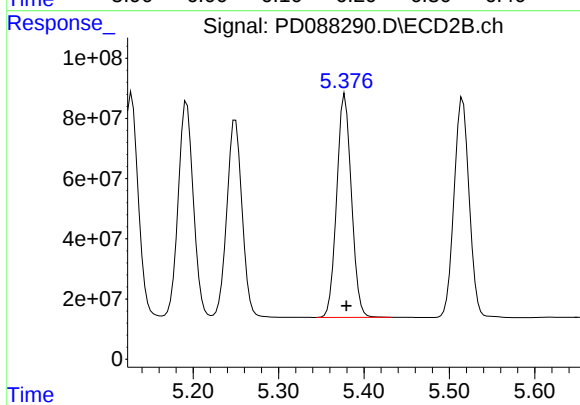
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 882204186
Conc: 45.00 ng/ml



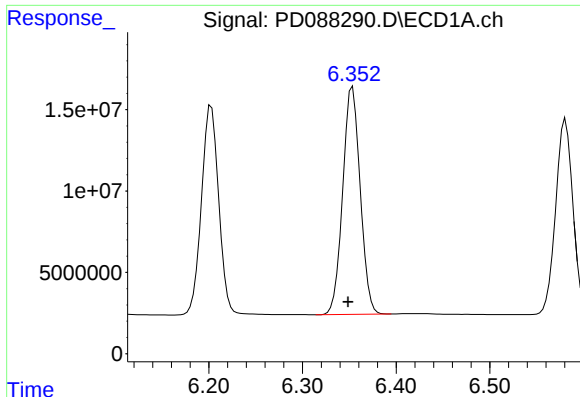
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.005 min
Response: 163823941
Conc: 49.67 ng/ml



#12 4,4'-DDE

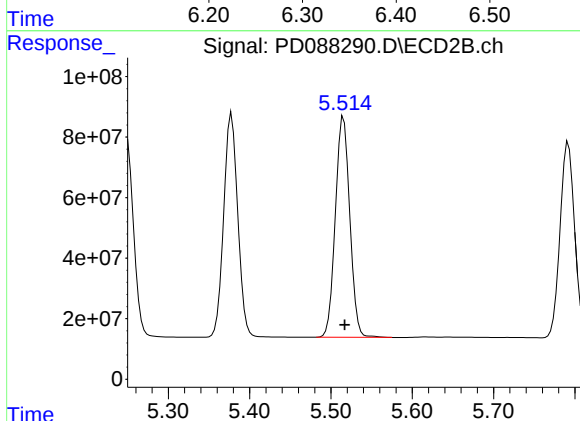
R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 887261563
Conc: 45.05 ng/ml



#13 Dieldrin

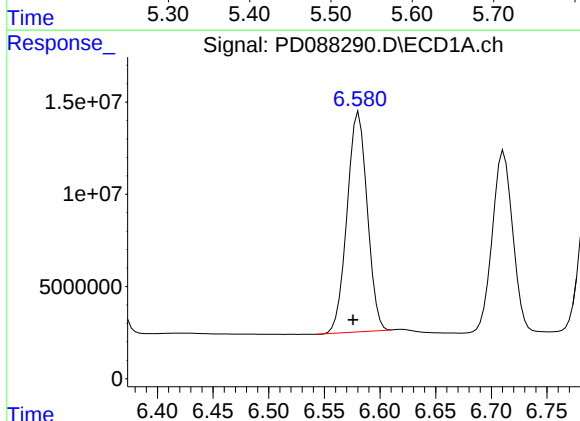
R.T.: 6.353 min
Delta R.T.: 0.005 min
Response: 181590250
Conc: 50.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



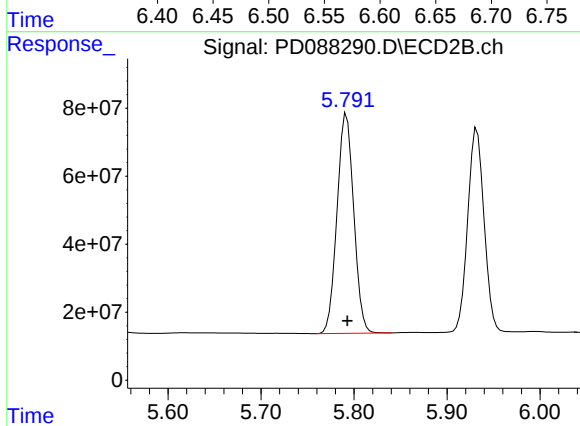
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: -0.001 min
Response: 900888876
Conc: 45.20 ng/ml



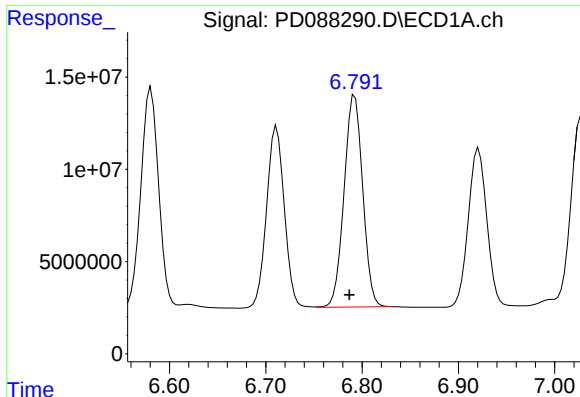
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.005 min
Response: 150619483
Conc: 50.50 ng/ml



#14 Endrin

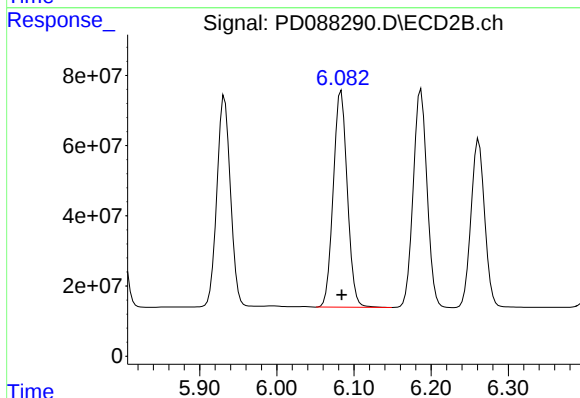
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 807308449
Conc: 44.35 ng/ml



#15 Endosulfan II

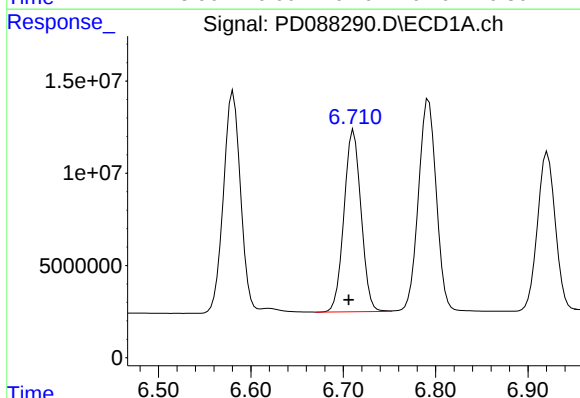
R.T.: 6.792 min
Delta R.T.: 0.005 min
Response: 153761293
Conc: 49.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



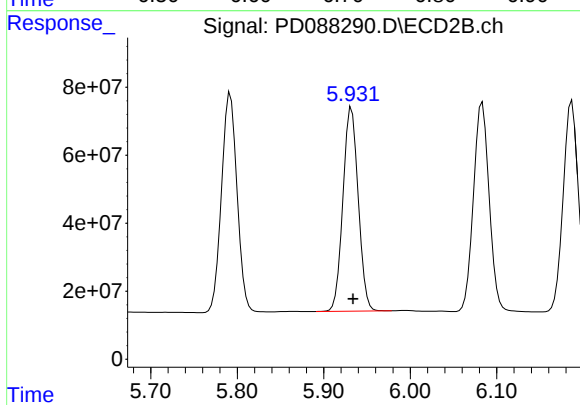
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 781193837
Conc: 44.58 ng/ml



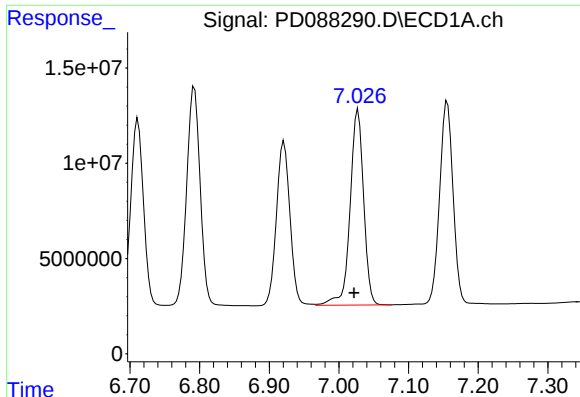
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.005 min
Response: 126257003
Conc: 50.20 ng/ml



#16 4,4'-DDD

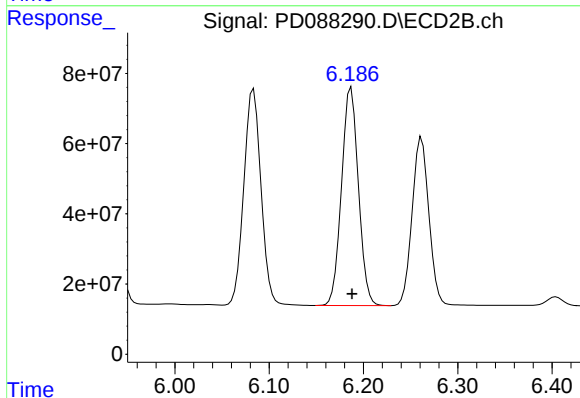
R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 732422085
Conc: 44.70 ng/ml



#17 4,4'-DDT

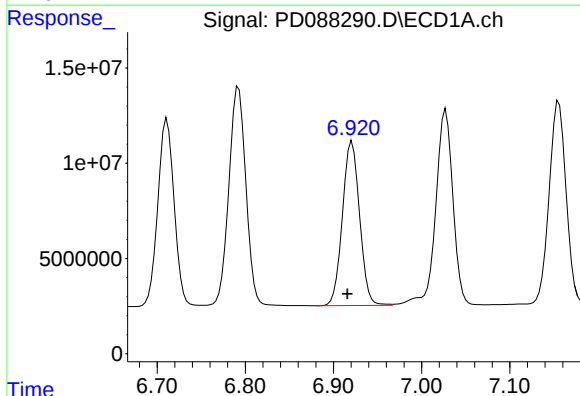
R.T.: 7.027 min
Delta R.T.: 0.006 min
Response: 138788329
Conc: 49.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



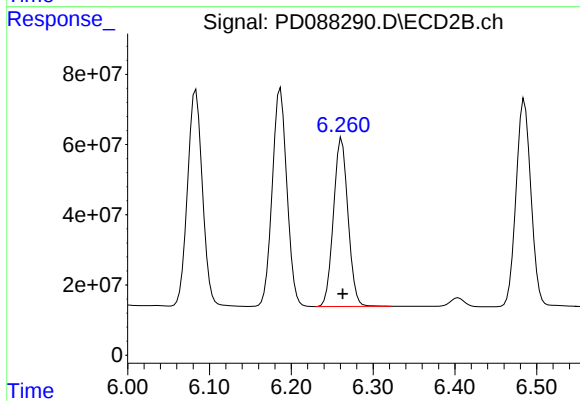
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 772907159
Conc: 45.42 ng/ml



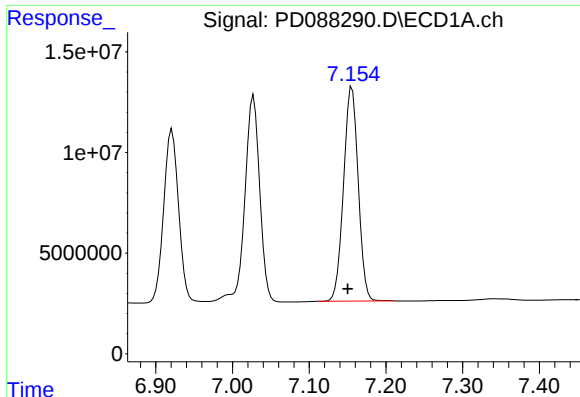
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.005 min
Response: 116652672
Conc: 50.54 ng/ml



#18 Endrin aldehyde

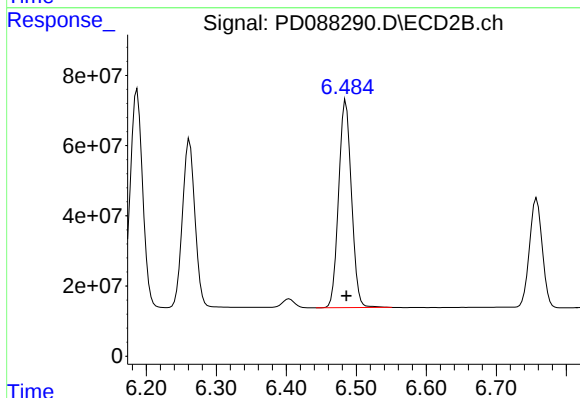
R.T.: 6.262 min
Delta R.T.: -0.001 min
Response: 592633760
Conc: 44.56 ng/ml



#19 Endosulfan Sulfate

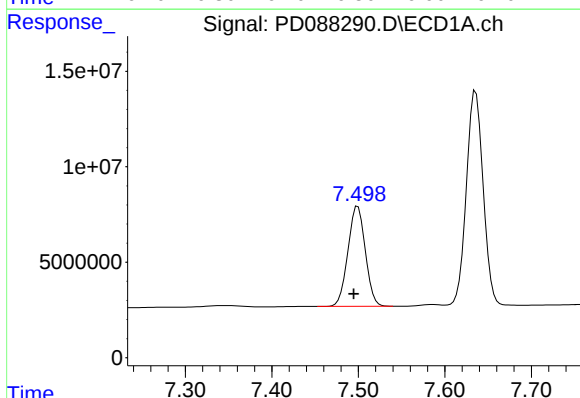
R.T.: 7.156 min
Delta R.T.: 0.005 min
Response: 141953987
Conc: 49.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



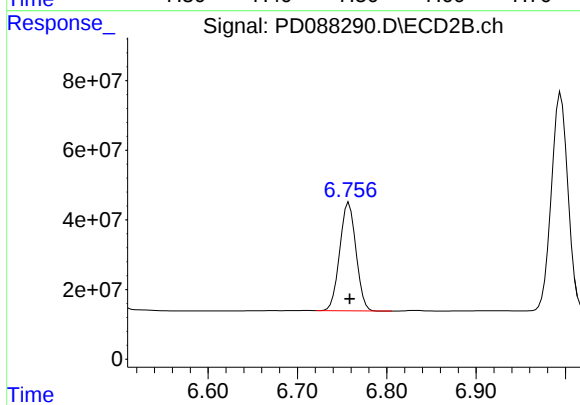
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: -0.001 min
Response: 752030690
Conc: 43.89 ng/ml



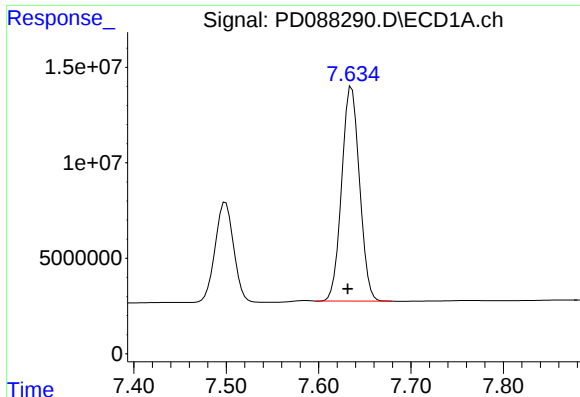
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.005 min
Response: 72867629
Conc: 48.59 ng/ml



#20 Methoxychlor

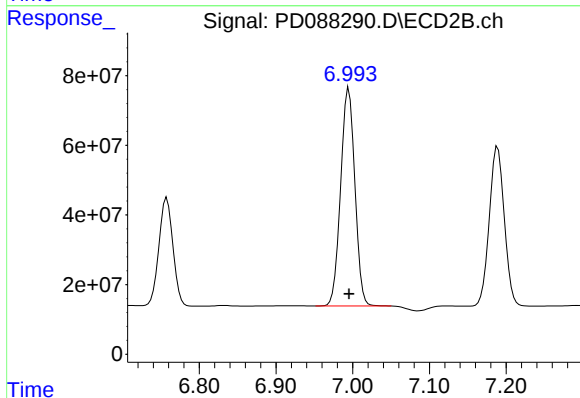
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 392740790
Conc: 43.06 ng/ml



#21 Endrin ketone

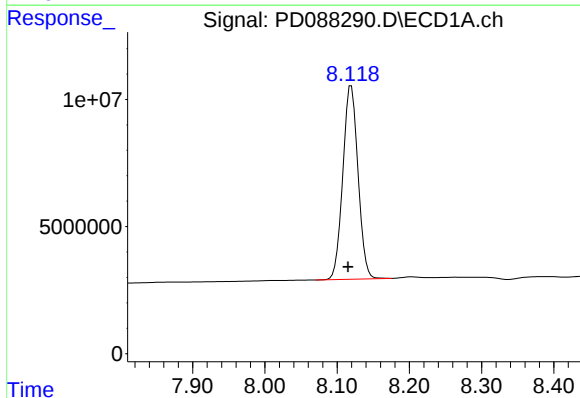
R.T.: 7.636 min
Delta R.T.: 0.004 min
Response: 150815348
Conc: 48.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



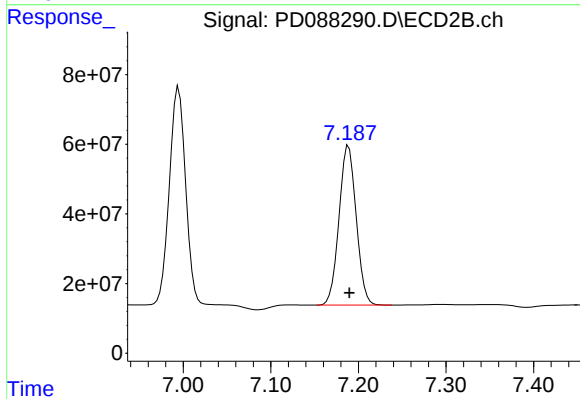
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 808281701
Conc: 43.21 ng/ml



#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.004 min
Response: 110539172
Conc: 47.07 ng/ml



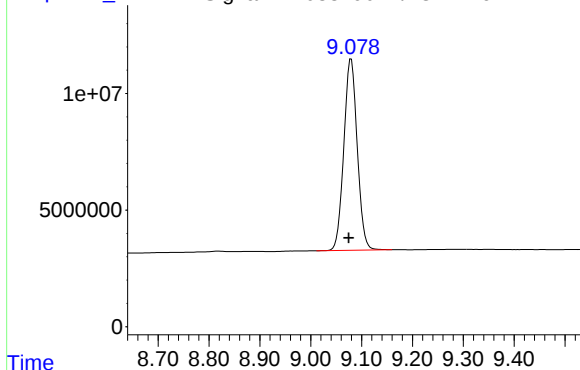
#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 624527956
Conc: 42.14 ng/ml

Response_

Signal: PD088290.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.079 min

Delta R.T.: 0.005 min

Response: 150120462

Conc: 45.38 ng/ml

Instrument :

ECD_D

ClientSampleId :

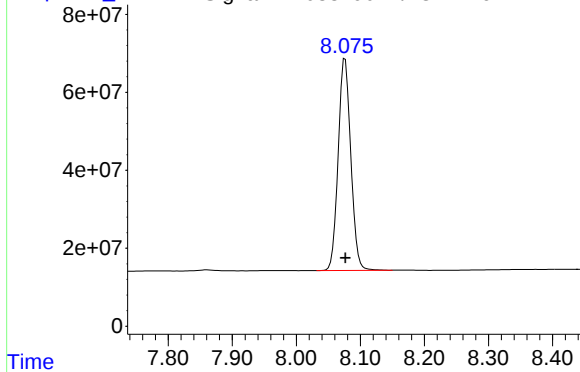
PSTDCCC050

Time

Response_

Signal: PD088290.D\ECD2B.ch

#28 Decachlorobiphenyl



Time

R.T.: 8.076 min

Delta R.T.: 0.000 min

Response: 743820772

Conc: 40.25 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.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:10 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:10 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL04 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD088303.D Time Analyzed: 15:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.714	6.606	6.806	52.640	50.000	5.3
4,4'-DDE	6.204	6.097	6.297	50.750	50.000	1.5
4,4'-DDT	7.030	6.922	7.122	46.560	50.000	-6.9
Aldrin	5.280	5.173	5.373	53.300	50.000	6.6
Decachlorobiphenyl	9.083	8.975	9.175	45.920	50.000	-8.2
Dieldrin	6.356	6.249	6.449	52.730	50.000	5.5
Tetrachloro-m-xylene	3.558	3.452	3.652	51.300	50.000	2.6



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL04 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD088303.D Time Analyzed: 15:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.933	5.834	6.034	47.040	50.000	-5.9
4,4'-DDE	5.379	5.280	5.480	47.880	50.000	-4.2
4,4'-DDT	6.188	6.088	6.288	43.610	50.000	-12.8
Aldrin	4.372	4.273	4.473	48.020	50.000	-4.0
Decachlorobiphenyl	8.077	7.977	8.177	40.440	50.000	-19.1
Dieldrin	5.517	5.417	5.617	47.610	50.000	-4.8
Tetrachloro-m-xylene	2.881	2.783	2.983	47.960	50.000	-4.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
 Data File : PD088303.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 15:10
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:20:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.558	2.881	102.5E6	701.2E6	51.304	47.958
2)	SA Decachlor...	9.083	8.077	151.9E6	747.3E6	45.923	40.438
Target Compounds							
2)	A alpha-BHC	4.007	3.395	230.5E6	1110.6E6	53.453	48.580
3)	MA gamma-BHC...	4.339	3.732	218.3E6	1027.4E6	52.140	47.701
4)	MA Heptachlor	4.938	4.086	209.3E6	985.1E6	51.820	46.035
5)	MB Aldrin	5.280	4.372	210.5E6	998.9E6	53.301	48.020
6)	B beta-BHC	4.523	4.028	83917036	448.7E6	51.693	48.484
7)	B delta-BHC	4.772	4.265	216.2E6	1029.1E6	52.408	48.403
8)	B Heptachlo...	5.700	4.876	184.3E6	903.3E6	51.567	47.809
9)	A Endosulfan I	6.083	5.251	176.7E6	837.4E6	52.324	46.491
10)	B gamma-Chl...	5.953	5.129	189.4E6	972.8E6	52.299m	47.933
11)	B alpha-Chl...	6.036	5.194	189.9E6	931.9E6	52.612	47.538
12)	B 4,4'-DDE	6.204	5.379	167.4E6	943.0E6	50.749	47.882
13)	MA Dieldrin	6.356	5.517	188.2E6	948.9E6	52.734	47.606
14)	MA Endrin	6.583	5.793	153.8E6	856.4E6	51.583	47.051
15)	B Endosulfa...	6.794	6.084	157.2E6	808.5E6	50.285	46.141
16)	A 4,4'-DDD	6.714	5.933	132.4E6	770.8E6	52.637	47.042
17)	MA 4,4'-DDT	7.030	6.188	129.3E6	742.1E6	46.555	43.610
18)	B Endrin al...	6.924	6.262	111.3E6	583.0E6	48.223	43.834
19)	B Endosulfa...	7.158	6.486	143.7E6	777.5E6	49.968	45.382
20)	A Methoxychlor	7.502	6.759	67214599	379.1E6	44.823	41.565
21)	B Endrin ke...	7.638	6.995	150.6E6	829.3E6	48.786	44.338
22)	Mirex	8.122	7.190	108.7E6	632.1E6	46.300	42.646

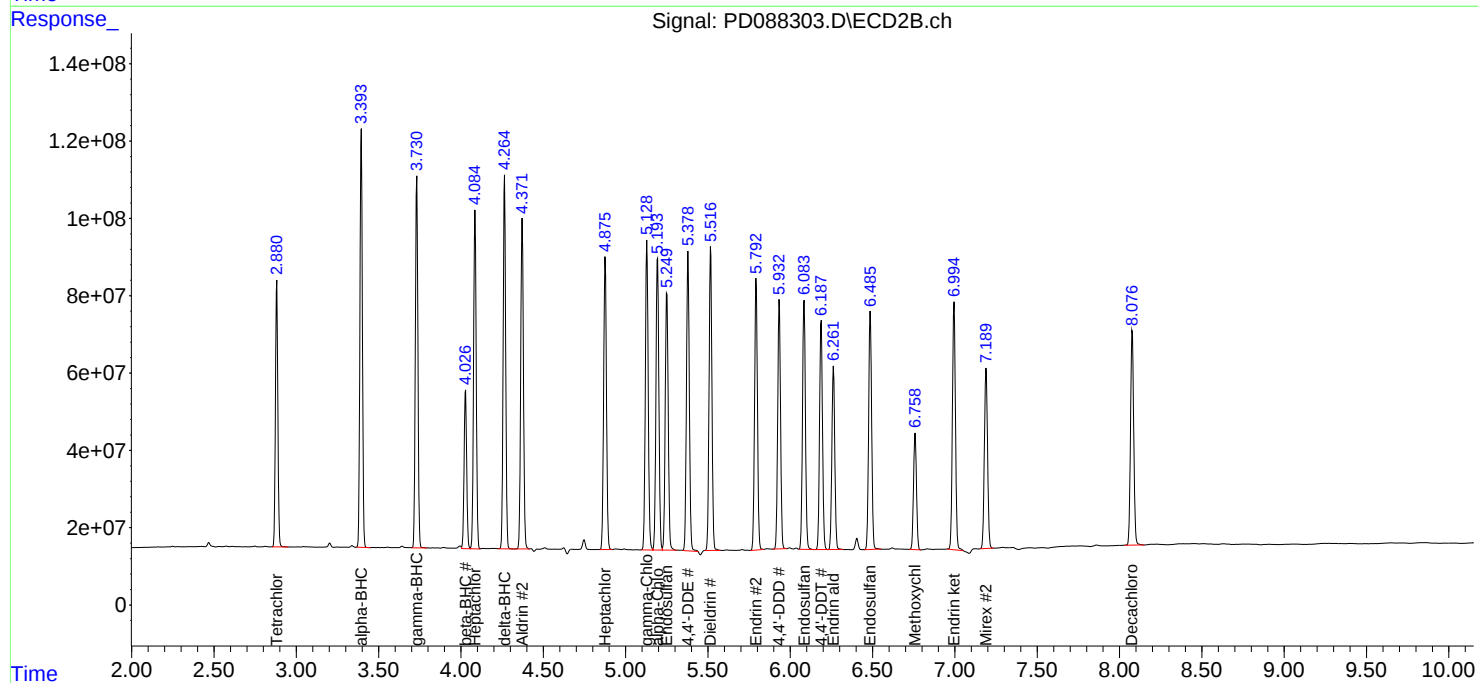
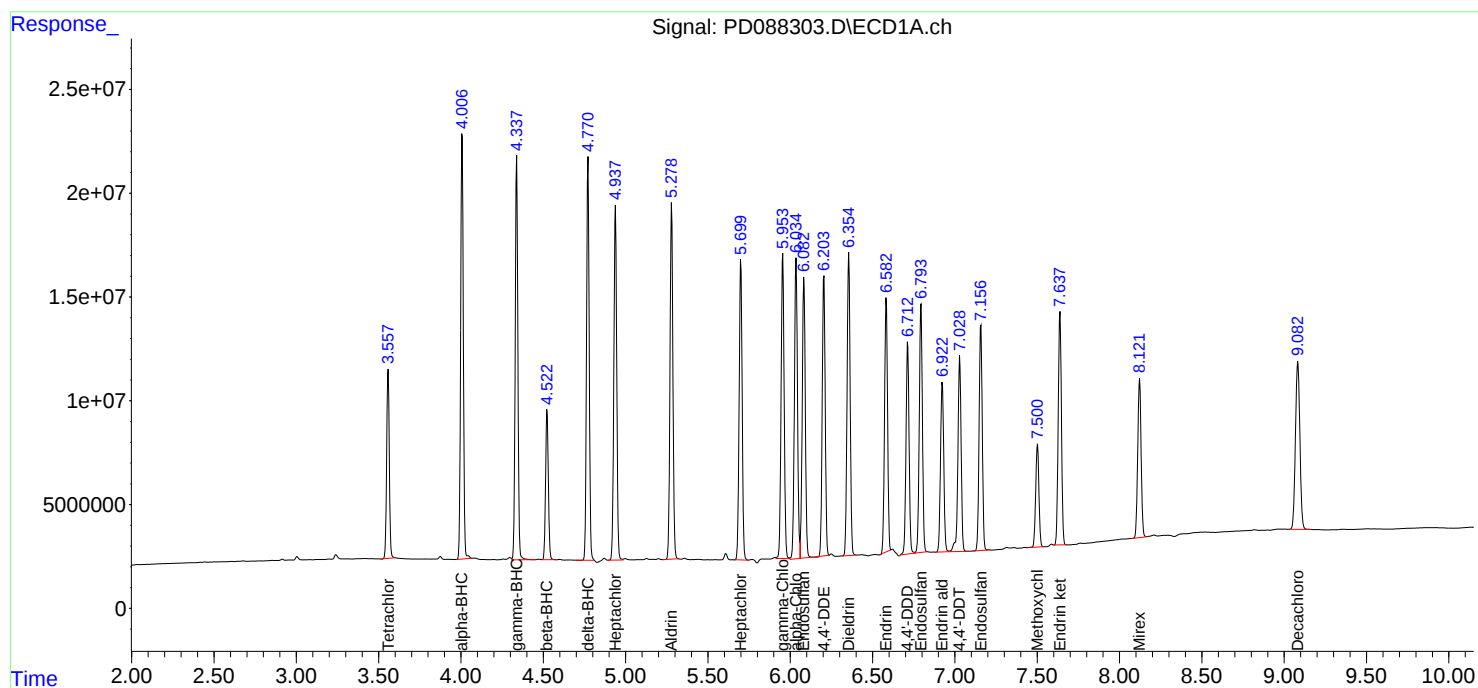
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

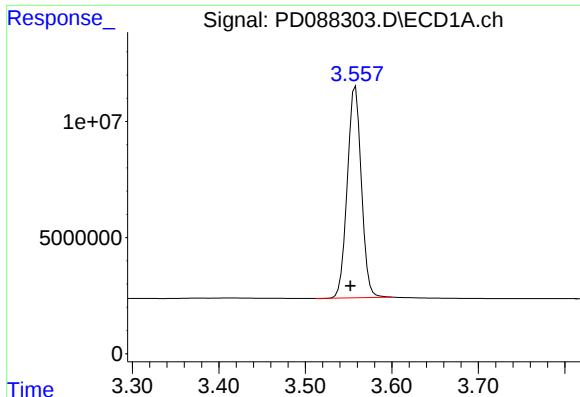
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

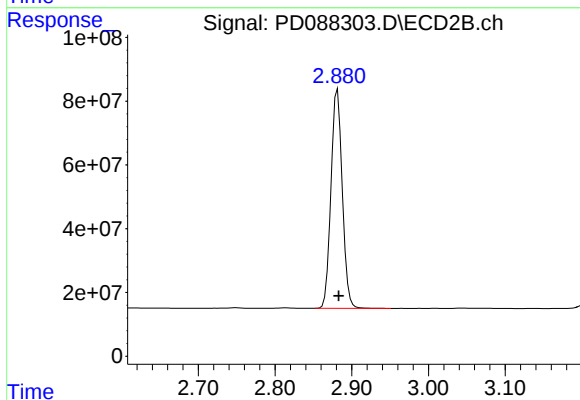




#1 Tetrachloro-m-xylene

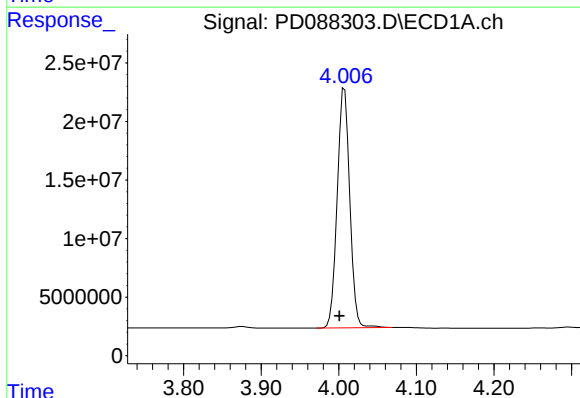
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 102474258
Conc: 51.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



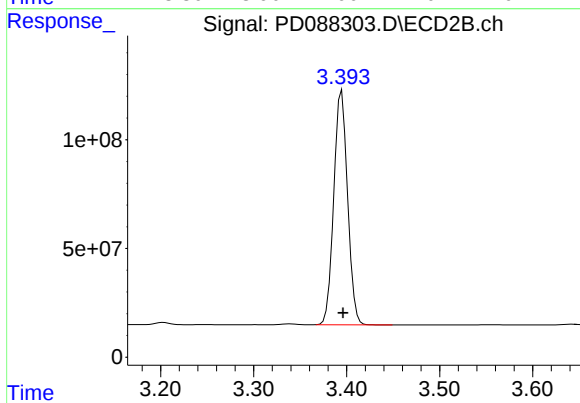
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 701217128
Conc: 47.96 ng/ml



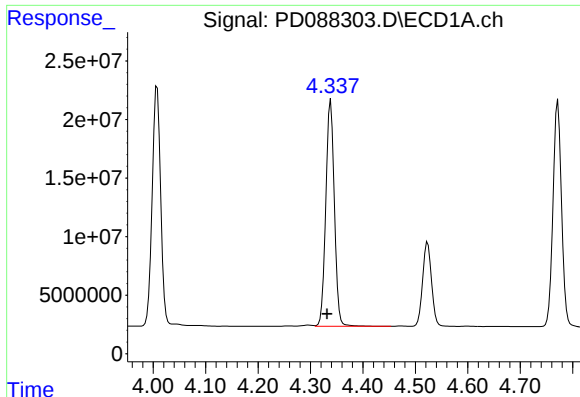
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.006 min
Response: 230487044
Conc: 53.45 ng/ml



#2 alpha-BHC

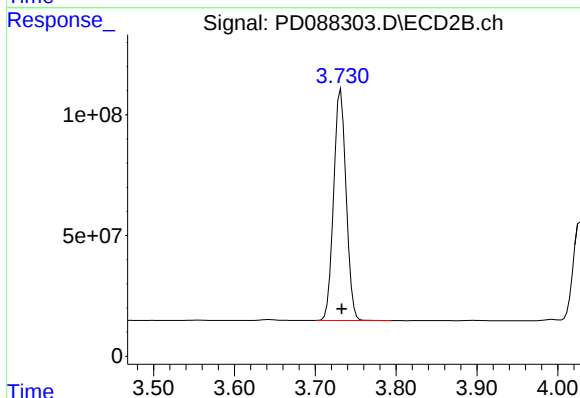
R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 1110609272
Conc: 48.58 ng/ml



#3 gamma-BHC (Lindane)

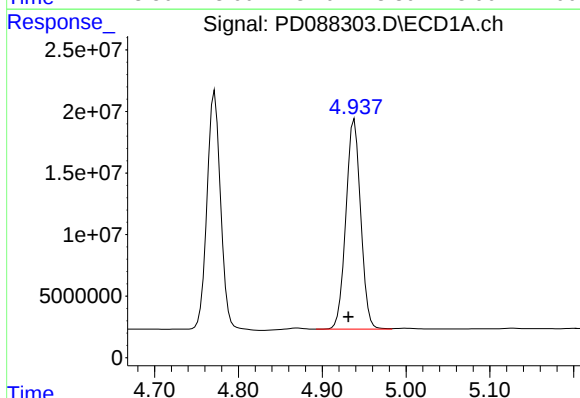
R.T.: 4.339 min
Delta R.T.: 0.007 min
Response: 218335023
Conc: 52.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



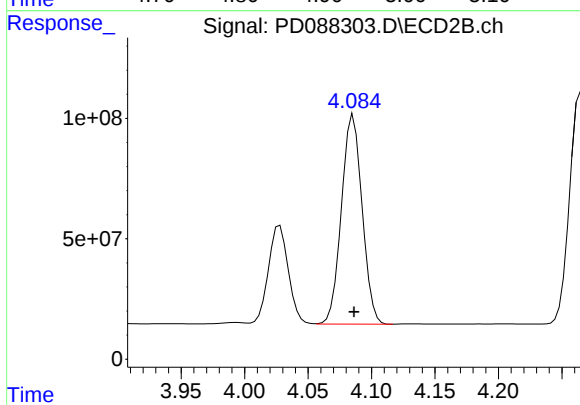
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 1027415679
Conc: 47.70 ng/ml



#4 Heptachlor

R.T.: 4.938 min
Delta R.T.: 0.007 min
Response: 209300172
Conc: 51.82 ng/ml



#4 Heptachlor

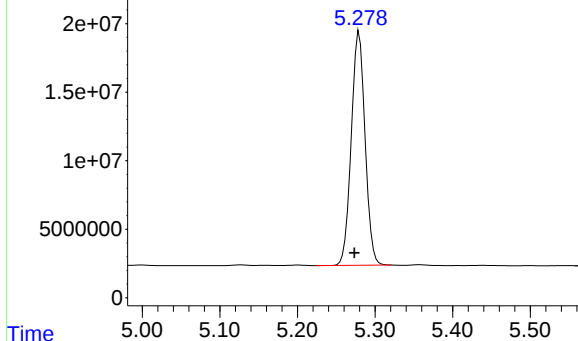
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 985061468
Conc: 46.03 ng/ml

Response_ Signal: PD088303.D\ECD1A.ch

#5 Aldrin

R.T.: 5.280 min
Delta R.T.: 0.006 min
Response: 210515441
Conc: 53.30 ng/ml

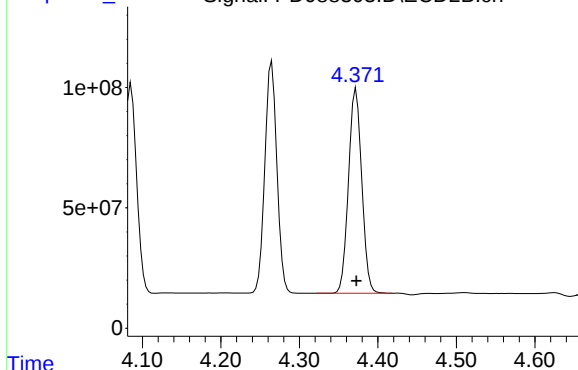
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Time Response_ Signal: PD088303.D\ECD2B.ch

#5 Aldrin

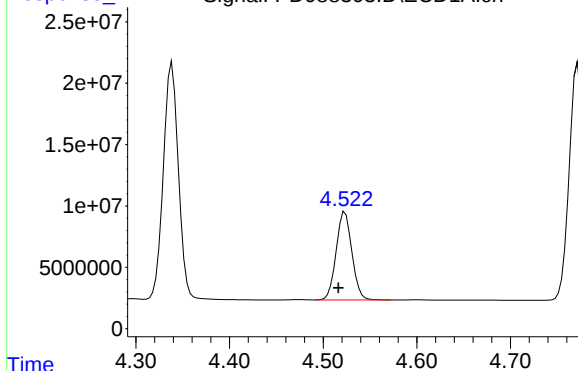
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 998943995
Conc: 48.02 ng/ml



Time Response_ Signal: PD088303.D\ECD1A.ch

#6 beta-BHC

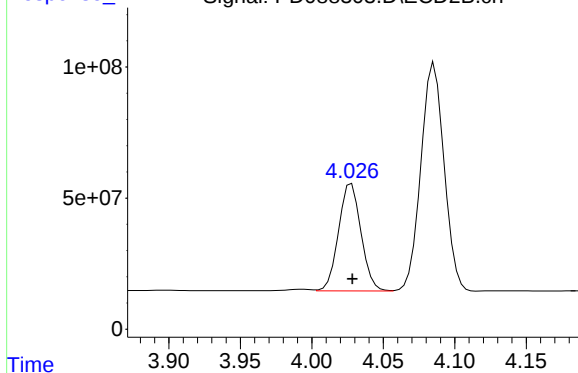
R.T.: 4.523 min
Delta R.T.: 0.007 min
Response: 83917036
Conc: 51.69 ng/ml

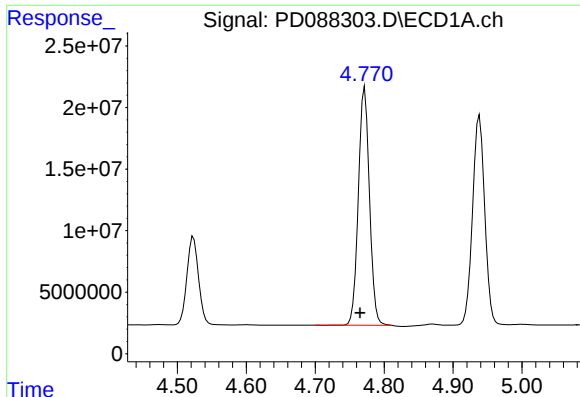


Time Response_ Signal: PD088303.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 448678402
Conc: 48.48 ng/ml

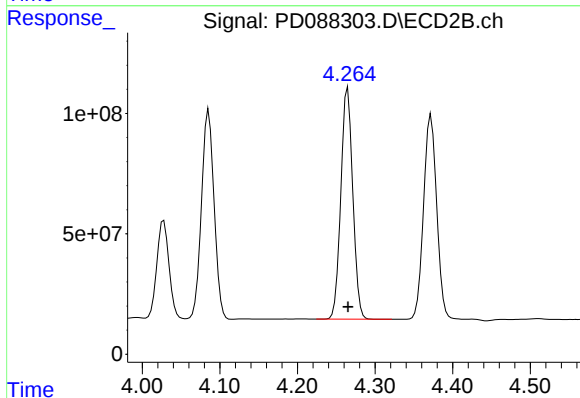




#7 delta-BHC

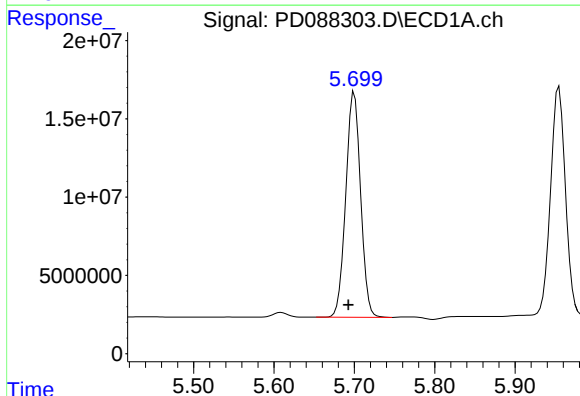
R.T.: 4.772 min
Delta R.T.: 0.007 min
Response: 216181287
Conc: 52.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



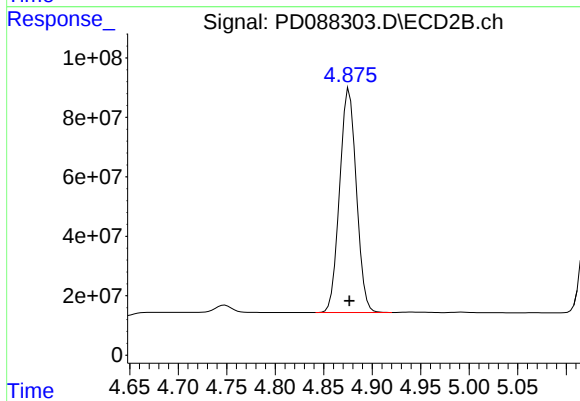
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1029128746
Conc: 48.40 ng/ml



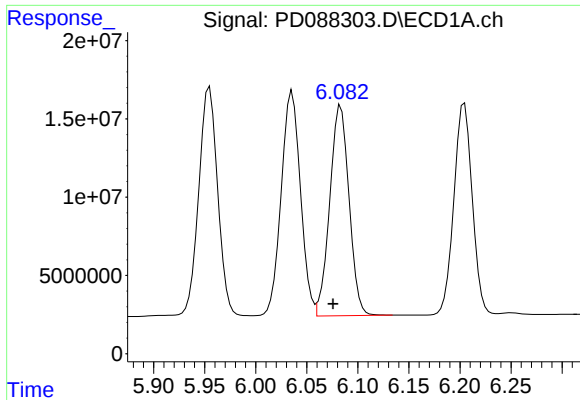
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.008 min
Response: 184298652
Conc: 51.57 ng/ml



#8 Heptachlor epoxide

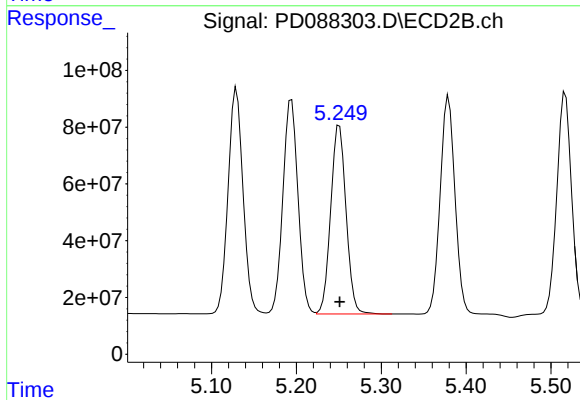
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 903309887
Conc: 47.81 ng/ml



#9 Endosulfan I

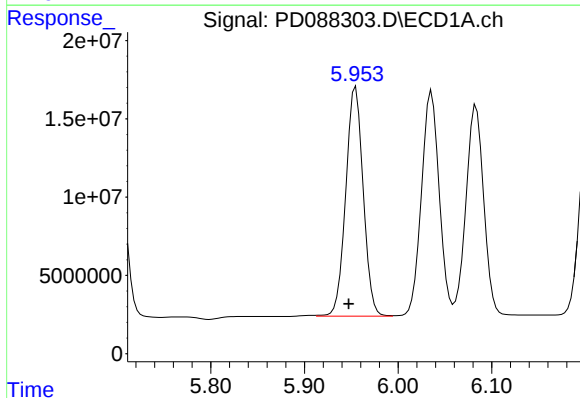
R.T.: 6.083 min
Delta R.T.: 0.008 min
Response: 176704397
Conc: 52.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



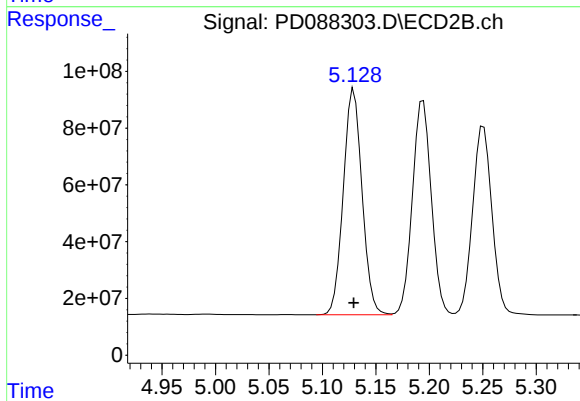
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 837412990
Conc: 46.49 ng/ml



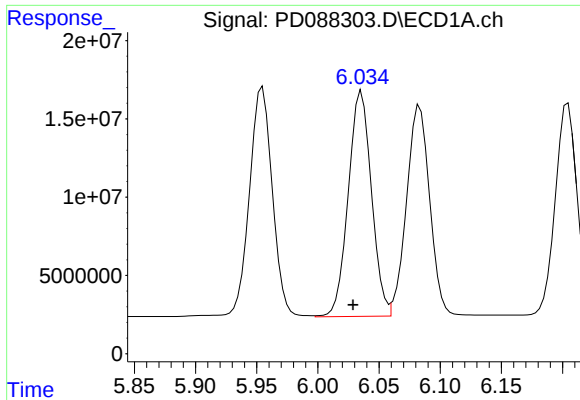
#10 gamma-Chlordane

R.T.: 5.953 min
Delta R.T.: 0.006 min
Response: 189429454
Conc: 52.30 ng/ml m



#10 gamma-Chlordane

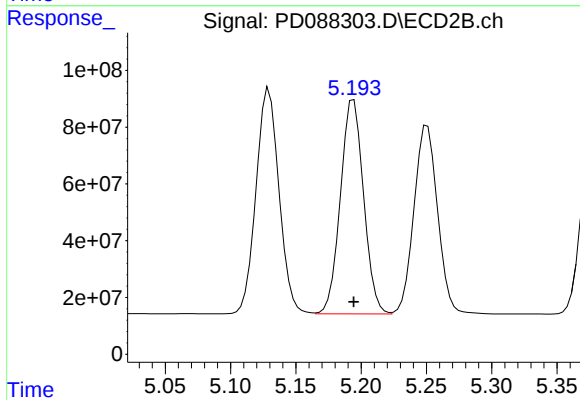
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 972841511
Conc: 47.93 ng/ml



#11 alpha-Chlordane

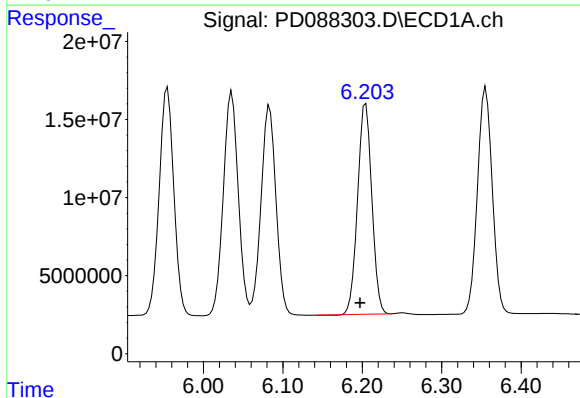
R.T.: 6.036 min
Delta R.T.: 0.007 min
Response: 189908799
Conc: 52.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



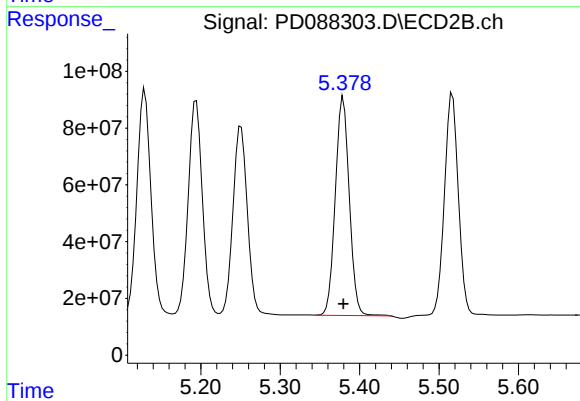
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 931869993
Conc: 47.54 ng/ml



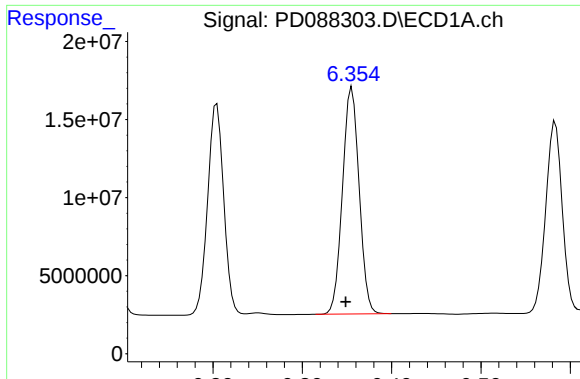
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.007 min
Response: 167382139
Conc: 50.75 ng/ml



#12 4,4'-DDE

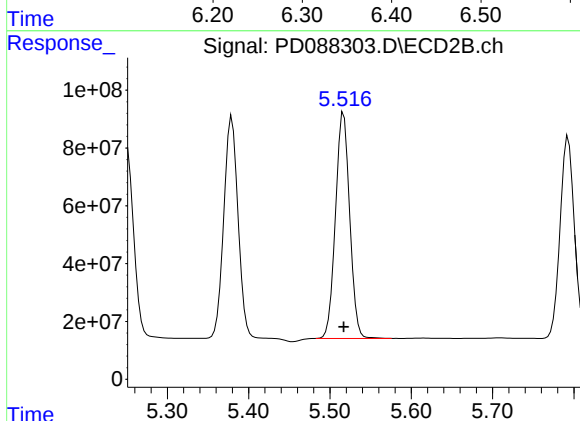
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 942995376
Conc: 47.88 ng/ml



#13 Dieldrin

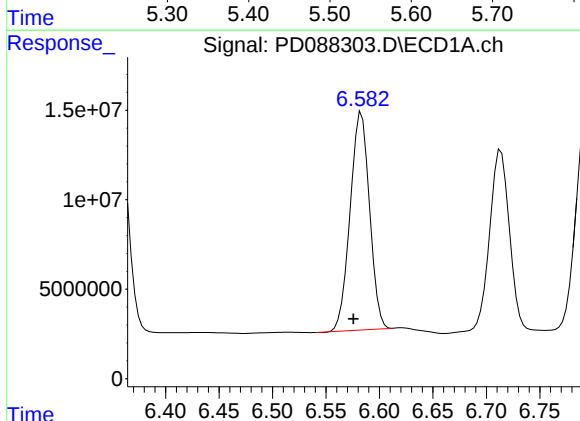
R.T.: 6.356 min
Delta R.T.: 0.007 min
Response: 188182109
Conc: 52.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



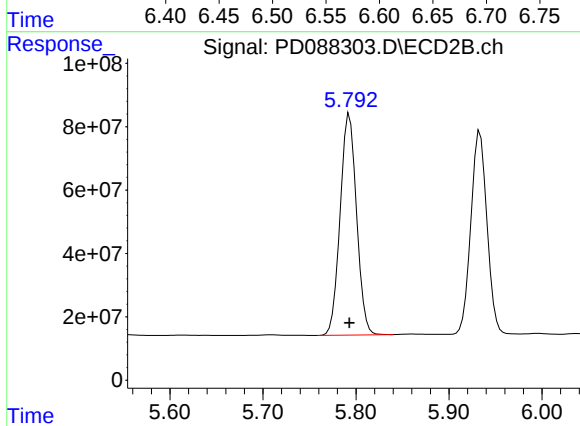
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 948922542
Conc: 47.61 ng/ml



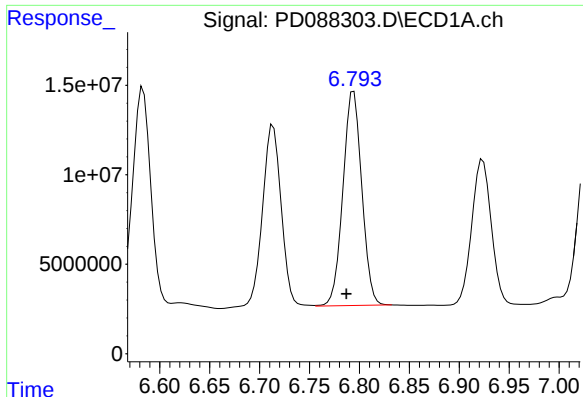
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.007 min
Response: 153849133
Conc: 51.58 ng/ml



#14 Endrin

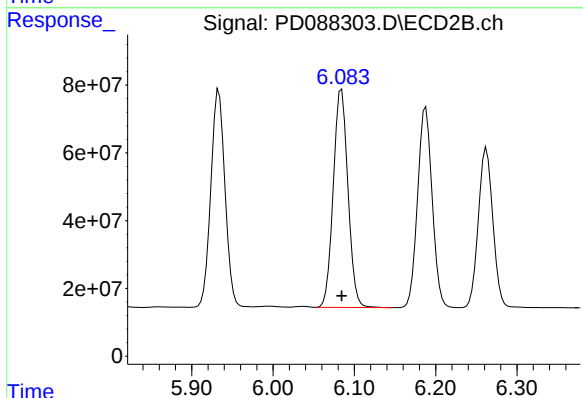
R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 856432563
Conc: 47.05 ng/ml



#15 Endosulfan II

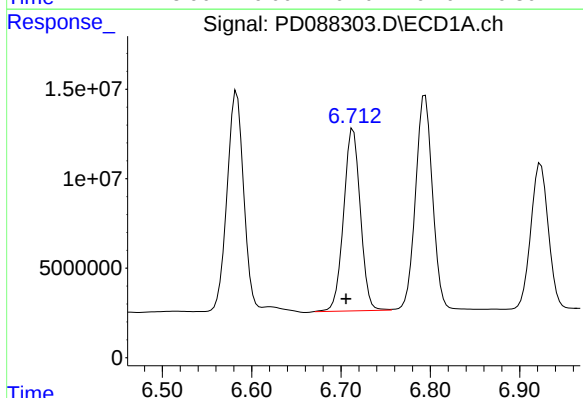
R.T.: 6.794 min
Delta R.T.: 0.007 min
Response: 157201808
Conc: 50.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



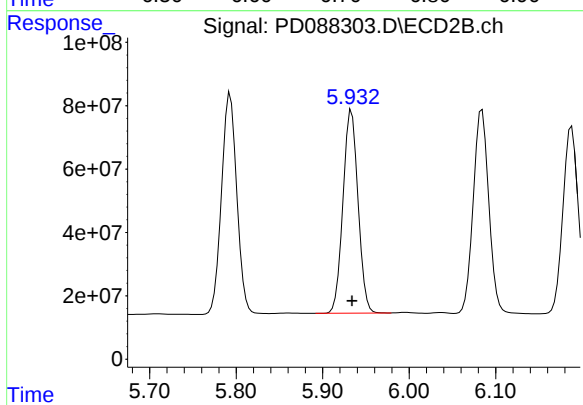
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 808466213
Conc: 46.14 ng/ml



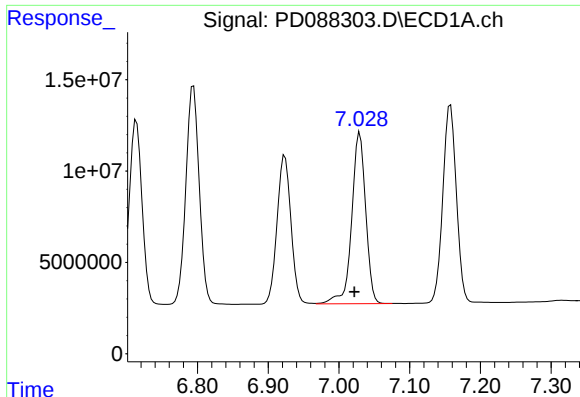
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.008 min
Response: 132380710
Conc: 52.64 ng/ml



#16 4,4'-DDD

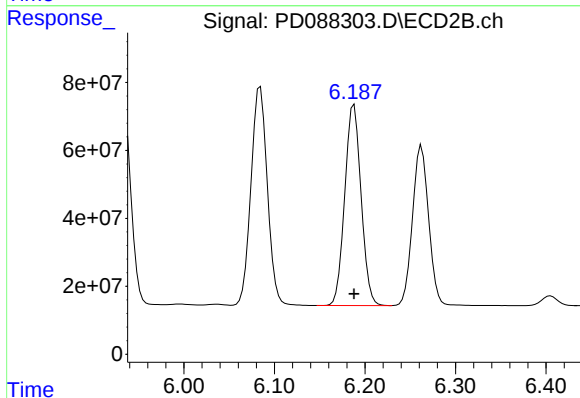
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 770847520
Conc: 47.04 ng/ml



#17 4,4'-DDT

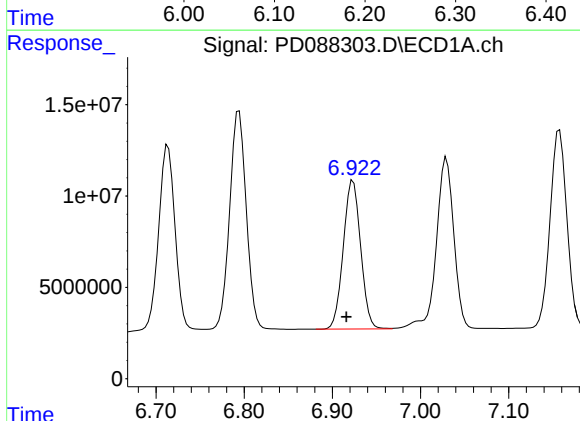
R.T.: 7.030 min
Delta R.T.: 0.008 min
Response: 129309355
Conc: 46.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



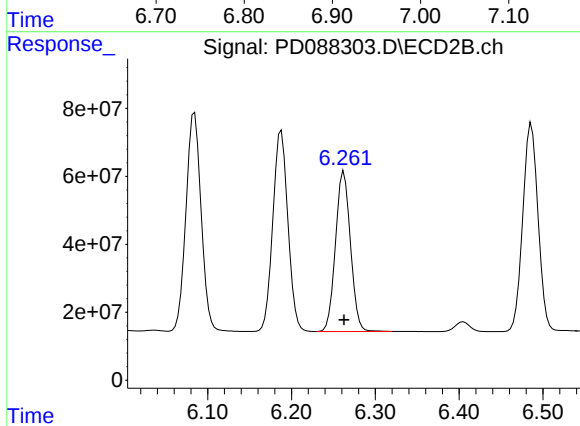
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 742087420
Conc: 43.61 ng/ml



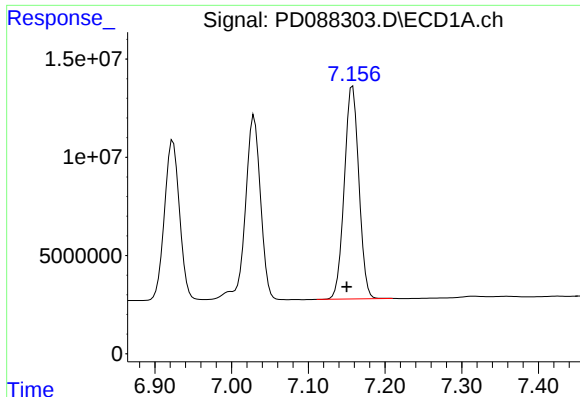
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.008 min
Response: 111298780
Conc: 48.22 ng/ml



#18 Endrin aldehyde

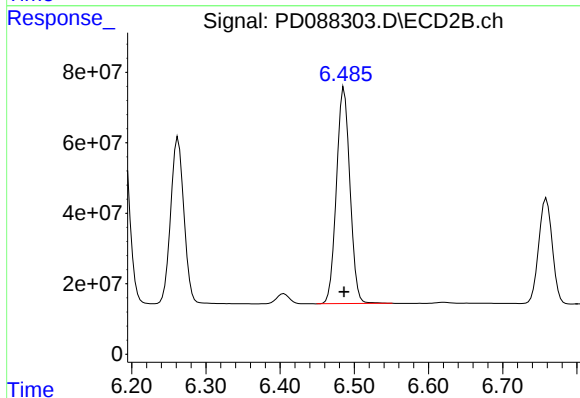
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 583028318
Conc: 43.83 ng/ml



#19 Endosulfan Sulfate

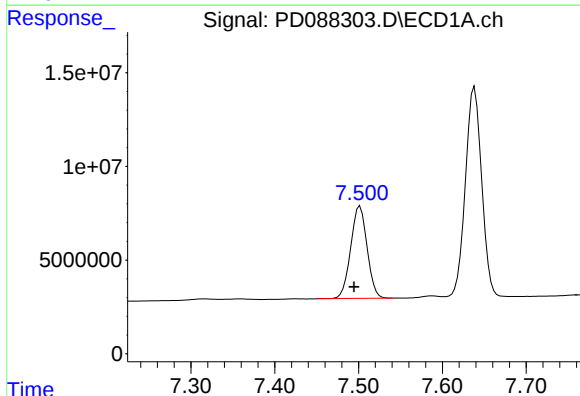
R.T.: 7.158 min
Delta R.T.: 0.007 min
Response: 143699831
Conc: 49.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



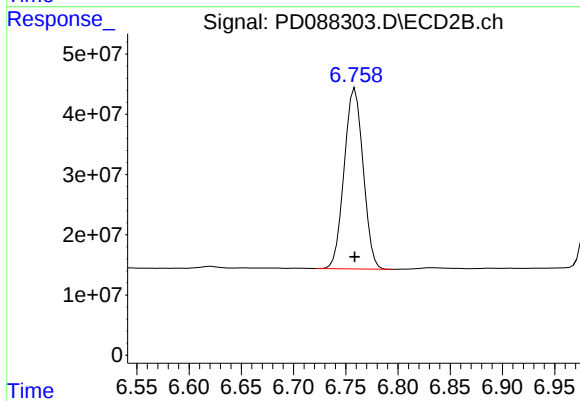
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 777537656
Conc: 45.38 ng/ml



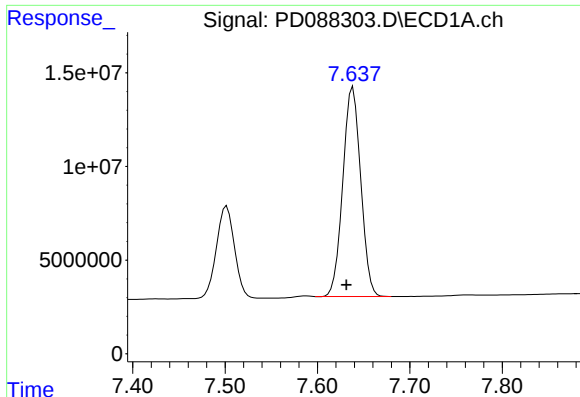
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.007 min
Response: 67214599
Conc: 44.82 ng/ml



#20 Methoxychlor

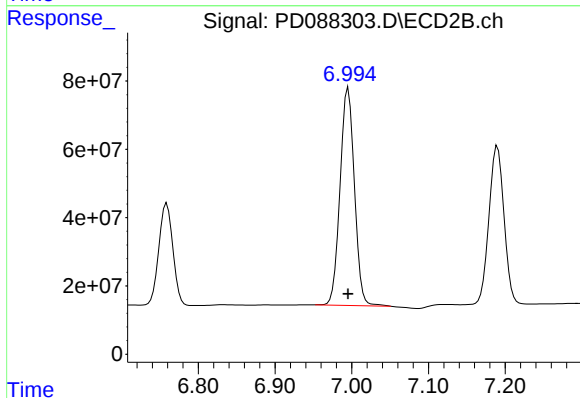
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 379118667
Conc: 41.57 ng/ml



#21 Endrin ketone

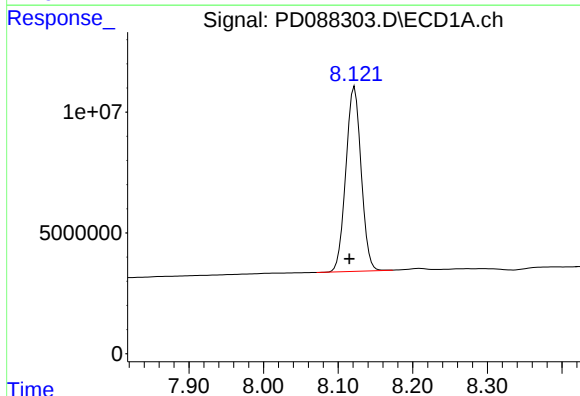
R.T.: 7.638 min
Delta R.T.: 0.007 min
Response: 150581821
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



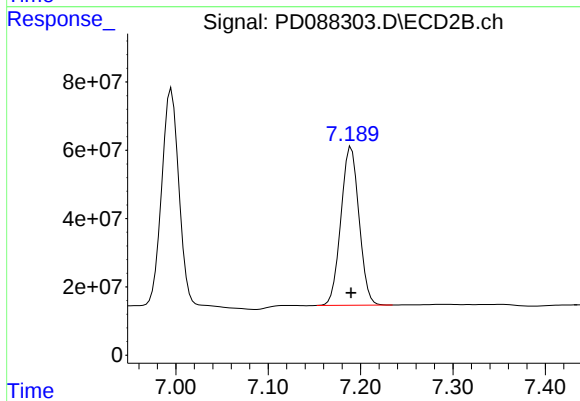
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 829306012
Conc: 44.34 ng/ml



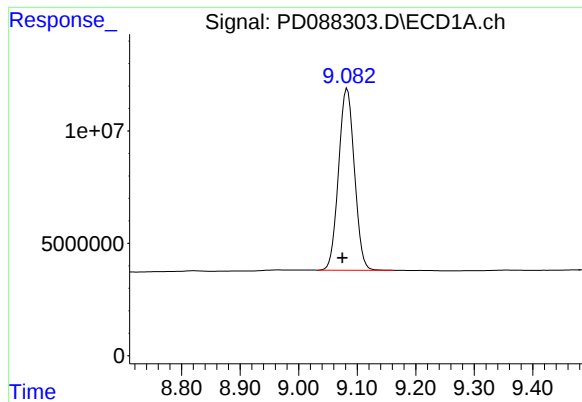
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.007 min
Response: 108726904
Conc: 46.30 ng/ml



#22 Mirex

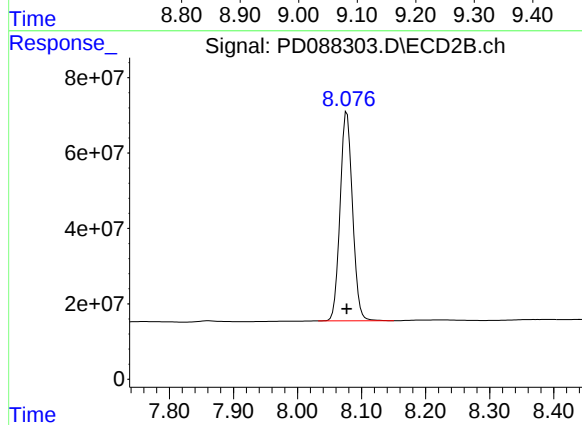
R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 632059843
Conc: 42.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.008 min
Response: 151917608
Conc: 45.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 747283393
Conc: 40.44 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D Date Analyzed: 04/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D Date Analyzed: 04/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

PEM
 Data File: PD088122.D Date Acquired 4/18/2025 13:29
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	153680370.7	162192230.2	8511859.47	5.25
Endrin aldehyde	6.92	3420195.012			
Endrin ketone	7.63	5091664.461			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	906106216.2	976124672.3	70018456.1	7.17
Endrin aldehyde #2	6.26	27341767.91			
Endrin ketone #2	6.99	42676688.15			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	306944307.8	307584368.9	640061.113	0.21
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	640061.113			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1746026847	1755776541	9749694.14	0.56
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	9749694.138			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088122.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/19/2025
 Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:41:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.883	43154195	324.6E6	21.605	22.198
2) SA Decachlor...	9.075	8.076	76807188	424.1E6	23.218	22.951
Target Compounds						
2) A alpha-BHC	4.000	3.396	42909357	267.8E6	9.951	11.716
3) MA gamma-BHC...	4.331	3.732	43874391	249.5E6	10.477	11.583
6) B beta-BHC	4.516	4.028	18444986	115.3E6	11.362	12.462
14) MA Endrin	6.576	5.793	153.7E6	906.1E6	51.526	49.780
16) A 4,4'-DDD	6.708	5.936	640061	9749694	0.255	0.595m#
17) MA 4,4'-DDT	7.023	6.187	306.9E6	1746.0E6	110.509	102.608
18) B Endrin al...	6.915	6.262	3420195	27341768	1.482	2.056 #
20) A Methoxychlor	7.494	6.758	397.5E6	1966.3E6	265.100	215.579
21) B Endrin ke...	7.630	6.994	5091664	42676688	1.650	2.282 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

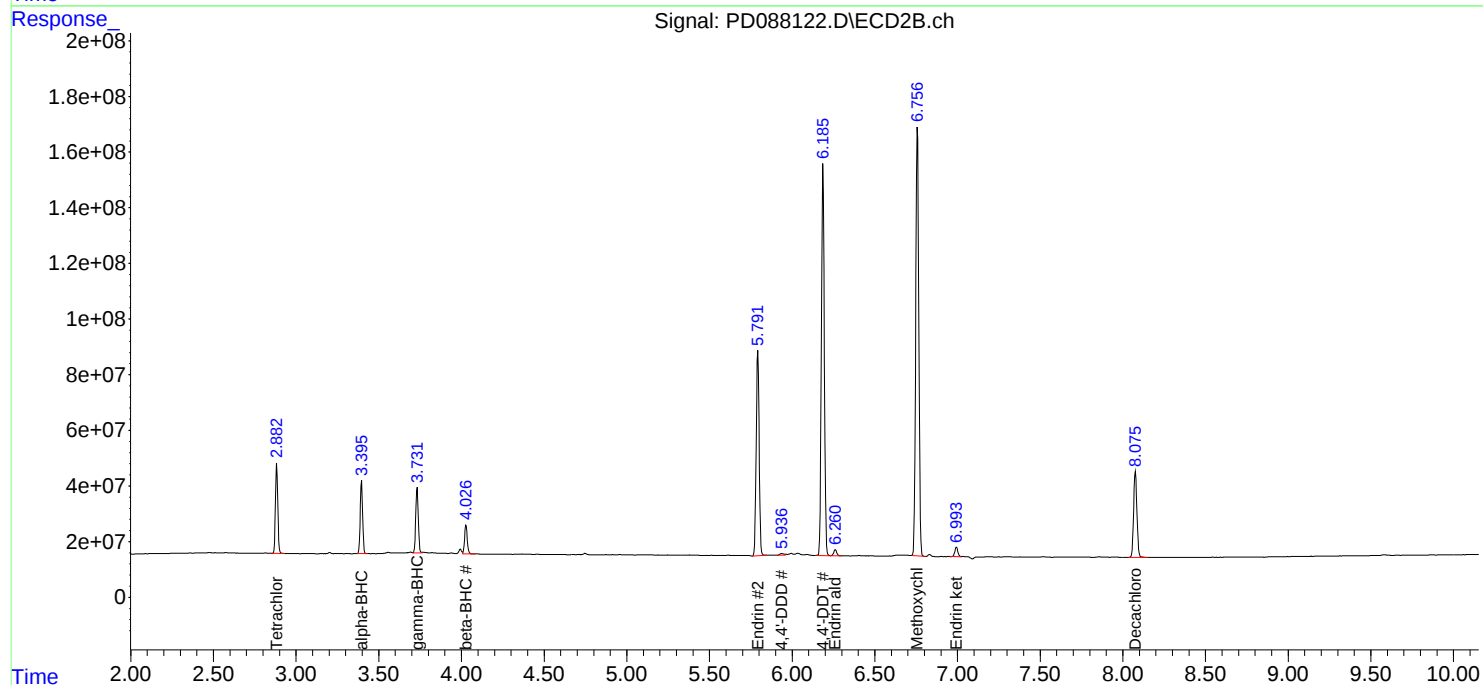
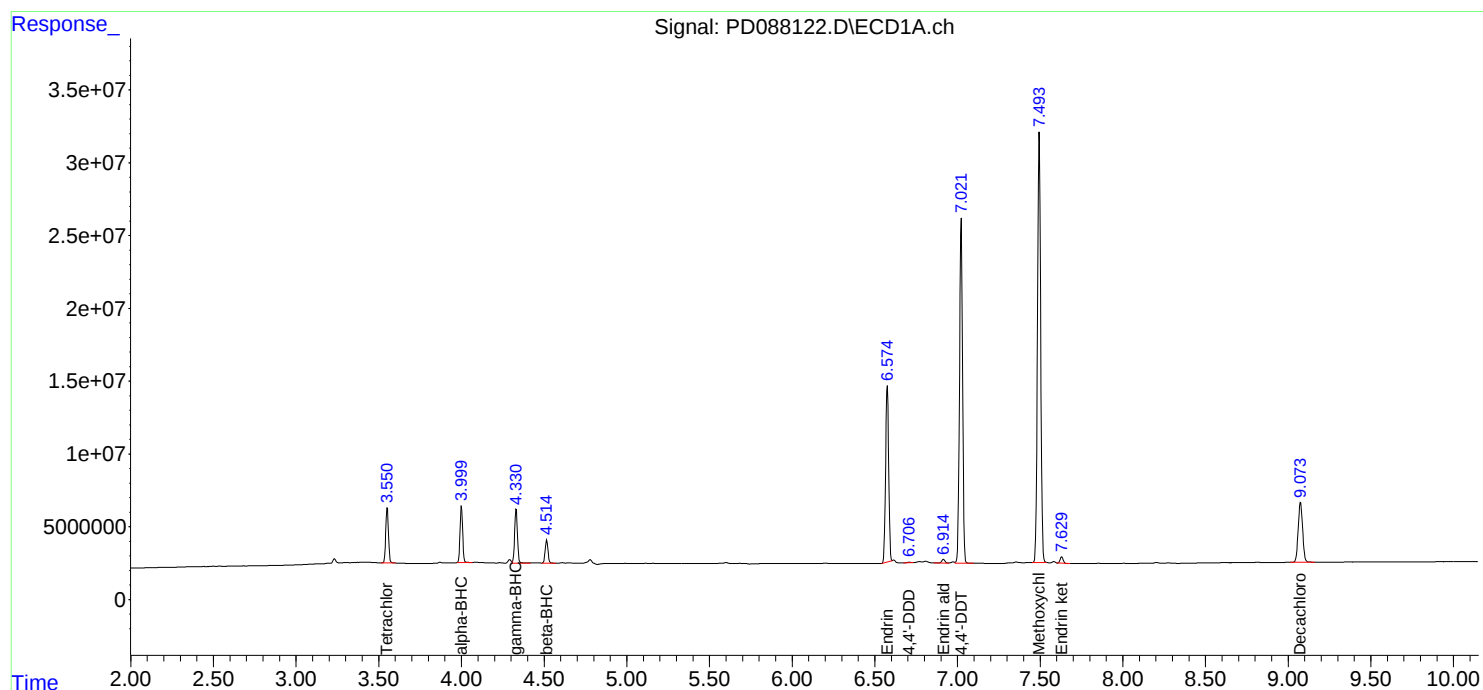
Instrument :
ECD_D
ClientSampleId :
PEM

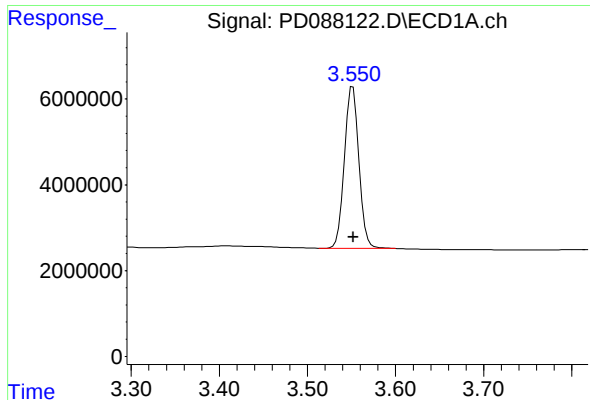
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/19/2025
Supervised By : mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





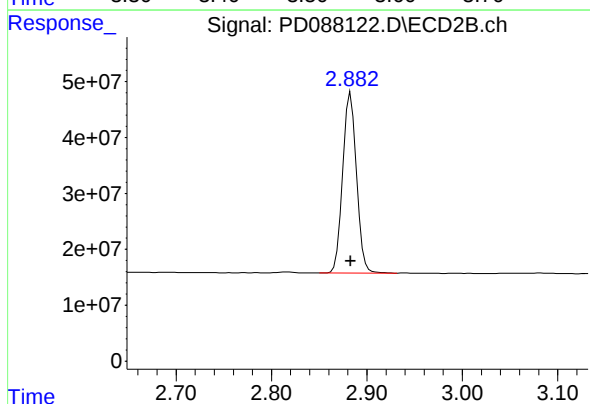
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 43154195
Conc: 21.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

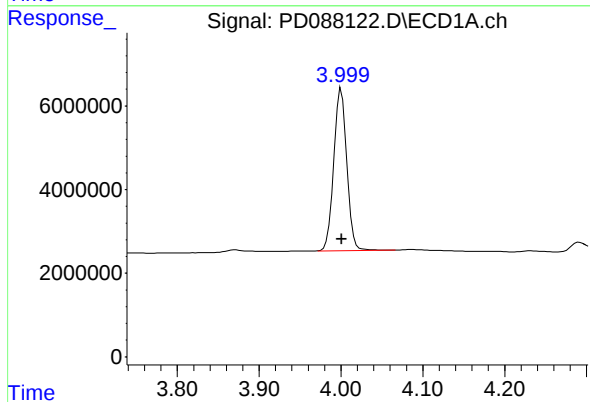
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



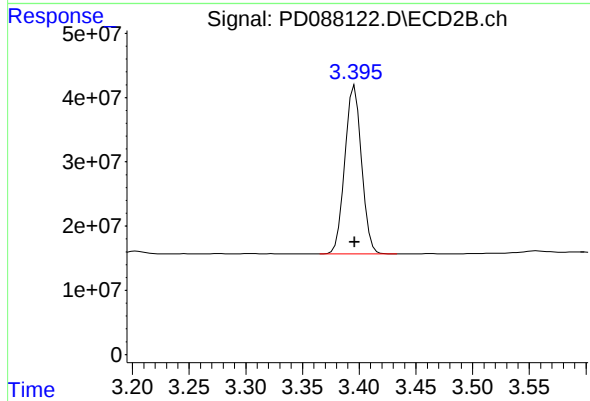
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 324567676
Conc: 22.20 ng/ml



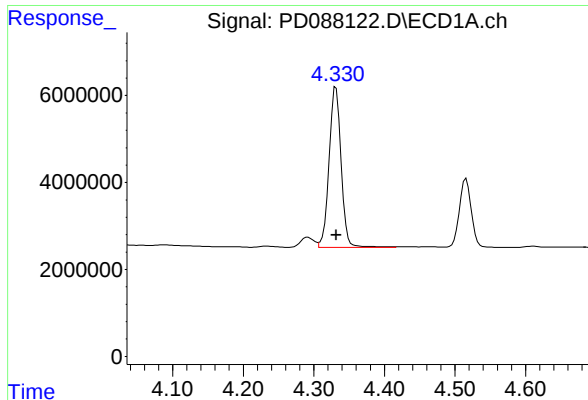
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 42909357
Conc: 9.95 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 267840155
Conc: 11.72 ng/ml



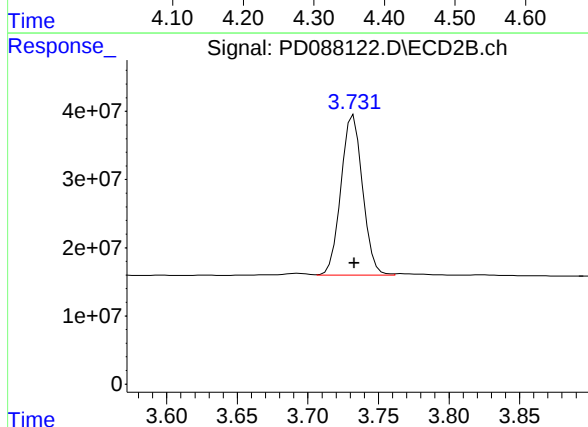
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 43874391
Conc: 10.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

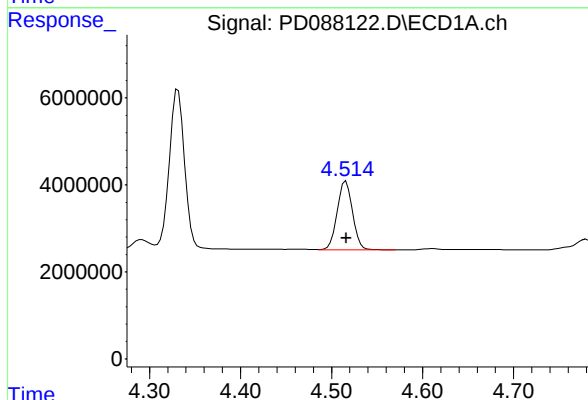
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



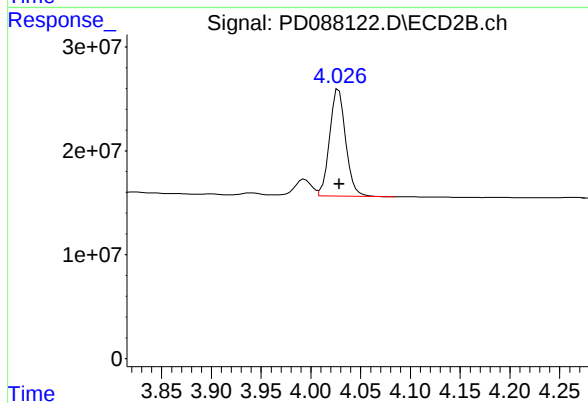
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 249483869
Conc: 11.58 ng/ml



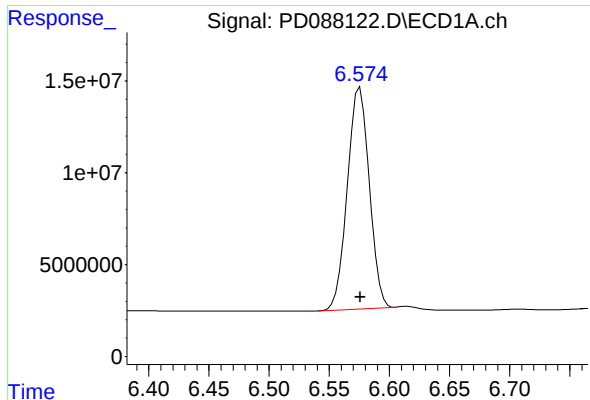
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 18444986
Conc: 11.36 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 115325342
Conc: 12.46 ng/ml



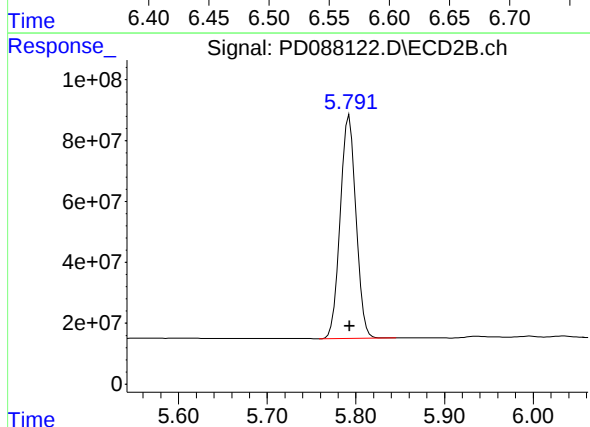
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 153680371
Conc: 51.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

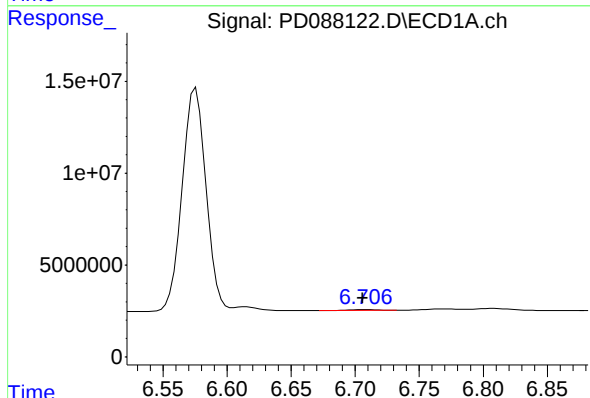
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



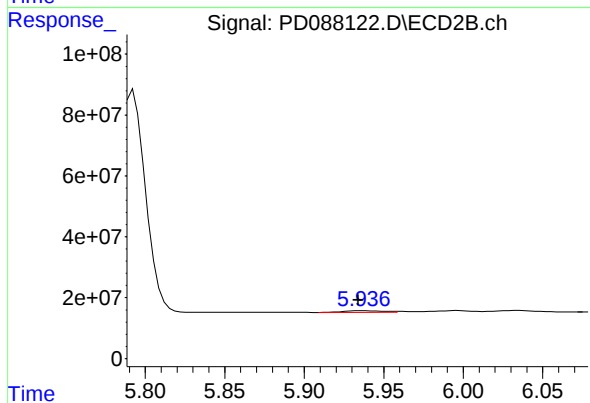
#14 Endrin

R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 906106216
Conc: 49.78 ng/ml



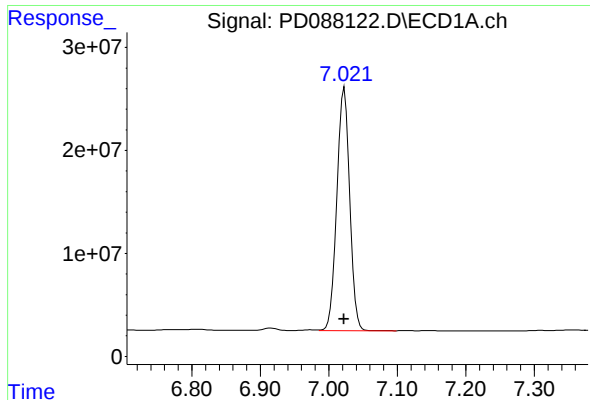
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.002 min
Response: 640061
Conc: 0.25 ng/ml



#16 4,4'-DDD

R.T.: 5.936 min
Delta R.T.: 0.002 min
Response: 9749694
Conc: 0.59 ng/ml m



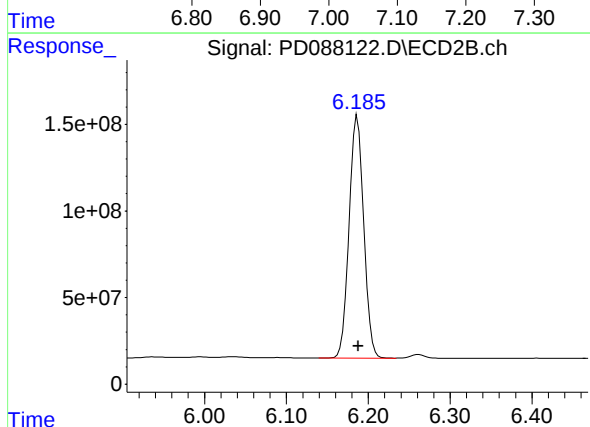
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 306944308
Conc: 110.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

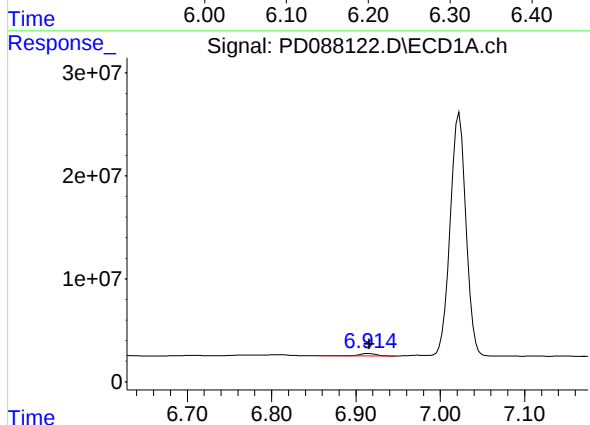
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



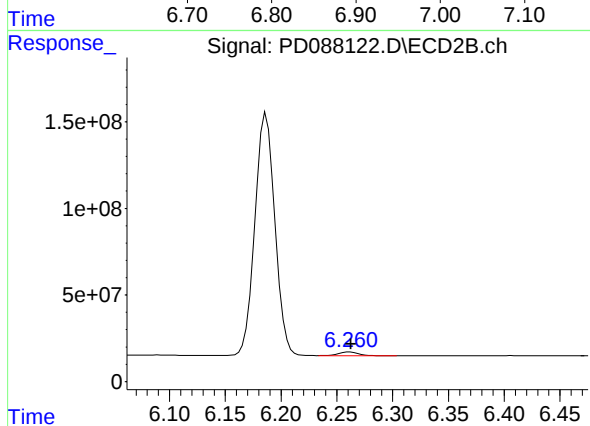
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 1746026847
Conc: 102.61 ng/ml



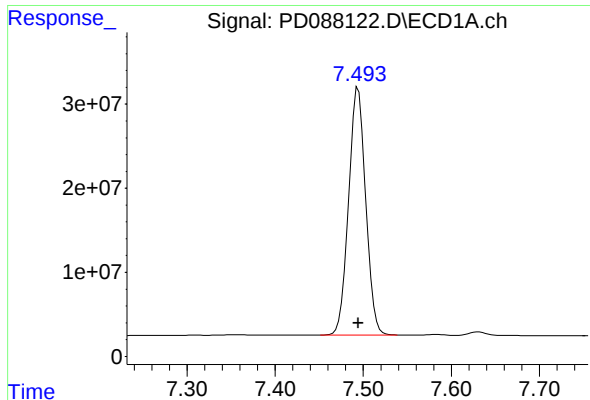
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 3420195
Conc: 1.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: -0.001 min
Response: 27341768
Conc: 2.06 ng/ml



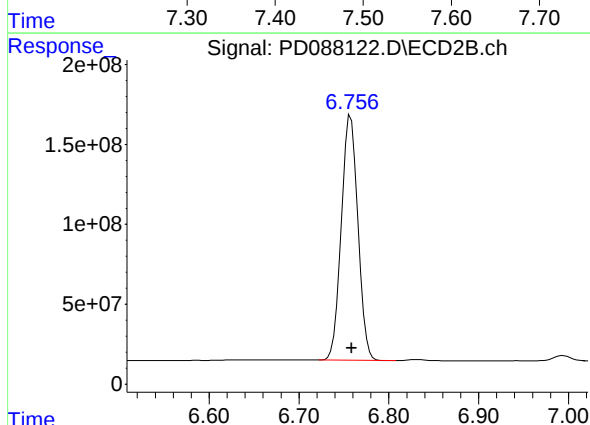
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 397529018
Conc: 265.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

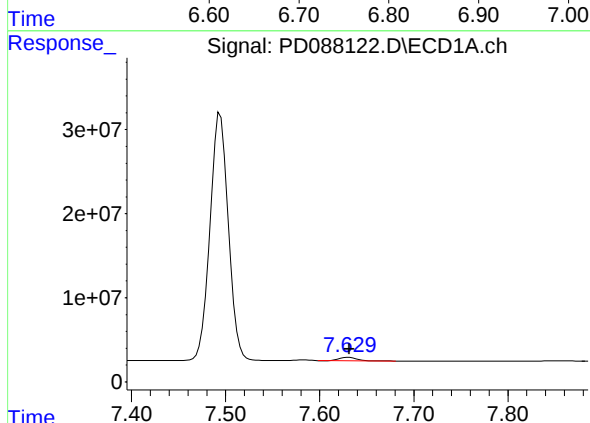
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



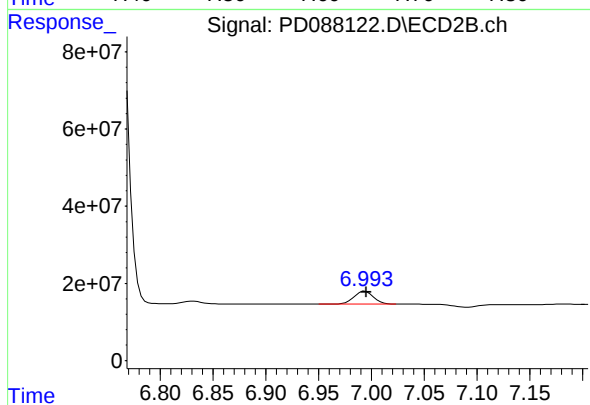
#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 1966308207
Conc: 215.58 ng/ml



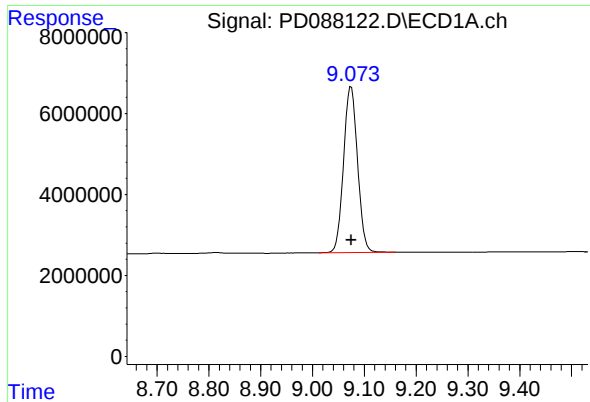
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 5091664
Conc: 1.65 ng/ml



#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 42676688
Conc: 2.28 ng/ml



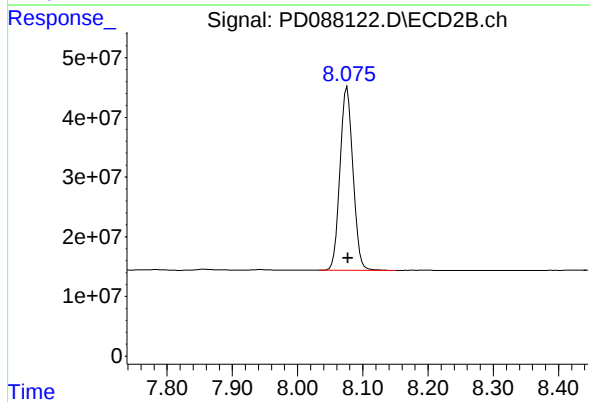
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 76807188
Conc: 23.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 424133792
Conc: 22.95 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1859** SAS No.: **Q1859** SDG NO.: **Q1859**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088232.D** Date Analyzed: **04/23/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:59**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.074	8.970	9.170	22.760	20.000	13.8
Tetrachloro-m-xylene	3.551	3.500	3.600	24.350	20.000	21.8
alpha-BHC	4.000	3.950	4.050	11.070	10.000	10.7
beta-BHC	4.516	4.470	4.570	12.490	10.000	24.9
gamma-BHC (Lindane)	4.332	4.280	4.380	11.410	10.000	14.1
Endrin	6.576	6.510	6.650	59.370	50.000	18.7
4,4'-DDT	7.022	6.950	7.090	110.860	100.000	10.9
Methoxychlor	7.494	7.420	7.560	253.710	250.000	1.5

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088232.D** Date Analyzed: **04/23/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:59**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.076	7.980	8.180	21.870	20.000	9.4
Tetrachloro-m-xylene	2.882	2.830	2.930	23.960	20.000	19.8
alpha-BHC	3.395	3.340	3.450	12.380	10.000	23.8
beta-BHC	4.027	3.980	4.080	12.800	10.000	28.0
gamma-BHC (Lindane)	3.732	3.680	3.780	12.290	10.000	22.9
Endrin	5.792	5.720	5.860	53.740	50.000	7.5
4,4'-DDT	6.187	6.120	6.260	98.730	100.000	-1.3
Methoxychlor	6.757	6.690	6.830	195.720	250.000	-21.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088232.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 08:59
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 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 10:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.882	48640592	350.4E6	24.352	23.962
28)	SA Decachlor...	9.074	8.076	75303845	404.1E6	22.763	21.869
Target Compounds							
2)	A alpha-BHC	4.000	3.395	47712293	283.1E6	11.065	12.384
3)	MA gamma-BHC...	4.332	3.732	47770769	264.6E6	11.408	12.286
6)	B beta-BHC	4.516	4.027	20268403	118.5E6	12.485	12.805
12)	B 4,4'-DDE	6.198	5.377	479096	2131669	0.145m	0.108m#
14)	MA Endrin	6.576	5.792	177.1E6	978.2E6	59.366	53.738
16)	A 4,4'-DDD	6.705	5.933	10353852	77436997	4.117	4.726
17)	MA 4,4'-DDT	7.022	6.187	307.9E6	1680.1E6	110.861	98.734
18)	B Endrin al...	6.917	6.260	1245767	13145903	0.540	0.988 #
20)	A Methoxychlor	7.494	6.757	380.5E6	1785.2E6	253.714	195.719
21)	B Endrin ke...	7.631	6.993	4036645	36220587	1.308	1.937 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 08:59
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

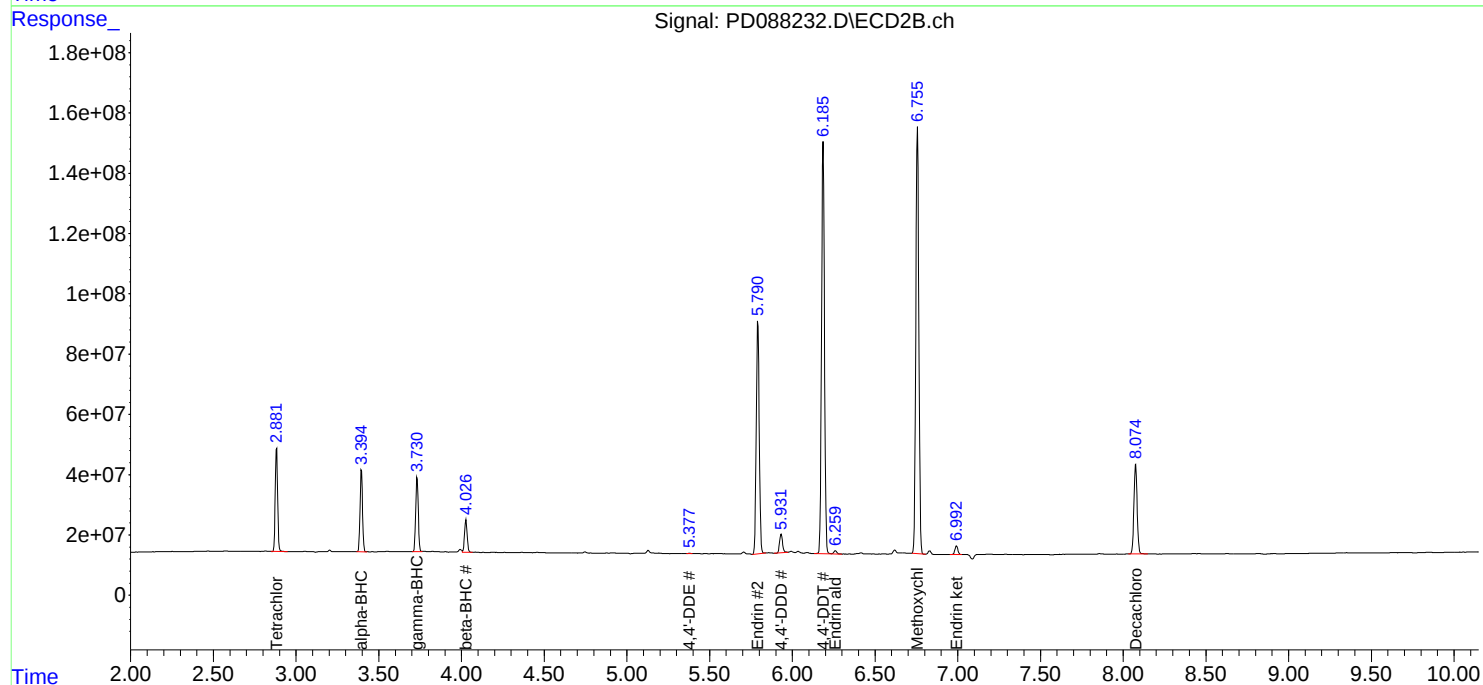
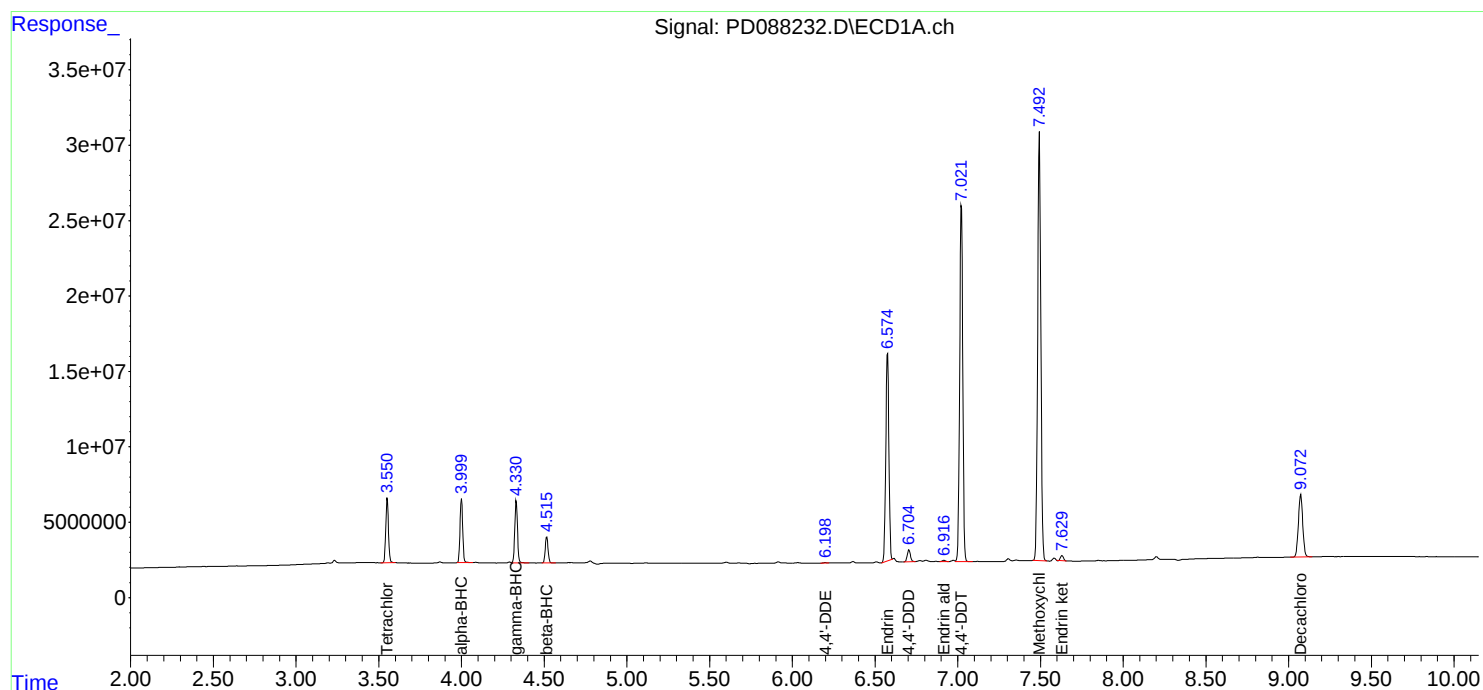
Instrument :
ECD_D
ClientSampleId :
PEM

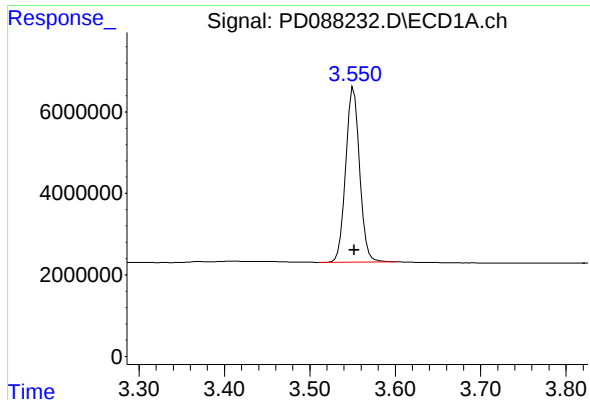
Manual Integrations
APPROVED

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 10:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





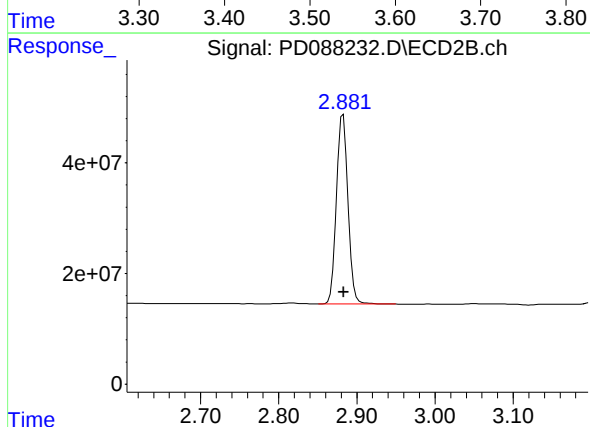
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 48640592
Conc: 24.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

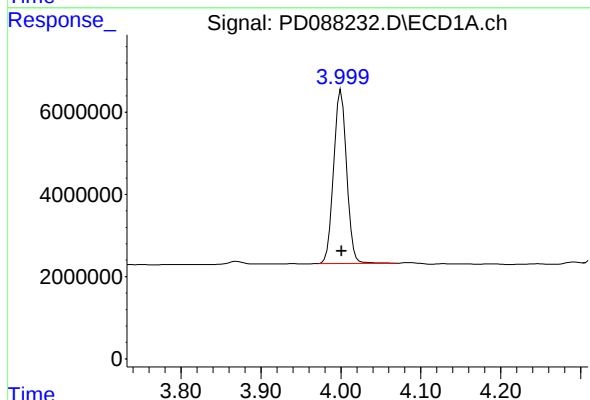
Manual Integrations
APPROVED

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



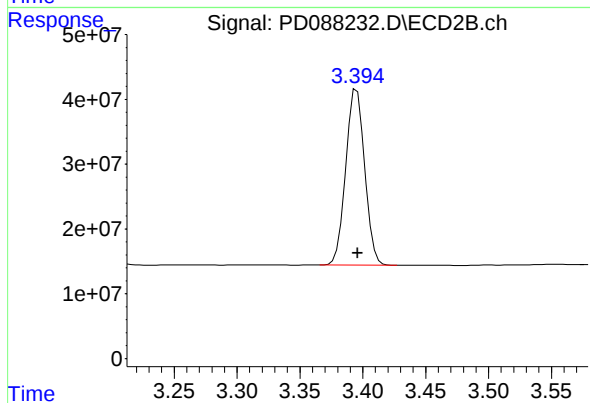
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 350357744
Conc: 23.96 ng/ml



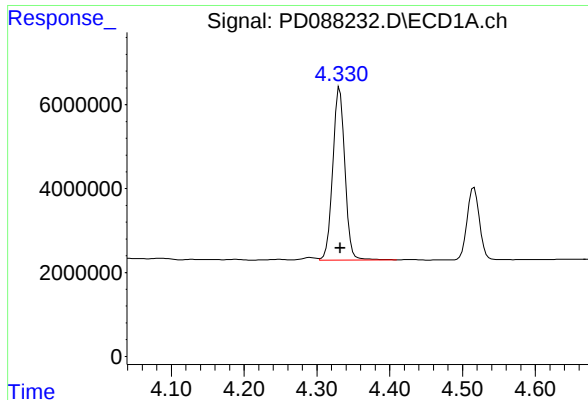
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 47712293
Conc: 11.07 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 283126568
Conc: 12.38 ng/ml



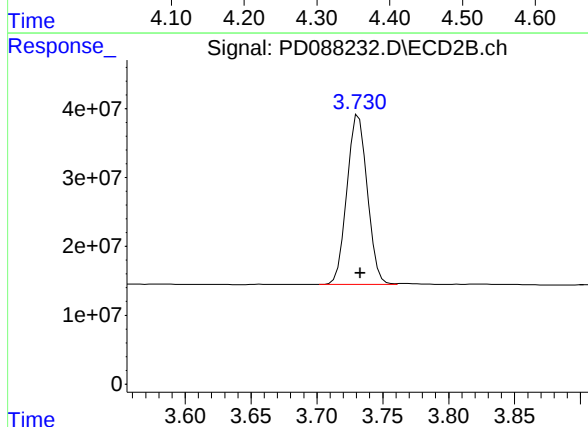
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 47770769
Conc: 11.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

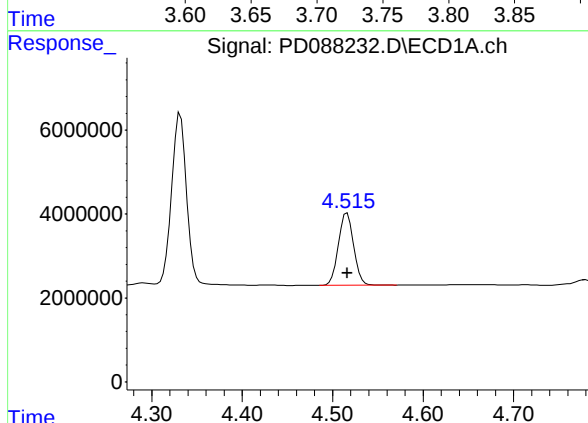
Manual Integrations
APPROVED

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



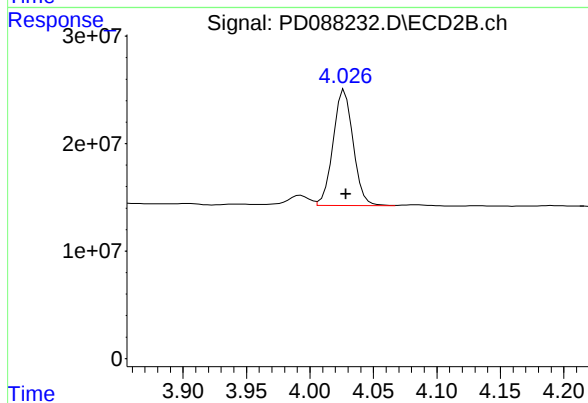
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 264616361
Conc: 12.29 ng/ml



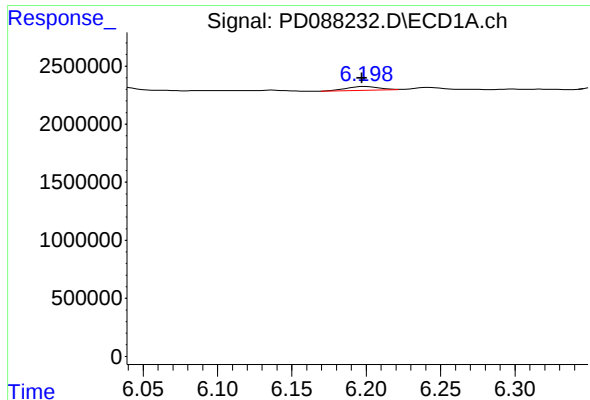
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 20268403
Conc: 12.49 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 118496929
Conc: 12.80 ng/ml



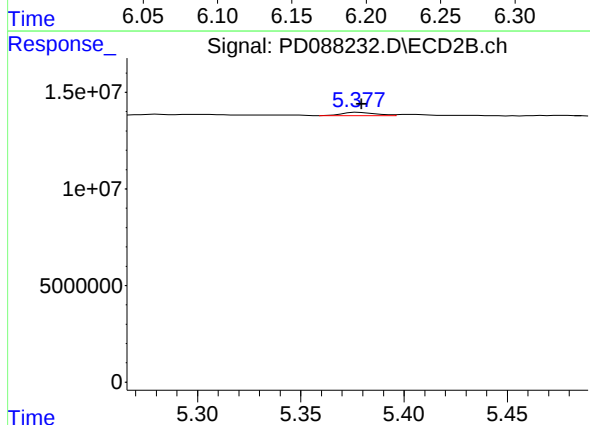
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 479096
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

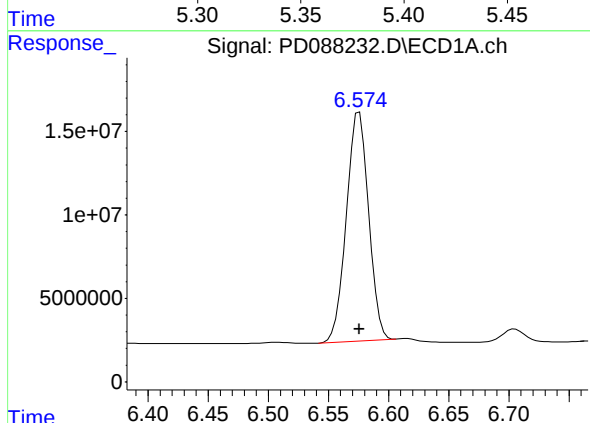
Manual Integrations
APPROVED

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



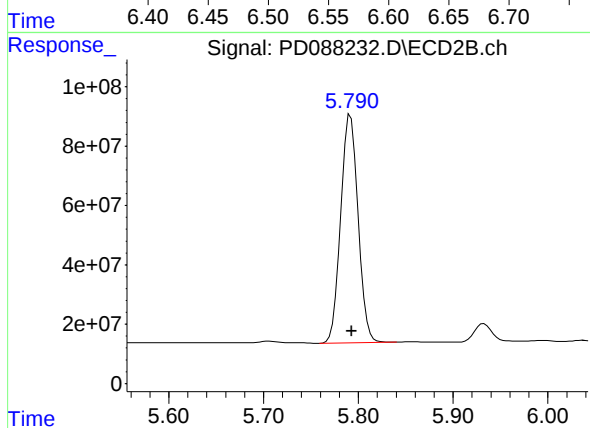
#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 2131669
Conc: 0.11 ng/ml



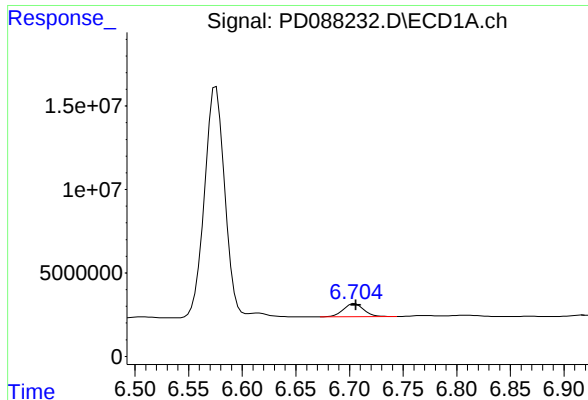
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 177064479
Conc: 59.37 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: -0.001 min
Response: 978154426
Conc: 53.74 ng/ml



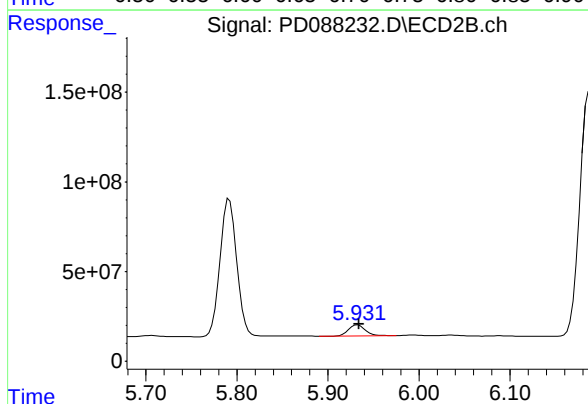
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 10353852
Conc: 4.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

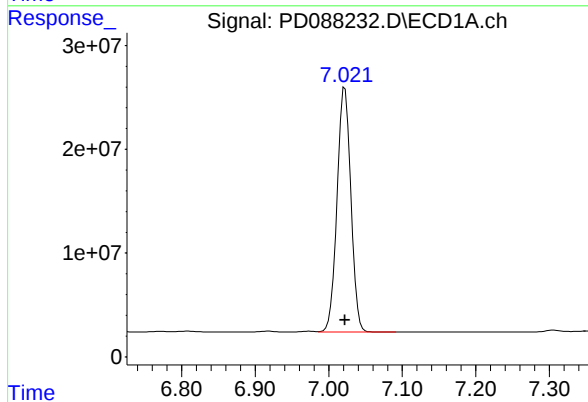
Manual Integrations
APPROVED

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



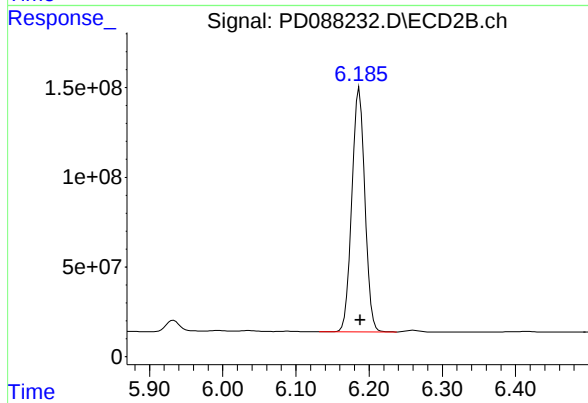
#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 77436997
Conc: 4.73 ng/ml



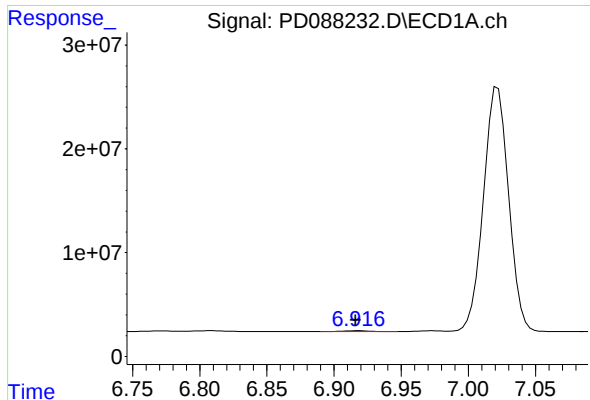
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 307920276
Conc: 110.86 ng/ml



#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 1680109778
Conc: 98.73 ng/ml



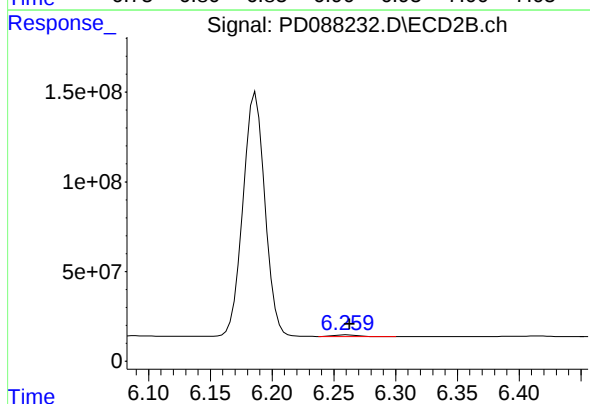
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.001 min
Response: 1245767
Conc: 0.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

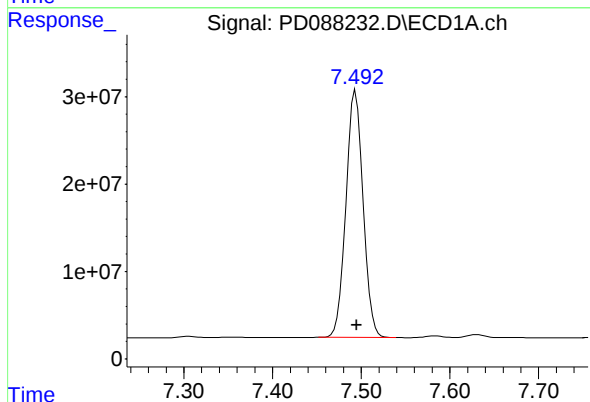
Manual Integrations
APPROVED

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



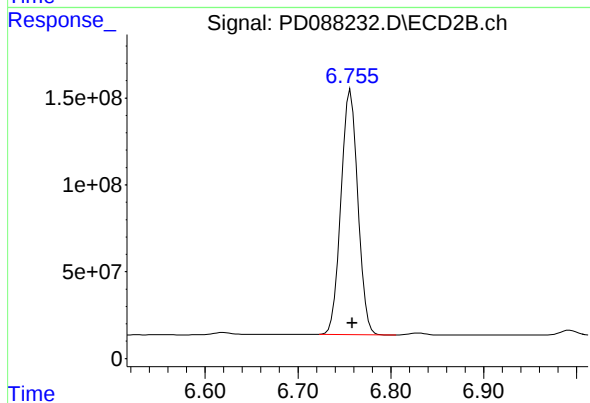
#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 13145903
Conc: 0.99 ng/ml



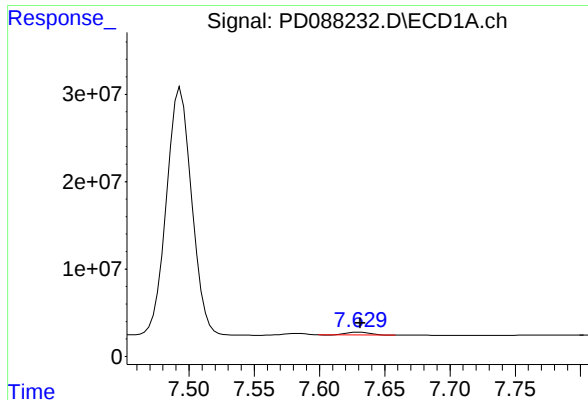
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: -0.001 min
Response: 380455578
Conc: 253.71 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1785167114
Conc: 195.72 ng/ml



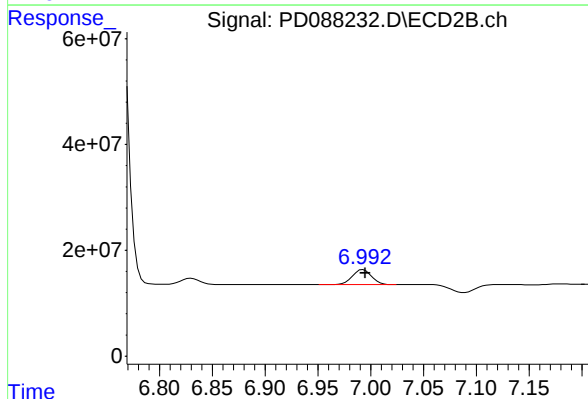
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 4036645
Conc: 1.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

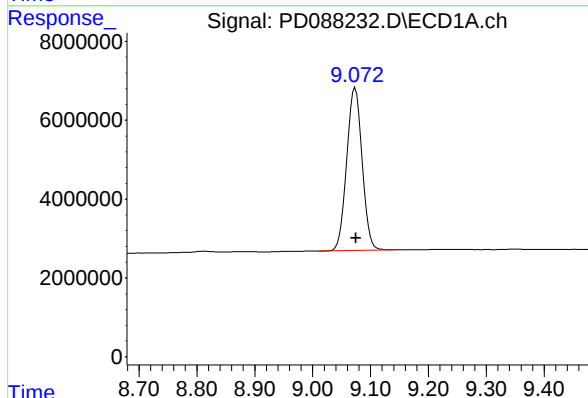
Manual Integrations
APPROVED

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



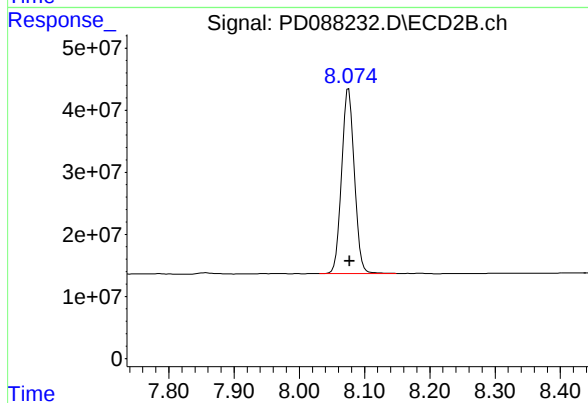
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 36220587
Conc: 1.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 75303845
Conc: 22.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 404129588
Conc: 21.87 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1859** SAS No.: **Q1859** SDG NO.: **Q1859**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088289.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:23**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.072	8.970	9.170	20.880	20.000	4.4
Tetrachloro-m-xylene	3.550	3.500	3.600	21.380	20.000	6.9
alpha-BHC	3.999	3.950	4.050	9.700	10.000	-3.0
beta-BHC	4.515	4.460	4.570	11.060	10.000	10.6
gamma-BHC (Lindane)	4.330	4.280	4.380	10.210	10.000	2.1
Endrin	6.574	6.500	6.640	54.780	50.000	9.6
4,4'-DDT	7.020	6.950	7.090	109.760	100.000	9.8
Methoxychlor	7.492	7.420	7.560	252.030	250.000	0.8

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088289.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:23**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.074	7.970	8.170	19.160	20.000	-4.2
Tetrachloro-m-xylene	2.882	2.830	2.930	20.760	20.000	3.8
alpha-BHC	3.394	3.340	3.440	10.740	10.000	7.4
beta-BHC	4.027	3.980	4.080	11.090	10.000	10.9
gamma-BHC (Lindane)	3.731	3.680	3.780	10.700	10.000	7.0
Endrin	5.791	5.720	5.860	48.470	50.000	-3.1
4,4'-DDT	6.185	6.110	6.260	95.500	100.000	-4.5
Methoxychlor	6.757	6.690	6.830	191.000	250.000	-23.6

Data File: PEM
 PD088289.D Date Acquired 4/28/2025 9:23
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	163380434.5	165183335.3	1802900.85	Down 1.09
Endrin aldehyde	6.92	928417.535			
Endrin ketone	7.63	874483.313			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	882324456.5	898070698.8	15746242.3	1.75
Endrin aldehyde #2	6.26	7453355.964			
Endrin ketone #2	6.99	8292886.307			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	304853574.1	307222101.6	2368527.49	0.77
4,4'-DDE	6.21	1724188.062			
4,4'-DDD	6.70	644339.43			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1625112007	1635795405	10683398.1	0.65
4,4'-DDE #2	5.38	3916152.548			
4,4'-DDD #2	5.94	6767245.527			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
 Data File : PD088289.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 09:23
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:17:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.882	42695085	303.6E6	21.375	20.762
28)	SA Decachlor...	9.072	8.074	69088698	354.1E6	20.885	19.161
Target Compounds							
2)	A alpha-BHC	3.999	3.394	41813137	245.6E6	9.697	10.745
3)	MA gamma-BHC...	4.330	3.731	42765498	230.4E6	10.213	10.696
6)	B beta-BHC	4.515	4.027	17951329	102.6E6	11.058	11.091
12)	B 4,4'-DDE	6.210	5.381	1724188	3916153	0.523m	0.199m#
14)	MA Endrin	6.574	5.791	163.4E6	882.3E6	54.778	48.473
16)	A 4,4'-DDD	6.702	5.936	644339	6767246	0.256m	0.413m#
17)	MA 4,4'-DDT	7.020	6.185	304.9E6	1625.1E6	109.757	95.502
18)	B Endrin al...	6.920	6.259	928418	7453356	0.402	0.560 #
20)	A Methoxychlor	7.492	6.757	377.9E6	1742.1E6	252.034	190.997
21)	B Endrin ke...	7.630	6.993	874483	8292886	0.283	0.443 #

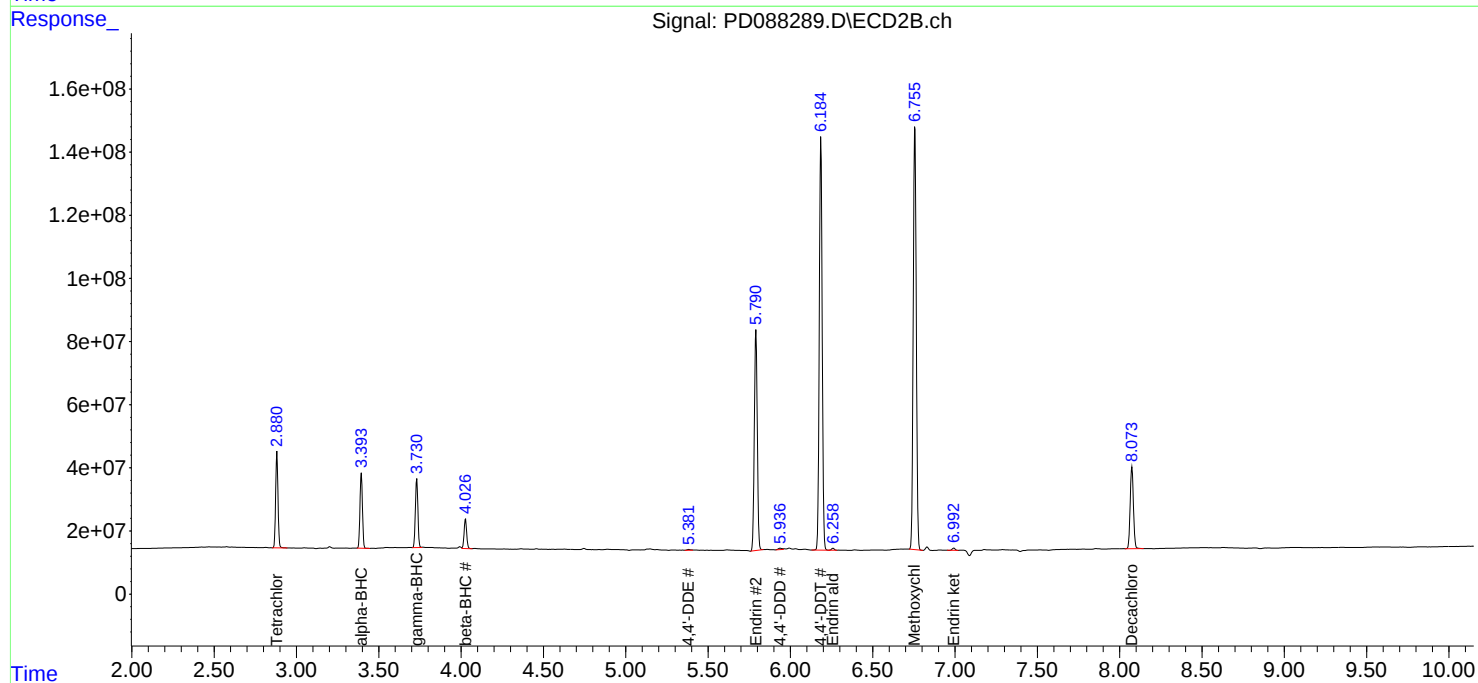
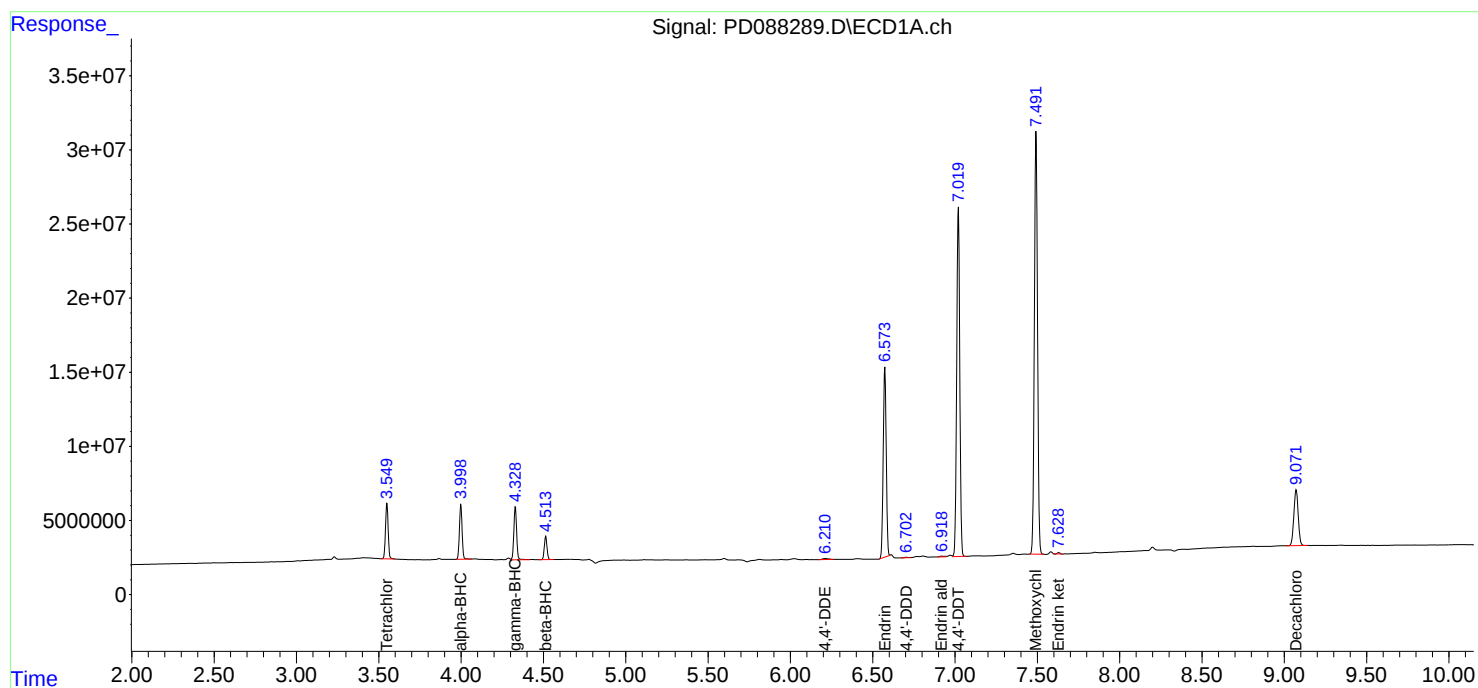
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

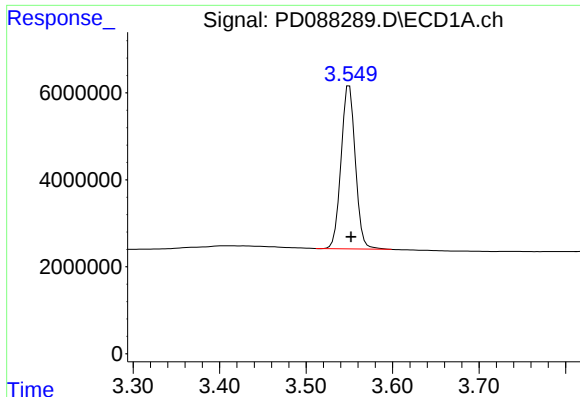
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 09:23
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:17:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

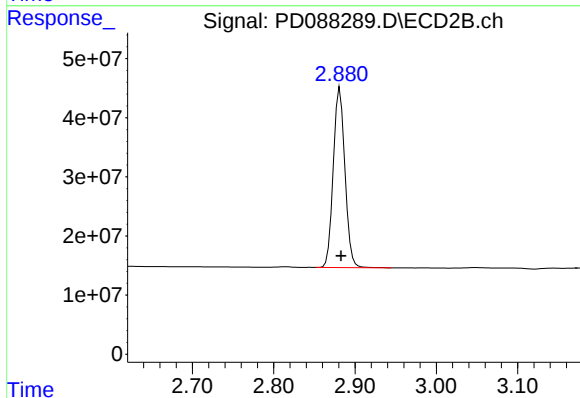




#1 Tetrachloro-m-xylene

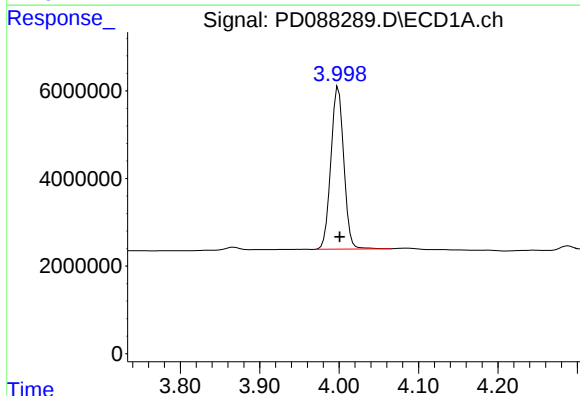
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 42695085
Conc: 21.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



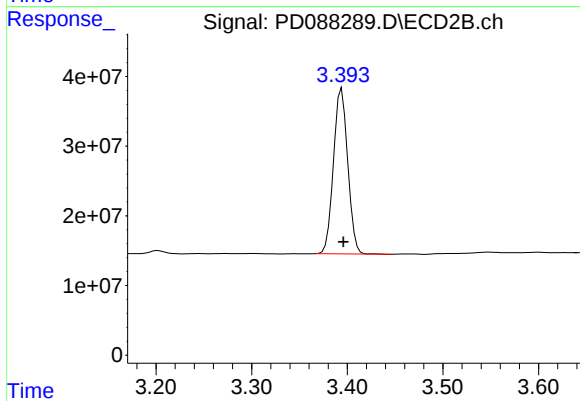
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 303572925
Conc: 20.76 ng/ml



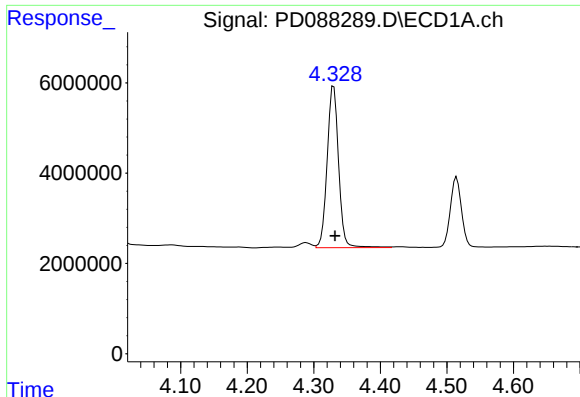
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.002 min
Response: 41813137
Conc: 9.70 ng/ml



#2 alpha-BHC

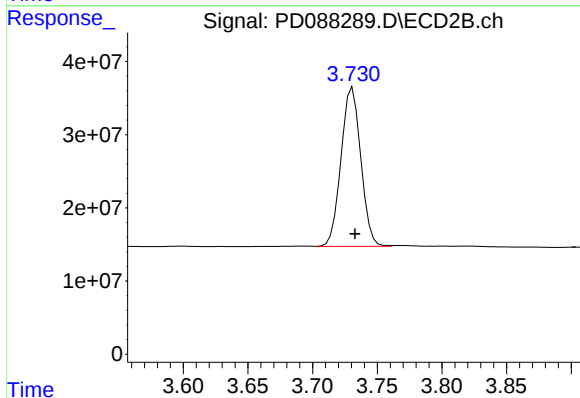
R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 245638429
Conc: 10.74 ng/ml



#3 gamma-BHC (Lindane)

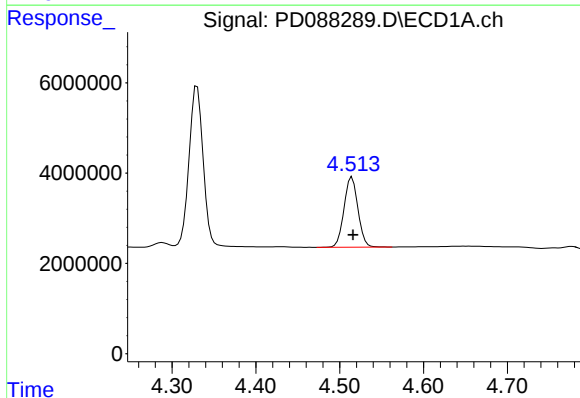
R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 42765498
Conc: 10.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



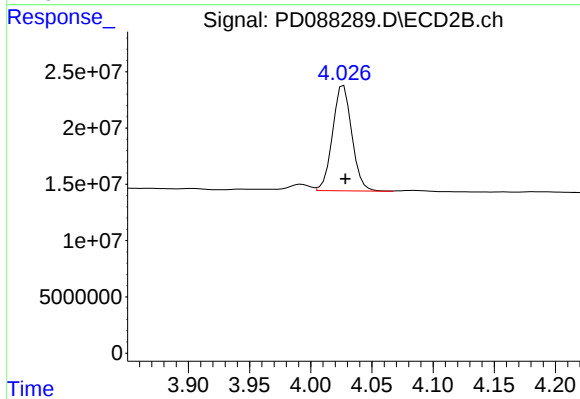
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 230374422
Conc: 10.70 ng/ml



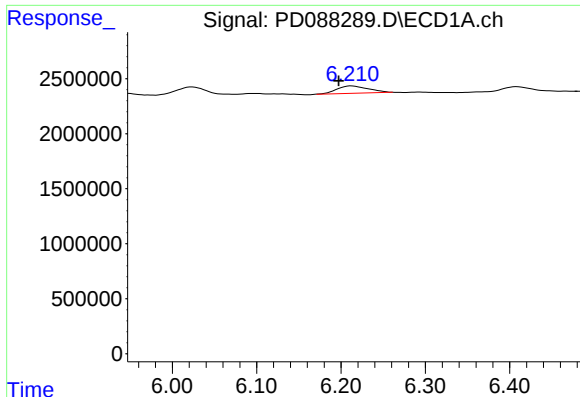
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 17951329
Conc: 11.06 ng/ml



#6 beta-BHC

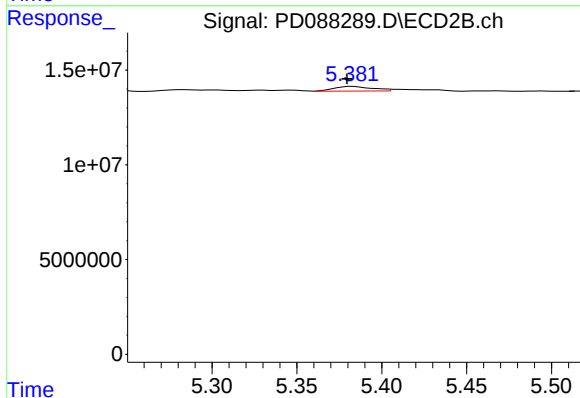
R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 102637216
Conc: 11.09 ng/ml



#12 4,4'-DDE

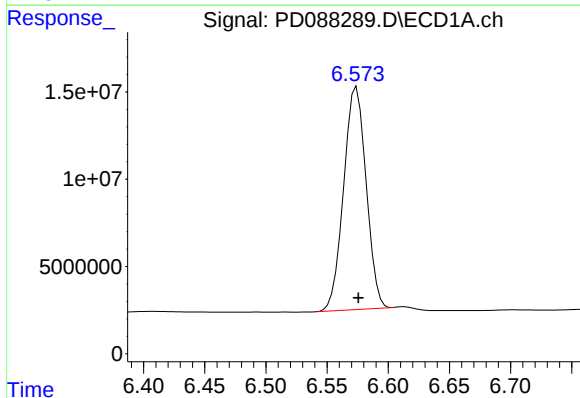
R.T.: 6.210 min
Delta R.T.: 0.013 min
Response: 1724188
Conc: 0.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



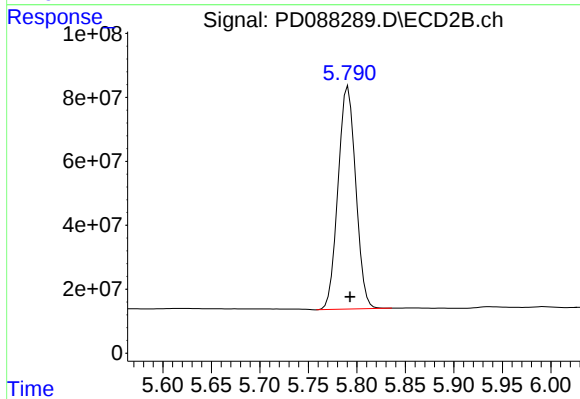
#12 4,4'-DDE

R.T.: 5.381 min
Delta R.T.: 0.001 min
Response: 3916153
Conc: 0.20 ng/ml m



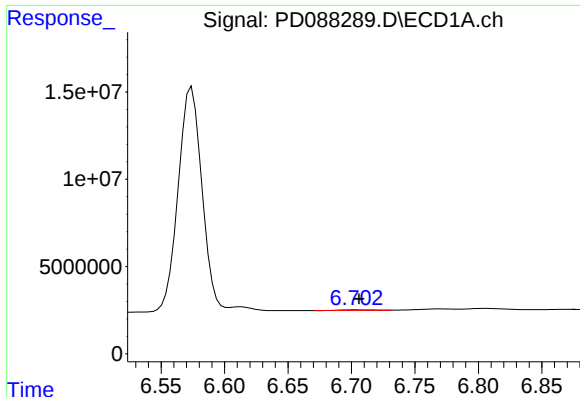
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 163380434
Conc: 54.78 ng/ml



#14 Endrin

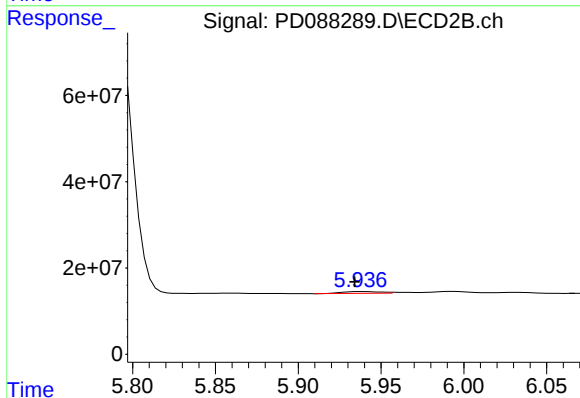
R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 882324457
Conc: 48.47 ng/ml



#16 4,4'-DDD

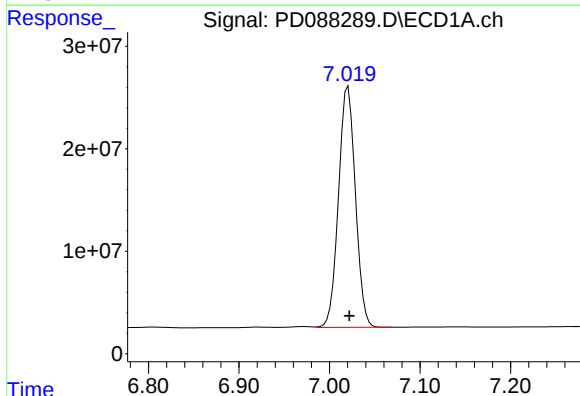
R.T.: 6.702 min
Delta R.T.: -0.004 min
Response: 644339
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



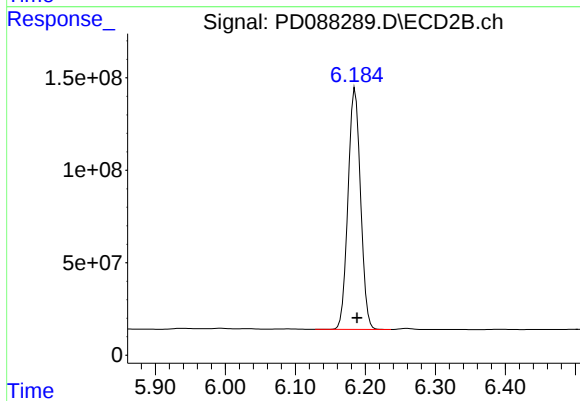
#16 4,4'-DDD

R.T.: 5.936 min
Delta R.T.: 0.002 min
Response: 6767246
Conc: 0.41 ng/ml m



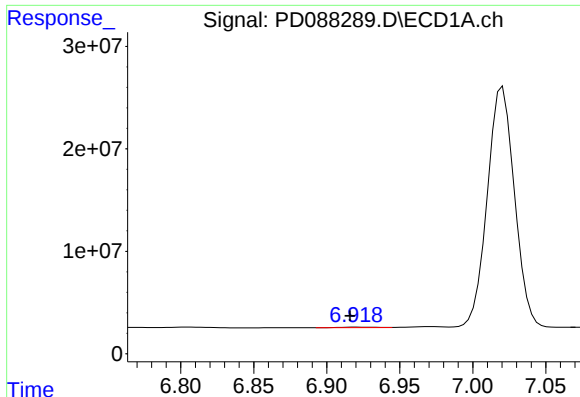
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 304853574
Conc: 109.76 ng/ml



#17 4,4'-DDT

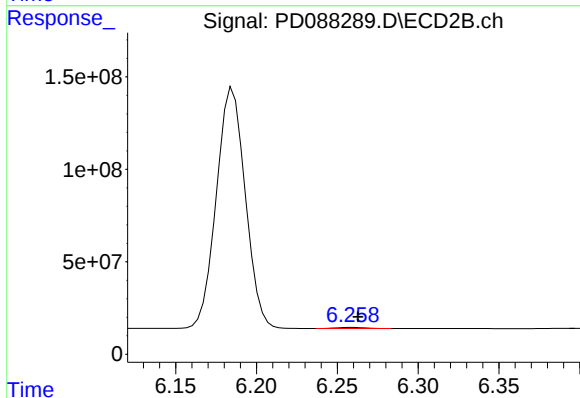
R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 1625112007
Conc: 95.50 ng/ml



#18 Endrin aldehyde

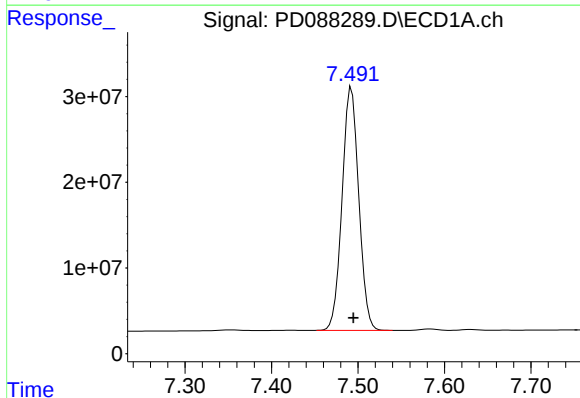
R.T.: 6.920 min
Delta R.T.: 0.004 min
Response: 928418
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



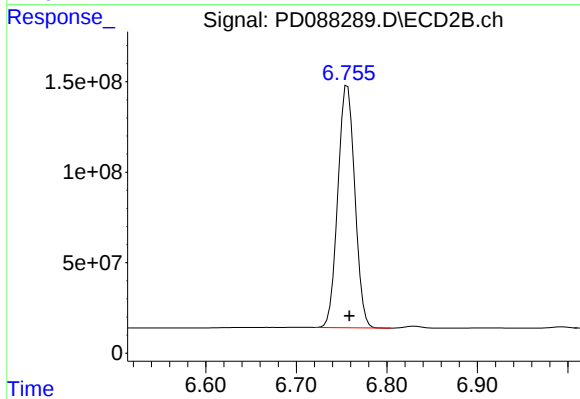
#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 7453356
Conc: 0.56 ng/ml



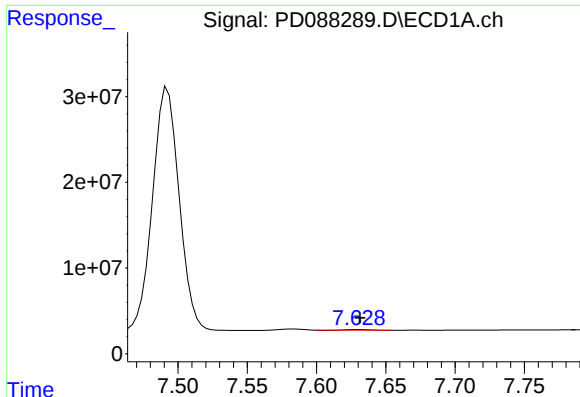
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.002 min
Response: 377936716
Conc: 252.03 ng/ml



#20 Methoxychlor

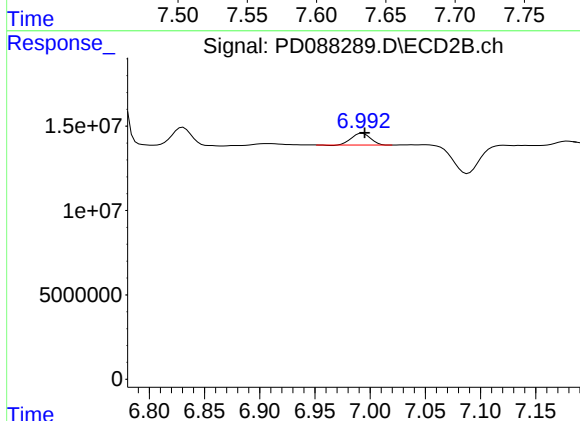
R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1742094591
Conc: 191.00 ng/ml



#21 Endrin ketone

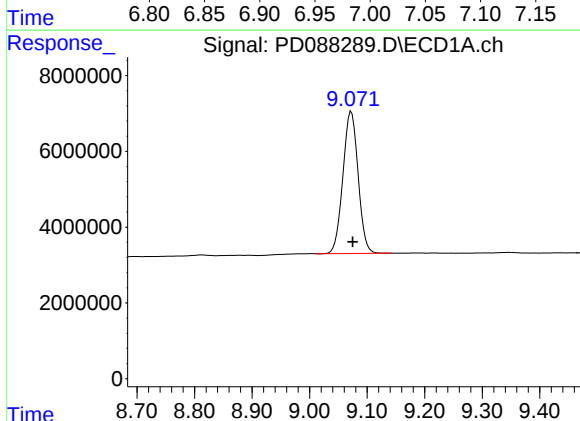
R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 874483
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



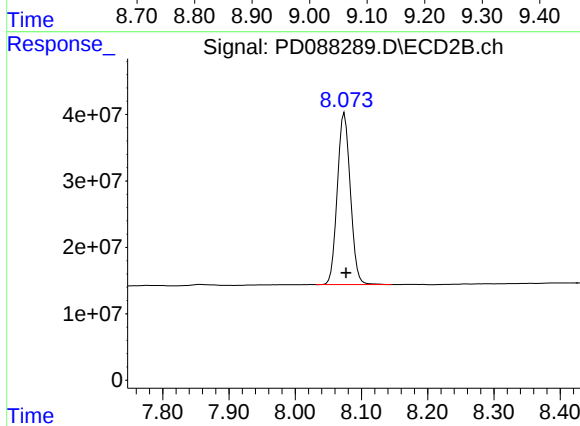
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 8292886
Conc: 0.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 69088698
Conc: 20.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 354082464
Conc: 19.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Title : GC Extractables
Last Update : Sat Apr 19 06:32:27 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.552	5.948	100.00%
5.948	6.077	100.00%
6.077	6.198	100.00%
6.198	6.349	100.00%
6.349	7.151	100.00%
7.151	7.495	100.00%
7.495	7.631	100.00%
7.631	9.075	100.00%

Signal #2

2.883	5.130	100.00%
5.130	5.251	100.00%
5.251	5.379	100.00%
5.379	5.517	100.00%
5.517	6.486	100.00%
6.486	6.759	100.00%
6.759	6.995	100.00%
6.995	8.076	100.00%

PD041825.M Mon Apr 21 06:14:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088123.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:43
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 06:03:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.883	37870717	290.8E6	18.960	19.885
28)	SA Decachlor...	9.075	8.076	66771462	372.0E6	20.184	20.130
Target Compounds							
9)	A Endosulfan I	6.077	5.251	29410187	177.2E6	8.709	9.836
10)	B gamma-Chl...	5.948	5.130	32853106	209.1E6	9.070	10.304
12)	B 4,4'-DDE	6.198	5.379	60393989	395.9E6	18.311	20.100
13)	MA Dieldrin	6.349	5.517	64800077	392.3E6	18.159	19.682
19)	B Endosulfa...	7.151	6.486	54061534	339.7E6	18.799	19.830
20)	A Methoxychlor	7.495	6.758	137.4E6	780.0E6	91.608	85.519
21)	B Endrin ke...	7.631	6.995	57978754	371.5E6	18.784	19.864

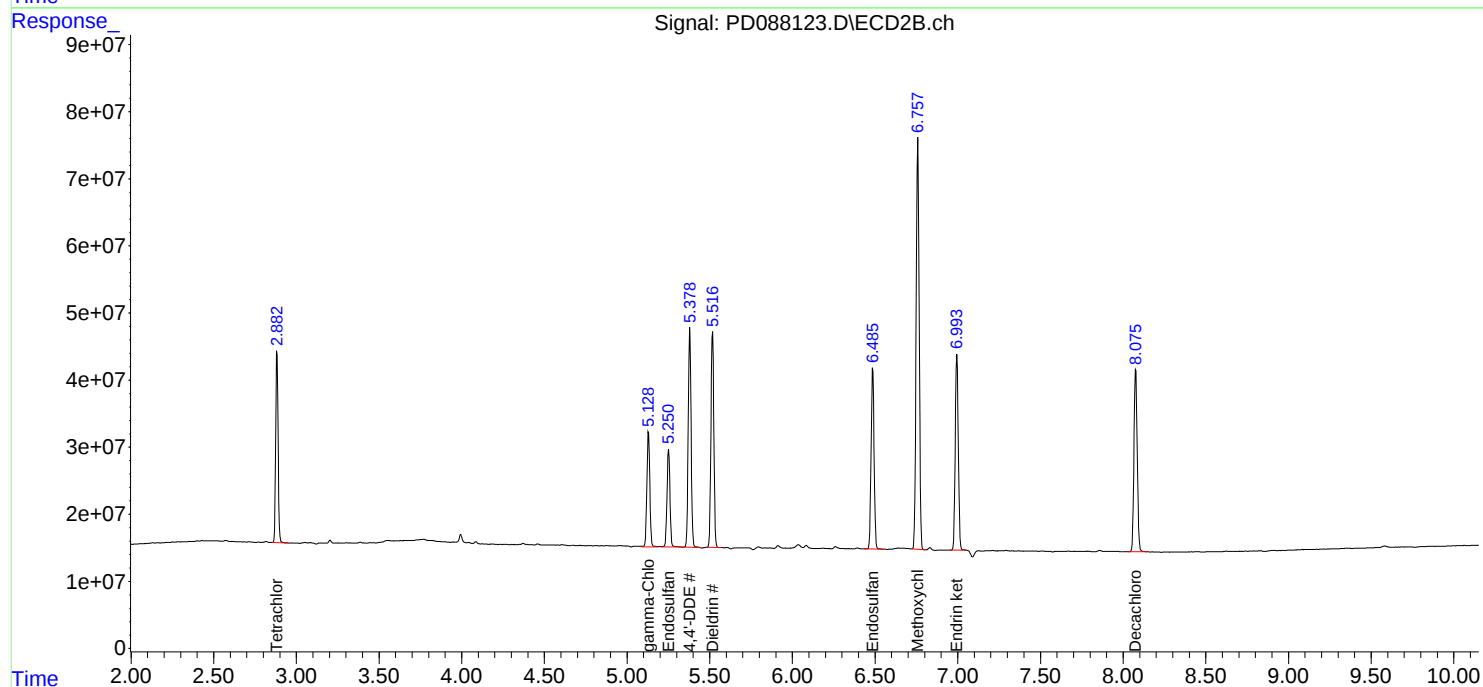
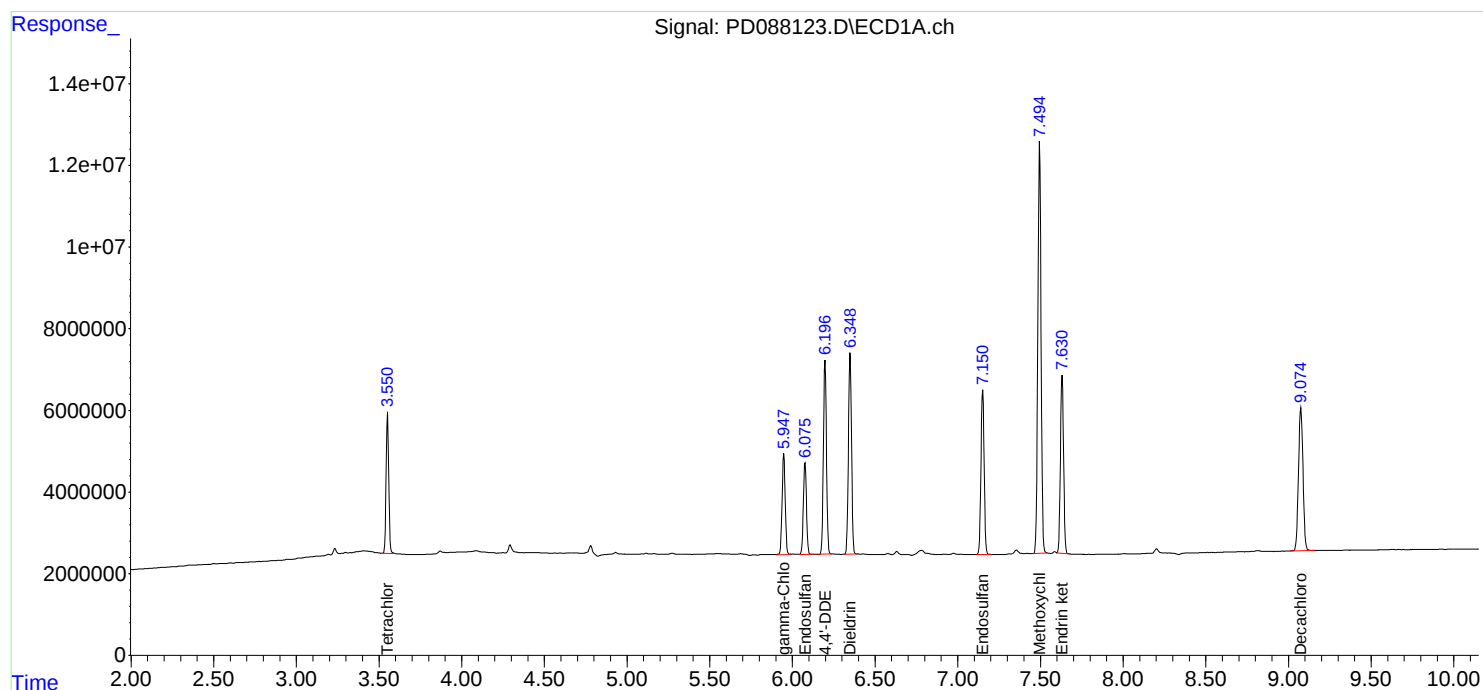
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

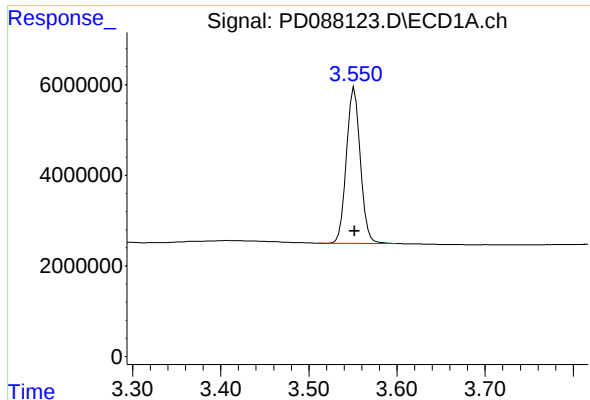
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 06:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

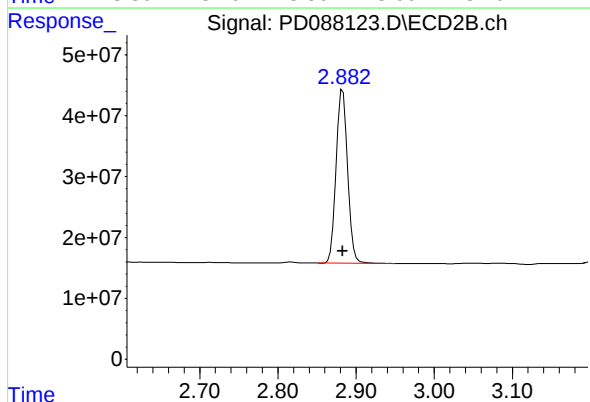




#1 Tetrachloro-m-xylene

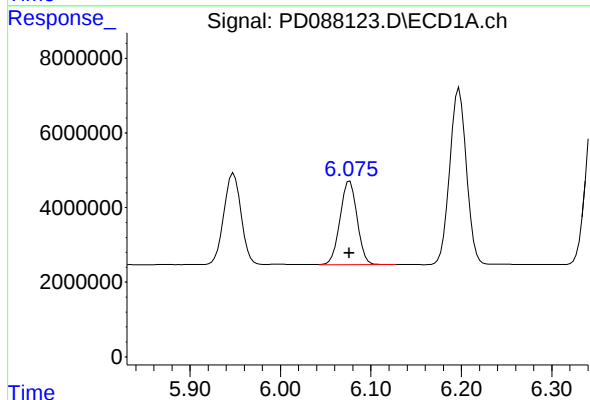
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 37870717
Conc: 18.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



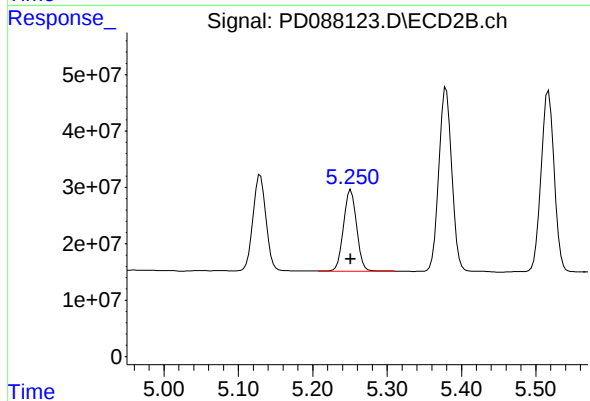
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 290753510
Conc: 19.89 ng/ml



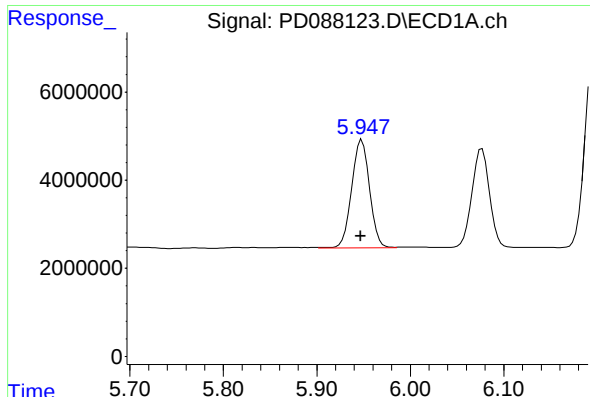
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 29410187
Conc: 8.71 ng/ml



#9 Endosulfan I

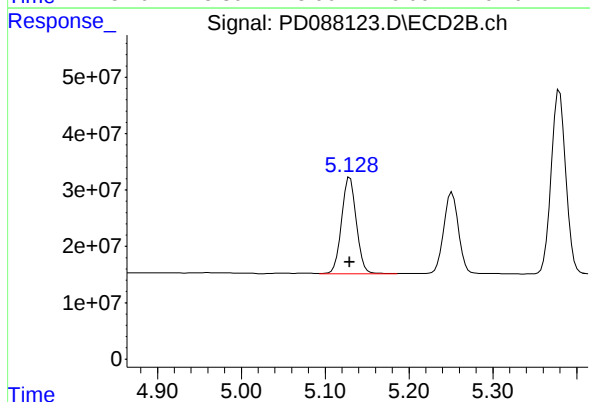
R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 177177453
Conc: 9.84 ng/ml



#10 gamma-Chlordane

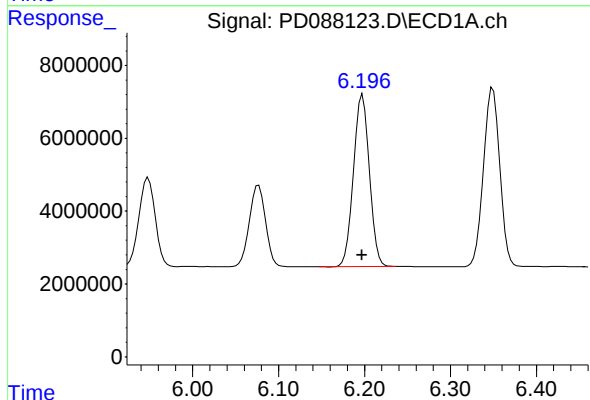
R.T.: 5.948 min
Delta R.T.: 0.001 min
Response: 32853106
Conc: 9.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



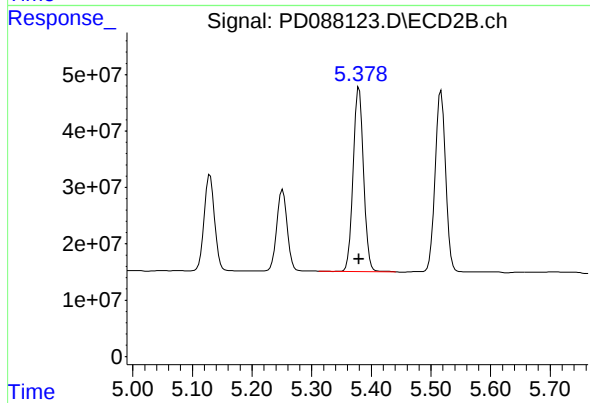
#10 gamma-Chlordane

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 209139105
Conc: 10.30 ng/ml



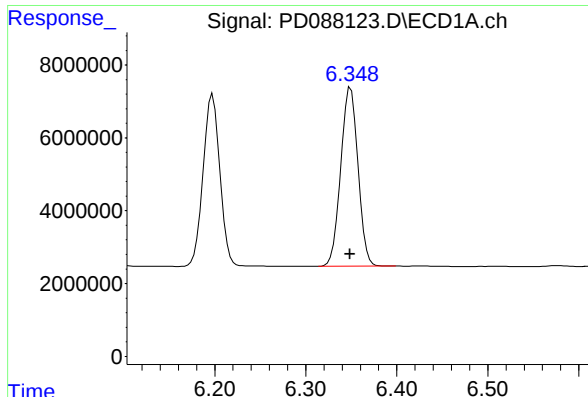
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 60393989
Conc: 18.31 ng/ml



#12 4,4'-DDE

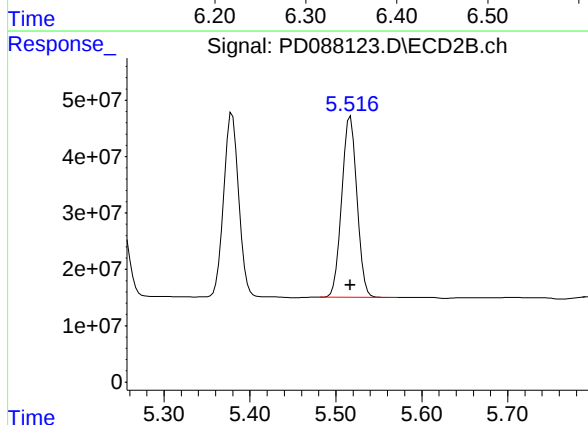
R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 395851321
Conc: 20.10 ng/ml



#13 Dieldrin

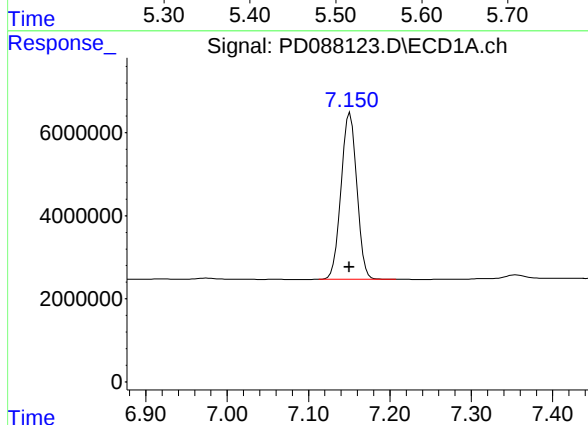
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 64800077
Conc: 18.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



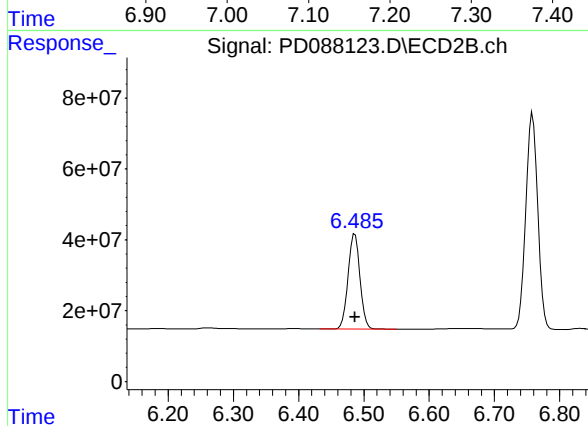
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 392323553
Conc: 19.68 ng/ml



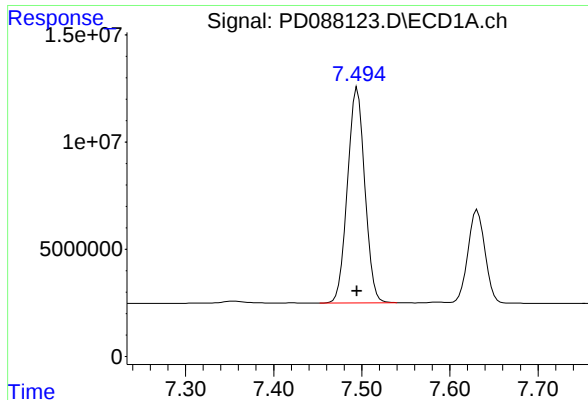
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 54061534
Conc: 18.80 ng/ml



#19 Endosulfan Sulfate

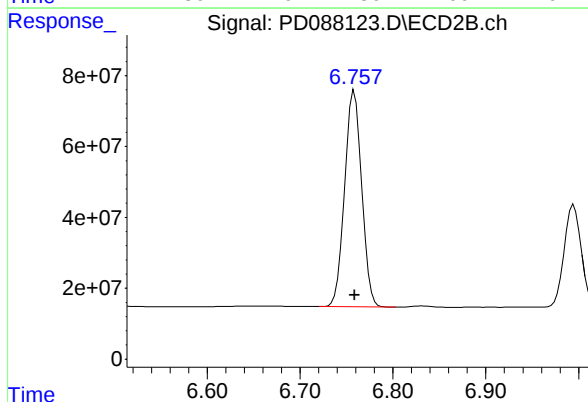
R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 339744835
Conc: 19.83 ng/ml



#20 Methoxychlor

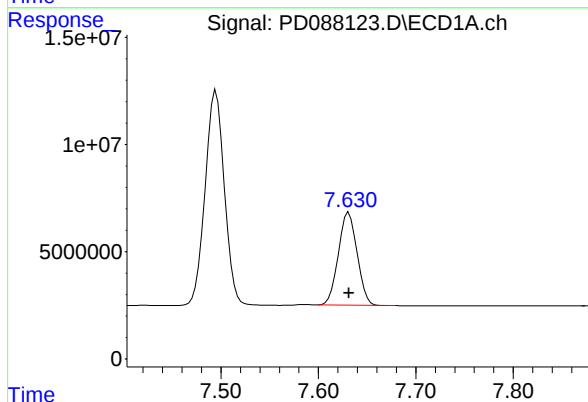
R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 137370950
Conc: 91.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



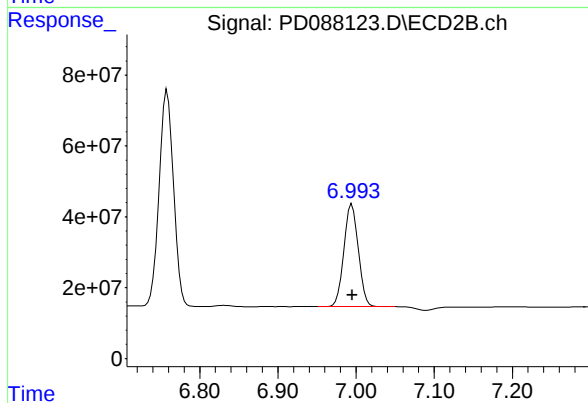
#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 780024876
Conc: 85.52 ng/ml



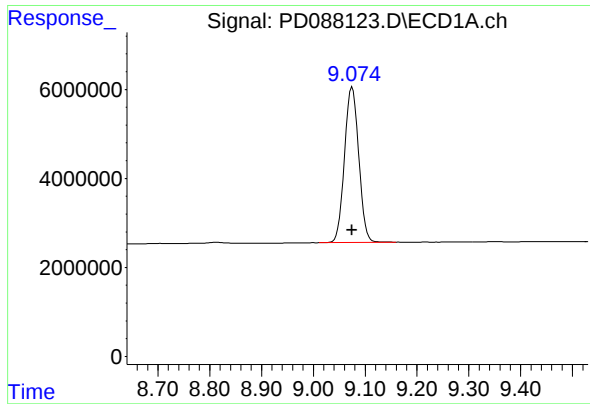
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 57978754
Conc: 18.78 ng/ml



#21 Endrin ketone

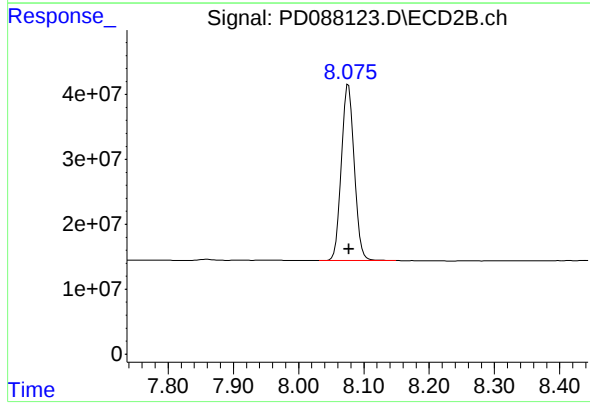
R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 371541118
Conc: 19.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 66771462
Conc: 20.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 371985891
Conc: 20.13 ng/ml

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICCC100	PSTDICCC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICCC075	PSTDICCC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICCC050	PSTDICCC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICCC025	PSTDICCC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICCC005	PSTDICCC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
IBLK	IBLK	04/23/2025	08:45	PD088231.D	9.08	3.55
PEM	PEM	04/23/2025	08:59	PD088232.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/23/2025	09:55	PD088233.D	9.09	3.56
PB167709BL	PB167709BL	04/23/2025	12:45	PD088238.D	9.08	3.55
PB167709BS	PB167709BS	04/23/2025	12:59	PD088239.D	9.07	3.55
IBLK	IBLK	04/23/2025	14:51	PD088246.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/23/2025	15:05	PD088247.D	9.07	3.55
IBLK	IBLK	04/28/2025	09:09	PD088288.D	9.07	3.55
PEM	PEM	04/28/2025	09:23	PD088289.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/28/2025	09:46	PD088290.D	9.08	3.56
COMP-2MS	Q1858-02MS	04/28/2025	10:32	PD088293.D	9.07	3.55
COMP-2MSD	Q1858-02MSD	04/28/2025	10:45	PD088294.D	9.07	3.55
COMP-1	Q1859-01	04/28/2025	11:13	PD088296.D	9.07	3.55
COMP-2	Q1859-02	04/28/2025	11:26	PD088297.D	9.07	3.55
COMP-3	Q1859-03	04/28/2025	11:40	PD088298.D	9.07	3.55
IBLK	IBLK	04/28/2025	12:34	PD088302.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/28/2025	15:10	PD088303.D	9.08	3.56

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICCC100	PSTDICCC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICCC075	PSTDICCC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICCC050	PSTDICCC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICCC025	PSTDICCC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICCC005	PSTDICCC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
IBLK	IBLK	04/23/2025	08:45	PD088231.D	8.08	2.88
PEM	PEM	04/23/2025	08:59	PD088232.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/23/2025	09:55	PD088233.D	8.08	2.88
PB167709BL	PB167709BL	04/23/2025	12:45	PD088238.D	8.08	2.88
PB167709BS	PB167709BS	04/23/2025	12:59	PD088239.D	8.08	2.88
IBLK	IBLK	04/23/2025	14:51	PD088246.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/23/2025	15:05	PD088247.D	8.08	2.88
IBLK	IBLK	04/28/2025	09:09	PD088288.D	8.08	2.88
PEM	PEM	04/28/2025	09:23	PD088289.D	8.07	2.88
PSTDCCC050	PSTDCCC050	04/28/2025	09:46	PD088290.D	8.08	2.88
COMP-2MS	Q1858-02MS	04/28/2025	10:32	PD088293.D	8.07	2.88
COMP-2MSD	Q1858-02MSD	04/28/2025	10:45	PD088294.D	8.07	2.88
COMP-1	Q1859-01	04/28/2025	11:13	PD088296.D	8.07	2.88
COMP-2	Q1859-02	04/28/2025	11:26	PD088297.D	8.08	2.88
COMP-3	Q1859-03	04/28/2025	11:40	PD088298.D	8.08	2.88
IBLK	IBLK	04/28/2025	12:34	PD088302.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/28/2025	15:10	PD088303.D	8.08	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1

Contract: POWE02

Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859 SDG NO.: Q1859

Lab Sample ID: Q1859-01 Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dieldrin	1	6.35	6.30	6.40	0.29	40
	2	5.51	5.46	5.56	0.19	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2MS

Contract: POWE02

Lab Code: CHEM Case No.: Q1859

SAS No.: Q1859 SDG NO.: Q1859

Lab Sample ID: Q1858-02MS

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	17.7	15.2
	2	5.93	5.88	5.98	15.2	
4,4'-DDT	1	7.02	6.97	7.07	16.8	16.1
	2	6.18	6.13	6.23	14.3	
Aldrin	1	5.27	5.22	5.32	18.0	8.1
	2	4.37	4.32	4.42	16.6	
4,4'-DDE	1	6.20	6.15	6.25	16.1	0.6
	2	5.38	5.33	5.43	16.0	
Dieldrin	1	6.35	6.30	6.40	18.1	11.1
	2	5.51	5.46	5.56	16.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2MSD

Contract: POWE02

Lab Code: CHEM Case No.: Q1859

SAS No.: Q1859 SDG NO.: Q1859

Lab Sample ID: Q1858-02MSD

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	17.4	14.2
	2	5.93	5.88	5.98	15.1	
4,4'-DDT	1	7.02	6.97	7.07	16.5	10.9
	2	6.18	6.13	6.23	14.8	
Aldrin	1	5.27	5.22	5.32	17.9	8.7
	2	4.37	4.32	4.42	16.4	
4,4'-DDE	1	6.20	6.15	6.25	16.2	2.5
	2	5.38	5.33	5.43	15.8	
Dieldrin	1	6.35	6.30	6.40	18.0	12.4
	2	5.51	5.46	5.56	15.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167709BS

Contract: POWE02

Lab Code: CHEM Case No.: Q1859

SAS No.: Q1859 SDG NO.: Q1859

Lab Sample ID: PB167709BS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	16.7	7.5
	2	5.93	5.88	5.98	15.5	
4,4'-DDE	1	6.20	6.15	6.25	16.1	6.4
	2	5.38	5.33	5.43	15.1	
4,4'-DDT	1	7.02	6.97	7.07	15.3	7.5
	2	6.19	6.14	6.24	14.2	
Aldrin	1	5.27	5.22	5.32	16.4	7.6
	2	4.37	4.32	4.42	15.2	
Dieldrin	1	6.35	6.30	6.40	16.6	8.8
	2	5.52	5.47	5.57	15.2	



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Lincoln High School	Date Received:	
Client Sample ID:	PB167709BL	SDG No.:	Q1859
Lab Sample ID:	PB167709BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 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
PD088238.D	1	04/23/25 08:35	04/23/25 12:45	PB167709

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	18.3		20 - 144	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		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_D\Data\PD042325\
Data File : PD088238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:45
Operator : AR\AJ
Sample : PB167709BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167709BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:31:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	35733474	270.4E6	17.890	18.494
28) SA Decachlor...	9.075	8.077	60524671	314.5E6	18.296	17.020

Target Compounds

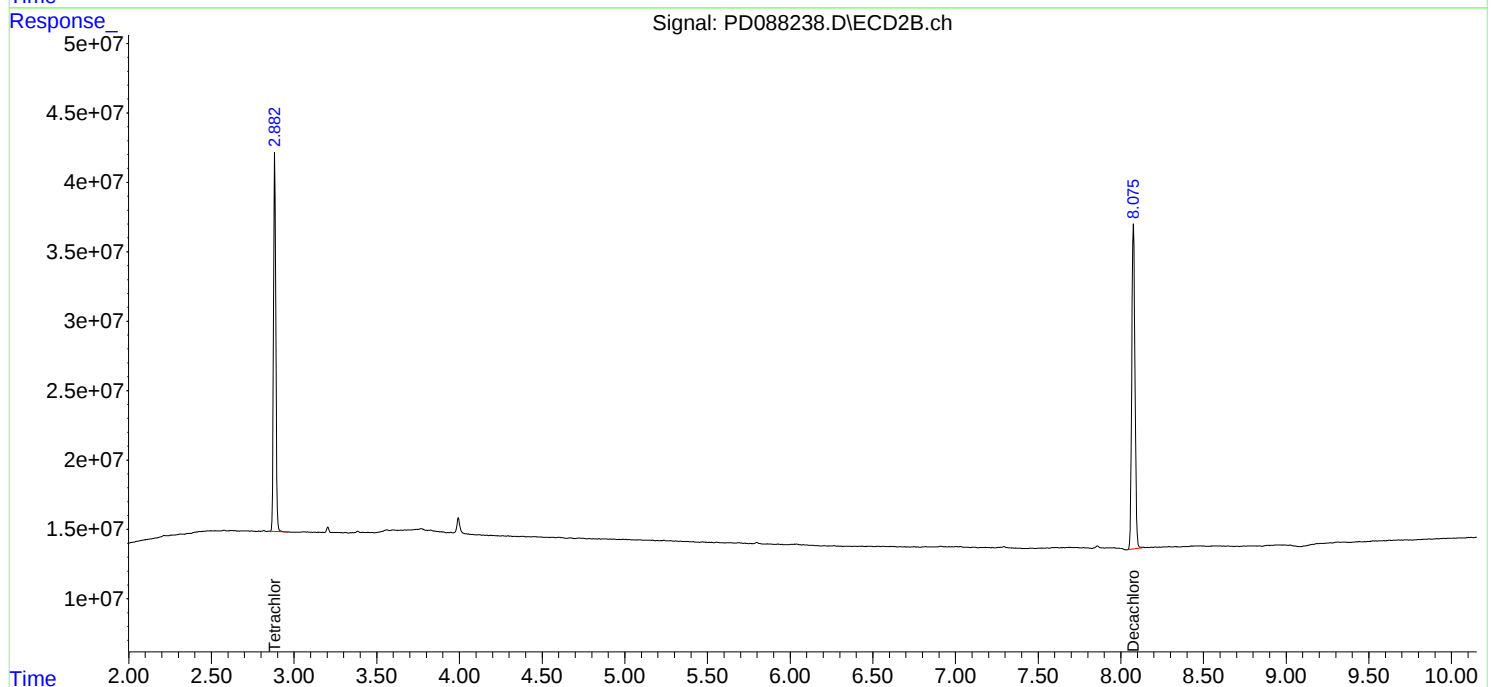
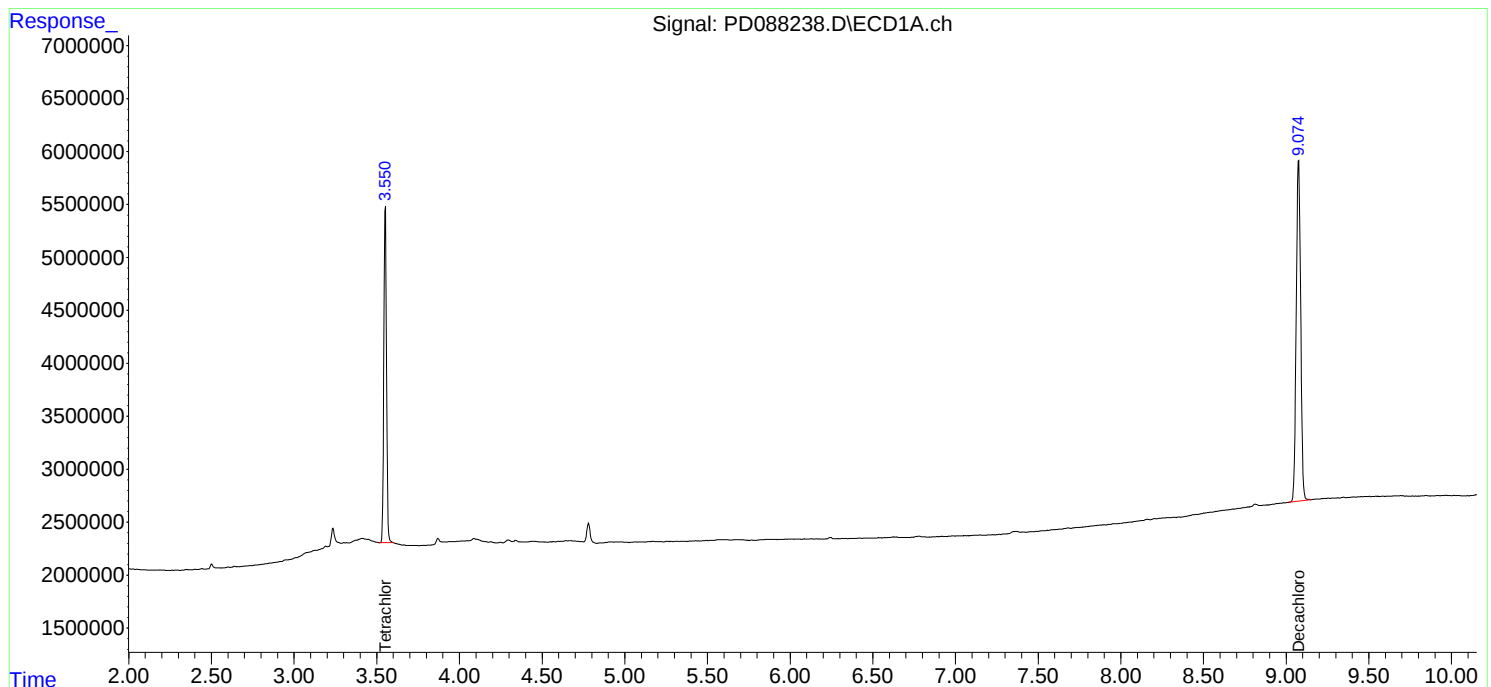
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

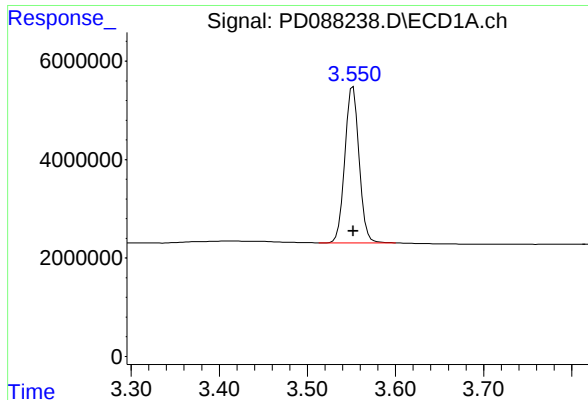
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:45
Operator : AR\AJ
Sample : PB167709BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167709BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:31:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

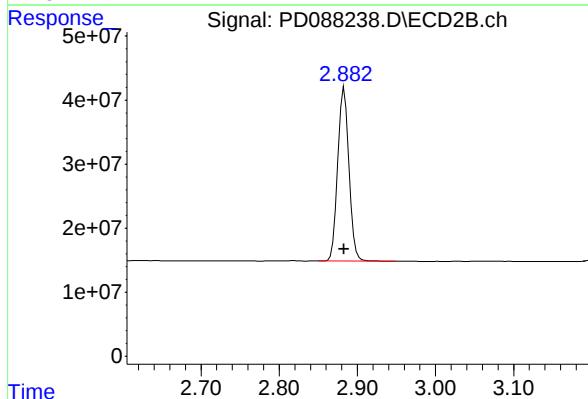




#1 Tetrachloro-m-xylene

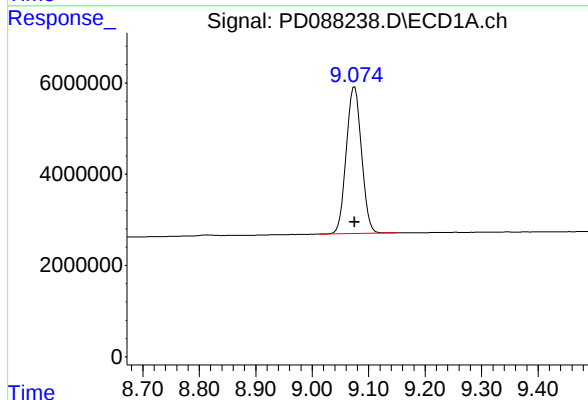
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 35733474
Conc: 17.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BL



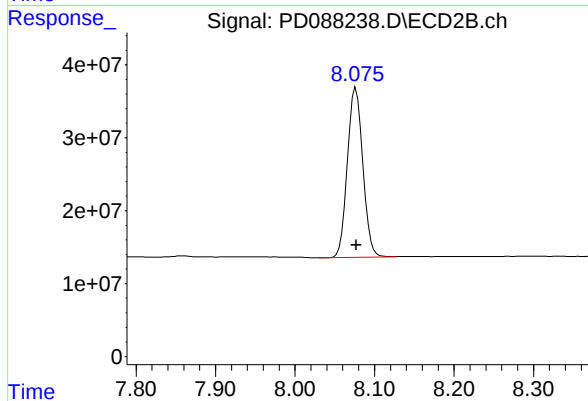
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 270406006
Conc: 18.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 60524671
Conc: 18.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 314517547
Conc: 17.02 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1859
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

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	20.9		77 - 126	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_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	40168059	305.0E6	20.110	20.857
28) SA Decachlor...	9.074	8.076	75778794	419.0E6	22.907	22.673

Target Compounds

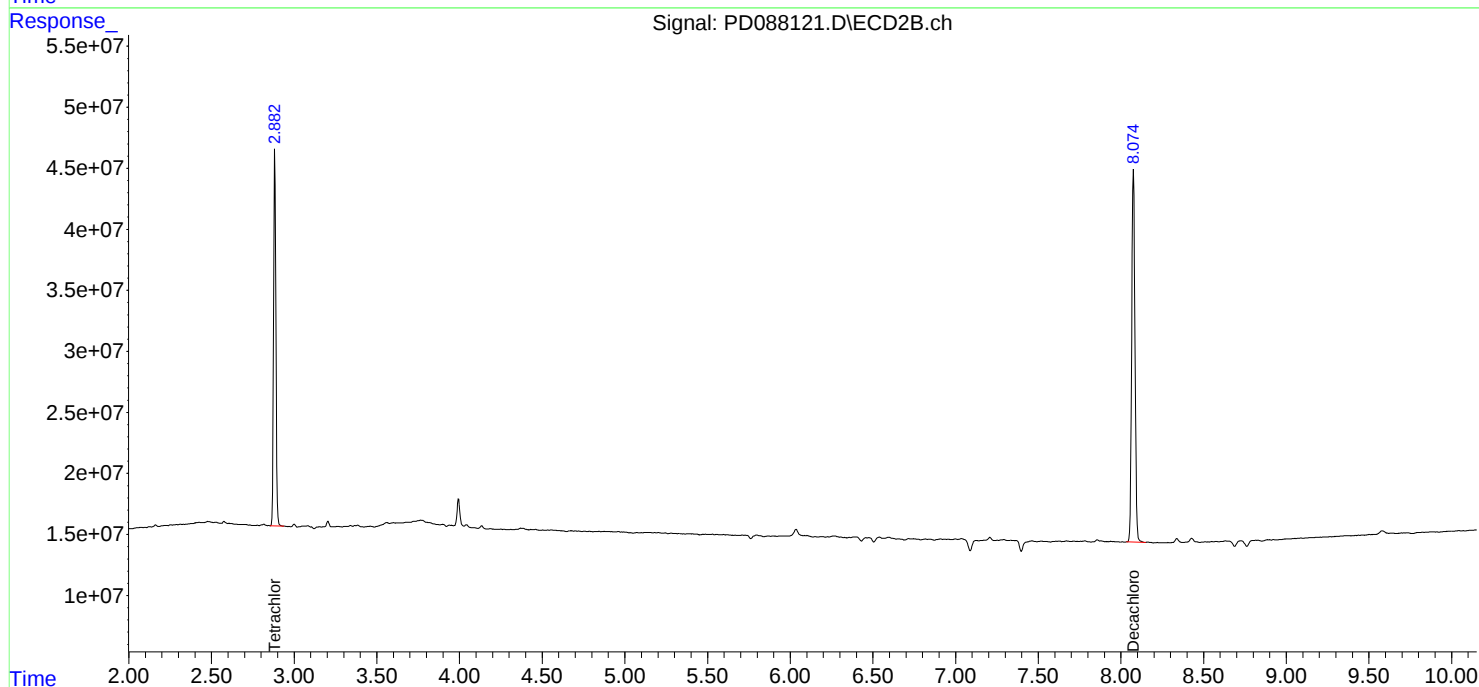
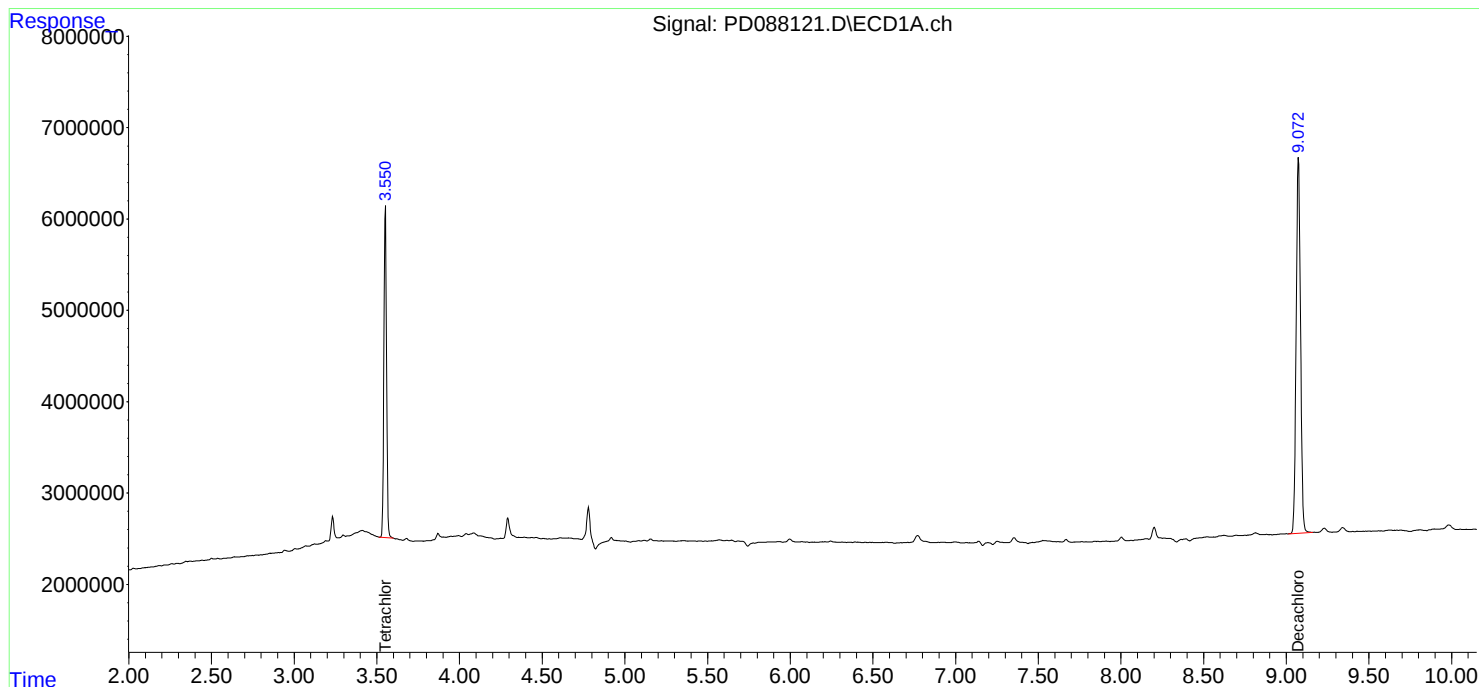
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

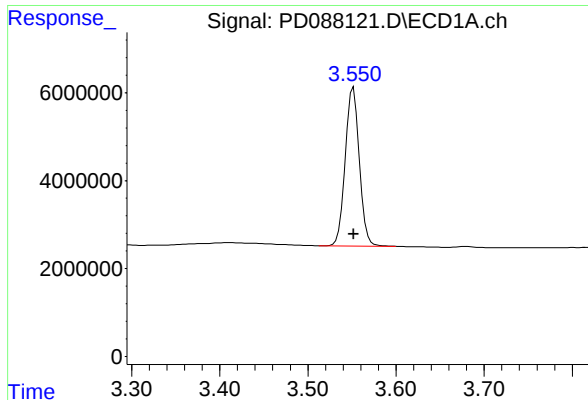
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

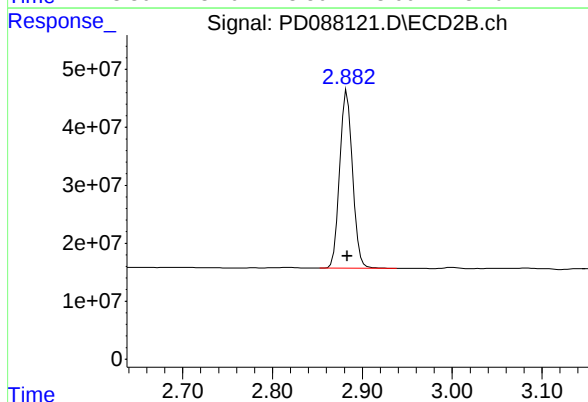




#1 Tetrachloro-m-xylene

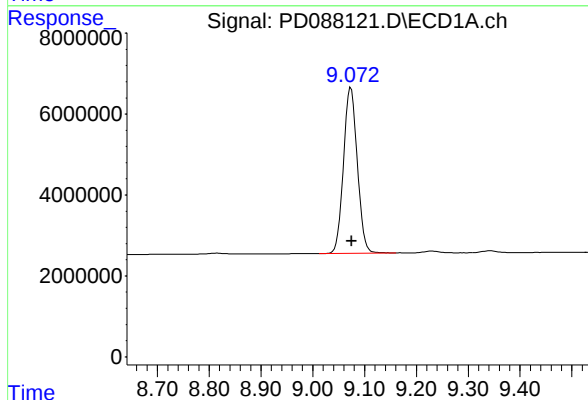
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40168059
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



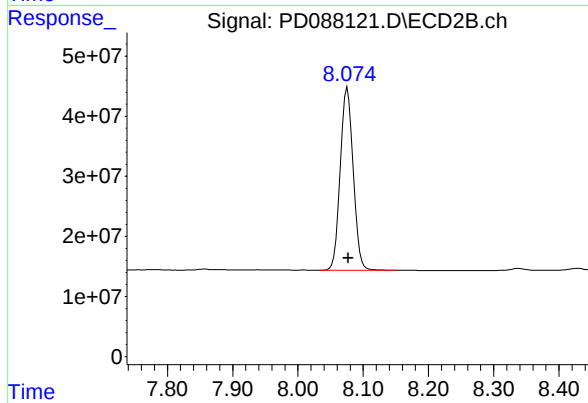
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 304969472
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 75778794
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 418982365
Conc: 22.67 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/23/25
Project:	Lincoln High School	Date Received:	04/23/25
Client Sample ID:	PIBLK-PD088231.D	SDG No.:	Q1859
Lab Sample ID:	I.BLK-PD088231.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
PD088231.D	1		04/23/25	pd042325

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	18.4		43 - 140	92%	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_D\Data\PD042325\
Data File : PD088231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 08:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 11:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.882	37872155	275.6E6	18.961	18.846
28) SA Decachlor...	9.075	8.075	60946429	326.8E6	18.423	17.684

Target Compounds

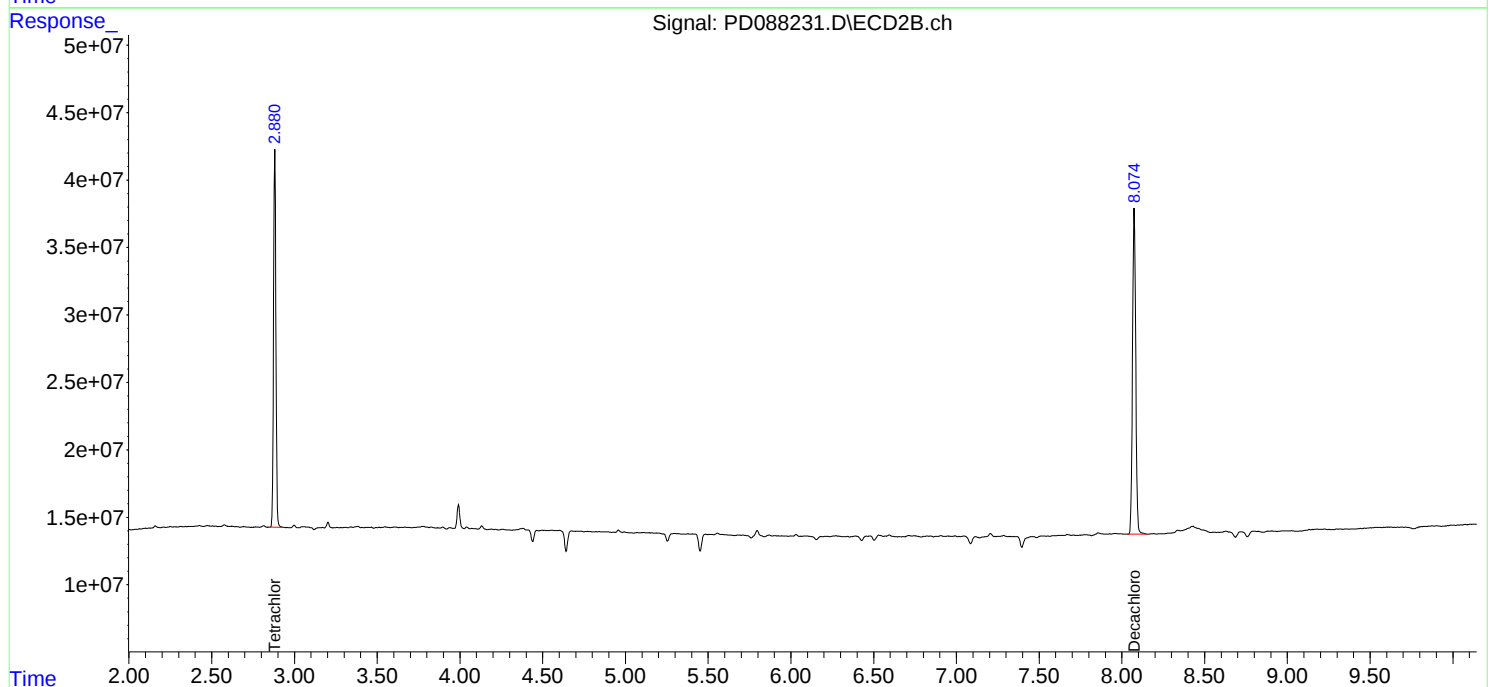
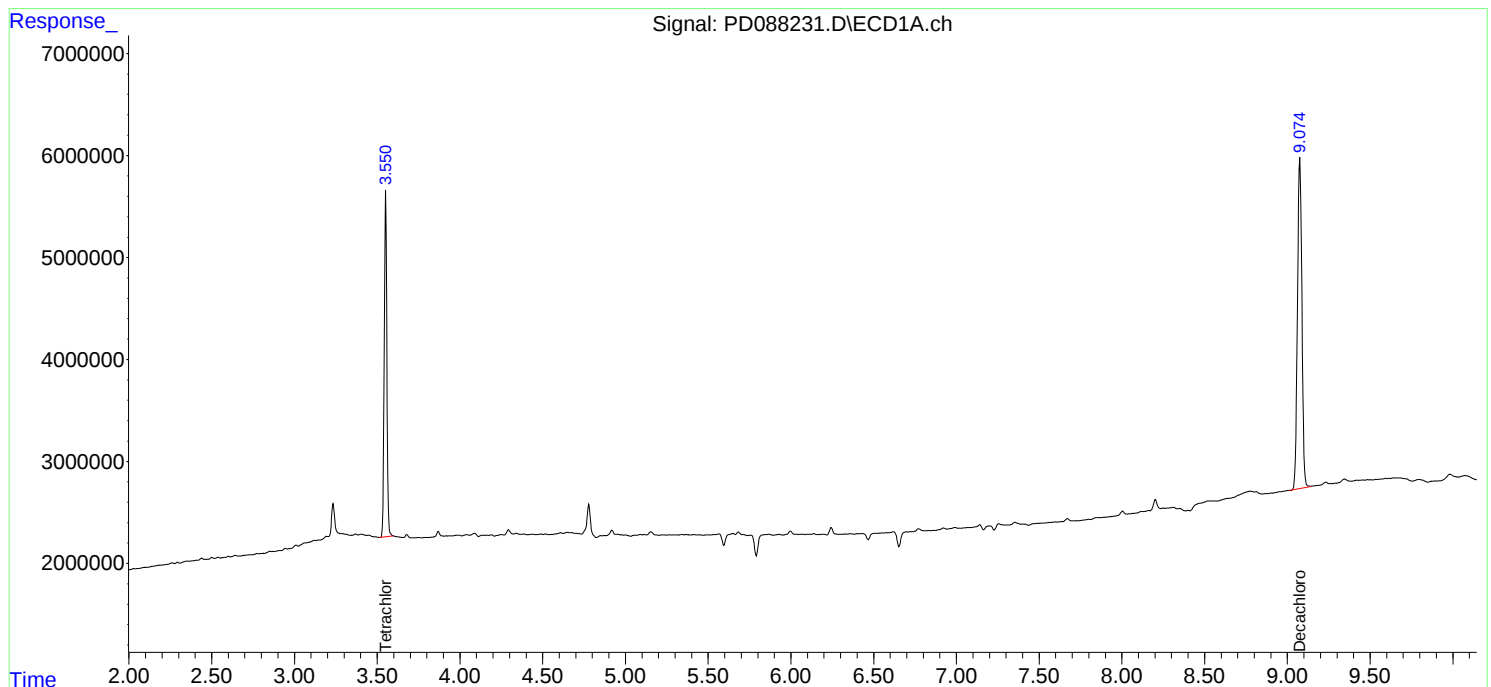
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

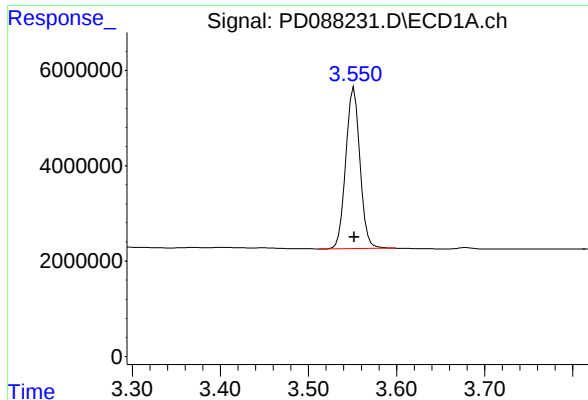
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 08:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 11:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

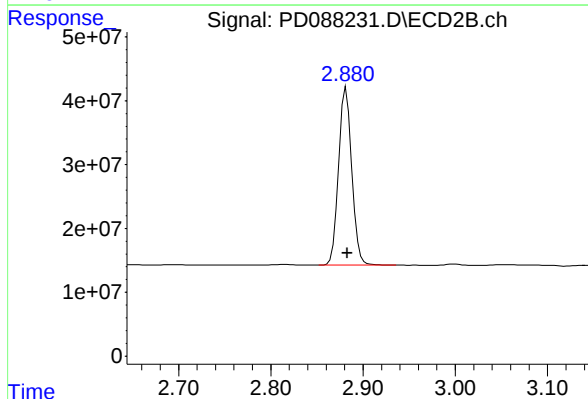




#1 Tetrachloro-m-xylene

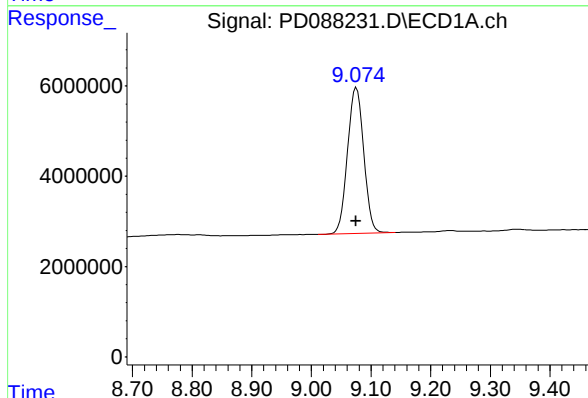
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 37872155
Conc: 18.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



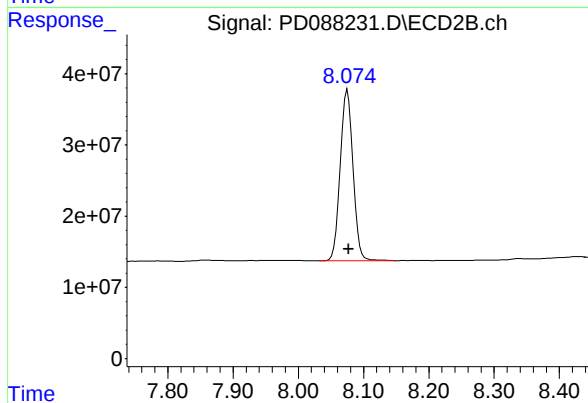
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 275553625
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 60946429
Conc: 18.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 326786033
Conc: 17.68 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/23/25
Project:	Lincoln High School	Date Received:	04/23/25
Client Sample ID:	PIBLK-PD088246.D	SDG No.:	Q1859
Lab Sample ID:	I.BLK-PD088246.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
PD088246.D	1		04/23/25	pd042325

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	17.9		43 - 140	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	37701906	272.0E6	18.876	18.603
28) SA Decachlor...	9.073	8.076	59128296	315.1E6	17.874	17.052

Target Compounds

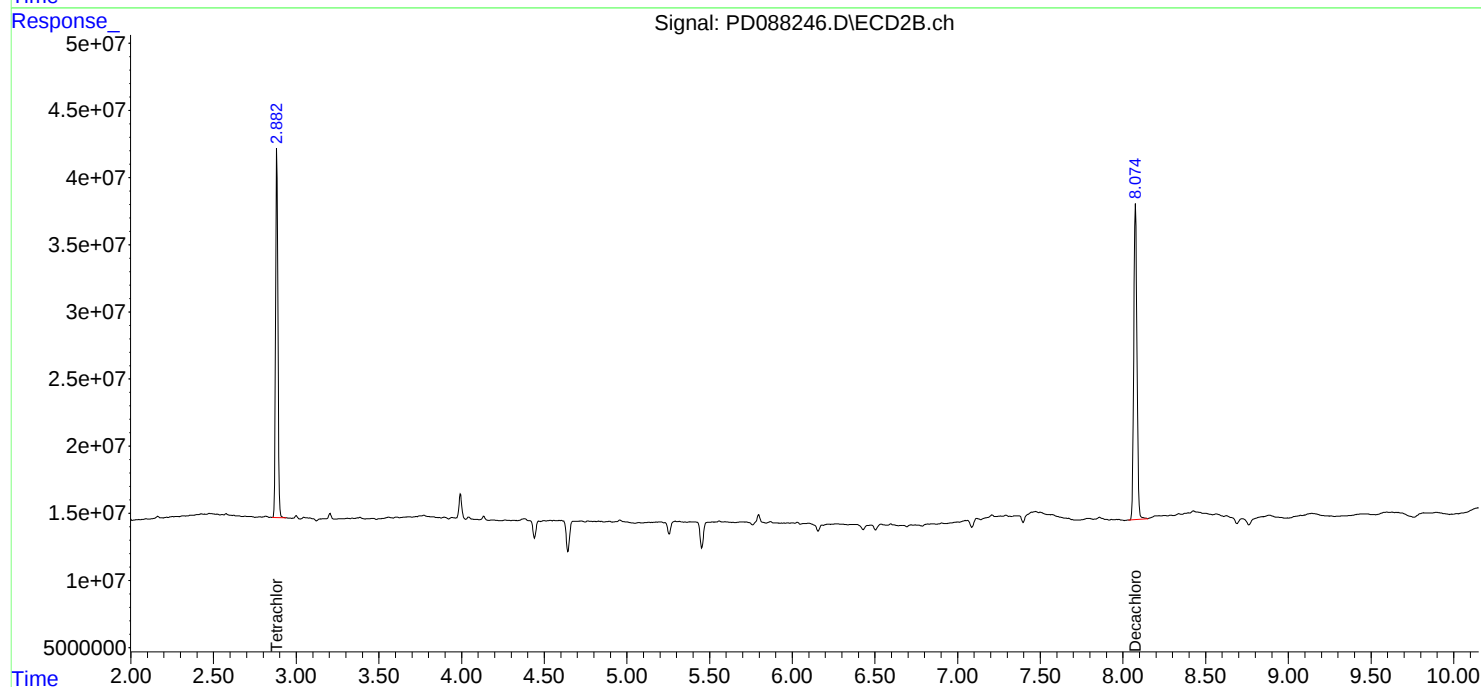
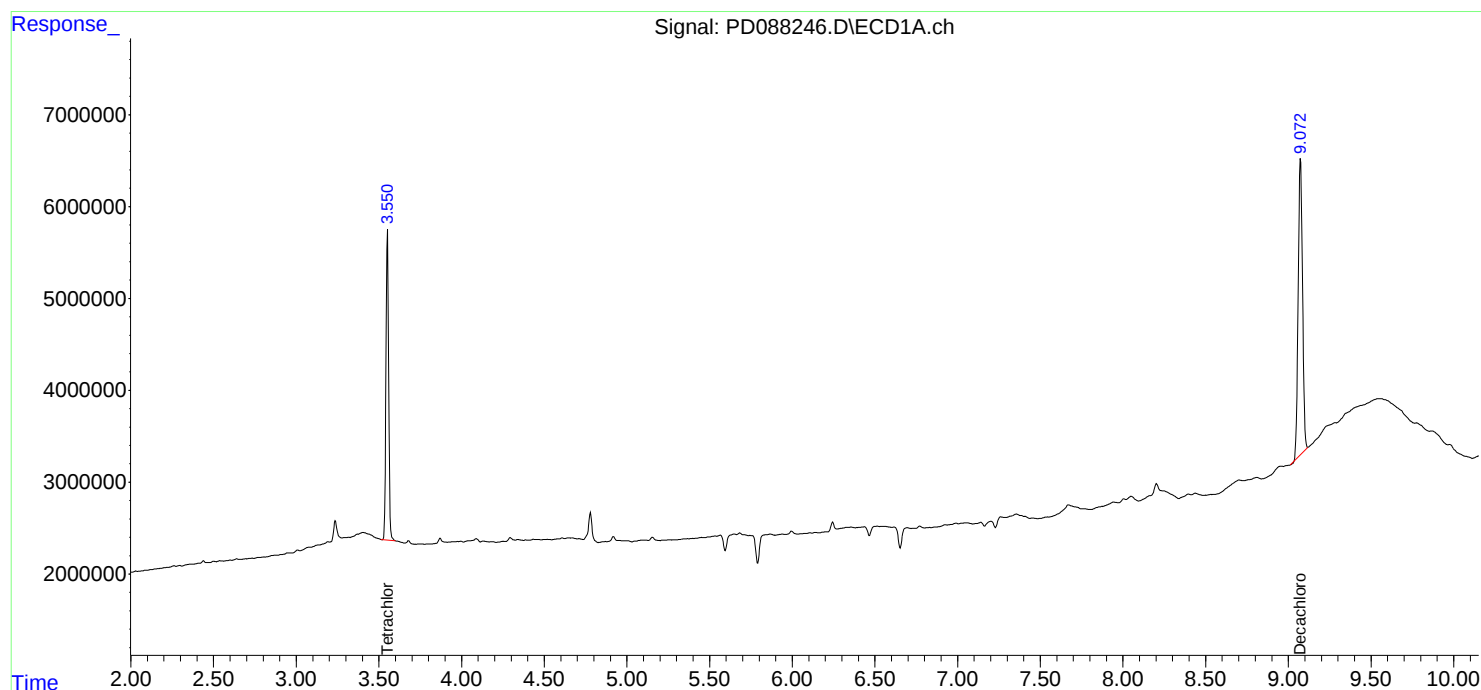
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

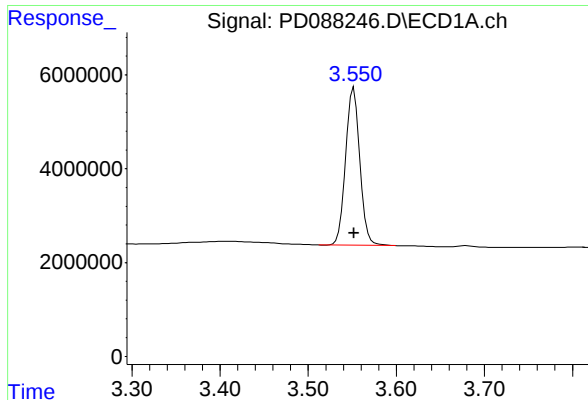
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

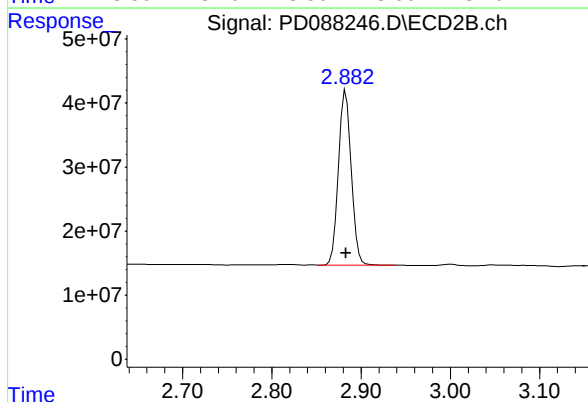




#1 Tetrachloro-m-xylene

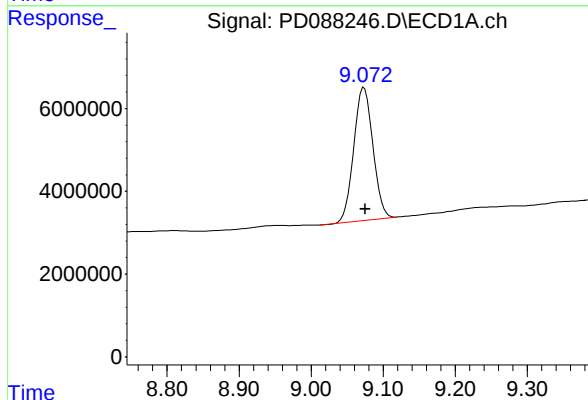
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 37701906
Conc: 18.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



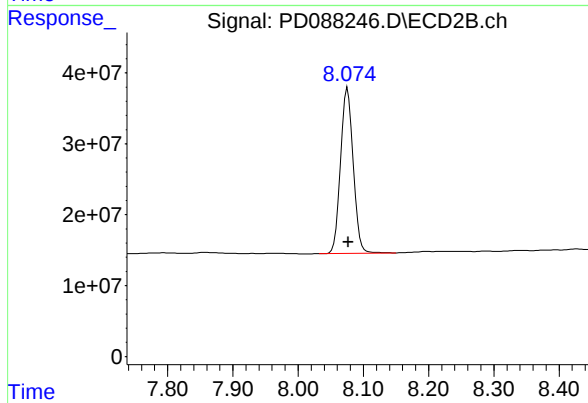
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 272002521
Conc: 18.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 59128296
Conc: 17.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 315106254
Conc: 17.05 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/28/25
Project:	Lincoln High School	Date Received:	04/28/25
Client Sample ID:	PIBLK-PD088288.D	SDG No.:	Q1859
Lab Sample ID:	I.BLK-PD088288.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
PD088288.D	1		04/28/25	pd042825

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	18.0		43 - 140	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		77 - 126	88%	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_D\Data\PD042825\
Data File : PD088288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 09:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	34963864	251.6E6	17.505	17.206
28)	SA Decachlor...	9.072	8.075	59516566	302.6E6	17.991	16.375

Target Compounds

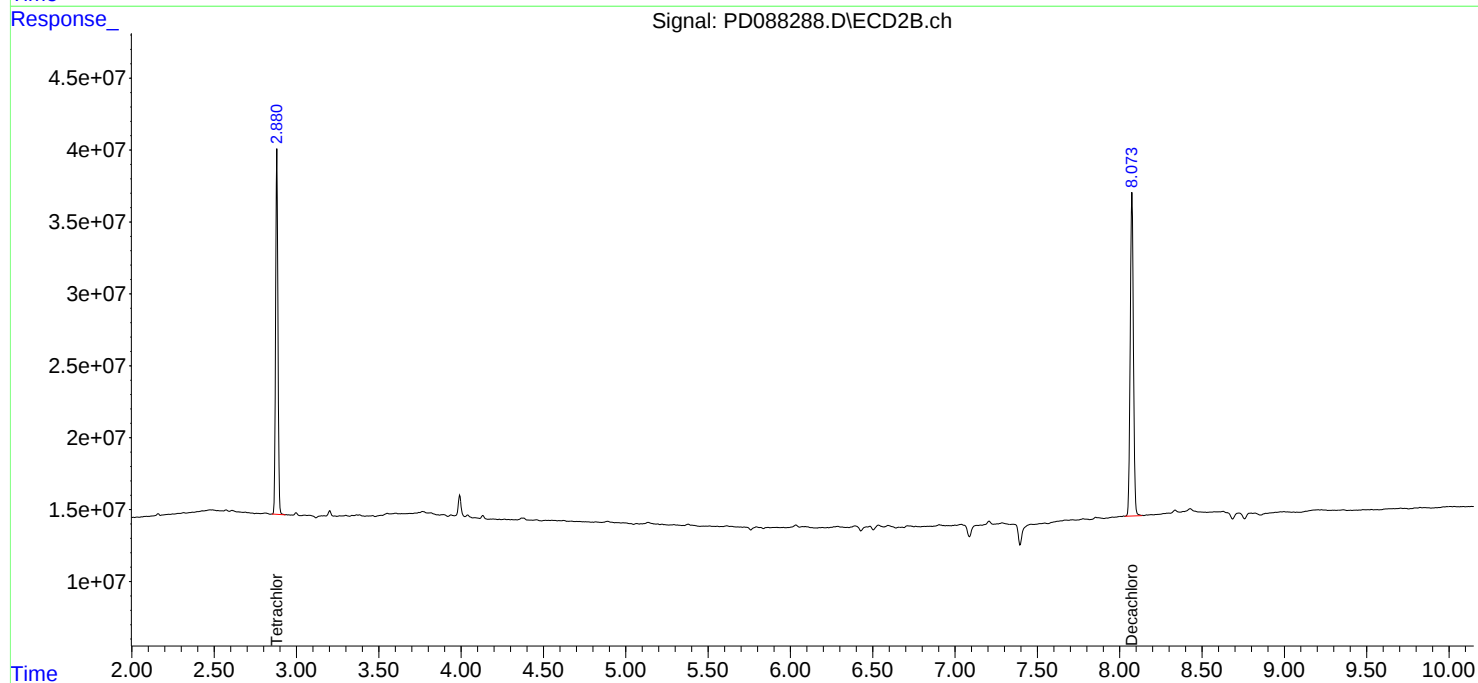
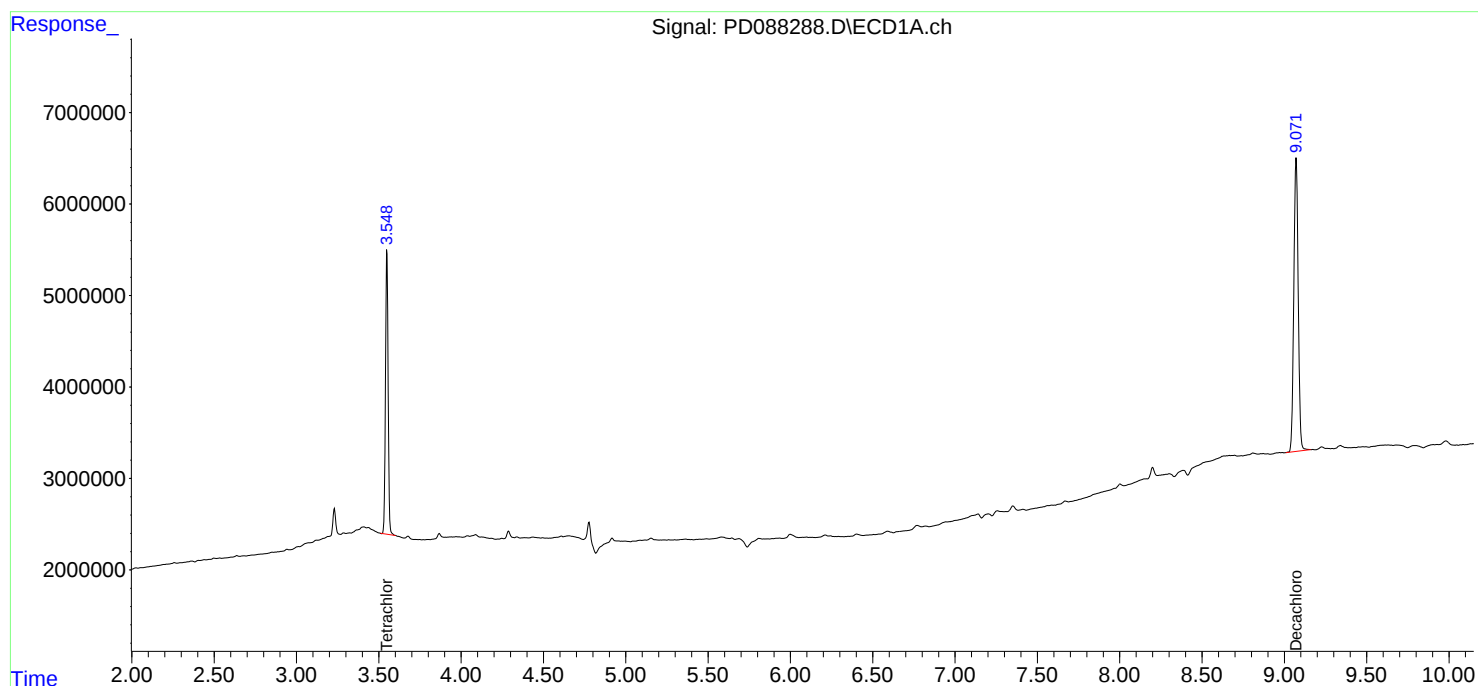
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

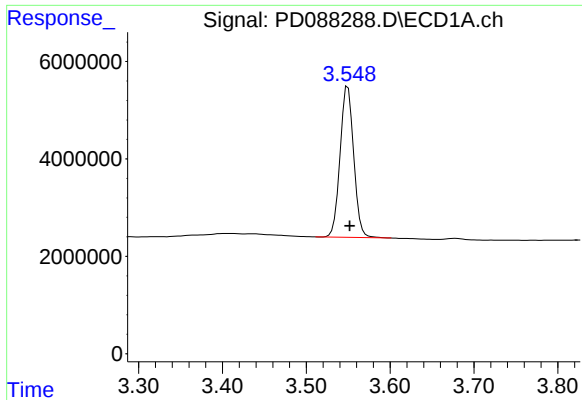
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 09:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

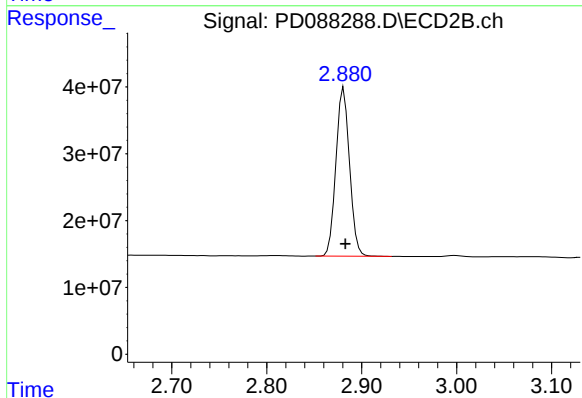




#1 Tetrachloro-m-xylene

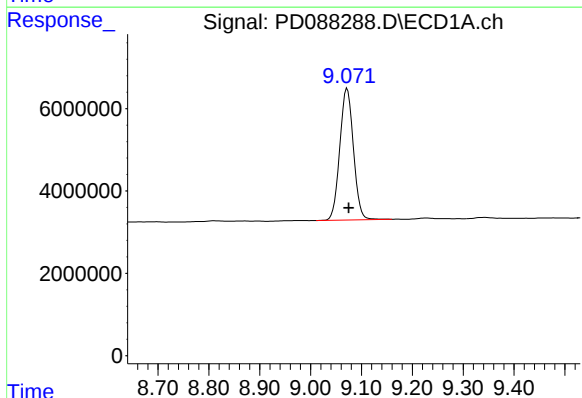
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 34963864
Conc: 17.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



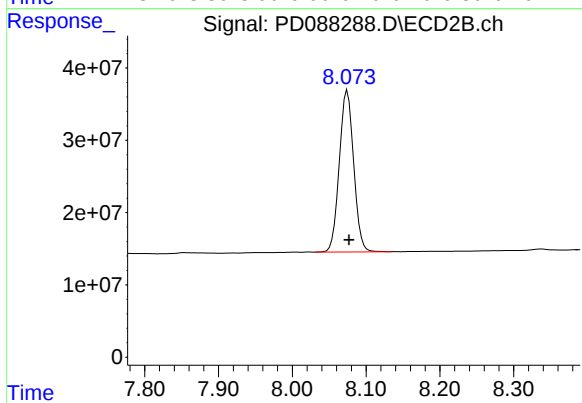
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 251572805
Conc: 17.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 59516566
Conc: 17.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 302597007
Conc: 16.37 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/28/25
Project:	Lincoln High School	Date Received:	04/28/25
Client Sample ID:	PIBLK-PD088302.D	SDG No.:	Q1859
Lab Sample ID:	I.BLK-PD088302.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
PD088302.D	1		04/28/25	pd042825

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	17.6		43 - 140	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		77 - 126	91%	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_D\Data\PD042825\
 Data File : PD088302.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 12:34
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:20:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.882	36169441	259.0E6	18.108	17.717
28)	SA Decachlor...	9.072	8.075	58092860	234.2E6	17.561	12.672 #

Target Compounds

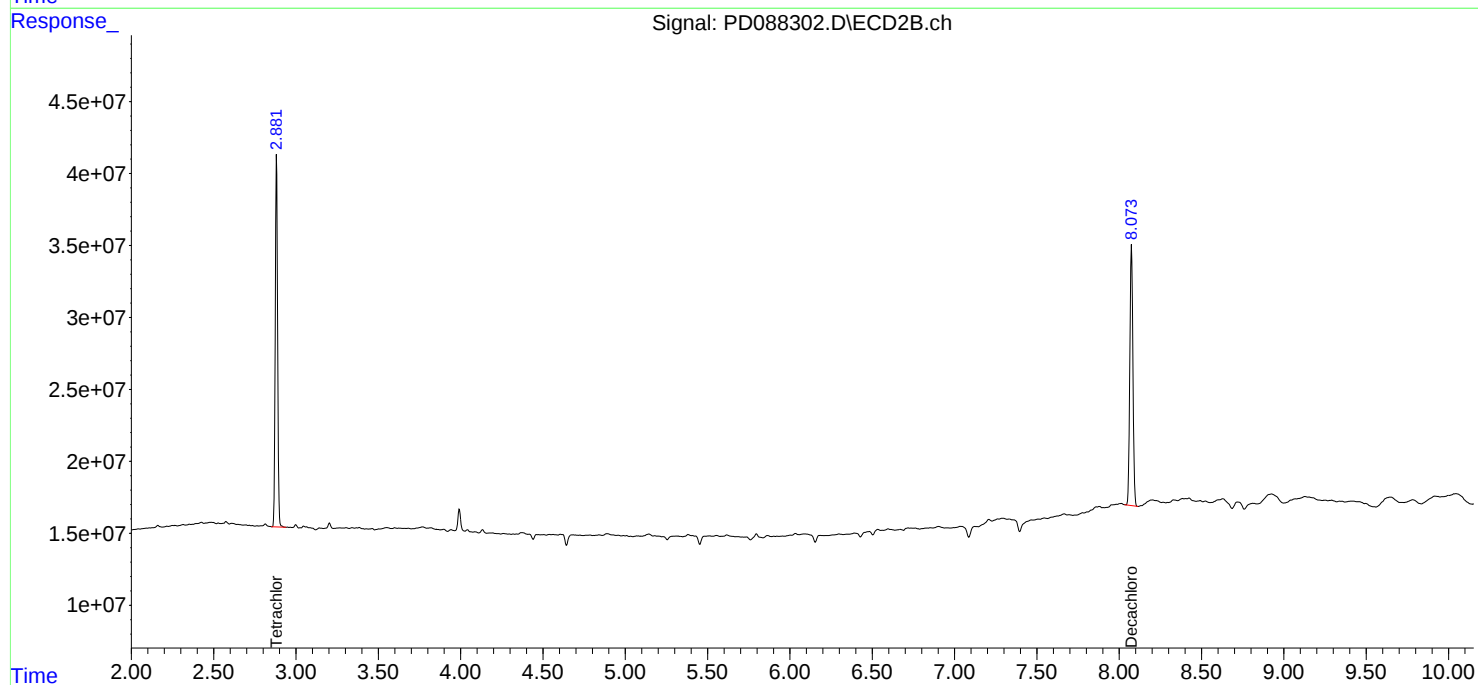
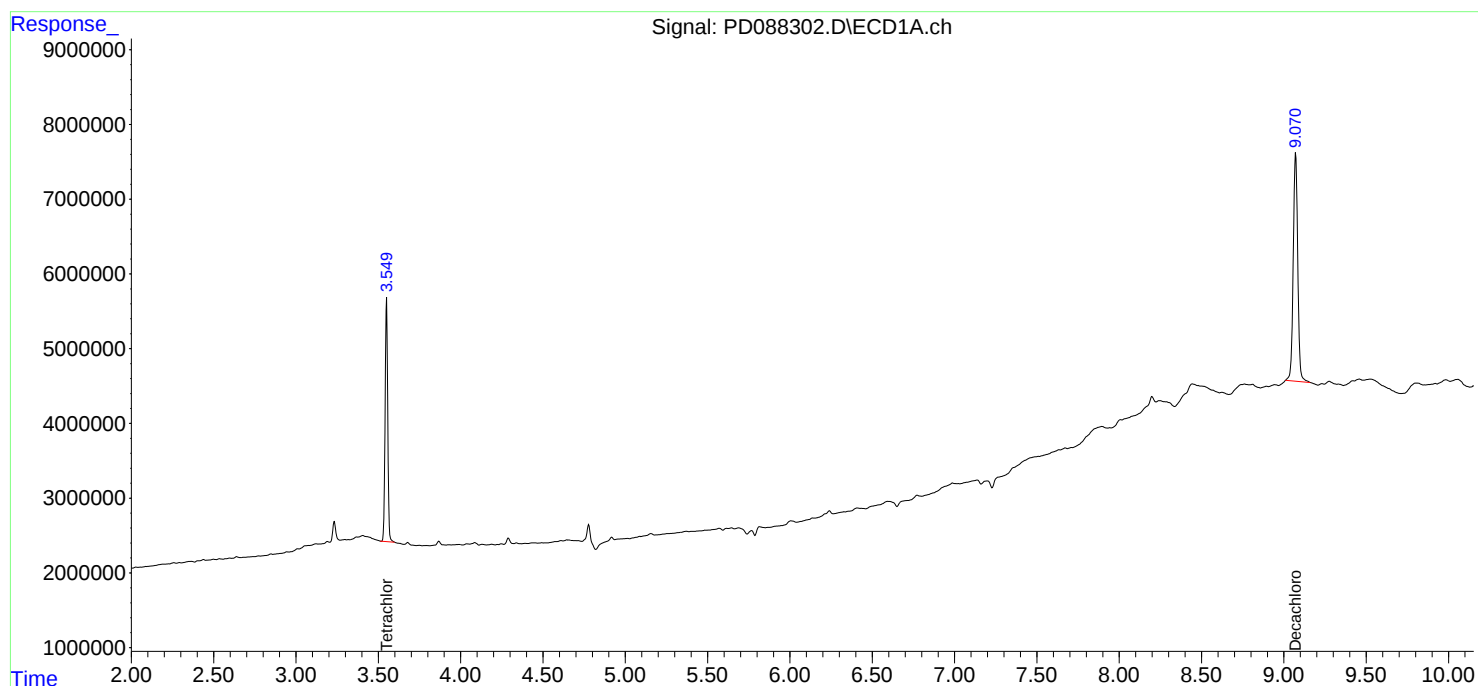
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

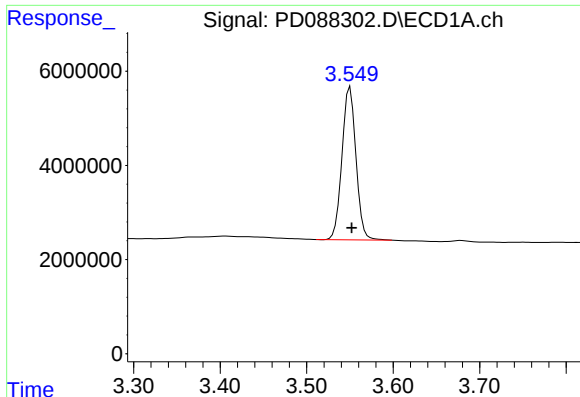
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 12:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

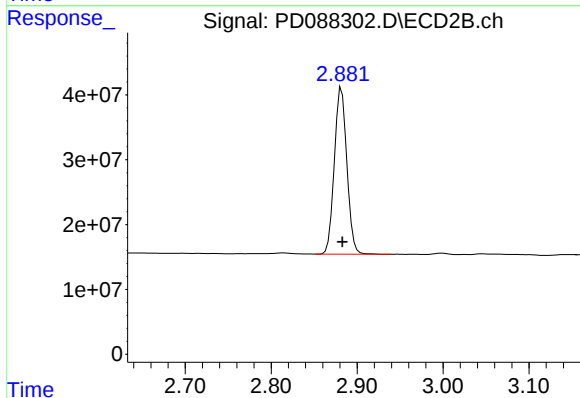




#1 Tetrachloro-m-xylene

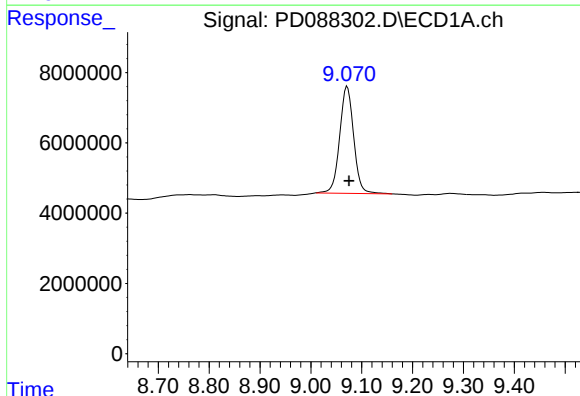
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 36169441
Conc: 18.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



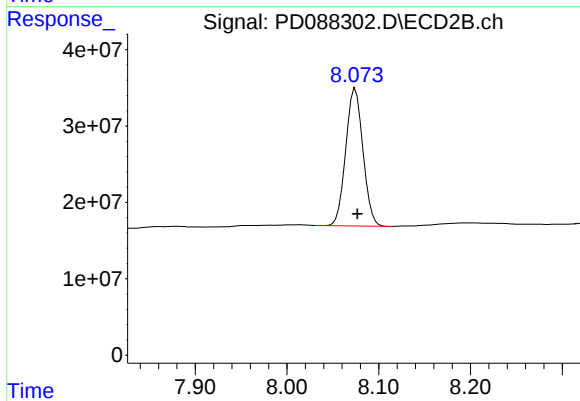
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 259047620
Conc: 17.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 58092860
Conc: 17.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 234178602
Conc: 12.67 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Lincoln High School	Date Received:	
Client Sample ID:	PB167709BS	SDG No.:	Q1859
Lab Sample ID:	PB167709BS	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
PD088239.D	1	04/23/25 08:35	04/23/25 12:59	PB167709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	16.4		0.12	1.70	ug/kg
60-57-1	Dieldrin	16.6		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.1		0.14	1.70	ug/kg
72-54-8	4,4-DDD	16.7		0.15	1.70	ug/kg
50-29-3	4,4-DDT	15.3		0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		20 - 144	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088239.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:59
 Operator : AR\AJ
 Sample : PB167709BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB167709BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 24 01:32:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.884	37490843	279.8E6	18.770	19.136
28) SA Decachlor...	9.074	8.075	65458869	348.1E6	19.787	18.836
Target Compounds						
2) A alpha-BHC	4.001	3.396	210.1E6	1038.1E6	48.719	45.408
3) MA gamma-BHC...	4.332	3.733	201.9E6	966.1E6	48.214	44.855
4) MA Heptachlor	4.931	4.086	193.6E6	940.1E6	47.933	43.933
5) MB Aldrin	5.273	4.372	194.3E6	946.0E6	49.200	45.473
6) B beta-BHC	4.516	4.028	77677732	425.3E6	47.849	45.955
7) B delta-BHC	4.765	4.265	205.9E6	969.0E6	49.922	45.577
8) B Heptachlo...	5.692	4.875	174.8E6	861.2E6	48.902	45.580
9) A Endosulfan I	6.075	5.250	166.6E6	821.5E6	49.319	45.609
10) B gamma-Chl...	5.947	5.128	176.7E6	924.0E6	48.788	45.526
11) B alpha-Chl...	6.028	5.194	176.2E6	888.4E6	48.812	45.318
12) B 4,4'-DDE	6.196	5.378	159.5E6	890.2E6	48.361	45.201
13) MA Dieldrin	6.348	5.516	177.6E6	910.3E6	49.763	45.671
14) MA Endrin	6.576	5.792	140.2E6	796.5E6	47.014	43.758
15) B Endosulfa...	6.787	6.083	149.9E6	790.5E6	47.944	45.114
16) A 4,4'-DDD	6.706	5.932	126.4E6	764.1E6	50.259	46.632
17) MA 4,4'-DDT	7.022	6.186	127.6E6	726.3E6	45.950	42.683
18) B Endrin al...	6.916	6.261	114.3E6	608.9E6	49.538	45.781
19) B Endosulfa...	7.150	6.485	140.5E6	766.0E6	48.859	44.707
20) A Methoxychlor	7.494	6.757	66343102	383.9E6	44.242	42.091
21) B Endrin ke...	7.631	6.994	152.8E6	847.9E6	49.512	45.330
22) Mirex	8.115	7.188	110.5E6	642.3E6	47.043	43.340

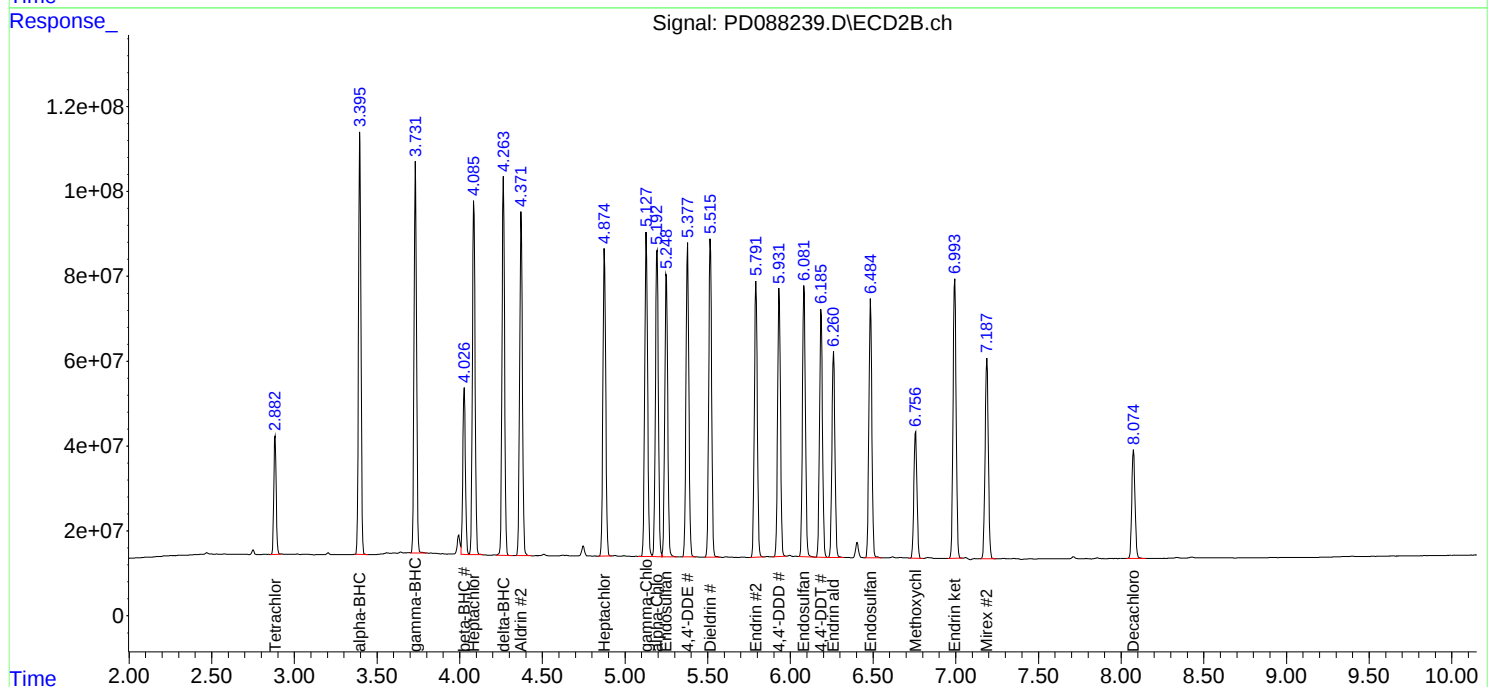
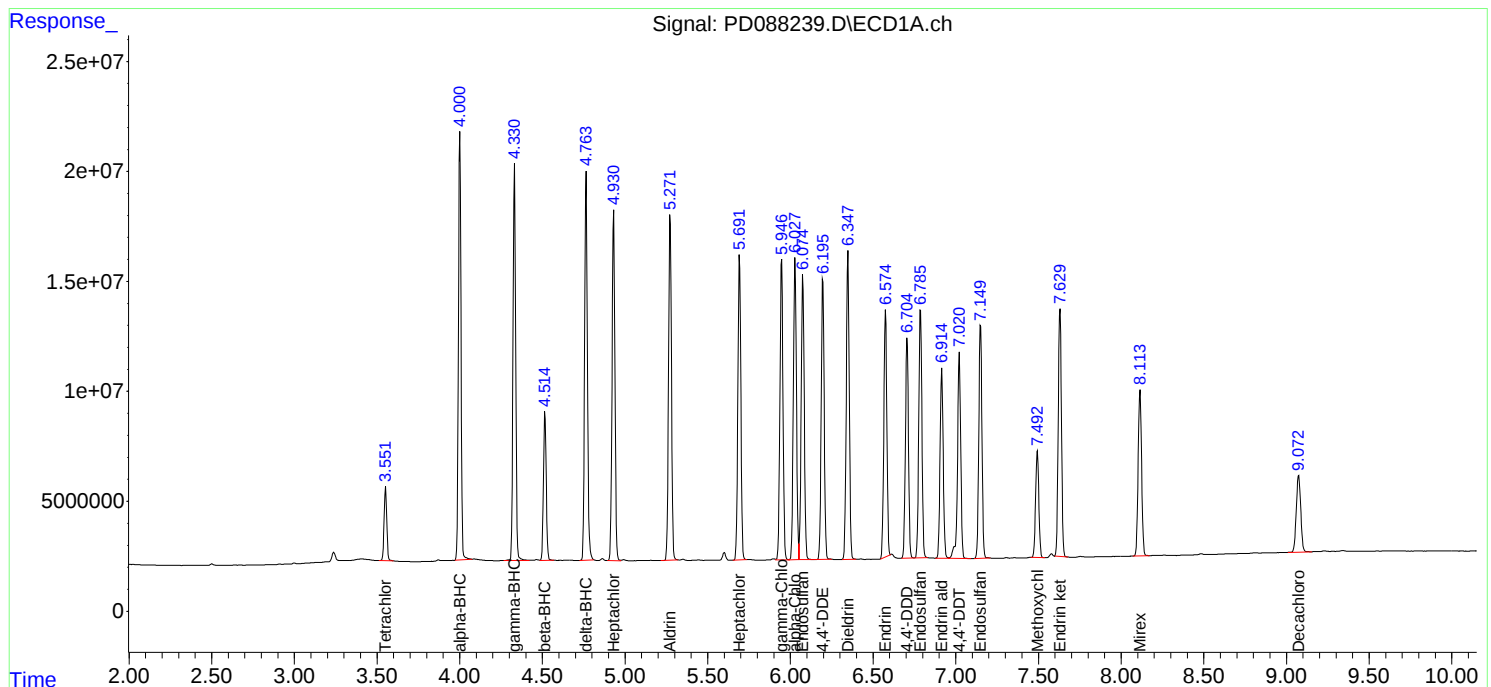
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

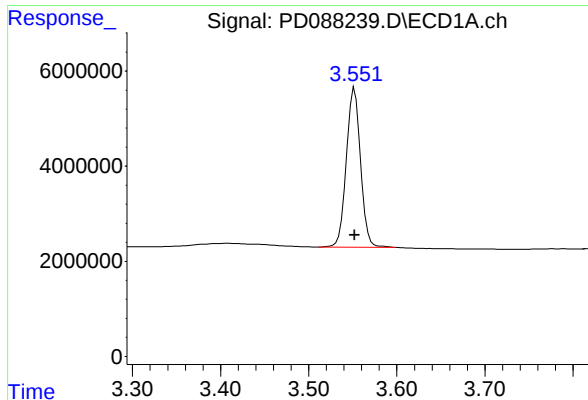
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:59
Operator : AR\AJ
Sample : PB167709BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167709BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:32:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

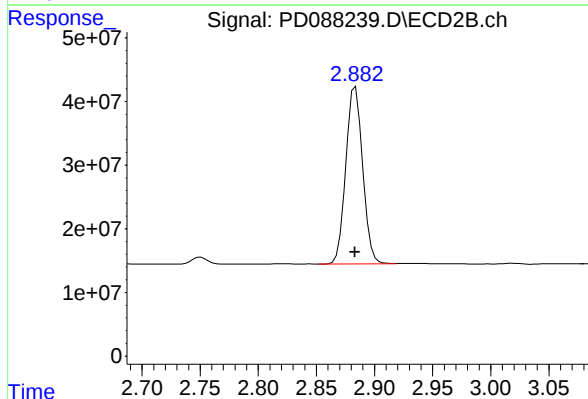




#1 Tetrachloro-m-xylene

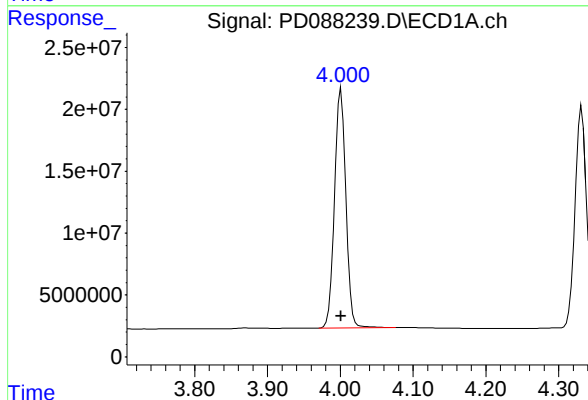
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 37490843
Conc: 18.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



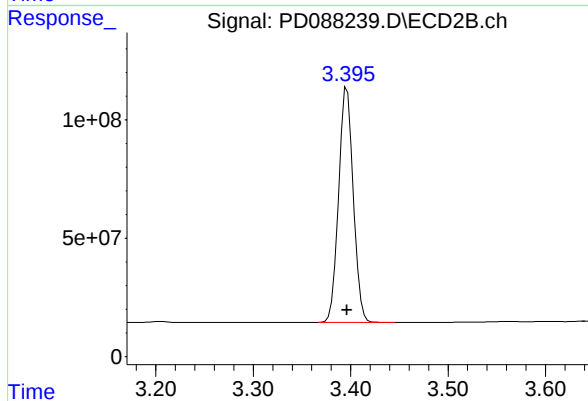
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 279795407
Conc: 19.14 ng/ml



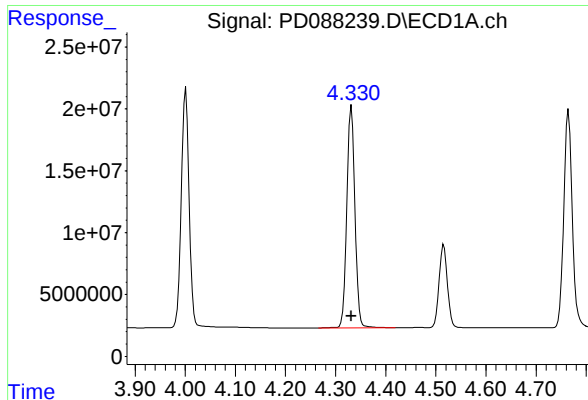
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 210076990
Conc: 48.72 ng/ml



#2 alpha-BHC

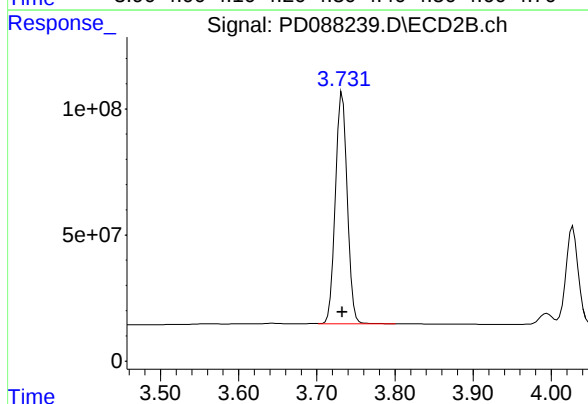
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1038085361
Conc: 45.41 ng/ml



#3 gamma-BHC (Lindane)

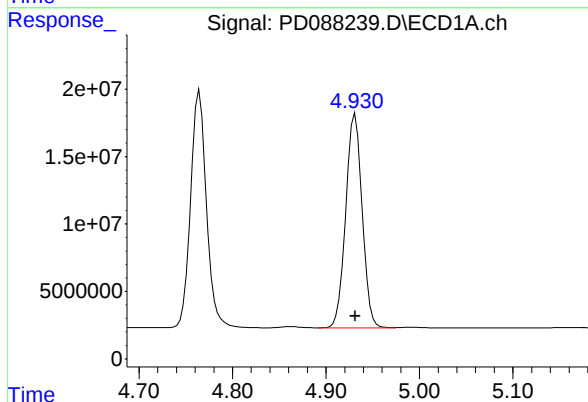
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 201896940
Conc: 48.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



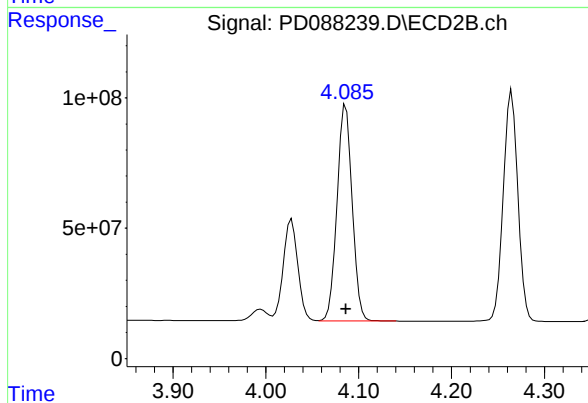
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.000 min
Response: 966124543
Conc: 44.86 ng/ml



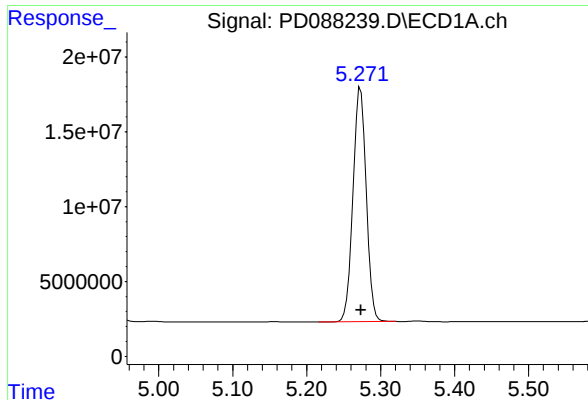
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 193600701
Conc: 47.93 ng/ml



#4 Heptachlor

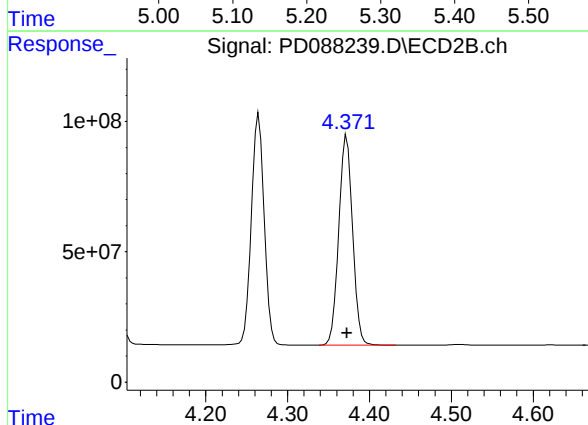
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 940091505
Conc: 43.93 ng/ml



#5 Aldrin

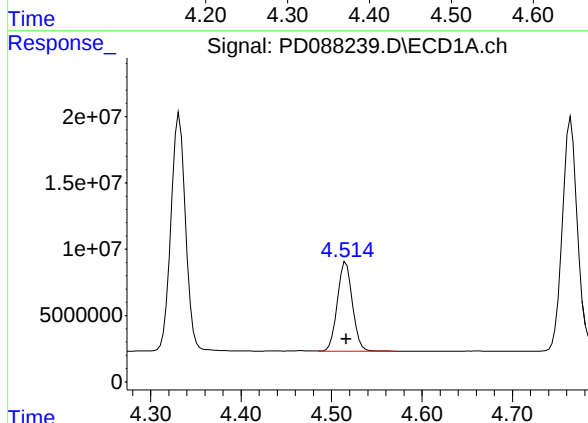
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 194319863
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



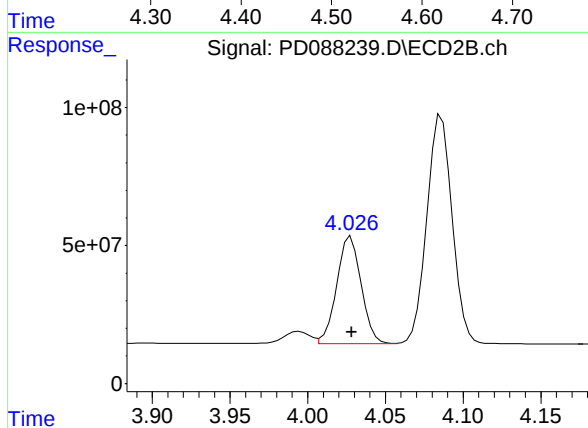
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 945974237
Conc: 45.47 ng/ml



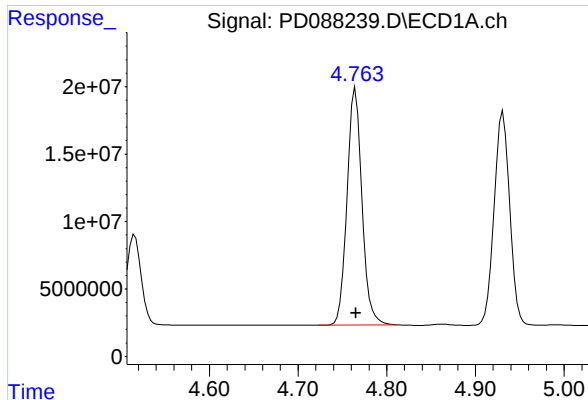
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 77677732
Conc: 47.85 ng/ml



#6 beta-BHC

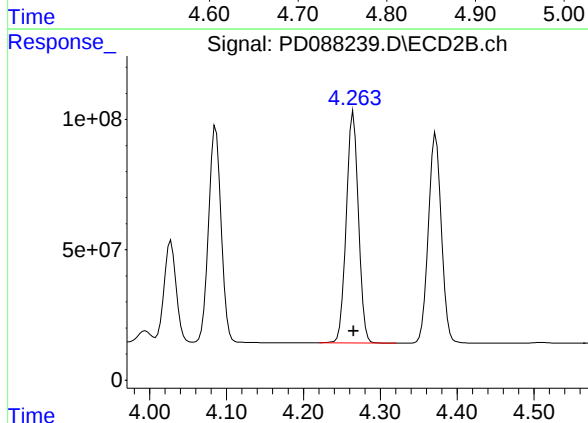
R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 425269768
Conc: 45.95 ng/ml



#7 delta-BHC

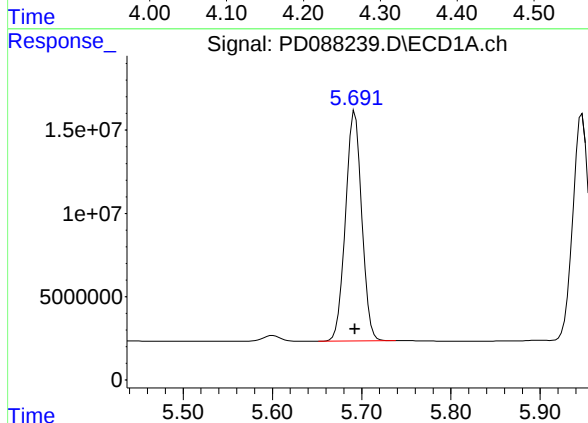
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 205928807
Conc: 49.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



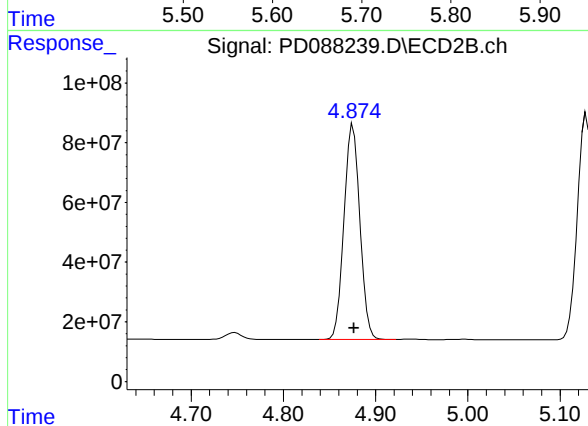
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 969030998
Conc: 45.58 ng/ml



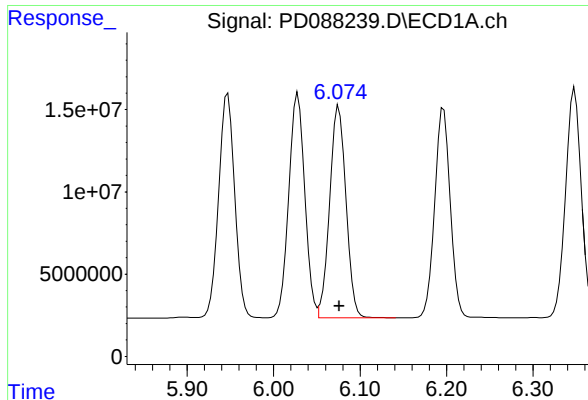
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 174772050
Conc: 48.90 ng/ml



#8 Heptachlor epoxide

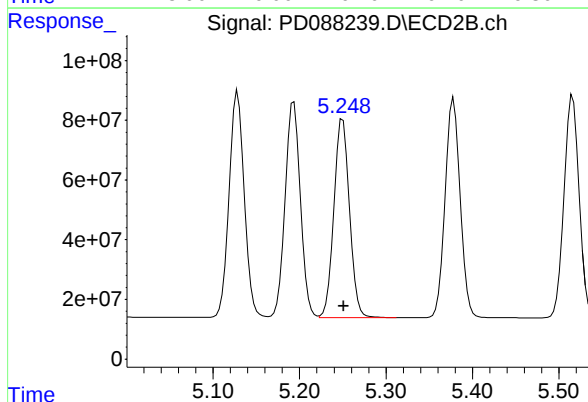
R.T.: 4.875 min
Delta R.T.: -0.001 min
Response: 861199402
Conc: 45.58 ng/ml



#9 Endosulfan I

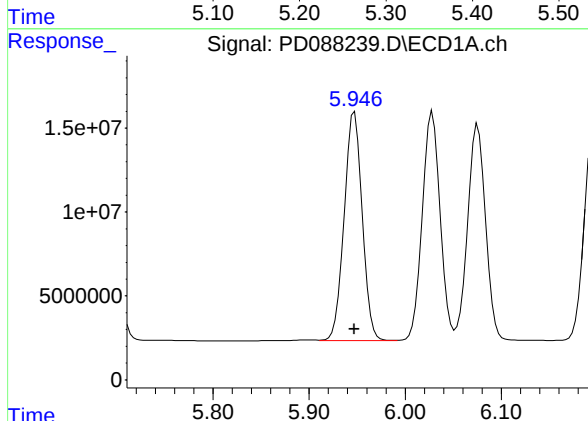
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 166556186
Conc: 49.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



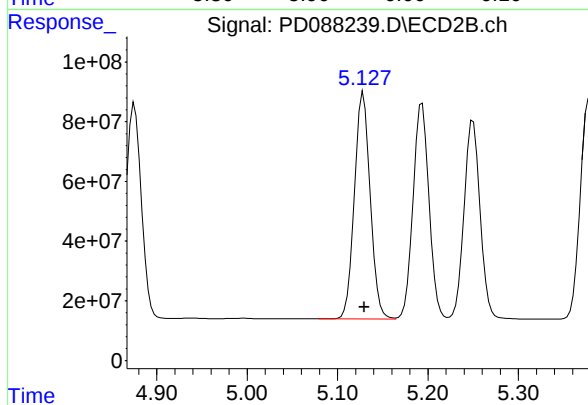
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: -0.001 min
Response: 821538135
Conc: 45.61 ng/ml



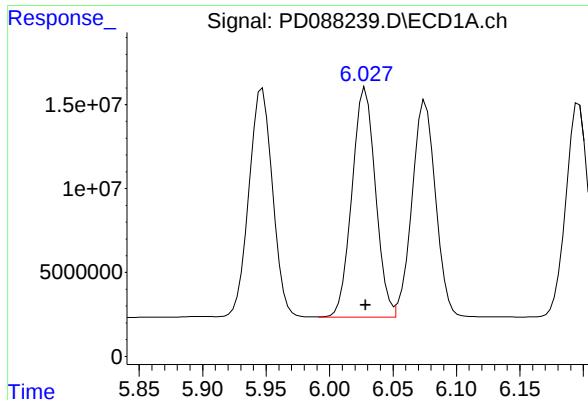
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 176712424
Conc: 48.79 ng/ml



#10 gamma-Chlordane

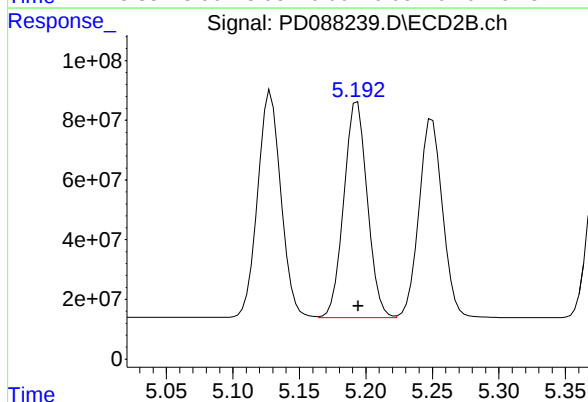
R.T.: 5.128 min
Delta R.T.: -0.001 min
Response: 923987215
Conc: 45.53 ng/ml



#11 alpha-Chlordane

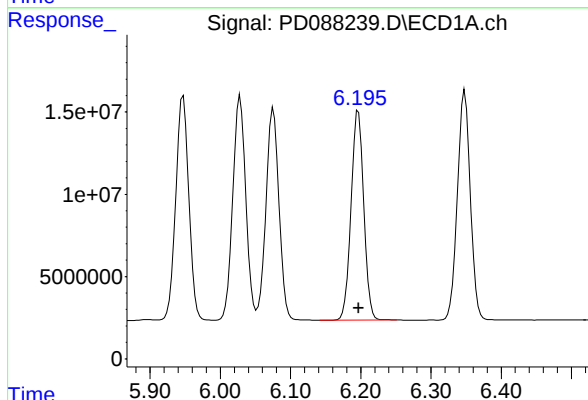
R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 176191558
Conc: 48.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



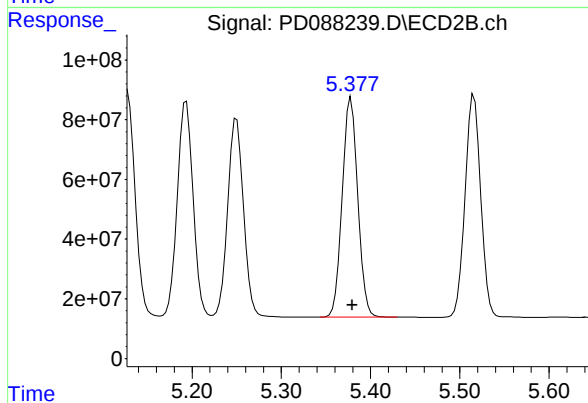
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 888352058
Conc: 45.32 ng/ml



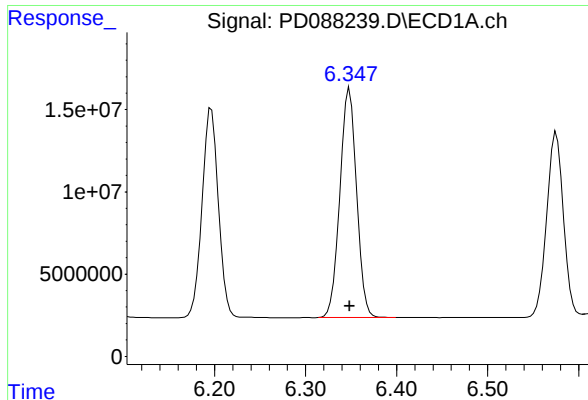
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 159507222
Conc: 48.36 ng/ml



#12 4,4'-DDE

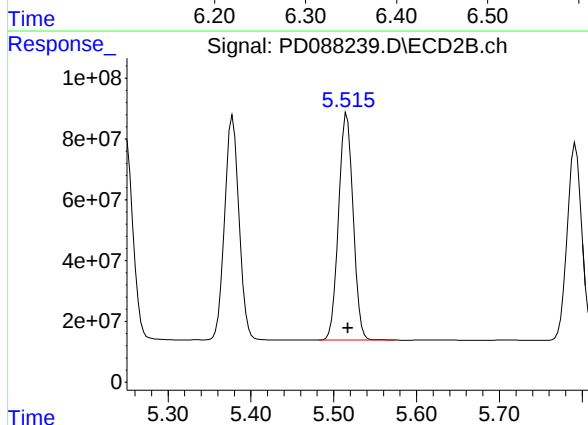
R.T.: 5.378 min
Delta R.T.: -0.001 min
Response: 890186113
Conc: 45.20 ng/ml



#13 Dieldrin

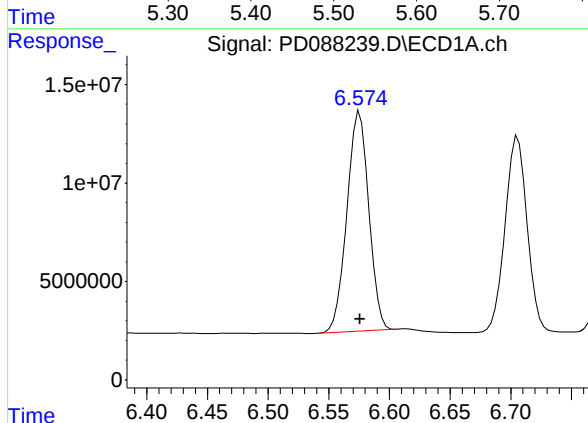
R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 177579632
Conc: 49.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



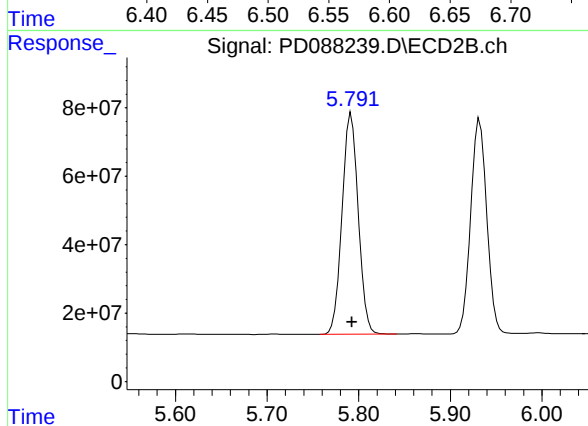
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: -0.001 min
Response: 910345091
Conc: 45.67 ng/ml



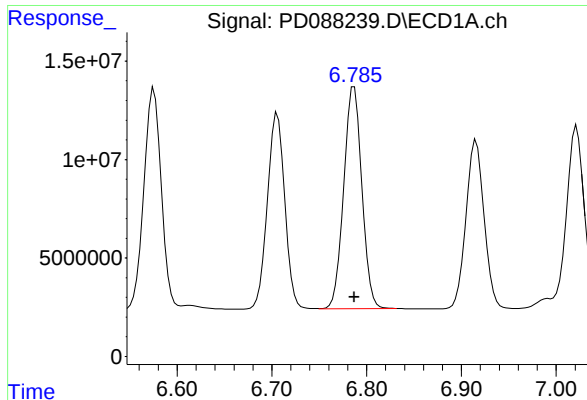
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 140222624
Conc: 47.01 ng/ml



#14 Endrin

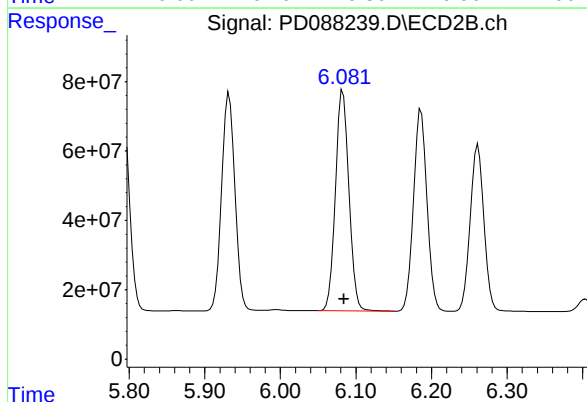
R.T.: 5.792 min
Delta R.T.: -0.001 min
Response: 796501853
Conc: 43.76 ng/ml



#15 Endosulfan II

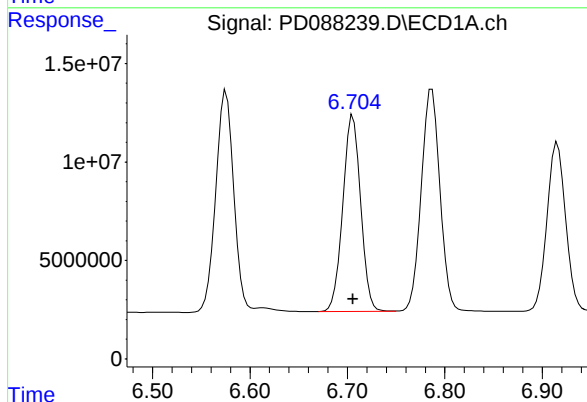
R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 149883088
Conc: 47.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



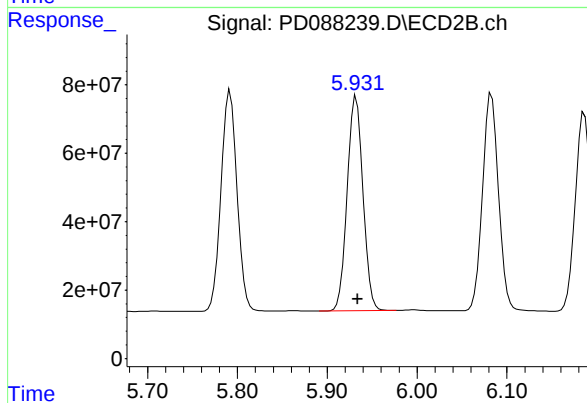
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.002 min
Response: 790464891
Conc: 45.11 ng/ml



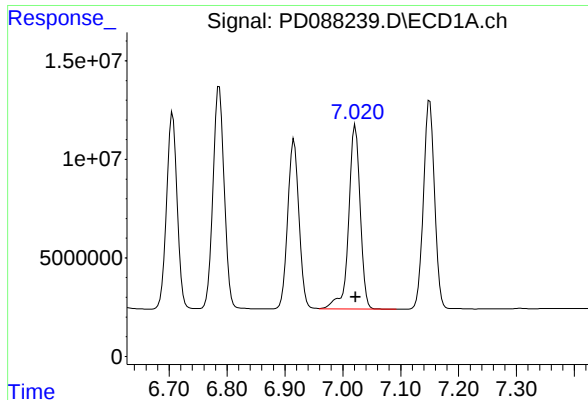
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 126400237
Conc: 50.26 ng/ml



#16 4,4'-DDD

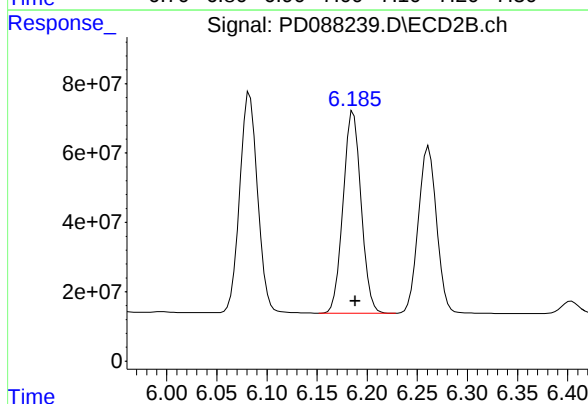
R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 764114256
Conc: 46.63 ng/ml



#17 4,4'-DDT

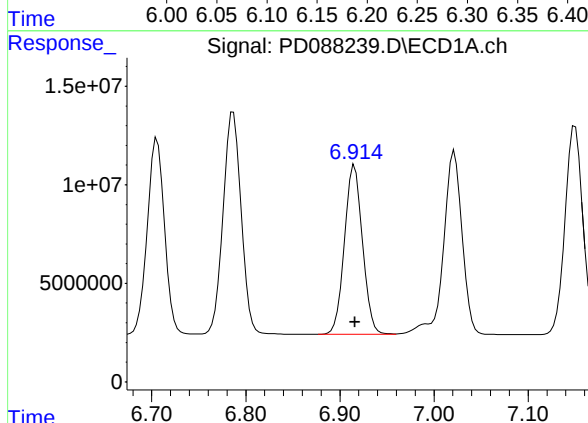
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 127627642
Conc: 45.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



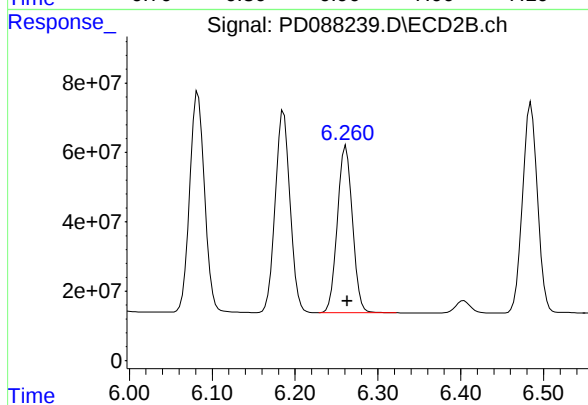
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 726314247
Conc: 42.68 ng/ml



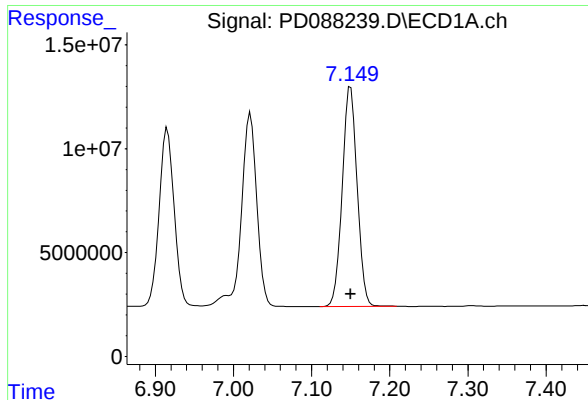
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 114332983
Conc: 49.54 ng/ml



#18 Endrin aldehyde

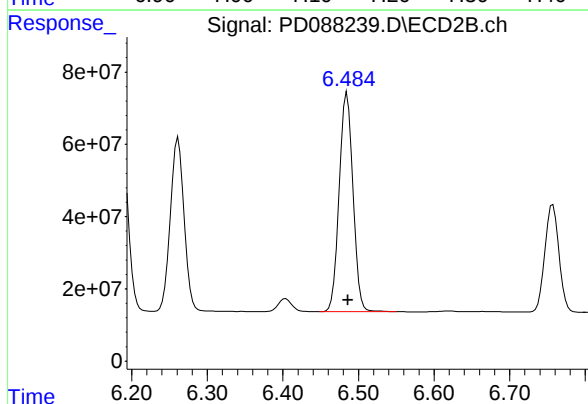
R.T.: 6.261 min
Delta R.T.: -0.001 min
Response: 608937831
Conc: 45.78 ng/ml



#19 Endosulfan Sulfate

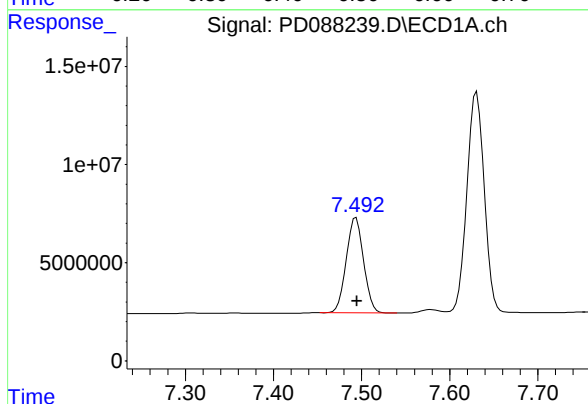
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 140510472
Conc: 48.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



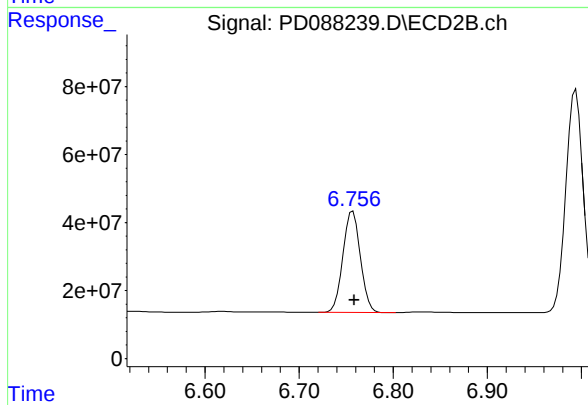
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: -0.001 min
Response: 765973646
Conc: 44.71 ng/ml



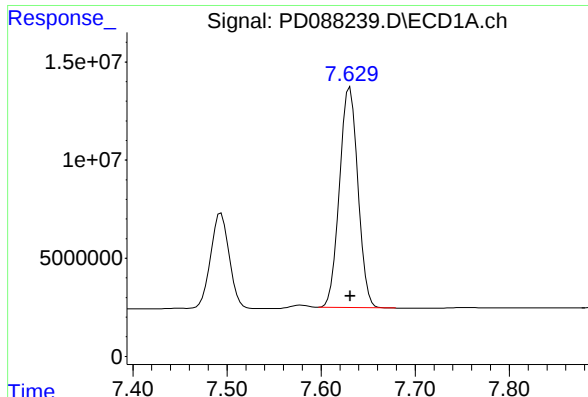
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 66343102
Conc: 44.24 ng/ml



#20 Methoxychlor

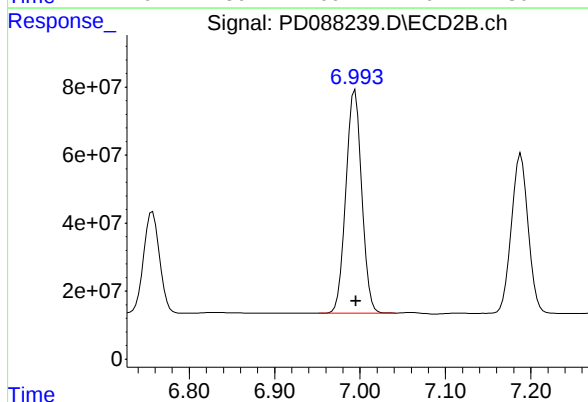
R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 383917931
Conc: 42.09 ng/ml



#21 Endrin ketone

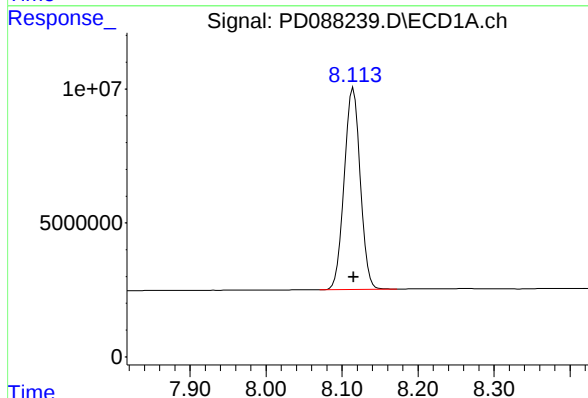
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 152821646
Conc: 49.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



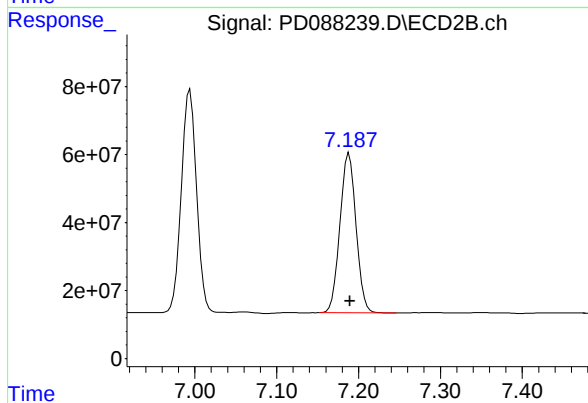
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 847862778
Conc: 45.33 ng/ml



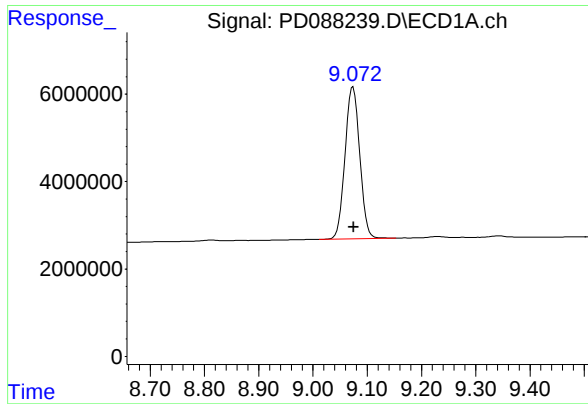
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 110472400
Conc: 47.04 ng/ml



#22 Mirex

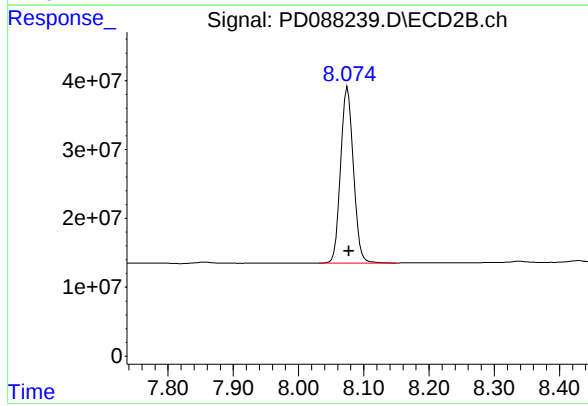
R.T.: 7.188 min
Delta R.T.: -0.001 min
Response: 642343280
Conc: 43.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 65458869
Conc: 19.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167709BS



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 348091005
Conc: 18.84 ng/ml

Manual Integration Report

Sequence:

PD041825

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088122.D	4,4"-DDD #2	Abdul	4/19/2025 2:06:43 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC100	PD088124.D	Heptachlor epoxide #2	Abdul	4/19/2025 2:06:47 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC005	PD088128.D	delta-BHC	Abdul	4/19/2025 2:20:23 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	4,4"-DDD	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	Endrin aldehyde	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PD042325	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088232.D	4,4"-DDE	Abdul	4/24/2025 8:41:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software
PEM	PD088232.D	4,4"-DDE #2	Abdul	4/24/2025 8:41:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software
PSTDCCC050	PD088257.D	4,4"-DDE	Abdul	4/24/2025 8:42:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software
PSTDCCC050	PD088257.D	4,4"-DDE #2	Abdul	4/24/2025 8:42:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software
PSTDCCC050	PD088257.D	Endrin ketone	Abdul	4/24/2025 8:42:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software
PSTDCCC050	PD088257.D	gamma-Chlordane	Abdul	4/24/2025 8:42:24 AM	mohammad	4/26/2025 2:18:37	Peak Integrated by Software

Manual Integration Report

Sequence:

pd042825

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088289.D	4,4"-DDD	Abdul	4/29/2025 8:09:03 AM	 	 	Peak Integrated by Software
PEM	PD088289.D	4,4"-DDD #2	Abdul	4/29/2025 8:09:03 AM	 	 	Peak Integrated by Software
PEM	PD088289.D	4,4"-DDE	Abdul	4/29/2025 8:09:03 AM	 	 	Peak Integrated by Software
PEM	PD088289.D	4,4"-DDE #2	Abdul	4/29/2025 8:09:03 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	4,4"-DDE #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	4,4"-DDT	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	4,4"-DDT #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	Aldrin #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	Decachlorobiphenyl	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	Dieldrin #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	Endosulfan II #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	Endrin aldehyde #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MS	PD088293.D	gamma-Chlordane #2	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	pd042825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1858-02MS	PD088293.D	Mirex	Abdul	4/29/2025 8:09:15 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	4,4"-DDT #2	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Decachlorobiphenyl	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Dieldrin #2	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Endosulfan II #2	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Endrin aldehyde #2	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Methoxychlor	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1858-02MSD	PD088294.D	Mirex	Abdul	4/29/2025 8:09:20 AM	 	 	Peak Integrated by Software
Q1859-01	PD088296.D	Dieldrin #2	Abdul	4/29/2025 8:09:27 AM	 	 	Peak Integrated by Software
Q1859-01	PD088296.D	Tetrachloro-m-xylene	Abdul	4/29/2025 8:09:27 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD088303.D	gamma-Chlordane	Abdul	4/29/2025 8:09:36 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD088314.D	gamma-Chlordane	Abdul	4/29/2025 8:10:08 AM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pd042825

Instrument

ECD_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 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	PD088120.D	18 Apr 2025 13:02	AR\AJ	Ok
2	I.BLK	PD088121.D	18 Apr 2025 13:15	AR\AJ	Ok
3	PEM	PD088122.D	18 Apr 2025 13:29	AR\AJ	Ok,M
4	RESCHK	PD088123.D	18 Apr 2025 13:43	AR\AJ	Ok
5	PSTDICC100	PD088124.D	18 Apr 2025 13:56	AR\AJ	Ok,M
6	PSTDICC075	PD088125.D	18 Apr 2025 14:10	AR\AJ	Ok
7	PSTDICC050	PD088126.D	18 Apr 2025 14:24	AR\AJ	Ok
8	PSTDICC025	PD088127.D	18 Apr 2025 14:37	AR\AJ	Ok
9	PSTDICC005	PD088128.D	18 Apr 2025 14:51	AR\AJ	Ok,M
10	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05	AR\AJ	Ok
11	PCHLORICC750	PD088130.D	18 Apr 2025 15:18	AR\AJ	Ok
12	PCHLORICC500	PD088131.D	18 Apr 2025 15:32	AR\AJ	Ok
13	PCHLORICC250	PD088132.D	18 Apr 2025 15:46	AR\AJ	Ok
14	PCHLORICC050	PD088133.D	18 Apr 2025 15:59	AR\AJ	Ok,M
15	PTOXICC1000	PD088134.D	18 Apr 2025 16:13	AR\AJ	Ok,M
16	PTOXICC750	PD088135.D	18 Apr 2025 16:27	AR\AJ	Ok
17	PTOXICC500	PD088136.D	18 Apr 2025 16:40	AR\AJ	Ok
18	PTOXICC250	PD088137.D	18 Apr 2025 16:54	AR\AJ	Ok,M
19	PTOXICC100	PD088138.D	18 Apr 2025 17:08	AR\AJ	Ok,M
20	PSTDICV050	PD088139.D	18 Apr 2025 17:21	AR\AJ	Ok
21	PCHLORICV500	PD088140.D	18 Apr 2025 17:35	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 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	PD088141.D	18 Apr 2025 17:49	AR\AJ	Ok
23	I.BLK	PD088142.D	18 Apr 2025 18:02	AR\AJ	Ok
24	PEM	PD088143.D	18 Apr 2025 18:16	AR\AJ	Ok,M
25	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042325

Review By	Abdul	Review On	4/24/2025 8:45:42 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:37 AM
SubDirectory	PD042325	HP Acquire Method	HP Processing Method pd041825 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	PD088230.D	23 Apr 2025 08:31	AR\AJ	Ok
2	I.BLK	PD088231.D	23 Apr 2025 08:45	AR\AJ	Ok
3	PEM	PD088232.D	23 Apr 2025 08:59	AR\AJ	Ok,M
4	PSTDCCC050	PD088233.D	23 Apr 2025 09:55	AR\AJ	Ok
5	Q1841-02DL	PD088234.D	23 Apr 2025 10:10	AR\AJ	Ok,M
6	Q1832-06	PD088235.D	23 Apr 2025 10:24	AR\AJ	Ok,M
7	Q1832-06MS	PD088236.D	23 Apr 2025 12:11	AR\AJ	Ok,M
8	Q1832-06MSD	PD088237.D	23 Apr 2025 12:32	AR\AJ	Ok
9	PB167709BL	PD088238.D	23 Apr 2025 12:45	AR\AJ	Ok
10	PB167709BS	PD088239.D	23 Apr 2025 12:59	AR\AJ	Ok
11	Q1853-01	PD088240.D	23 Apr 2025 13:15	AR\AJ	Ok,M
12	Q1854-01	PD088241.D	23 Apr 2025 13:29	AR\AJ	Ok,M
13	Q1852-01	PD088242.D	23 Apr 2025 13:57	AR\AJ	Ok
14	Q1852-03	PD088243.D	23 Apr 2025 14:10	AR\AJ	Ok
15	Q1852-05	PD088244.D	23 Apr 2025 14:24	AR\AJ	Ok,M
16	Q1852-07	PD088245.D	23 Apr 2025 14:38	AR\AJ	Ok
17	I.BLK	PD088246.D	23 Apr 2025 14:51	AR\AJ	Ok
18	PSTDCCC050	PD088247.D	23 Apr 2025 15:05	AR\AJ	Ok
19	Q1858-01	PD088248.D	23 Apr 2025 15:19	AR\AJ	Not Ok
20	Q1858-02	PD088249.D	23 Apr 2025 15:32	AR\AJ	Not Ok
21	Q1858-02MS	PD088250.D	23 Apr 2025 15:46	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042325

Review By	Abdul	Review On	4/24/2025 8:45:42 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:37 AM
SubDirectory	PD042325	HP Acquire Method	HP Processing Method pd041825 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	Q1858-02MSD	PD088251.D	23 Apr 2025 16:00	AR\AJ	Not Ok
23	Q1858-03	PD088252.D	23 Apr 2025 16:13	AR\AJ	Not Ok
24	Q1859-01	PD088253.D	23 Apr 2025 16:27	AR\AJ	Not Ok
25	Q1859-02	PD088254.D	23 Apr 2025 16:41	AR\AJ	Not Ok
26	Q1859-03	PD088255.D	23 Apr 2025 16:54	AR\AJ	Not Ok
27	I.BLK	PD088256.D	23 Apr 2025 21:44	AR\AJ	Ok
28	PSTDCCC050	PD088257.D	23 Apr 2025 21:58	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042825

Review By	Abdul	Review On	4/29/2025 8:12:59 AM
Supervise By		Supervise On	
SubDirectory	PD042825	HP Acquire Method	HP Processing Method pd041825 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	PD088287.D	28 Apr 2025 08:55	AR\AJ	Ok
2	I.BLK	PD088288.D	28 Apr 2025 09:09	AR\AJ	Ok
3	PEM	PD088289.D	28 Apr 2025 09:23	AR\AJ	Ok,NS
4	PSTDCCC050	PD088290.D	28 Apr 2025 09:46	AR\AJ	Ok
5	Q1858-01	PD088291.D	28 Apr 2025 10:05	AR\AJ	Ok,NS
6	Q1858-02	PD088292.D	28 Apr 2025 10:18	AR\AJ	Ok,NS
7	Q1858-02MS	PD088293.D	28 Apr 2025 10:32	AR\AJ	Ok,NS
8	Q1858-02MSD	PD088294.D	28 Apr 2025 10:45	AR\AJ	Ok,NS
9	Q1858-03	PD088295.D	28 Apr 2025 10:59	AR\AJ	Ok,NS
10	Q1859-01	PD088296.D	28 Apr 2025 11:13	AR\AJ	Ok,NS
11	Q1859-02	PD088297.D	28 Apr 2025 11:26	AR\AJ	Ok
12	Q1859-03	PD088298.D	28 Apr 2025 11:40	AR\AJ	Ok
13	Q1878-01	PD088299.D	28 Apr 2025 11:53	AR\AJ	Ok,NS
14	PB167742BL	PD088300.D	28 Apr 2025 12:07	AR\AJ	Ok
15	PB167742BS	PD088301.D	28 Apr 2025 12:21	AR\AJ	Ok,NS
16	I.BLK	PD088302.D	28 Apr 2025 12:34	AR\AJ	Ok
17	PSTDCCC050	PD088303.D	28 Apr 2025 15:10	AR\AJ	Ok,NS
18	Q1874-01	PD088304.D	28 Apr 2025 15:27	AR\AJ	Ok
19	Q1874-01MS	PD088305.D	28 Apr 2025 15:41	AR\AJ	Ok
20	Q1874-01MSD	PD088306.D	28 Apr 2025 15:55	AR\AJ	Ok
21	Q1874-03	PD088307.D	28 Apr 2025 16:08	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042825

Review By	Abdul	Review On	4/29/2025 8:12:59 AM
Supervise By		Supervise On	
SubDirectory	PD042825	HP Acquire Method	HP Processing Method pd041825 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	Q1874-05	PD088308.D	28 Apr 2025 16:22	AR\AJ	Ok,NS
23	Q1875-01	PD088309.D	28 Apr 2025 16:36	AR\AJ	Ok,NS
24	Q1877-01	PD088310.D	28 Apr 2025 16:49	AR\AJ	Ok,NS
25	PB167742BS	PD088311.D	28 Apr 2025 17:03	AR\AJ	Not Ok
26	Q1871-01	PD088312.D	28 Apr 2025 17:17	AR\AJ	Ok,NS
27	I.BLK	PD088313.D	28 Apr 2025 17:30	AR\AJ	Ok
28	PSTDCCC050	PD088314.D	28 Apr 2025 17:44	AR\AJ	Ok,NS
29	Q1871-05	PD088315.D	28 Apr 2025 18:00	AR\AJ	Ok,NS
30	Q1869-01	PD088316.D	28 Apr 2025 18:14	AR\AJ	Ok,NS
31	I.BLK	PD088317.D	28 Apr 2025 18:27	AR\AJ	Ok
32	PSTDCCC050	PD088318.D	28 Apr 2025 18:41	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088120.D	18 Apr 2025 13:02		AR\AJ	Ok
2	I.BLK	I.BLK	PD088121.D	18 Apr 2025 13:15		AR\AJ	Ok
3	PEM	PEM	PD088122.D	18 Apr 2025 13:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088123.D	18 Apr 2025 13:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088124.D	18 Apr 2025 13:56		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD088125.D	18 Apr 2025 14:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088126.D	18 Apr 2025 14:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088127.D	18 Apr 2025 14:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088128.D	18 Apr 2025 14:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088130.D	18 Apr 2025 15:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088131.D	18 Apr 2025 15:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088132.D	18 Apr 2025 15:46		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088133.D	18 Apr 2025 15:59		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD088134.D	18 Apr 2025 16:13		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PD088135.D	18 Apr 2025 16:27		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088136.D	18 Apr 2025 16:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088137.D	18 Apr 2025 16:54		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 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	PD088138.D	18 Apr 2025 17:08		AR\AJ	Ok,M
20	PSTDICV050	ICVPD041825	PD088139.D	18 Apr 2025 17:21		AR\AJ	Ok
21	PCHLORICV500	ICVPD041825CHLOR	PD088140.D	18 Apr 2025 17:35		AR\AJ	Ok
22	PTOXICV500	ICVPD041825TOX	PD088141.D	18 Apr 2025 17:49		AR\AJ	Ok
23	I.BLK	I.BLK	PD088142.D	18 Apr 2025 18:02		AR\AJ	Ok
24	PEM	PEM	PD088143.D	18 Apr 2025 18:16		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	ccc high	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042325

Review By	Abdul	Review On	4/24/2025 8:45:42 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:37 AM
SubDirectory	PD042325	HP Acquire Method	HP Processing Method pd041825 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	PD088230.D	23 Apr 2025 08:31		AR\AJ	Ok
2	I.BLK	I.BLK	PD088231.D	23 Apr 2025 08:45		AR\AJ	Ok
3	PEM	PEM	PD088232.D	23 Apr 2025 08:59		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088233.D	23 Apr 2025 09:55		AR\AJ	Ok
5	Q1841-02DL	VNJ-231DL	PD088234.D	23 Apr 2025 10:10	DCB high in both column	AR\AJ	Ok,M
6	Q1832-06	PL-714-COMP-01	PD088235.D	23 Apr 2025 10:24		AR\AJ	Ok,M
7	Q1832-06MS	PL-714-COMP-01MS	PD088236.D	23 Apr 2025 12:11		AR\AJ	Ok,M
8	Q1832-06MSD	PL-714-COMP-01MSD	PD088237.D	23 Apr 2025 12:32	Almost all compound RPD Fail please confirm	AR\AJ	Ok
9	PB167709BL	PB167709BL	PD088238.D	23 Apr 2025 12:45		AR\AJ	Ok
10	PB167709BS	PB167709BS	PD088239.D	23 Apr 2025 12:59		AR\AJ	Ok
11	Q1853-01	EO-02-04222025	PD088240.D	23 Apr 2025 13:15		AR\AJ	Ok,M
12	Q1854-01	NB-08-04222025	PD088241.D	23 Apr 2025 13:29		AR\AJ	Ok,M
13	Q1852-01	ETGI-354	PD088242.D	23 Apr 2025 13:57		AR\AJ	Ok
14	Q1852-03	72-11977	PD088243.D	23 Apr 2025 14:10		AR\AJ	Ok
15	Q1852-05	ETGI-278	PD088244.D	23 Apr 2025 14:24		AR\AJ	Ok,M
16	Q1852-07	72-12013	PD088245.D	23 Apr 2025 14:38		AR\AJ	Ok
17	I.BLK	I.BLK	PD088246.D	23 Apr 2025 14:51		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042325

Review By	Abdul	Review On	4/24/2025 8:45:42 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:37 AM
SubDirectory	PD042325	HP Acquire Method	HP Processing Method pd041825 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	PSTDCCC050	PSTDCCC050	PD088247.D	23 Apr 2025 15:05		AR\AJ	Ok
19	Q1858-01	COMP-1	PD088248.D	23 Apr 2025 15:19	Out of tune PEM tune time	AR\AJ	Not Ok
20	Q1858-02	COMP-2	PD088249.D	23 Apr 2025 15:32	Out of tune PEM tune time	AR\AJ	Not Ok
21	Q1858-02MS	COMP-2MS	PD088250.D	23 Apr 2025 15:46	Out of tune PEM tune time	AR\AJ	Not Ok
22	Q1858-02MSD	COMP-2MSD	PD088251.D	23 Apr 2025 16:00	Out of tune PEM tune time	AR\AJ	Not Ok
23	Q1858-03	COMP-3	PD088252.D	23 Apr 2025 16:13	Out of tune PEM tune time	AR\AJ	Not Ok
24	Q1859-01	COMP-1	PD088253.D	23 Apr 2025 16:27	Out of tune PEM tune time	AR\AJ	Not Ok
25	Q1859-02	COMP-2	PD088254.D	23 Apr 2025 16:41	Out of tune PEM tune time	AR\AJ	Not Ok
26	Q1859-03	COMP-3	PD088255.D	23 Apr 2025 16:54	Out of tune PEM tune time	AR\AJ	Not Ok
27	I.BLK	I.BLK	PD088256.D	23 Apr 2025 21:44		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PD088257.D	23 Apr 2025 21:58		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042825

Review By	Abdul	Review On	4/29/2025 8:12:59 AM
Supervise By		Supervise On	
SubDirectory	PD042825	HP Acquire Method	HP Processing Method pd041825 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	PD088287.D	28 Apr 2025 08:55		AR\AJ	Ok
2	I.BLK	I.BLK	PD088288.D	28 Apr 2025 09:09		AR\AJ	Ok
3	PEM	PEM	PD088289.D	28 Apr 2025 09:23		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD088290.D	28 Apr 2025 09:46		AR\AJ	Ok
5	Q1858-01	COMP-1	PD088291.D	28 Apr 2025 10:05		AR\AJ	Ok,NS
6	Q1858-02	COMP-2	PD088292.D	28 Apr 2025 10:18		AR\AJ	Ok,NS
7	Q1858-02MS	COMP-2MS	PD088293.D	28 Apr 2025 10:32		AR\AJ	Ok,NS
8	Q1858-02MSD	COMP-2MSD	PD088294.D	28 Apr 2025 10:45		AR\AJ	Ok,NS
9	Q1858-03	COMP-3	PD088295.D	28 Apr 2025 10:59		AR\AJ	Ok,NS
10	Q1859-01	COMP-1	PD088296.D	28 Apr 2025 11:13		AR\AJ	Ok,NS
11	Q1859-02	COMP-2	PD088297.D	28 Apr 2025 11:26		AR\AJ	Ok
12	Q1859-03	COMP-3	PD088298.D	28 Apr 2025 11:40		AR\AJ	Ok
13	Q1878-01	TR-4-042425	PD088299.D	28 Apr 2025 11:53		AR\AJ	Ok,NS
14	PB167742BL	PB167742BL	PD088300.D	28 Apr 2025 12:07		AR\AJ	Ok
15	PB167742BS	PB167742BS	PD088301.D	28 Apr 2025 12:21		AR\AJ	Ok,NS
16	I.BLK	I.BLK	PD088302.D	28 Apr 2025 12:34		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PD088303.D	28 Apr 2025 15:10		AR\AJ	Ok,NS
18	Q1874-01	VNJ-236	PD088304.D	28 Apr 2025 15:27		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD042825

Review By	Abdul	Review On	4/29/2025 8:12:59 AM
Supervise By		Supervise On	
SubDirectory	PD042825	HP Acquire Method	HP Processing Method pd041825 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	Q1874-01MS	VNJ-236MS	PD088305.D	28 Apr 2025 15:41		AR\AJ	Ok
20	Q1874-01MSD	VNJ-236MSD	PD088306.D	28 Apr 2025 15:55		AR\AJ	Ok
21	Q1874-03	RT1491	PD088307.D	28 Apr 2025 16:08		AR\AJ	Ok
22	Q1874-05	HT3727	PD088308.D	28 Apr 2025 16:22		AR\AJ	Ok,NS
23	Q1875-01	AUD-25-0053	PD088309.D	28 Apr 2025 16:36		AR\AJ	Ok,NS
24	Q1877-01	AU-6-042425	PD088310.D	28 Apr 2025 16:49		AR\AJ	Ok,NS
25	PB167742BS	PB167742BS	PD088311.D	28 Apr 2025 17:03	Already run	AR\AJ	Not Ok
26	Q1871-01	MH-A	PD088312.D	28 Apr 2025 17:17		AR\AJ	Ok,NS
27	I.BLK	I.BLK	PD088313.D	28 Apr 2025 17:30		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PD088314.D	28 Apr 2025 17:44		AR\AJ	Ok,NS
29	Q1871-05	MH-B	PD088315.D	28 Apr 2025 18:00		AR\AJ	Ok,NS
30	Q1869-01	MH-F	PD088316.D	28 Apr 2025 18:14		AR\AJ	Ok,NS
31	I.BLK	I.BLK	PD088317.D	28 Apr 2025 18:27		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PD088318.D	28 Apr 2025 18:41		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 04/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 04/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135521

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
Q1852-01	ETGI-354	19	1.15	10.26	11.41	10.64	92.5	
Q1852-03	72-11977	20	1.17	10.20	11.37	10.58	92.3	
Q1852-05	ETGI-278	21	1.18	10.36	11.54	10.66	91.5	
Q1852-07	72-12013	22	1.18	10.33	11.51	10.39	89.2	
Q1853-01	EO-02-04222025	23	1.15	9.77	10.92	9.75	88.0	
Q1853-02	EO-02-04222025-E2	24	1.16	9.97	11.13	9.66	85.3	
Q1854-01	NB-08-04222025	25	1.19	9.87	11.06	10.14	90.7	
Q1854-02	NB-08-04222025-E2	26	1.15	9.96	11.11	9.97	88.6	
Q1855-01	2001	1	1.15	10.43	11.58	11.55	99.7	
Q1855-03	2001-2002	2	1.16	9.59	10.75	10.61	98.5	
Q1855-05	60444	3	1.00	1.00	2.00	2.00	100.0	debris
Q1856-01	41825	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1857-01	HOPPER-042225-A	5	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-02	HOPPER-042225-B	6	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-03	02-9022-1-1	7	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-04	02-9022-1-2	8	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-05	BC274271-1-1	9	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-06	BC274271-1-2	10	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-07	BC274271-2-1	11	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-08	BC274271-2-2	12	1.00	1.00	2.00	2.00	100.0	oilc
Q1858-01	COMP-1	13	1.14	9.97	11.11	9.5	83.9	
Q1858-02	COMP-2	14	1.19	10.59	11.78	9.8	81.3	
Q1858-03	COMP-3	15	1.12	9.87	10.99	10.11	91.1	
Q1859-01	COMP-1	16	1.13	10.43	11.56	9.43	79.6	
Q1859-02	COMP-2	17	1.15	10.35	11.5	9.76	83.2	
Q1859-03	COMP-3	18	1.18	10.16	11.34	9.88	85.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

205521

WorkList Name : %1-042225

WorkList ID : 189078

Department : Wet-Chemistry

Date : 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-03	72-11977	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-05	ETGI-278	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-07	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-01	EO-02-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1853-02	EO-02-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-01	NB-08-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1854-02	NB-08-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-01	2001	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-03	2001-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-05	60444	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1856-01	41825	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1857-01	HOPPER-042225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-02	HOPPER-042225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-03	02-9022-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-04	02-9022-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-05	BC274271-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-06	BC274271-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-07	BC274271-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-08	BC274271-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1858-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO

Date/Time 04/22/25 15:20

Raw Sample Received by: JPL

Raw Sample Relinquished by: JPL

Date/Time 04/22/25

Raw Sample Received by: JPL

Raw Sample Relinquished by: JPL

WORKLIST(Hardcopy Internal Chain)

135521

WorkList Name : %1-042225 WorkList ID : 189078 Department : Wet-Chemistry Date : 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1858-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1858-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO

Date/Time 04/22/25 15:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/22/25 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 04/23/2025

Matrix : Solid

Extraction Start Time : 08:35

Weigh By: EH

Extraction By: RJ

Extraction End Date : 04/23/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:35

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2601
Baked Na2SO4	N/A	EP2604
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
4/23/25	RS (Ext Lab)	Y.P. Pest/IPC
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/23/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167709BL	PBLK709	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB167709BS	PLCS709	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q1852-01	ETGI-354	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q1852-03	72-11977	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1852-05	ETGI-278	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q1852-07	72-12013	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
Q1853-01	EO-02-04222025	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1854-01	NB-08-04222025	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q1858-01	COMP-1	PESTICIDE Group1	30.04	N/A	ritesh	Evelyn	10	F		3
Q1858-02	COMP-2	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		4
Q1858-02MS	COMP-2MS	PESTICIDE Group1	30.01	N/A	ritesh	Evelyn	10	E		5
Q1858-02MS D	COMP-2MSD	PESTICIDE Group1	30.03	N/A	ritesh	Evelyn	10	E		6
Q1858-03	COMP-3	PESTICIDE Group1	30.09	N/A	ritesh	Evelyn	10	F		U3-1
Q1859-01	COMP-1	PESTICIDE Group1	30.07	N/A	ritesh	Evelyn	10	F		2
Q1859-02	COMP-2	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	F		3
Q1859-03	COMP-3	PESTICIDE Group1	30.06	N/A	ritesh	Evelyn	10	F		4

* Extracts relinquished on the same date as received.

Ry 1
4/23

16749
8:35
bottles

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1854 WorkList ID : 189093 Department : Extraction Date : 04-23-2025 08:30:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/22/2025	8081B
Q1852-03	72-11977	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/22/2025	8081B
Q1852-05	ETGI-278	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/22/2025	8081B
Q1852-07	72-12013	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/22/2025	8081B
Q1853-01	EO-02-04222025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L41	04/22/2025	8081B
Q1854-01	NB-08-04222025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	04/22/2025	8081B
Q1858-01	COMP-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8081B
Q1858-02	COMP-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8081B
Q1858-03	COMP-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8081B
Q1859-01	COMP-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8081B
Q1859-02	COMP-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8081B
Q1859-03	COMP-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8081B

Date/Time 04/23/25 8:30
Raw Sample Received by: RJ (ETI-666)
Raw Sample Relinquished by: JD (SM)

Date/Time 04/23/25 9:00
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (ETI-666)

Prep Standard - Chemical Standard Summary

Order ID : Q1859

Test : PESTICIDE Group1

Prepbatch ID : PB167709,

Sequence ID/Qc Batch ID: pd042325,pd042825,

Standard ID :

EP2601,EP2604,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,E3847,E3876,E3877,E3914,E3916,E3917,E3928,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,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	EP2604	04/16/2025	07/01/2025	RUPESEKUMA R SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
						(EX-SC-2)		04/16/2025

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>
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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u>	0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml							



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

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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
<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-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

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

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	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.	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

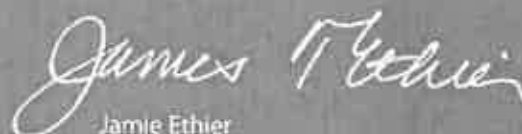
Certificate of Analysis

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



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

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:

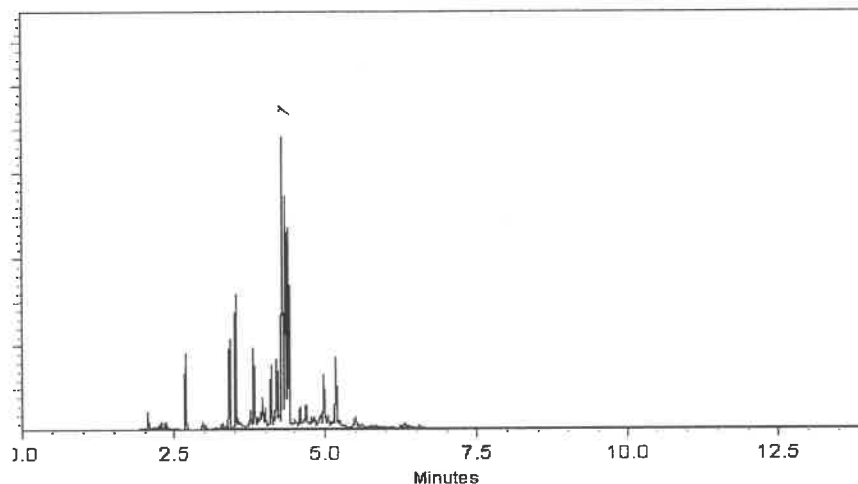
ECD

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
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 P13043
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 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

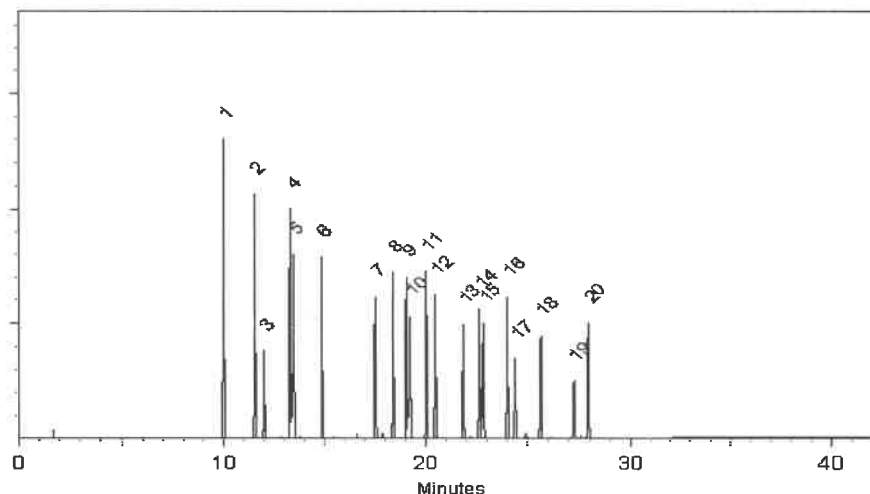
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

Expiration Date: 04/2027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

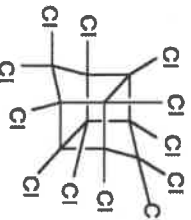
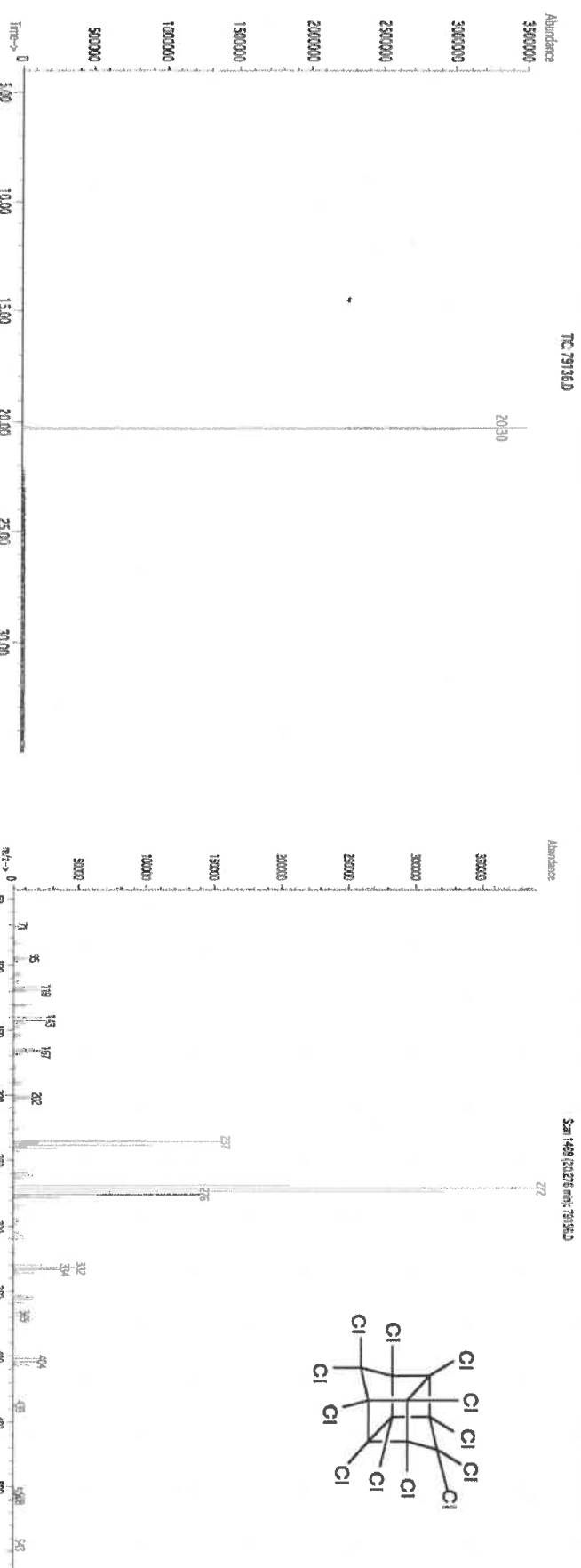
SE-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Formulated By: <i>Prashant Chauhan</i>	DATE 04/2022
Reviewed By: <i>Pedro L. Renteria</i>	DATE 04/2022

SDS Information									
Expanded					(Solvent Safety Info. On Attached pg.)				
Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Uncertainty (±) (µg/mL)	CAS#
Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3
									2385-85-5
									N/A
									or: rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



Handwritten notes:
P13195
P13199
5
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening, sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
KLM

Handwritten diagram showing a curved arrow pointing from a circled '5' to the text 'D 3/5 1/5'.



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
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P 12605
[3]
✓ Raut
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

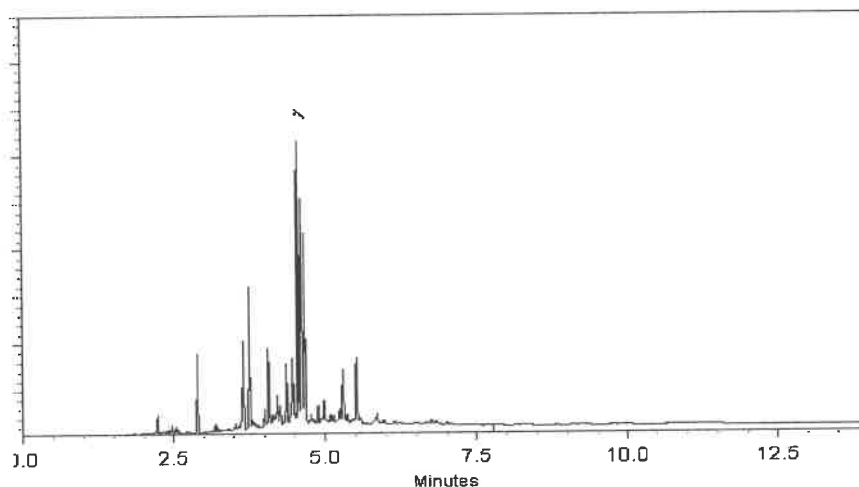
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

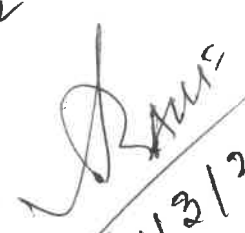
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

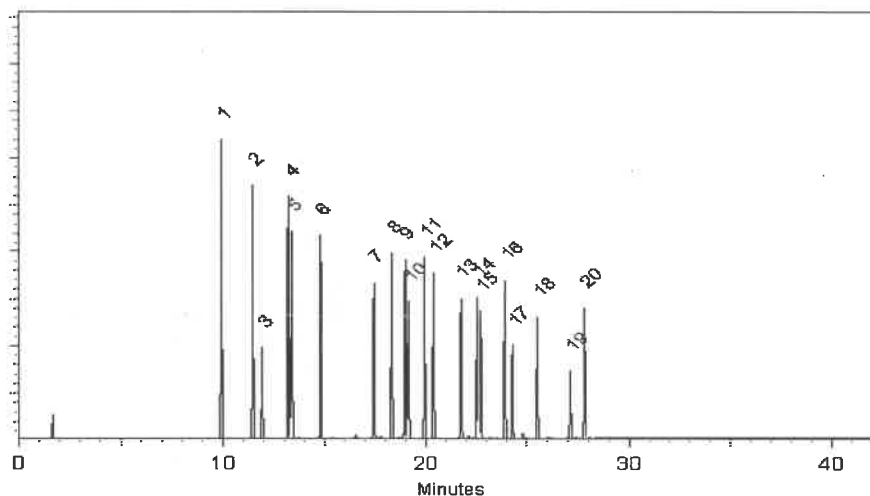
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124

CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615

Recommended Storage:

Refrigerate (4 °C)

Toluene

28508

(50%)
(50%)

Nominal Concentration (µg/mL):

Varied

NIST Test ID#:

6UTB

5E-05

Balance Uncertainty
Peak Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

SDS Information

Compound: Part Number: Lot Number: Dil. Factor: Initial Vol. (mL): Uncertainty: Initial Conc. (µg/mL): Final Conc. (µg/mL): Expanded Uncertainty: (Solvent Safety Info. On Attached pg.): CAS# OSHA PEL (TWA) LD50

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	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

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

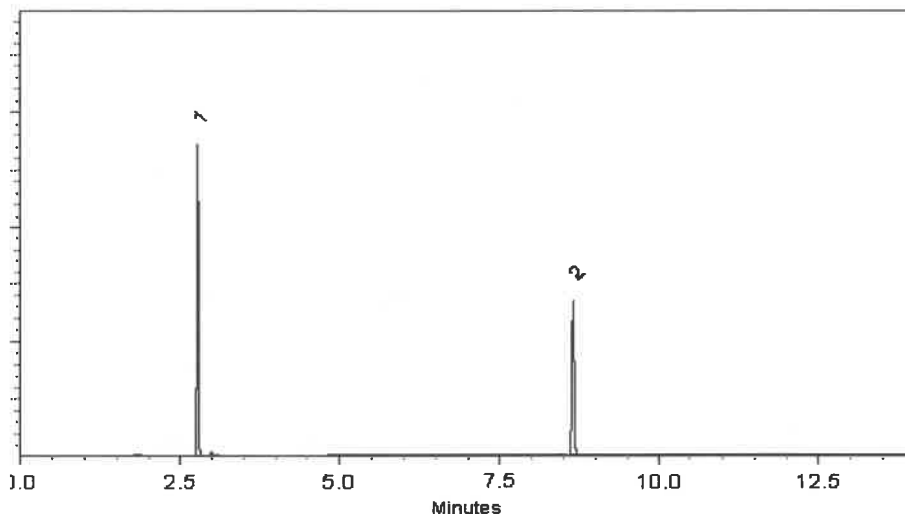
ECD

Split Vent:

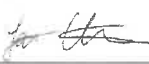
10 ml/min.

Inj. Vol

1µl

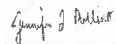


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

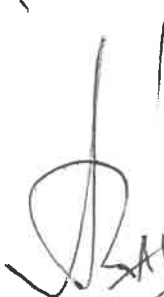
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** 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:

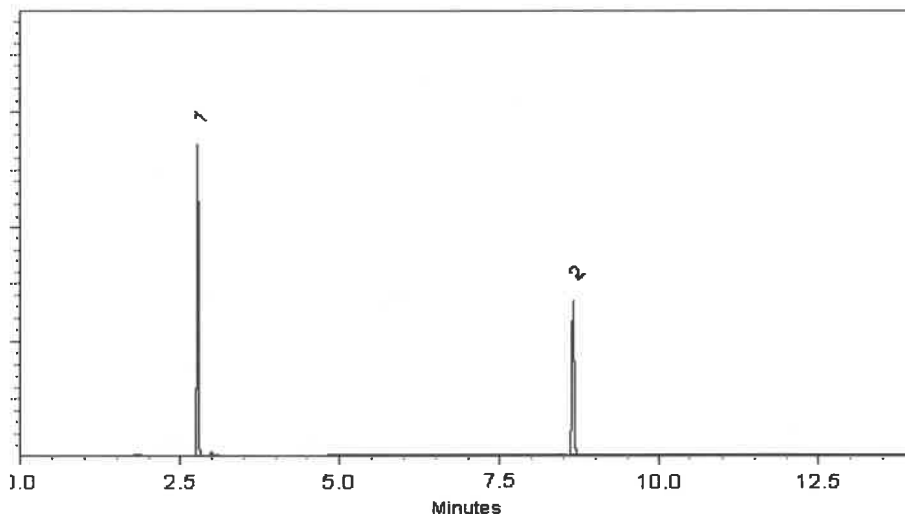
ECD

Split Vent:

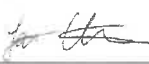
10 ml/min.

Inj. Vol

1µl

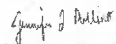


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

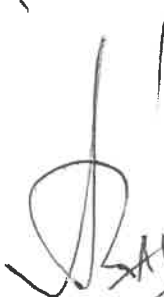
Balance Serial # 1128360905


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
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P 13357
10


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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:

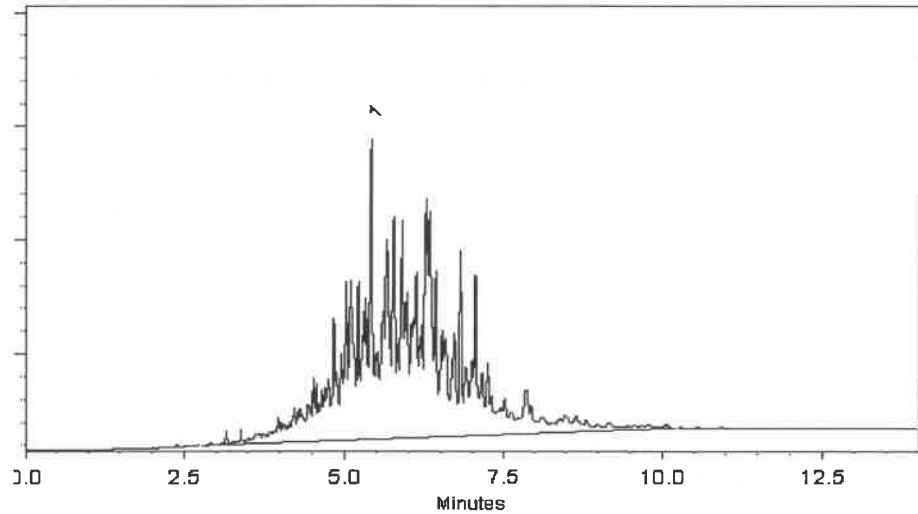
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

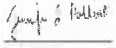


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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P13406 } (5)

5/22/2024



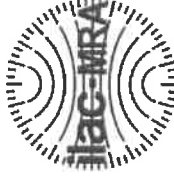
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

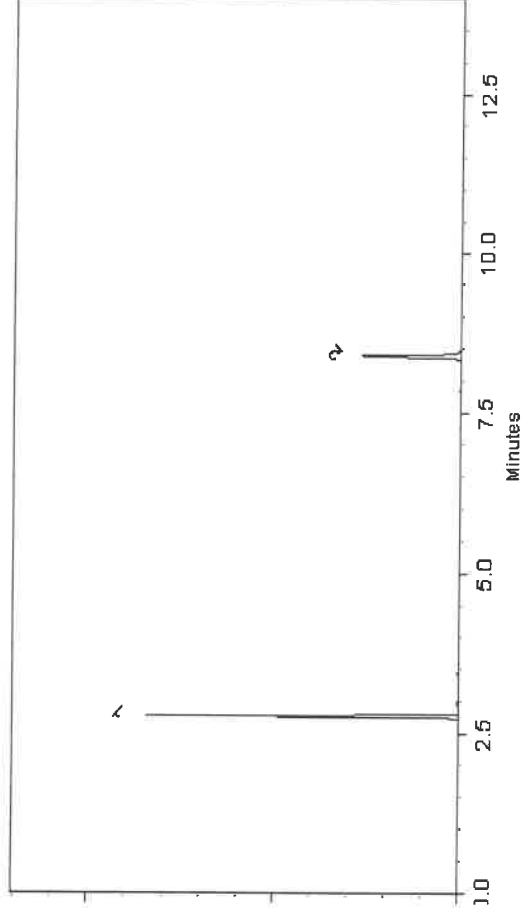
Inj. Temp:
250°C

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

J.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:

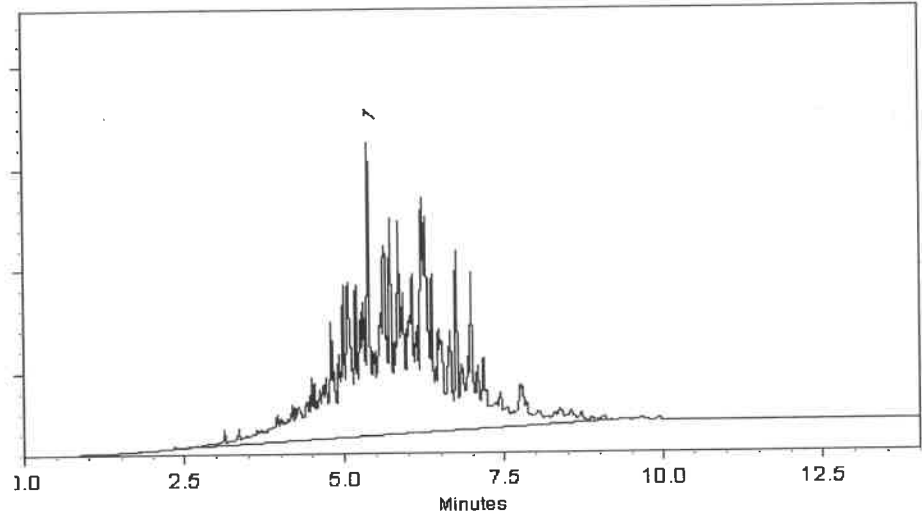
ECD

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

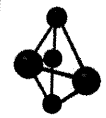

Christie Mills - Operations Lead Tech - ARM QC

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):

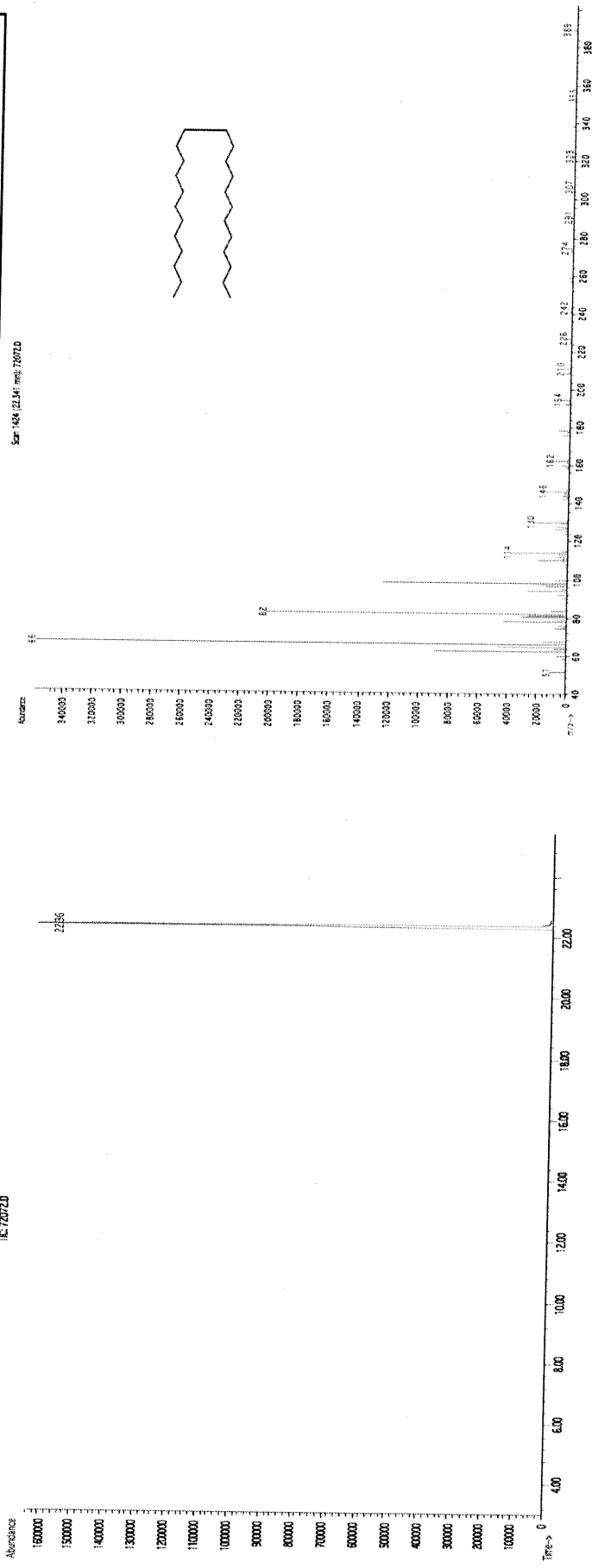
Solvent(s): **Methylene chloride**
Lot# **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

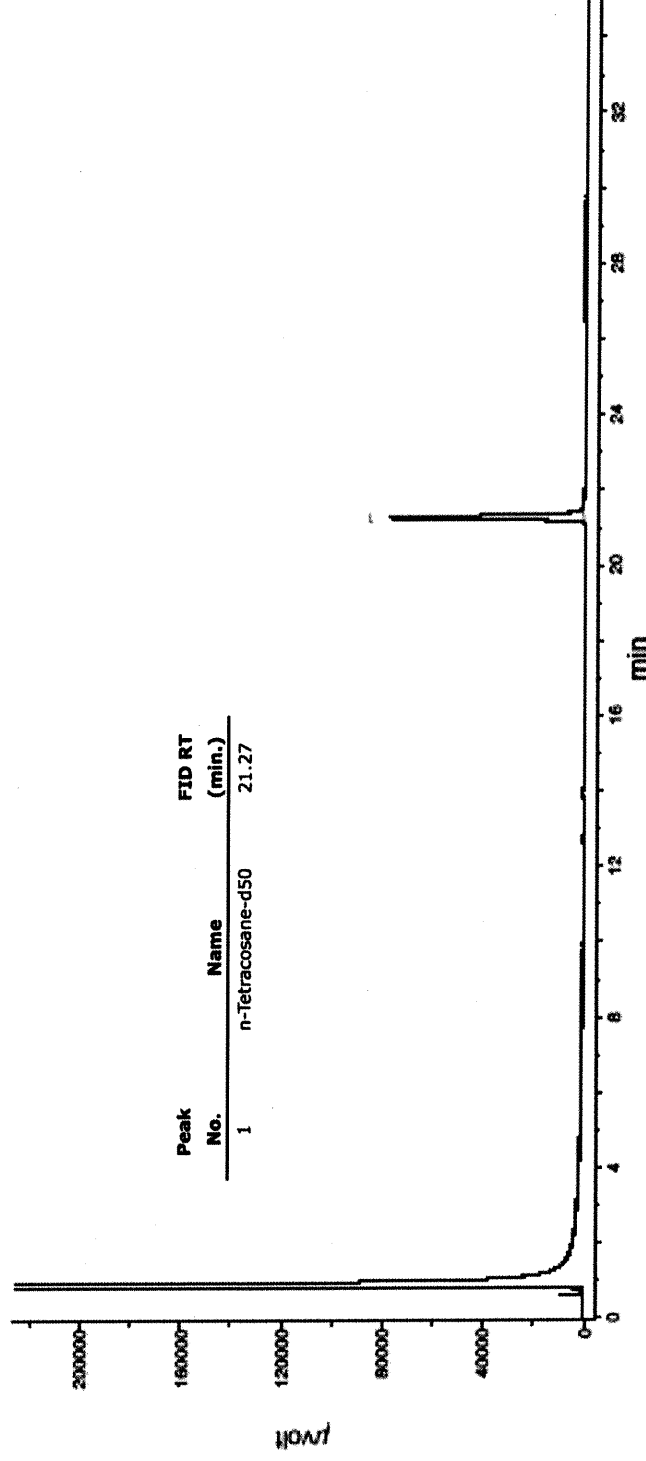
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,

Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

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: **Lincoln High School**
PROJECT NO.: 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

PADEP Clear Fill
1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	COMP-1	Soil	✓		4/18/25	8:55	4	✓									
2.	COMP-2	↓	↓		↓	9:40	↓	↓									
3.	COMP-3	↓	↓		↓	10:20	↓	↓									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 4/18/25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 4/22/25	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page 1 of 1 CLIENT: ☐ Hand Delivered ☒ Other FedEx

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 : Q1859	POWE02	Order Date : 4/22/2025 2:55:00 PM	Project Mgr :
Client Name : Kleinfelder		Project Name : Comegys School Lincoln High School	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 4/22/2025 2:50:00 PM	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
Q1859-01	COMP-1	Solid	04/18/2025	08:55					
					VOCMS Group1		8260D	5 Bus. Days	
Q1859-02	COMP-2	Solid	04/18/2025	09:40					
					VOCMS Group1		8260D	5 Bus. Days	
Q1859-03	COMP-3	Solid	04/18/2025	10:20					
					VOCMS Group1		8260D	5 Bus. Days	

Relinquished By :

Date / Time :


4/22/25 1510

Received By :

Date / Time :


4/22/25 1510

Storage Area : VOA Refridgerator Room