

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P5117

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : P5117

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number

P5117-01
P5117-02

Client Sample Number

TAPIAL3-SB04I-10-120324-00-T1
TAPIAL2-IDW-SOIL-120424-00-T2

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 :

APPROVED

By Sohil Jodhani, QA/QC Director at 10:43 am, Dec 23, 2024

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Project # N/A

Chemtech Project # P5117

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/05/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TOC and TS. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries 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 not QT review data is reported in the Miscellaneous.

F: Calculation for water sample

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

Where,

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

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

Vo = Volume of water extracted in mL

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL).

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

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup

G. Manual Integration Comments:

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

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

Signature _____

APPROVED

By Sohil Jodhani, QA/QC Director at 10:43 am, Dec 23, 2024

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5117

MATRIX: TCLP

METHOD: 8081B/3510/1311

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

QA REVIEW

APPROVED

By Sohil Jodhani, QA/QC Director at 10:43 am, Dec 23, 2024

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5117

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/12/2024

LAB CHRONICLE

OrderID:	P5117	OrderDate:	12/5/2024 10:55:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5117-02	TAPIAL2-IDW-SOIL-1 20424-00-T2	SOIL			12/05/24			12/05/24
			PCB	8082A		12/06/24	12/06/24	
			TCLP Herbicide	8151A		12/06/24	12/06/24	
			TCLP Pesticide	8081B		12/06/24	12/06/24	

Hit Summary Sheet
SW-846

SDG No.: P5117

Order ID: P5117

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

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

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: **P5117**

Client: **Weston Solutions**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD086944.D	PIBLK-PD086944.D	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	20.2	101		44	124
		Decachlorobiphenyl	2	20	22.0	110		30	135
		Tetrachloro-m-xylene	2	20	21.1	105		44	124
I.BLK-PD087056.D	PIBLK-PD087056.D	Decachlorobiphenyl	1	20	20.8	104		30	135
		Tetrachloro-m-xylene	1	20	21.9	110		44	124
		Decachlorobiphenyl	2	20	21.2	106		30	135
		Tetrachloro-m-xylene	2	20	23.0	115		44	124
PB165454BL	PB165454BL	Decachlorobiphenyl	1	20	17.1	85		30	135
		Tetrachloro-m-xylene	1	20	18.3	91		44	124
		Decachlorobiphenyl	2	20	17.1	86		30	135
		Tetrachloro-m-xylene	2	20	20.2	101		44	124
PB165454BS	PB165454BS	Decachlorobiphenyl	1	20	18.0	90		30	135
		Tetrachloro-m-xylene	1	20	18.1	91		44	124
		Decachlorobiphenyl	2	20	18.1	90		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
PB165390TB	PB165390TB	Decachlorobiphenyl	1	20	18.0	90		30	135
		Tetrachloro-m-xylene	1	20	18.3	91		44	124
		Decachlorobiphenyl	2	20	18.5	92		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	Decachlorobiphenyl	1	20	19.3	97		30	135
		Tetrachloro-m-xylene	1	20	19.3	96		44	124
		Decachlorobiphenyl	2	20	19.2	96		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
P5117-02MS	TAPIAL2-IDW-SOIL-120424-00-T2	Decachlorobiphenyl	1	20	19.4	97		30	135
		Tetrachloro-m-xylene	1	20	19.1	95		44	124
		Decachlorobiphenyl	2	20	19.3	96		30	135
		Tetrachloro-m-xylene	2	20	19.5	97		44	124
P5117-02MSD	TAPIAL2-IDW-SOIL-120424-00-T2	Decachlorobiphenyl	1	20	19.5	97		30	135
		Tetrachloro-m-xylene	1	20	19.1	96		44	124
		Decachlorobiphenyl	2	20	19.3	97		30	135
		Tetrachloro-m-xylene	2	20	19.4	97		44	124
I.BLK-PD087070.D	PIBLK-PD087070.D	Decachlorobiphenyl	1	20	20.9	104		30	135
		Tetrachloro-m-xylene	1	20	21.4	107		44	124
		Decachlorobiphenyl	2	20	21.4	107		30	135
		Tetrachloro-m-xylene	2	20	22.4	112		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PD087068.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: TAPIAL2-IDW-SOIL-120424-00-T2MS												
P5117-02MS	gamma-BHC (Lindane)	5	0	5.20	ug/L	104				59	134	
	Heptachlor	5	0	5.50	ug/L	110				54	130	
	Heptachlor epoxide	5	0	5.10	ug/L	102				61	133	
	Endrin	5	0	5.20	ug/L	104				60	138	
	Methoxychlor	5	0	4.90	ug/L	98				54	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PD087069.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: TAPIAL2-IDW-SOIL-120424-00-T2MSD												
P5117-02MSD	gamma-BHC (Lindane)	5	0	5.20	ug/L	104		0		59	134	20
	Heptachlor	5	0	5.40	ug/L	108		2		54	130	20
	Heptachlor epoxide	5	0	5.10	ug/L	102		0		61	133	20
	Endrin	5	0	5.20	ug/L	104		0		60	138	20
	Methoxychlor	5	0	4.90	ug/L	98		0		54	145	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: **8081B**

Datafile : PD087065.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165454BS	gamma-BHC (Lindane)	0.5	0.48	ug/L	96				59	134	
	Heptachlor	0.5	0.49	ug/L	98				54	130	
	Heptachlor epoxide	0.5	0.47	ug/L	94				61	133	
	Endrin	0.5	0.47	ug/L	94				60	138	
	Methoxychlor	0.5	0.45	ug/L	90				54	145	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165454BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: P5117

SAS No.: P5117 SDG NO.: P5117

Lab Sample ID: PB165454BL

Lab File ID: PD087064.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/06/2024

Date Analyzed (1): 12/06/2024

Date Analyzed (2): 12/06/2024

Time Analyzed (1): 16:34

Time Analyzed (2): 16:34

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column (1): ZB-MR2 ID: 0.32 (mm)

GC Column (2): ZB-MR1 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
PB165454BS	PB165454BS	PD087065.D	12/06/2024	12/06/2024
PB165390TB	PB165390TB	PD087066.D	12/06/2024	12/06/2024
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	PD087067.D	12/06/2024	12/06/2024
TAPIAL2-IDW-SOIL-120424-00-T2MS	P5117-02MS	PD087068.D	12/06/2024	12/06/2024
TAPIAL2-IDW-SOIL-120424-00-T2MSD	P5117-02MSD	PD087069.D	12/06/2024	12/06/2024

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/05/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2	SDG No.:	P5117
Lab Sample ID:	P5117-02	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087067.D	1	12/06/24 10:50	12/06/24 17:15	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.25	U	0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	0.25	U	0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.090	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.3		30 - 135		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		44 - 124		99%	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\PD120624\
 Data File : PD087067.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 17:15
 Operator : AR\AJ
 Sample : P5117-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TAPIAL2-IDW-SOIL-120424-00-T2

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 06 22:24:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:47:26 2024
 Response via : Initial 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...	3.557	2.884	38510283	226.3E6	19.257	19.766
28) SA Decachlor...	9.087	8.086	61420780	267.3E6	19.309	19.185

Target Compounds

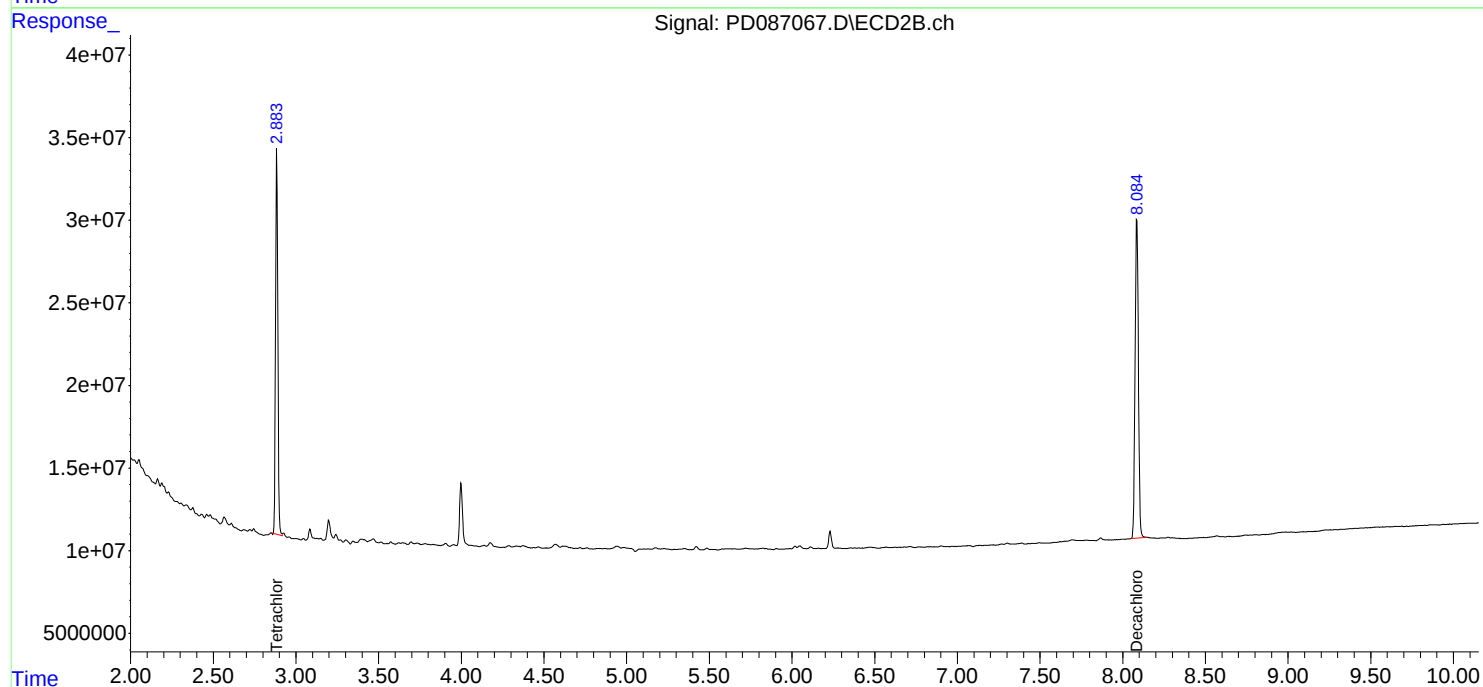
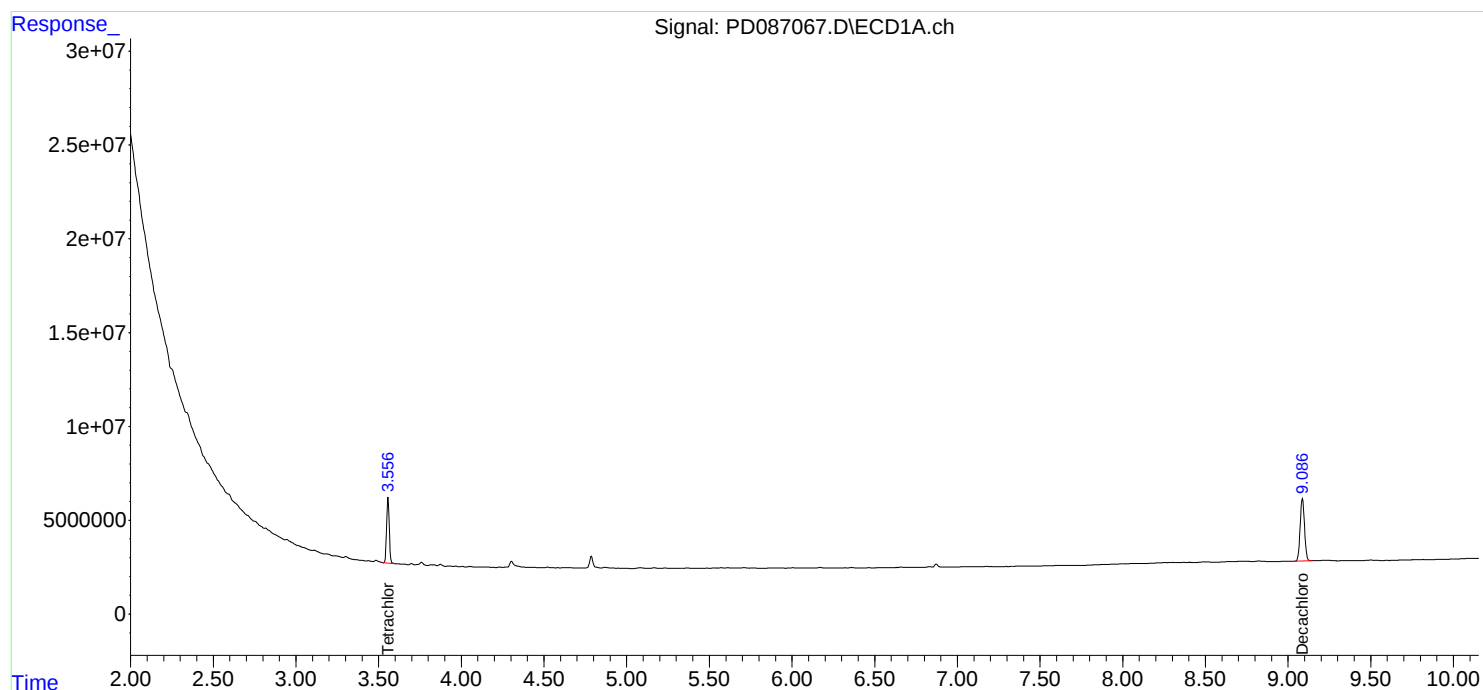
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

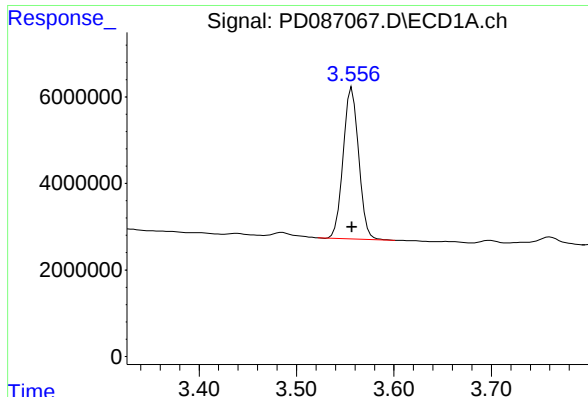
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087067.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:15
Operator : AR\AJ
Sample : P5117-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

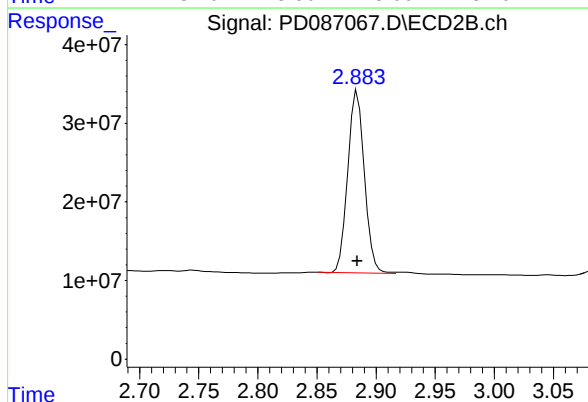




#1 Tetrachloro-m-xylene

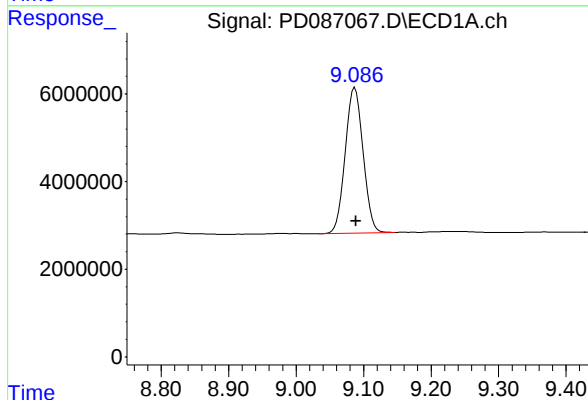
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 38510283
Conc: 19.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2



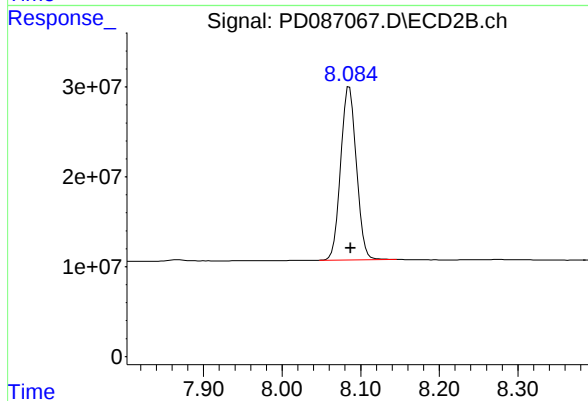
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 226254314
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 61420780
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.002 min
Response: 267305841
Conc: 19.19 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/06/24
Client Sample ID:	PB165390TB	SDG No.:	P5117
Lab Sample ID:	PB165390TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	TCLP Pesticide
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087066.D	1	12/06/24 10:50	12/06/24 17:02	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.25	U	0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	0.25	U	0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.090	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.5		30 - 135		92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		44 - 124		99%	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\PD120624\
 Data File : PD087066.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 17:02
 Operator : AR\AJ
 Sample : PB165390TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB165390TB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 06 22:24:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:47:26 2024
 Response via : Initial 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...	3.557	2.884	36517669	227.1E6	18.261	19.839
28) SA Decachlor...	9.087	8.086	57324960	257.7E6	18.021	18.492

Target Compounds

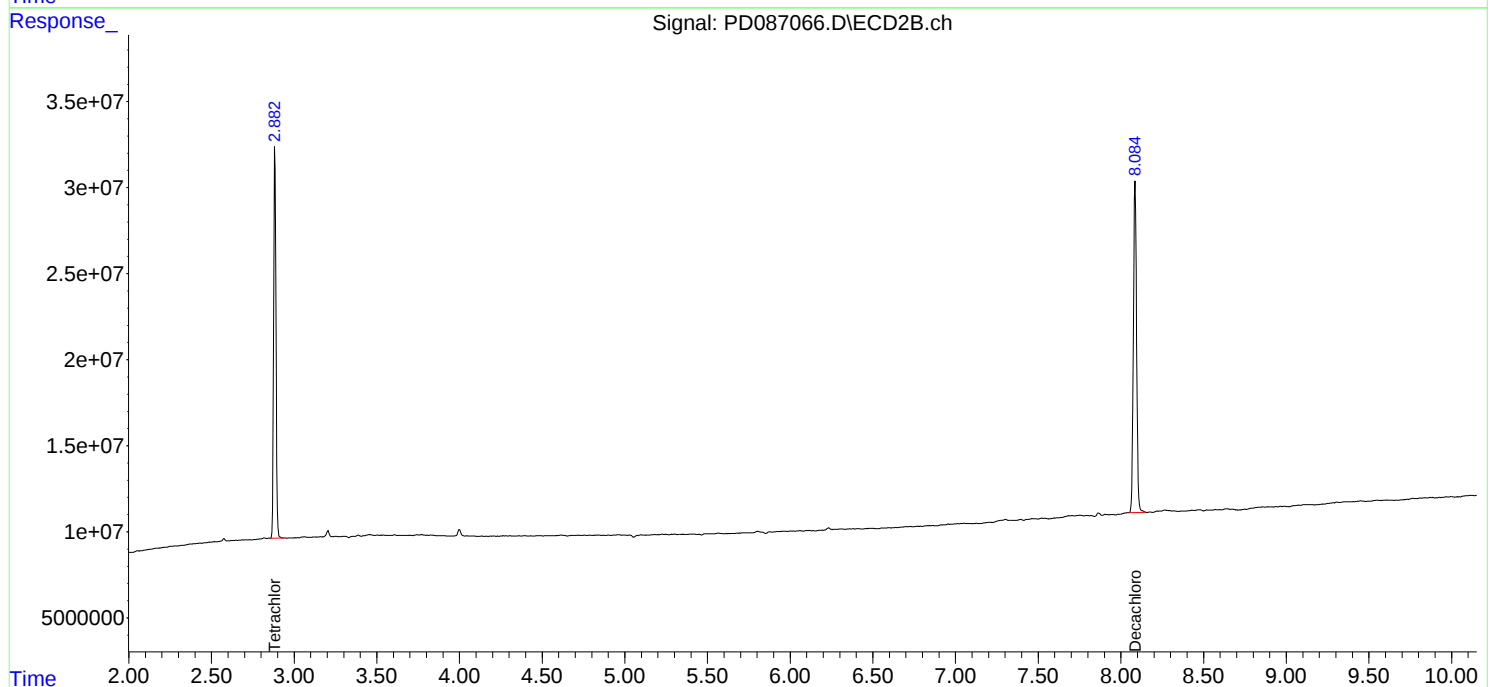
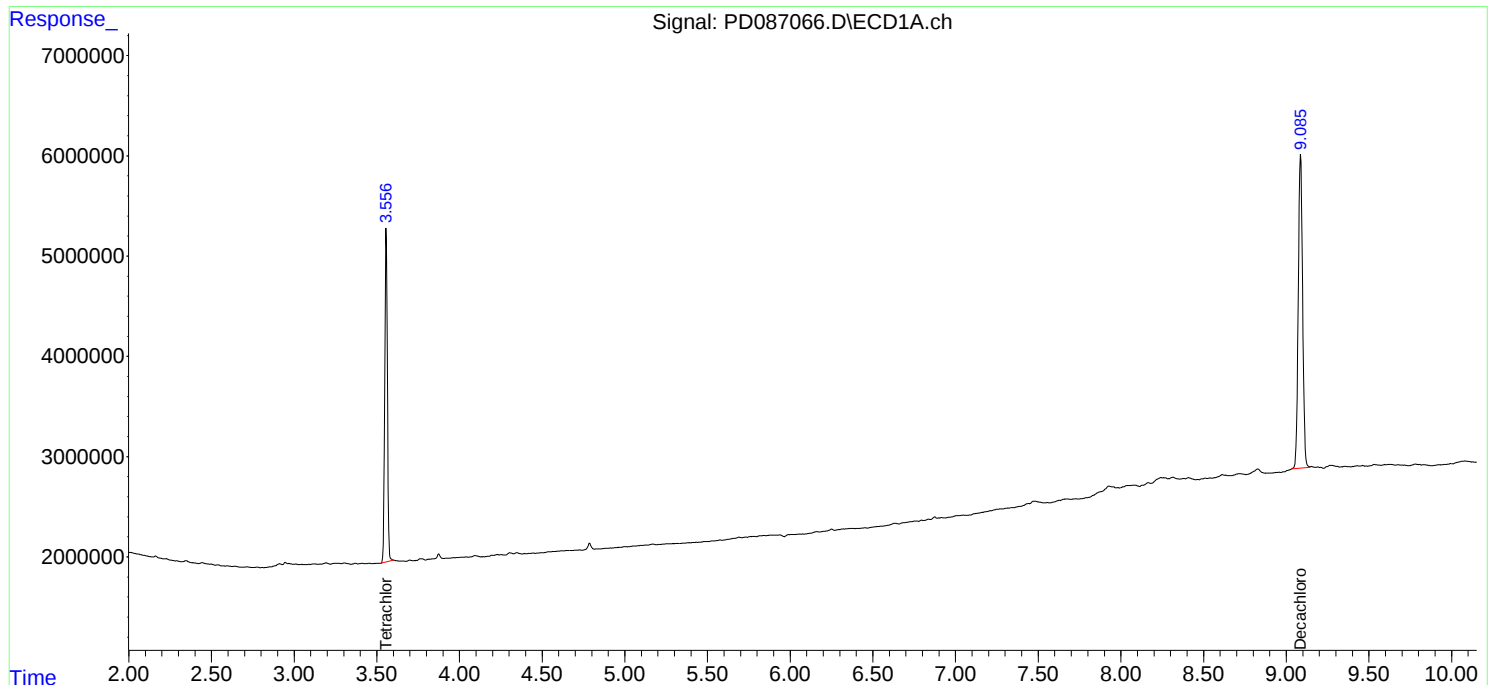
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

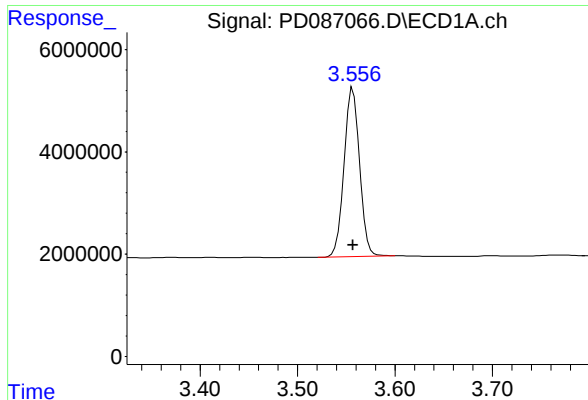
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087066.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:02
Operator : AR\AJ
Sample : PB165390TB
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB165390TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

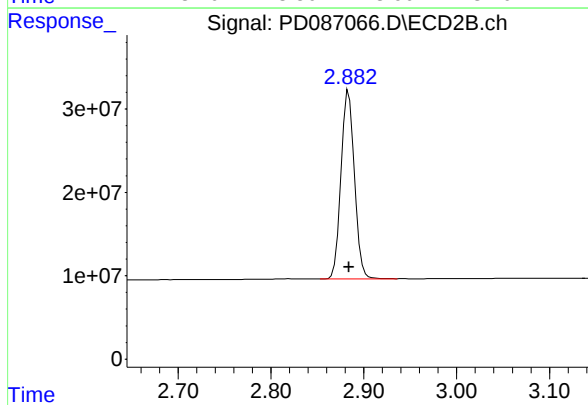




#1 Tetrachloro-m-xylene

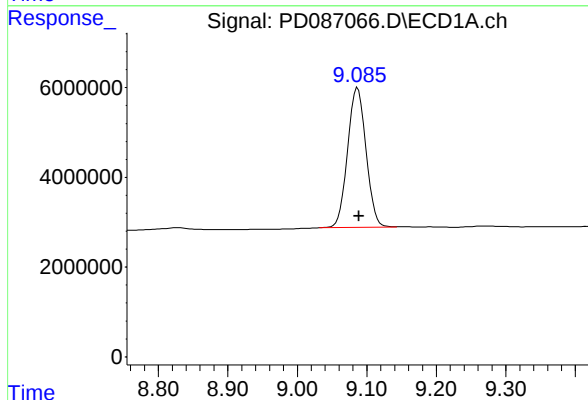
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 36517669
Conc: 18.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165390TB



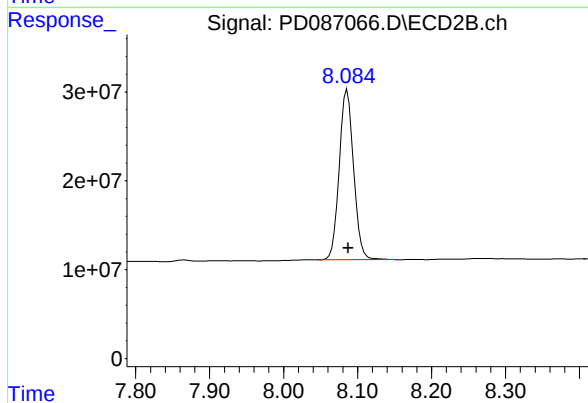
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 227084073
Conc: 19.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 57324960
Conc: 18.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.001 min
Response: 257651627
Conc: 18.49 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5117 **SAS No.:** P5117 **SDG NO.:** P5117
Instrument ID: ECD_D **Calibration Date(s):** 11/27/2024 11/27/2024
Calibration Times: 11:29 12:24

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

LAB FILE ID:	RT 100 = <u>PD086947.D</u>	RT 075 = <u>PD086948.D</u>
RT 050 = <u>PD086949.D</u>	RT 025 = <u>PD086950.D</u>	RT 005 = <u>PD086951.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.09	9.09	9.09	9.09	9.09	9.09	8.99	9.19
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
gamma-BHC (Lindane)	4.34	4.34	4.34	4.34	4.34	4.34	4.24	4.44
Heptachlor	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Heptachlor epoxide	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.56	3.56	3.56	3.56	3.56	3.56	3.46	3.66

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5117 **SAS No.:** P5117 **SDG NO.:** P5117
Instrument ID: ECD_D **Calibration Date(s):** 11/27/2024 11/27/2024
Calibration Times: 11:29 12:24

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

LAB FILE ID:	RT 100 = <u>PD086947.D</u>	RT 075 = <u>PD086948.D</u>
RT 050 = <u>PD086949.D</u>	RT 025 = <u>PD086950.D</u>	RT 005 = <u>PD086951.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
Endrin	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
gamma-BHC (Lindane)	3.74	3.74	3.74	3.74	3.74	3.73	3.63	3.83
Heptachlor	4.09	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5117 **SAS No.:** P5117 **SDG NO.:** P5117
Instrument ID: ECD_D **Calibration Date(s):** 11/27/2024 11/27/2024
Calibration Times: 11:29 12:24
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PD086947.D</u>		CF 075 = <u>PD086948.D</u>			
CF 050 = <u>PD086949.D</u>		CF 025 = <u>PD086950.D</u>		CF 005 = <u>PD086951.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2992430000	3112430000	3225210000	3355650000	3219270000	3181000000	4
Endrin	3202610000	3205890000	3170740000	3021160000	2529400000	3025960000	10
gamma-BHC (Lindane)	4309810000	4322940000	4222970000	3939130000	3147430000	3988460000	12
Heptachlor	4139080000	4178160000	4114300000	3906950000	3292570000	3926210000	9
Heptachlor epoxide	3736910000	3782610000	3761390000	3628850000	3158060000	3613560000	7
Methoxychlor	1559340000	1605900000	1649440000	1677570000	1504180000	1599280000	4
Tetrachloro-m-xylene	2000110000	2033420000	2050380000	2042900000	1872020000	1999770000	4



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Instrument ID: ECD_D

Calibration Date(s): 11/27/2024 11/27/2024

Calibration Times: 11:29 12:24

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

LAB FILE ID:		CF 100 =	<u>PD086947.D</u>	CF 075 =	<u>PD086948.D</u>		
CF 050 =		<u>PD086949.D</u>	CF 025 =	<u>PD086950.D</u>	CF 005 =	<u>PD086951.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	12637700000	13273000000	13919900000	14734900000	15098700000	13932800000	7
Endrin	12948400000	13556700000	14213900000	14888000000	14336100000	13988600000	5
gamma-BHC (Lindane)	15964000000	16586900000	17138600000	17562200000	16722600000	16794900000	4
Heptachlor	15015200000	15753600000	16478600000	17132800000	16898300000	16255700000	5
Heptachlor epoxide	13890700000	14599400000	15324600000	15983400000	16121100000	15183900000	6
Methoxychlor	6411610000	6823710000	7271800000	7742890000	7616140000	7173230000	8
Tetrachloro-m-xylene	10635000000	11107400000	11557700000	12009200000	11922500000	11446400000	5



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Instrument ID: ECD_D Date(s) Analyzed: 11/27/2024 11/27/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.72	4.62	4.82	132241000
		2	5.25	5.15	5.35	145317000
		3	5.96	5.86	6.06	573378000
		4	6.04	5.94	6.14	688180000
		5	6.88	6.78	6.98	120134000
Toxaphene	500	1	6.25	6.15	6.35	26714900
		2	6.45	6.35	6.55	37423900
		3	7.16	7.06	7.26	74221400
		4	7.57	7.47	7.67	97471900
		5	7.94	7.84	8.04	55327400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Instrument ID: ECD_D Date(s) Analyzed: 11/27/2024 11/27/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.91	3.81	4.01	531244000
		2	4.50	4.40	4.60	563058000
		3	5.14	5.04	5.24	1670280000
		4	5.20	5.10	5.30	1422870000
		5	6.10	6.00	6.20	648919000
Toxaphene	500	1	5.49	5.39	5.59	116683000
		2	5.66	5.56	5.76	78971400
		3	6.77	6.67	6.87	387418000
		4	7.21	7.11	7.31	277118000
		5	7.34	7.24	7.44	199715000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:29
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:22:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial 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...	3.557	2.884	200.0E6	1063.5E6	98.759	95.842
28)	SA Decachlor...	9.087	8.086	299.2E6	1263.8E6	96.256	95.172
Target Compounds							
2)	A alpha-BHC	4.007	3.397	443.1E6	1694.2E6	101.639	96.775
3)	MA gamma-BHC...	4.338	3.735	431.0E6	1596.4E6	101.018	96.452
4)	MA Heptachlor	4.938	4.090	413.9E6	1501.5E6	100.300	95.353
5)	MB Aldrin	5.281	4.376	430.3E6	1562.0E6	100.227	95.695
6)	B beta-BHC	4.521	4.030	153.5E6	657.2E6	97.744	95.279
7)	B delta-BHC	4.770	4.267	444.1E6	1615.5E6	101.302	96.322
8)	B Heptachlo...	5.700	4.881	373.7E6	1389.1E6	99.674	95.092
9)	A Endosulfan I	6.084	5.256	343.4E6	1297.1E6	99.255	94.872
10)	B gamma-Chl...	5.955	5.134	369.3E6	1451.0E6	99.937	95.821
11)	B alpha-Chl...	6.036	5.199	368.8E6	1411.6E6	99.605	95.476
12)	B 4,4'-DDE	6.205	5.385	346.7E6	1415.6E6	100.559	95.701
13)	MA Dieldrin	6.356	5.522	379.6E6	1447.4E6	100.069	95.403
14)	MA Endrin	6.583	5.798	320.3E6	1294.8E6	100.500	95.341
15)	B Endosulfa...	6.795	6.090	304.0E6	1253.5E6	98.612	94.979
16)	A 4,4'-DDD	6.714	5.939	273.6E6	1176.0E6	100.283	95.790
17)	MA 4,4'-DDT	7.031	6.194	297.7E6	1252.9E6	99.843	95.681
18)	B Endrin al...	6.924	6.269	242.1E6	1000.9E6	97.873	94.483
19)	B Endosulfa...	7.158	6.492	293.6E6	1230.4E6	98.661	94.843
20)	A Methoxychlor	7.503	6.766	155.9E6	641.2E6	97.192	93.714
21)	B Endrin ke...	7.640	7.001	329.6E6	1368.9E6	98.725	94.710
22)	Mirex	8.125	7.198	238.0E6	1105.1E6	96.778	94.656

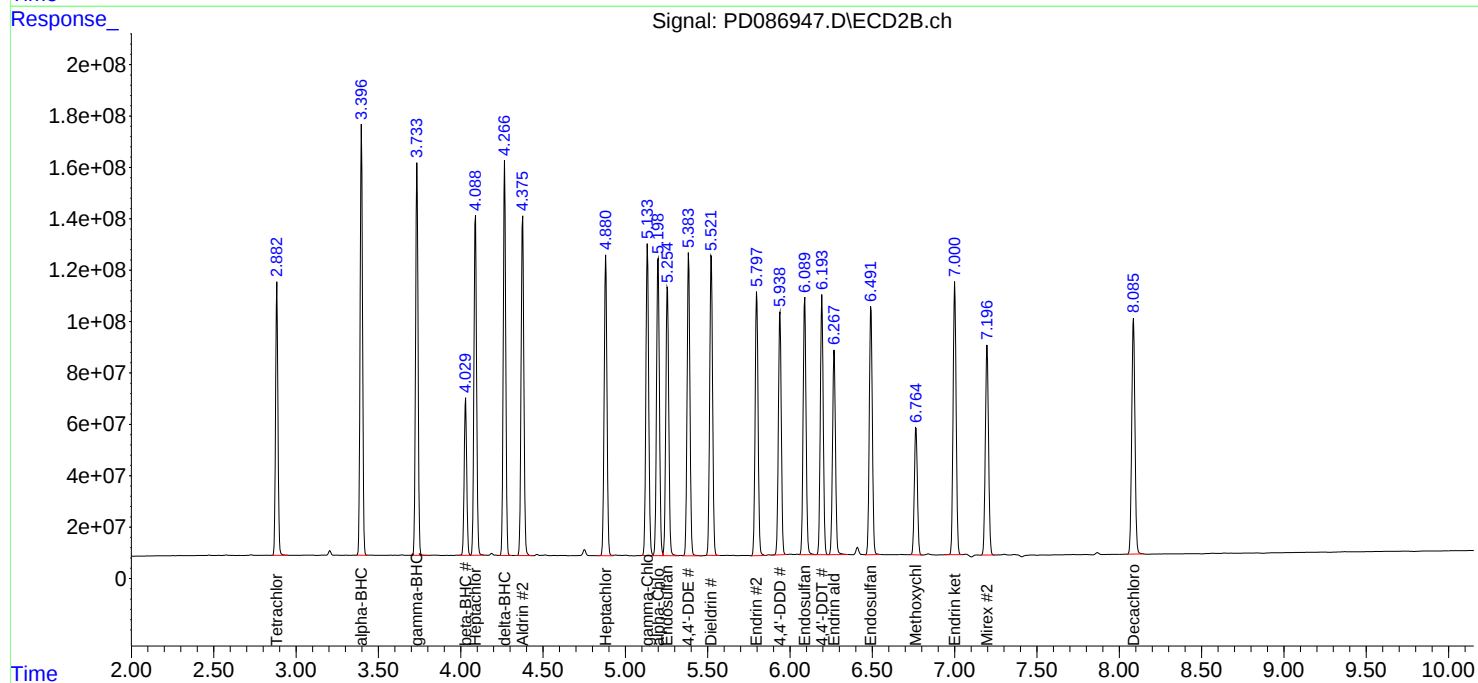
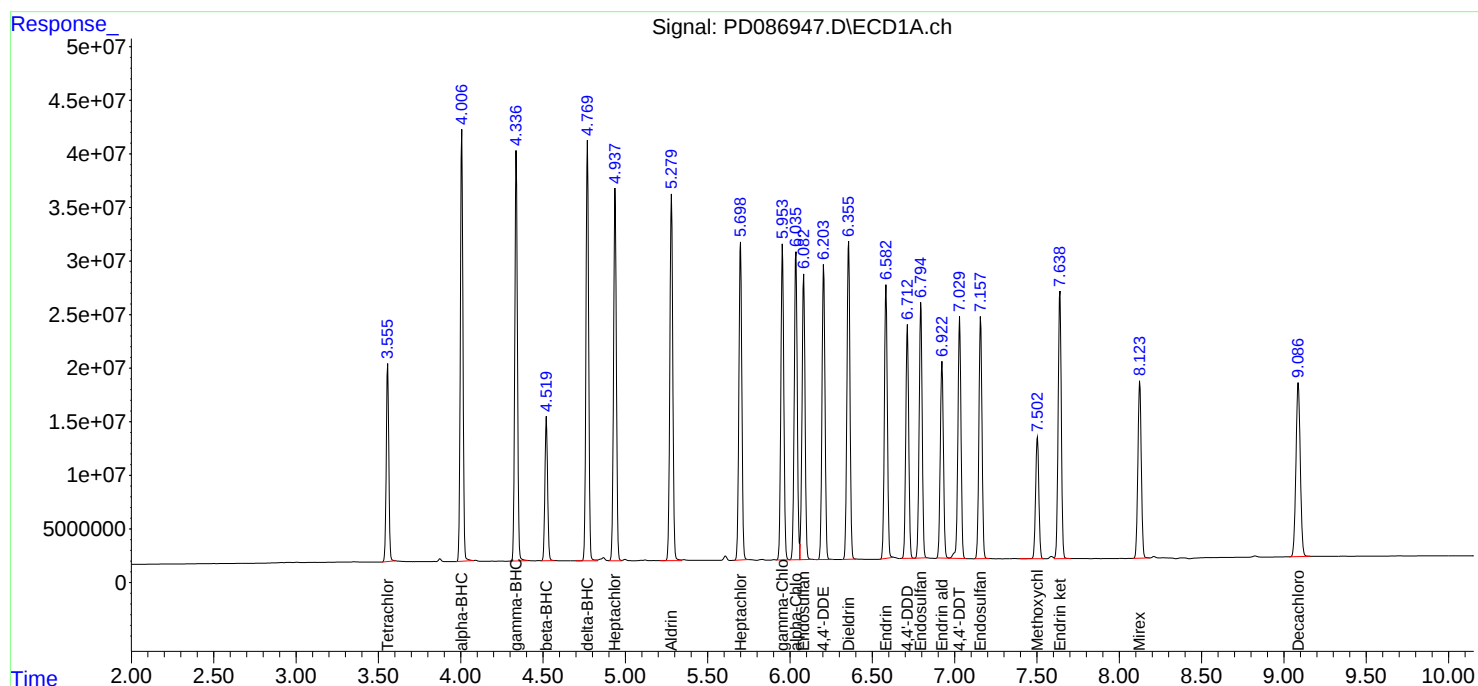
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:29
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

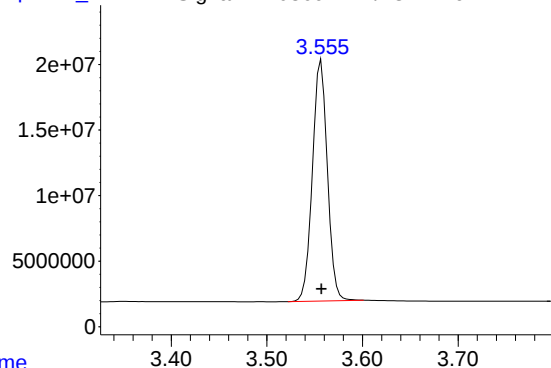
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:22:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086947.D\ECD1A.ch

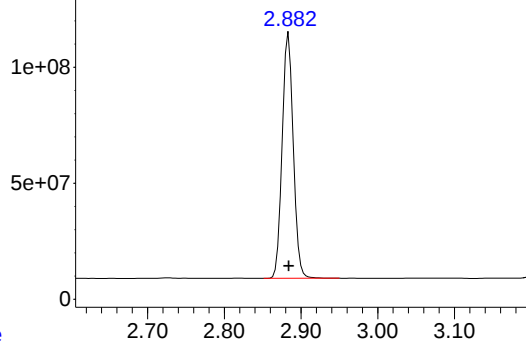


#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 200011461
Conc: 98.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

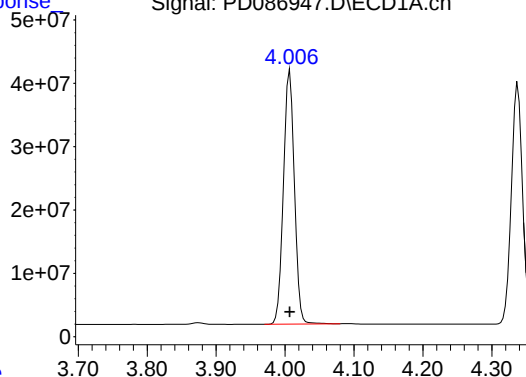
Time Response_ Signal: PD086947.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 1063501002
Conc: 95.84 ng/ml

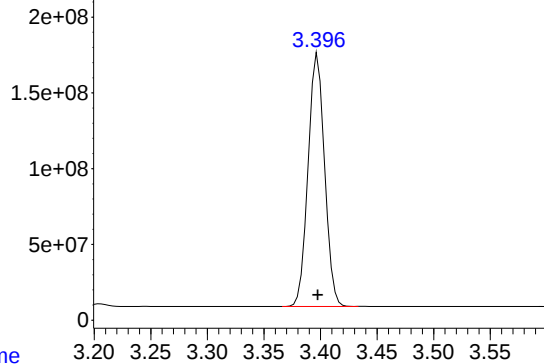
Time Response_ Signal: PD086947.D\ECD1A.ch



#2 alpha-BHC

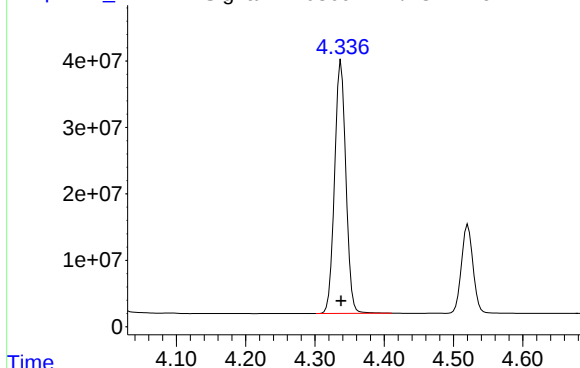
R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 443073118
Conc: 101.64 ng/ml

Time Response_ Signal: PD086947.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 1694168779
Conc: 96.78 ng/ml



R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 430981369
Conc: 101.02 ng/ml

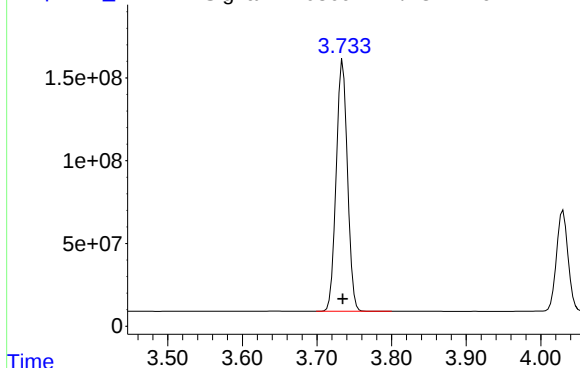
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD086947.D\ECD2B.ch

#3 gamma-BHC (Lindane)



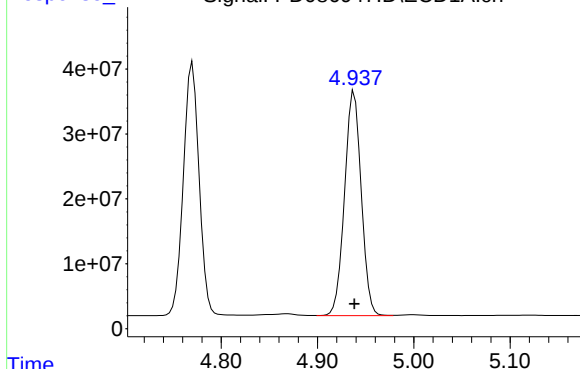
R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 1596398626
Conc: 96.45 ng/ml

Time

Response_

Signal: PD086947.D\ECD1A.ch

#4 Heptachlor



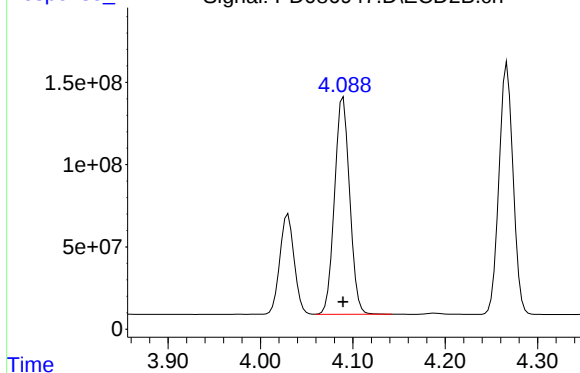
R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 413907699
Conc: 100.30 ng/ml

Time

Response_

Signal: PD086947.D\ECD2B.ch

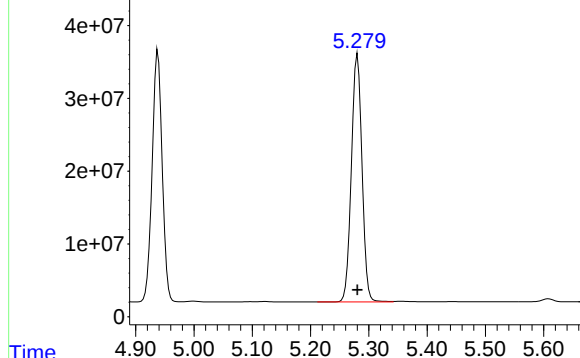
#4 Heptachlor



R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 1501519661
Conc: 95.35 ng/ml

Time

Response_ Signal: PD086947.D\ECD1A.ch

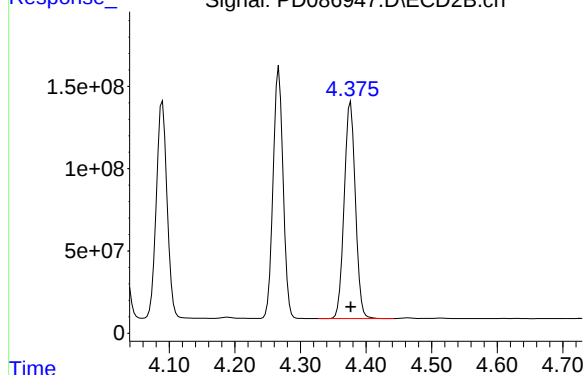


#5 Aldrin

R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 430336135
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

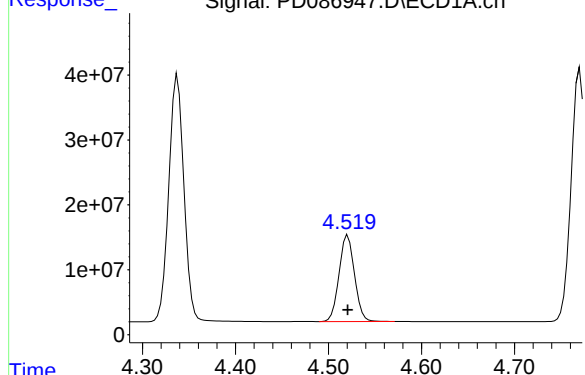
Time Response_ Signal: PD086947.D\ECD2B.ch



#5 Aldrin

R.T.: 4.376 min
Delta R.T.: 0.000 min
Response: 1562026055
Conc: 95.69 ng/ml

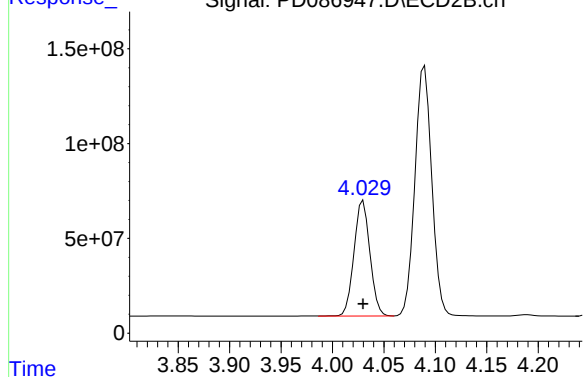
Time Response_ Signal: PD086947.D\ECD1A.ch



#6 beta-BHC

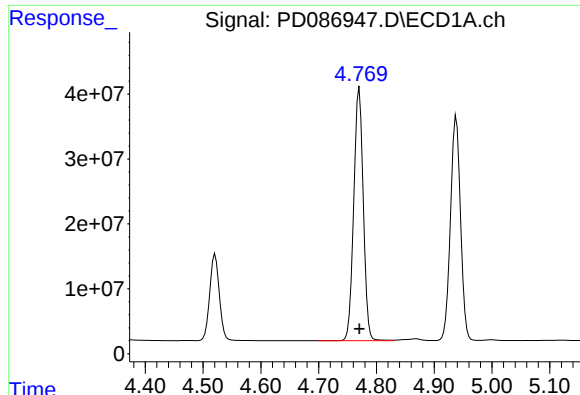
R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 153502155
Conc: 97.74 ng/ml

Time Response_ Signal: PD086947.D\ECD2B.ch



#6 beta-BHC

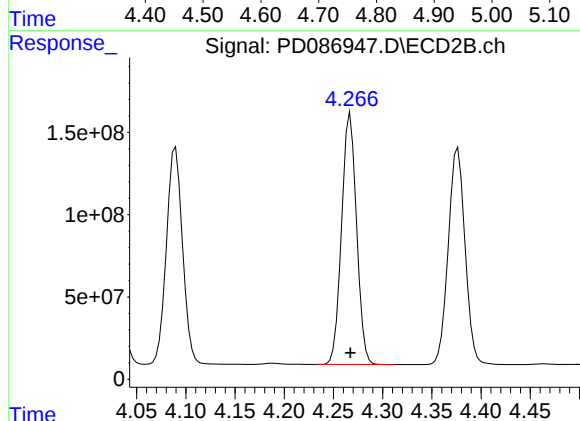
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 657159657
Conc: 95.28 ng/ml



#7 delta-BHC

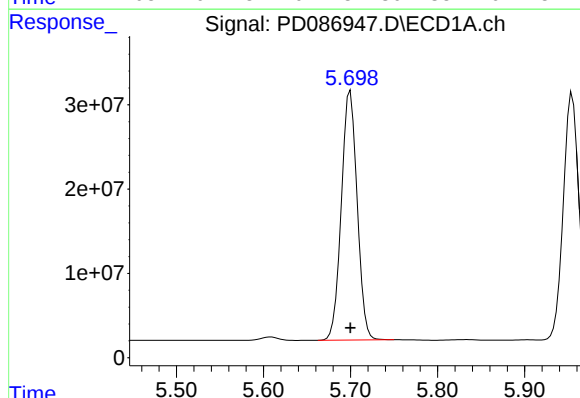
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 444142977
Conc: 101.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



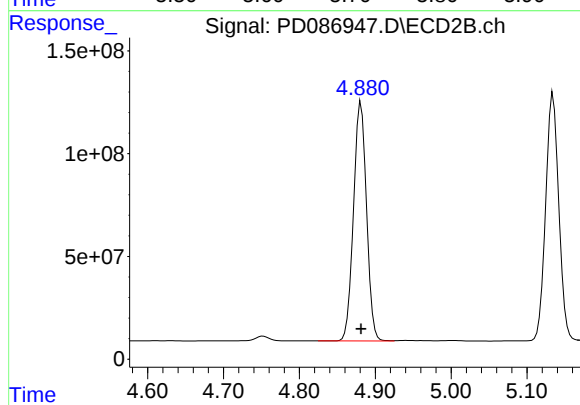
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 1615454635
Conc: 96.32 ng/ml



#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 373691394
Conc: 99.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 1389074479
Conc: 95.09 ng/ml

Response_ Signal: PD086947.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 343360913
Conc: 99.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD086947.D\ECD2B.ch

#9 Endosulfan I

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 1297110341
Conc: 94.87 ng/ml

Time

Response_ Signal: PD086947.D\ECD1A.ch

#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 369322805
Conc: 99.94 ng/ml

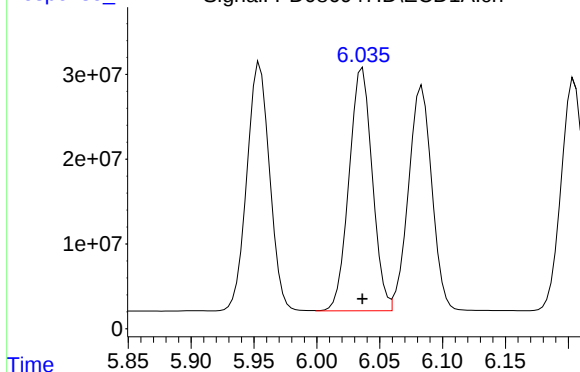
Time

Response_ Signal: PD086947.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.134 min
Delta R.T.: 0.000 min
Response: 1451029069
Conc: 95.82 ng/ml

Time



R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 368840546
Conc: 99.60 ng/ml

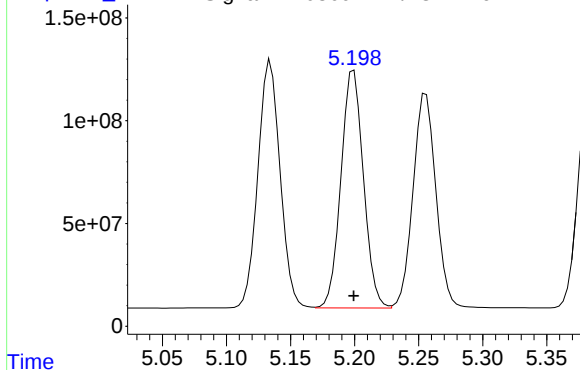
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD086947.D\ECD2B.ch

#11 alpha-Chlordane



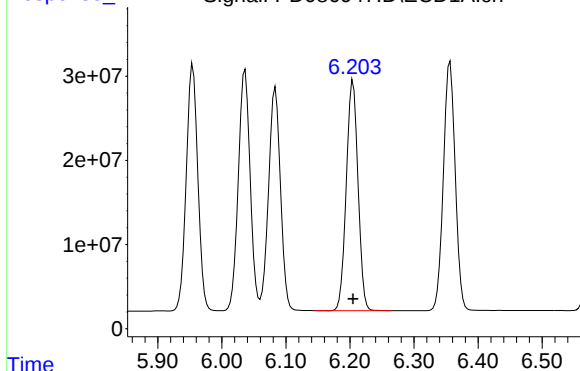
R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 1411583860
Conc: 95.48 ng/ml

Time

Response_

Signal: PD086947.D\ECD1A.ch

#12 4,4'-DDE



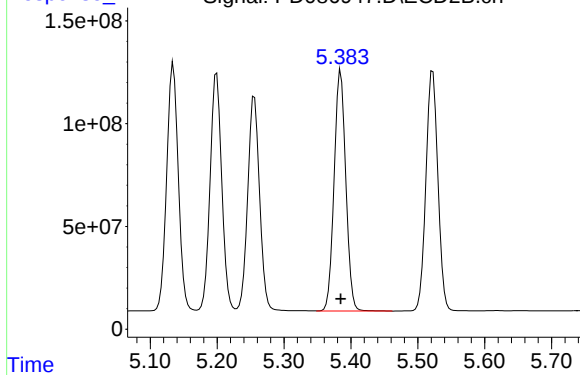
R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 346693785
Conc: 100.56 ng/ml

Time

Response_

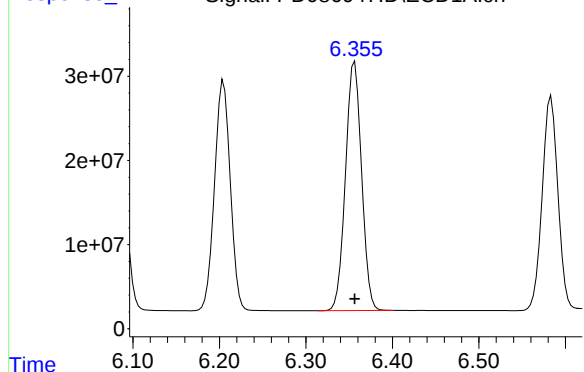
Signal: PD086947.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 1415565027
Conc: 95.70 ng/ml

Response_ Signal: PD086947.D\ECD1A.ch

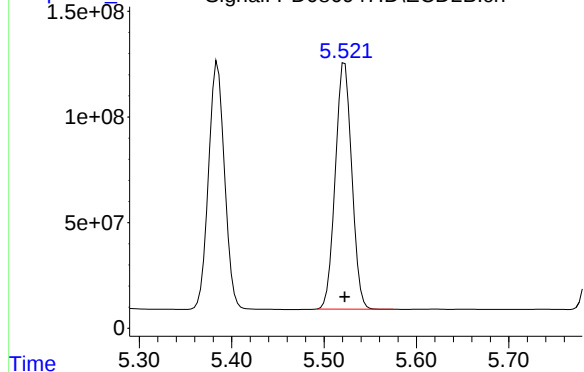


#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 379569344
Conc: 100.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

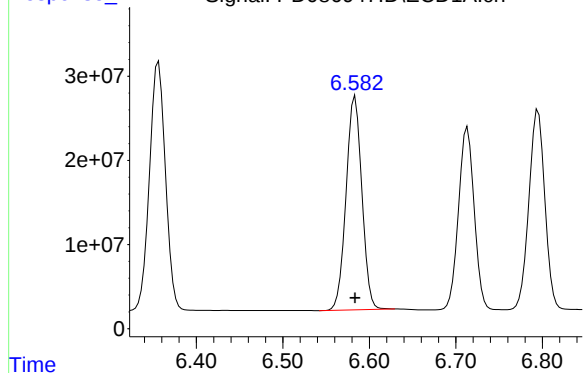
Response_ Signal: PD086947.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 1447350339
Conc: 95.40 ng/ml

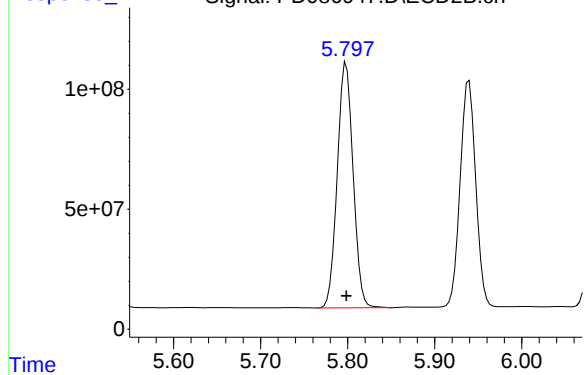
Response_ Signal: PD086947.D\ECD1A.ch



#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.000 min
Response: 320260870
Conc: 100.50 ng/ml

Response_ Signal: PD086947.D\ECD2B.ch



#14 Endrin

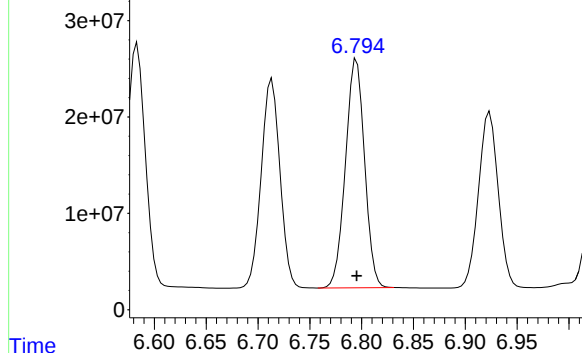
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1294838969
Conc: 95.34 ng/ml

Response_ Signal: PD086947.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 303976787
Conc: 98.61 ng/ml

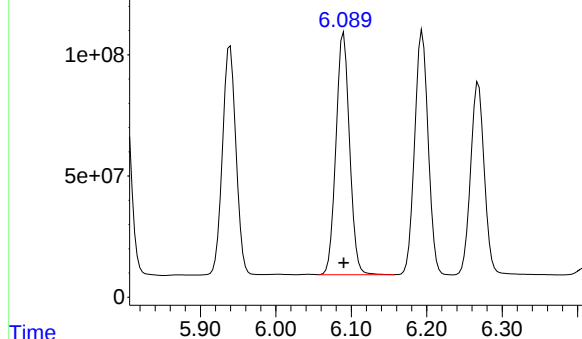
Instrument :
ECD_D
ClientSampleId :
PSTDICC100



Time Response_ Signal: PD086947.D\ECD2B.ch

#15 Endosulfan II

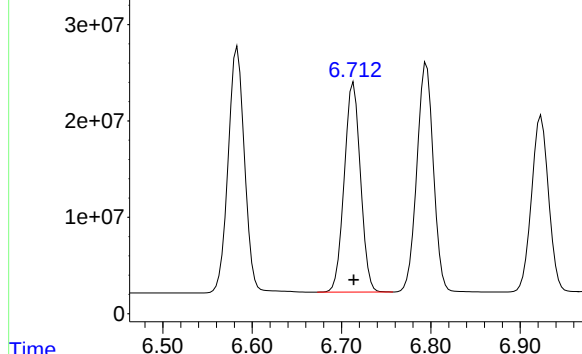
R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 1253541242
Conc: 94.98 ng/ml



Time Response_ Signal: PD086947.D\ECD1A.ch

#16 4,4'-DDD

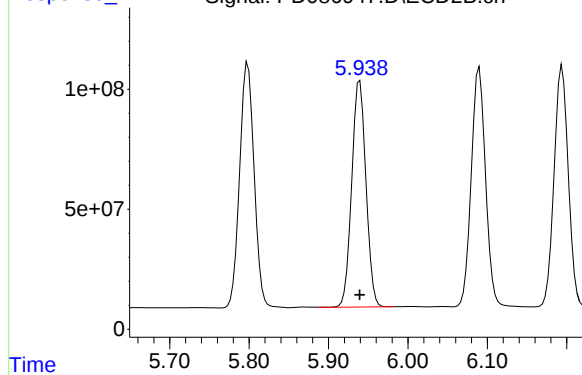
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 273592002
Conc: 100.28 ng/ml

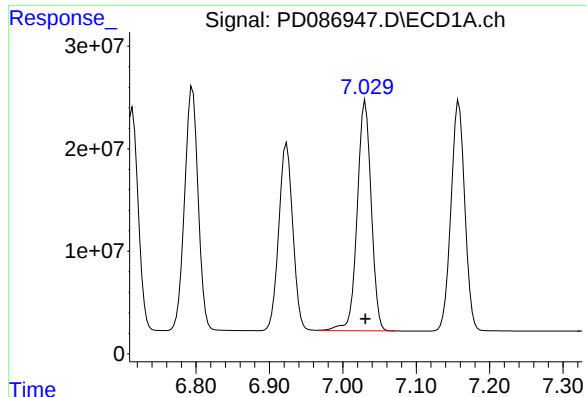


Time Response_ Signal: PD086947.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 1176009031
Conc: 95.79 ng/ml

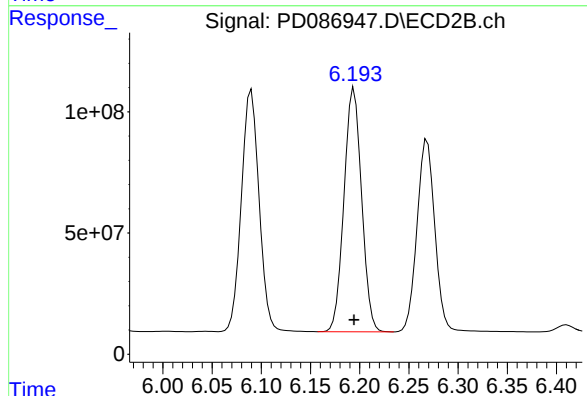




#17 4,4'-DDT

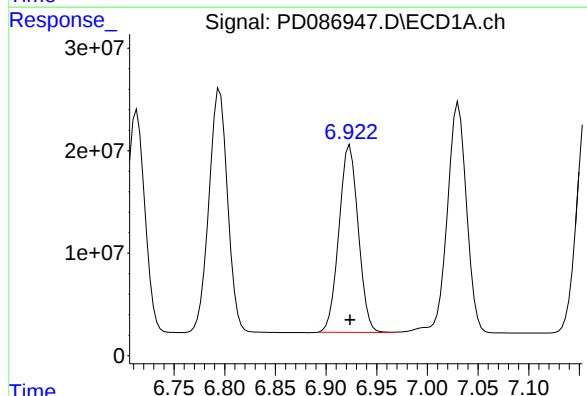
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 297681387
Conc: 99.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



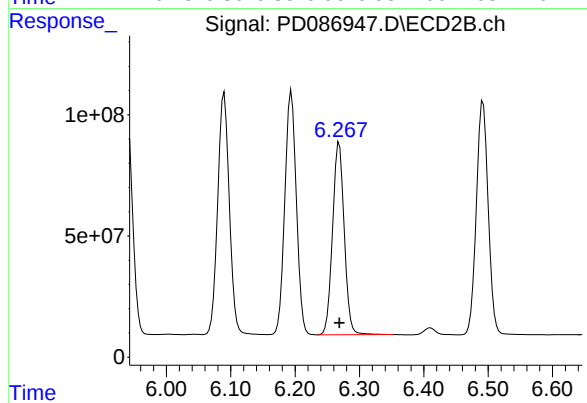
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 1252941684
Conc: 95.68 ng/ml



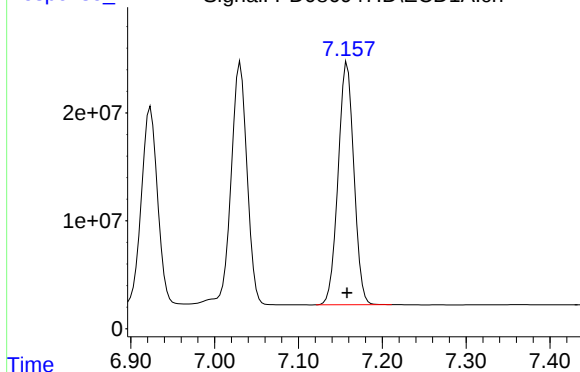
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 242123069
Conc: 97.87 ng/ml



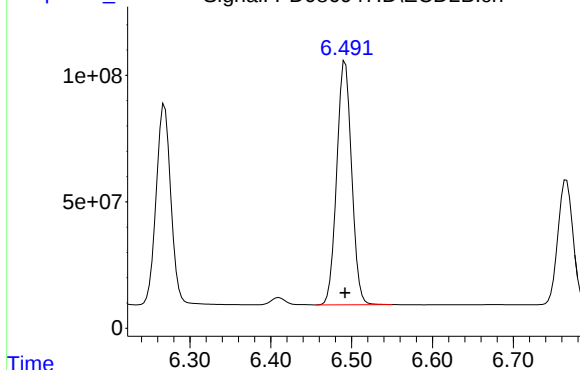
#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 1000869541
Conc: 94.48 ng/ml

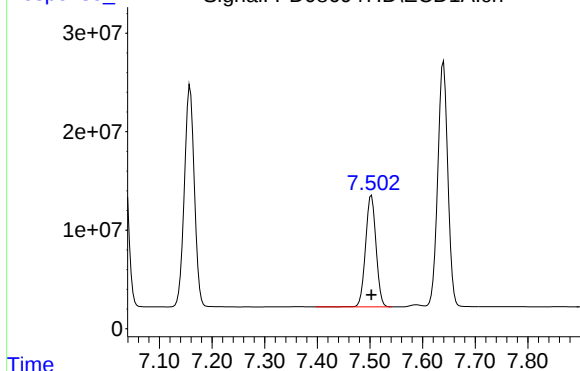


R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 293554954
Conc: 98.66 ng/ml

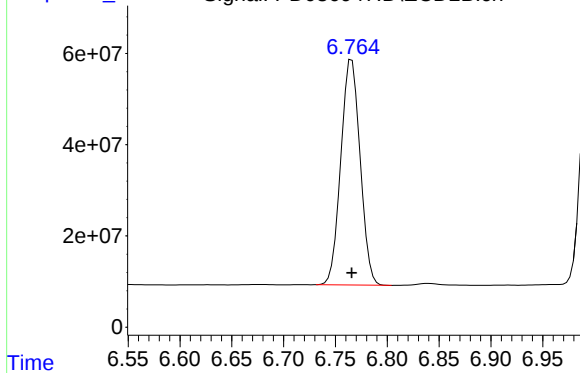
Instrument :
ECD_D
ClientSampleId :
PSTDICC100



R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 1230440458
Conc: 94.84 ng/ml

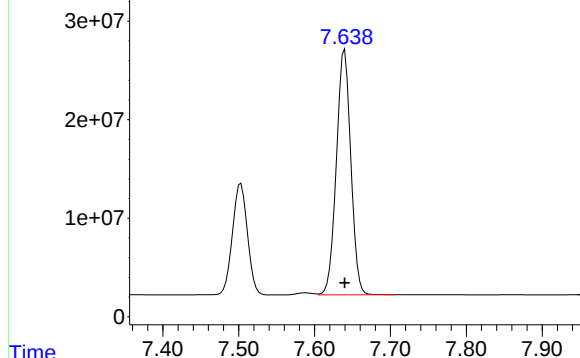


R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 155933845
Conc: 97.19 ng/ml



R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 641160537
Conc: 93.71 ng/ml

Response_ Signal: PD086947.D\ECD1A.ch

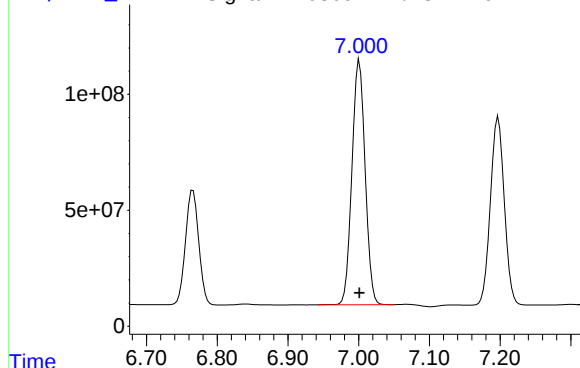


#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 329632883
Conc: 98.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

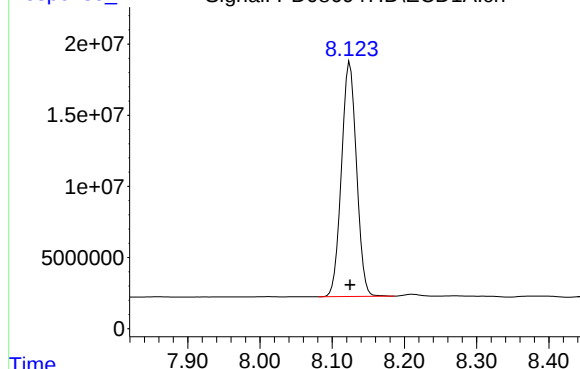
Time Response_ Signal: PD086947.D\ECD2B.ch



#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 1368870272
Conc: 94.71 ng/ml

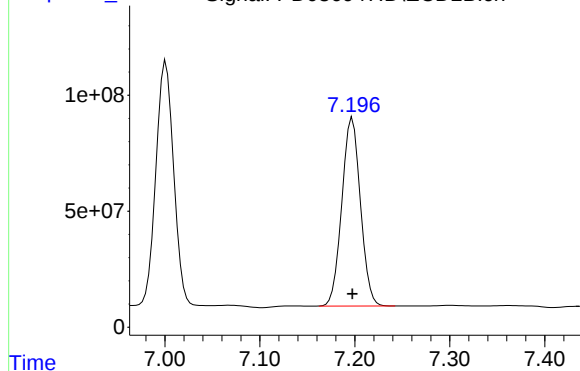
Time Response_ Signal: PD086947.D\ECD1A.ch



#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 238009592
Conc: 96.78 ng/ml

Time Response_ Signal: PD086947.D\ECD2B.ch



#22 Mirex

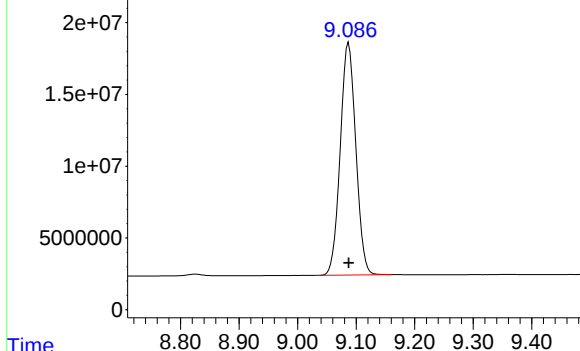
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 1105127405
Conc: 94.66 ng/ml

Response_

Signal: PD086947.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.087 min
Delta R.T.: 0.000 min
Response: 299242703
Conc: 96.26 ng/ml

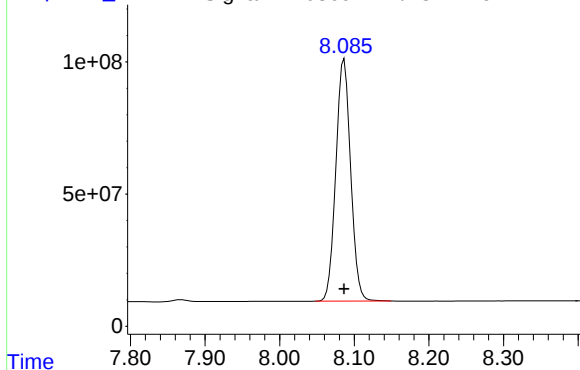
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD086947.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 1263774252
Conc: 95.17 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:42
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: Nov 27 12:23:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial 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...	3.557	2.884	152.5E6	833.1E6	75.201	75.049
28)	SA Decachlor...	9.087	8.087	233.4E6	995.5E6	75.058	74.978
Target Compounds							
2)	A alpha-BHC	4.007	3.398	331.3E6	1317.5E6	75.665	75.173
3)	MA gamma-BHC...	4.338	3.735	324.2E6	1244.0E6	75.660	75.108
4)	MA Heptachlor	4.939	4.090	313.4E6	1181.5E6	75.621	75.021
5)	MB Aldrin	5.281	4.377	325.7E6	1226.9E6	75.562	75.109
6)	B beta-BHC	4.522	4.030	118.1E6	515.9E6	75.130	74.865
7)	B delta-BHC	4.770	4.268	333.8E6	1262.0E6	75.747	75.166
8)	B Heptachlo...	5.700	4.882	283.7E6	1095.0E6	75.445	74.972
9)	A Endosulfan I	6.084	5.257	261.6E6	1026.4E6	75.413	75.047
10)	B gamma-Chl...	5.955	5.135	280.1E6	1138.3E6	75.529	75.113
11)	B alpha-Chl...	6.036	5.200	280.1E6	1108.4E6	75.434	74.978
12)	B 4,4'-DDE	6.205	5.386	261.2E6	1108.4E6	75.515	74.956
13)	MA Dieldrin	6.357	5.523	287.3E6	1140.4E6	75.487	75.114
14)	MA Endrin	6.584	5.799	240.4E6	1016.8E6	75.301	74.910
15)	B Endosulfa...	6.795	6.090	233.8E6	990.4E6	75.554	75.030
16)	A 4,4'-DDD	6.714	5.940	206.4E6	922.6E6	75.432	75.098
17)	MA 4,4'-DDT	7.031	6.195	226.2E6	984.9E6	75.584	75.143
18)	B Endrin al...	6.924	6.269	187.0E6	795.1E6	75.394	75.040
19)	B Endosulfa...	7.158	6.492	224.4E6	974.7E6	75.286	75.086
20)	A Methoxychlor	7.503	6.766	120.4E6	511.8E6	75.047	74.868
21)	B Endrin ke...	7.640	7.002	251.9E6	1083.9E6	75.303	74.994
22)	Mirex	8.125	7.198	184.6E6	872.0E6	75.034	74.791

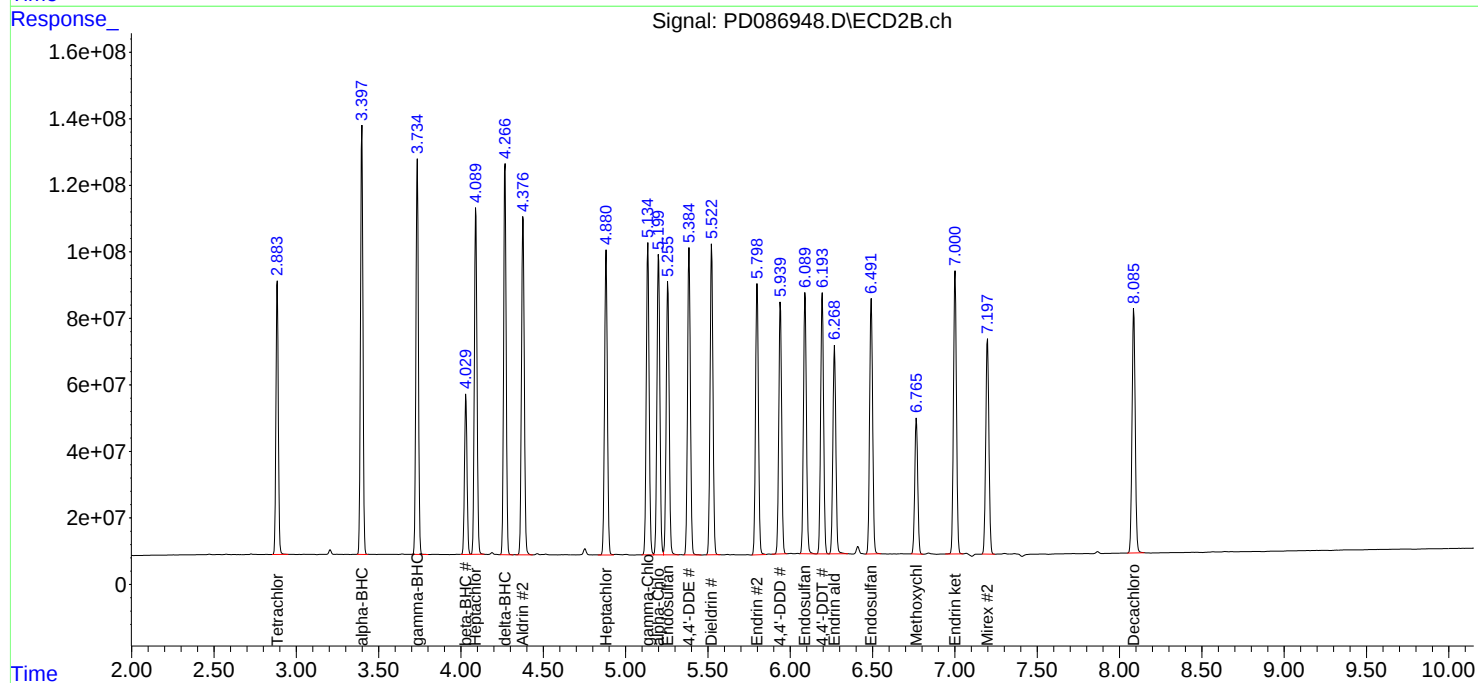
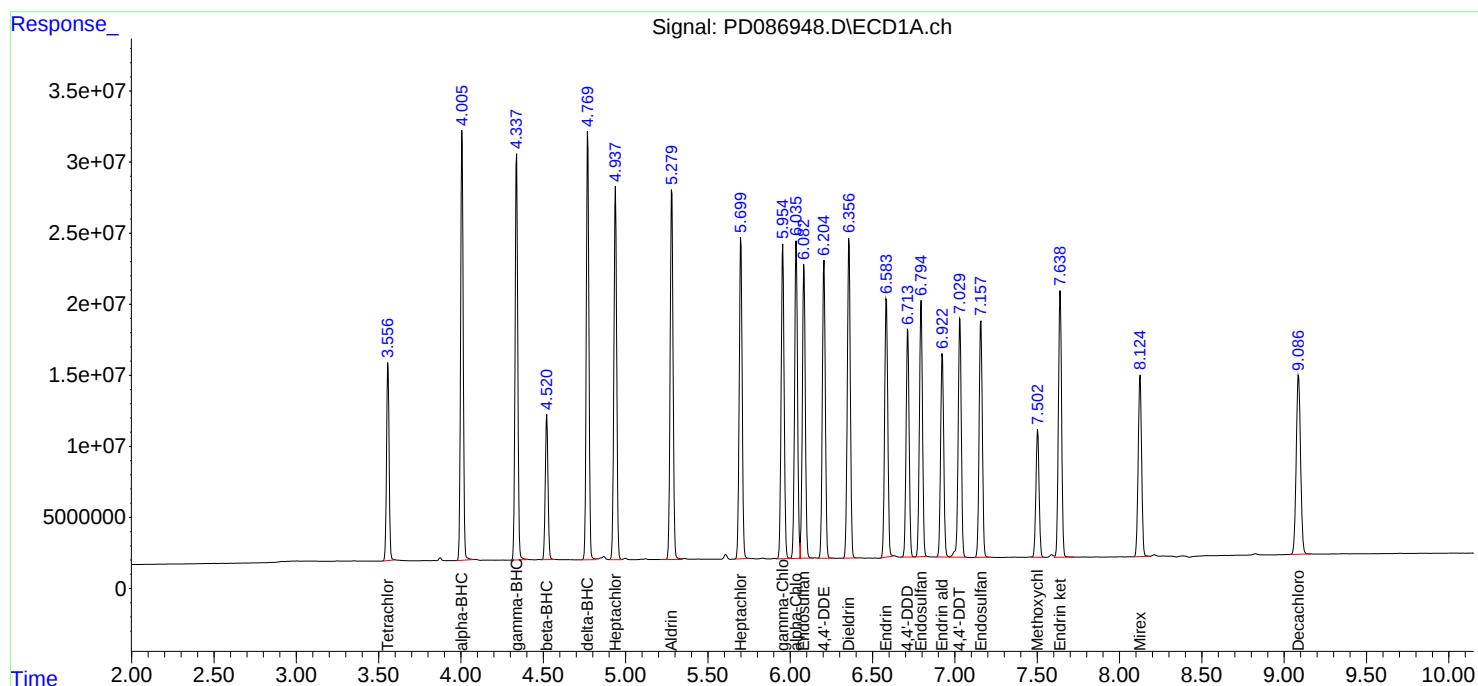
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:42
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

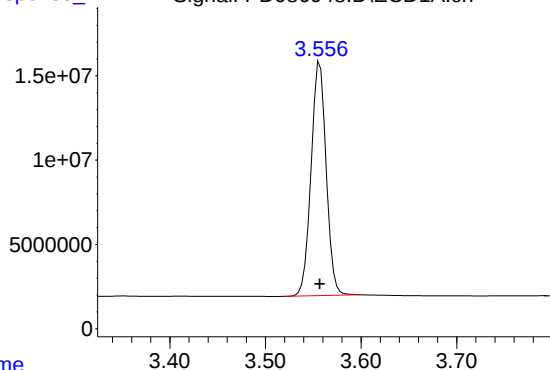
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:23:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086948.D\ECD1A.ch

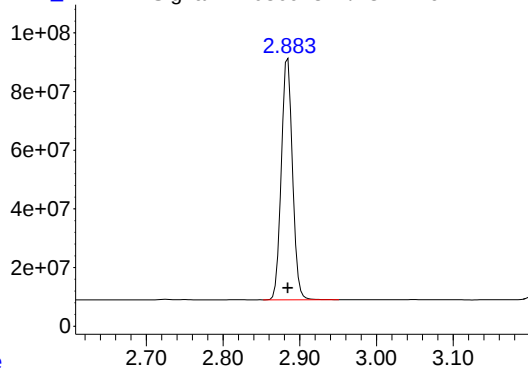


#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 152506194
Conc: 75.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

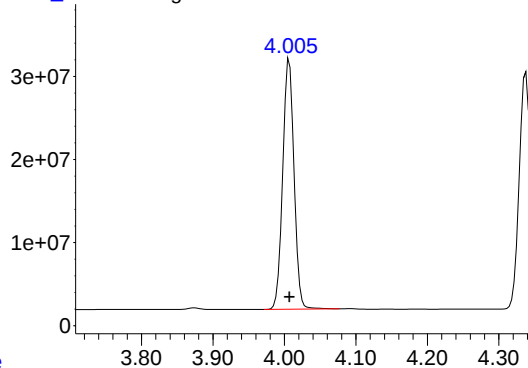
Time Response_ Signal: PD086948.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 833052012
Conc: 75.05 ng/ml

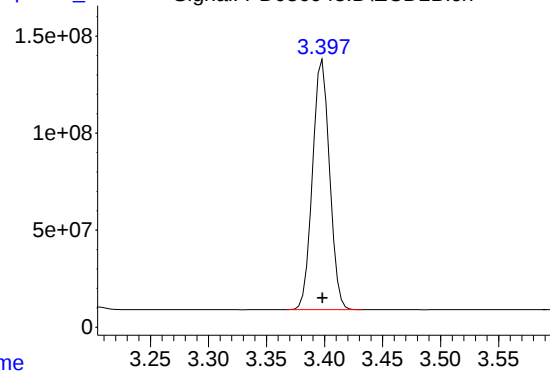
Time Response_ Signal: PD086948.D\ECD1A.ch



#2 alpha-BHC

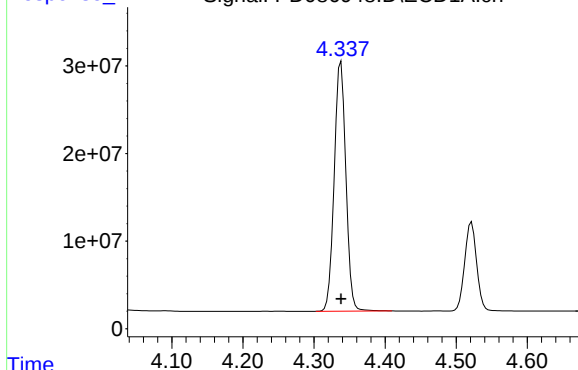
R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 331315695
Conc: 75.67 ng/ml

Time Response_ Signal: PD086948.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 1317513099
Conc: 75.17 ng/ml



R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 324220624
Conc: 75.66 ng/ml

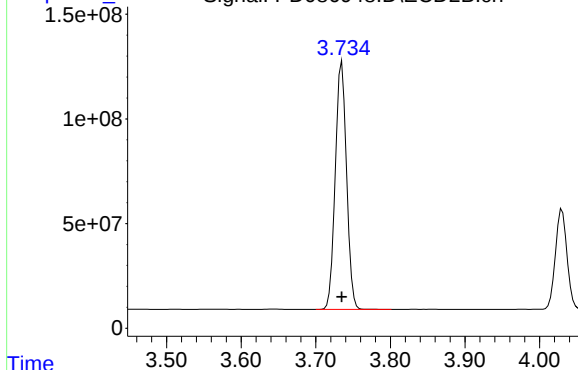
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response

Signal: PD086948.D\ECD2B.ch

#3 gamma-BHC (Lindane)



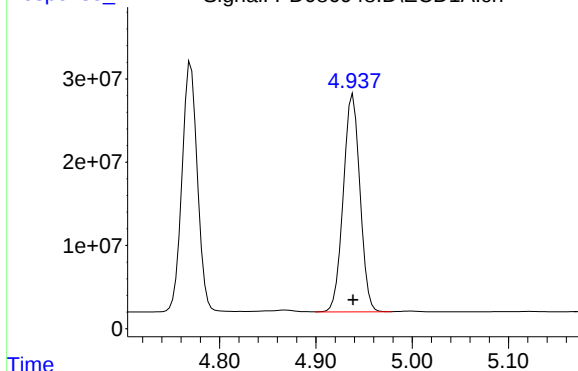
R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 1244018772
Conc: 75.11 ng/ml

Time

Response

Signal: PD086948.D\ECD1A.ch

#4 Heptachlor



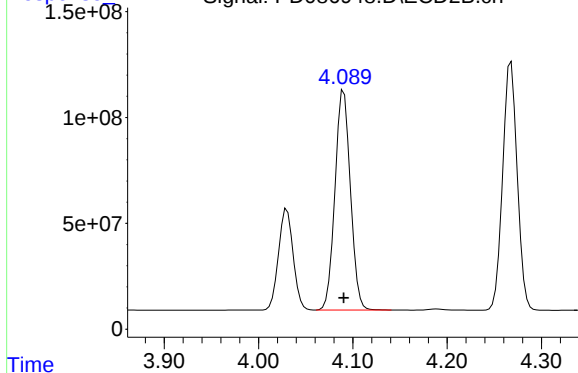
R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 313361672
Conc: 75.62 ng/ml

Time

Response

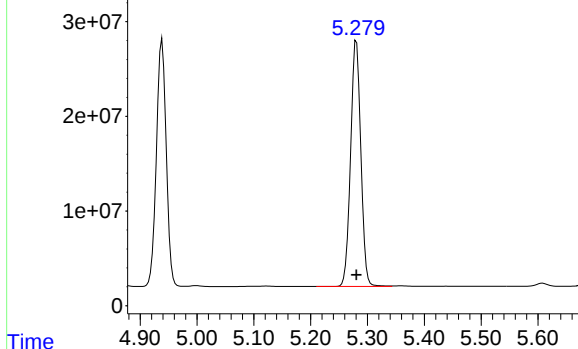
Signal: PD086948.D\ECD2B.ch

#4 Heptachlor



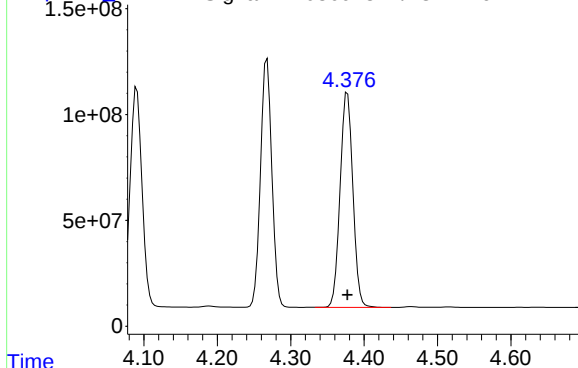
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 1181522598
Conc: 75.02 ng/ml

Time

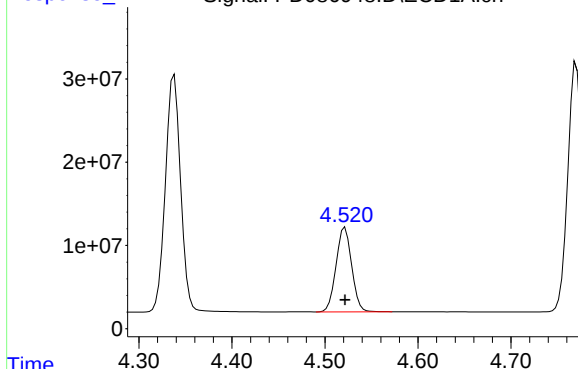


R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 325651482
Conc: 75.56 ng/ml

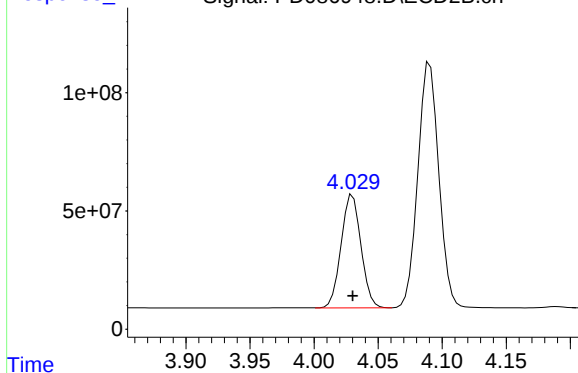
Instrument :
ECD_D
ClientSampleId :
PSTDICC075



R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 1226902957
Conc: 75.11 ng/ml



R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 118089165
Conc: 75.13 ng/ml

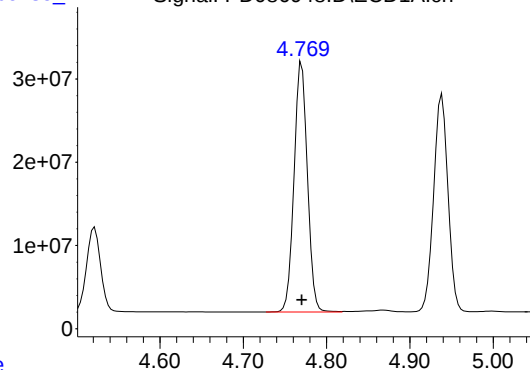


R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 515894291
Conc: 74.87 ng/ml

Response_

Signal: PD086948.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 333761448
Conc: 75.75 ng/ml

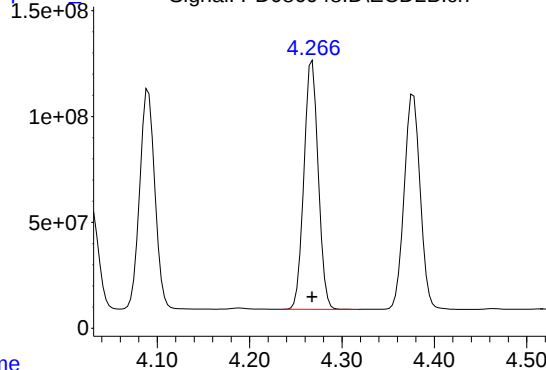
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response

Signal: PD086948.D\ECD2B.ch

#7 delta-BHC



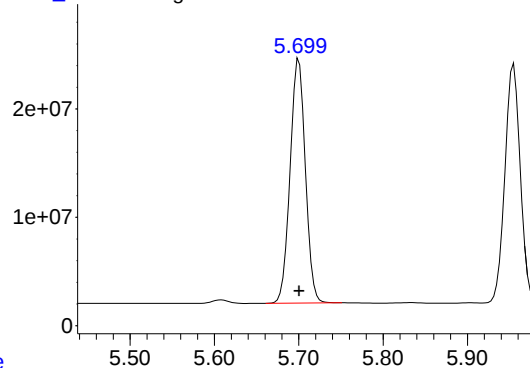
R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 1262028274
Conc: 75.17 ng/ml

Time

Response_

Signal: PD086948.D\ECD1A.ch

#8 Heptachlor epoxide



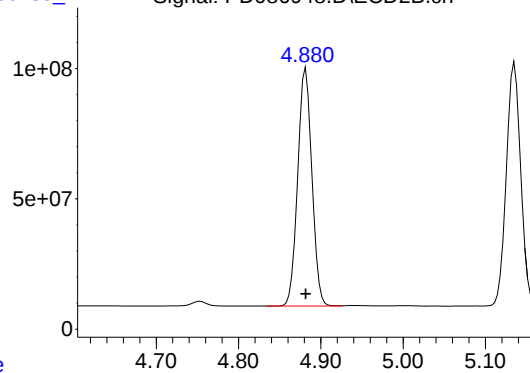
R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 283695654
Conc: 75.44 ng/ml

Time

Response_

Signal: PD086948.D\ECD2B.ch

#8 Heptachlor epoxide



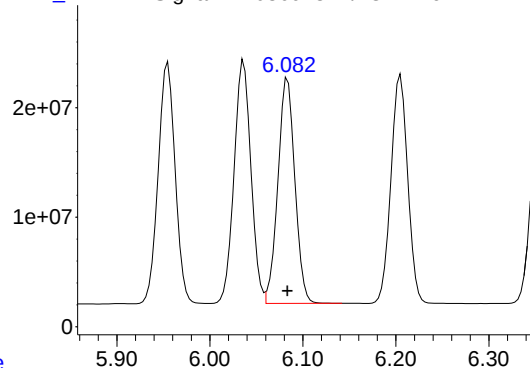
R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 1094952901
Conc: 74.97 ng/ml

Time

Response_

Signal: PD086948.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 261602655
Conc: 75.41 ng/ml

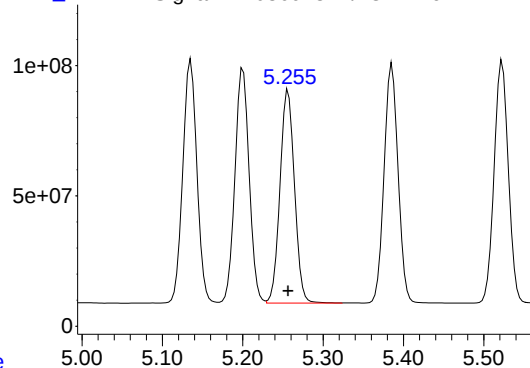
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD086948.D\ECD2B.ch

#9 Endosulfan I



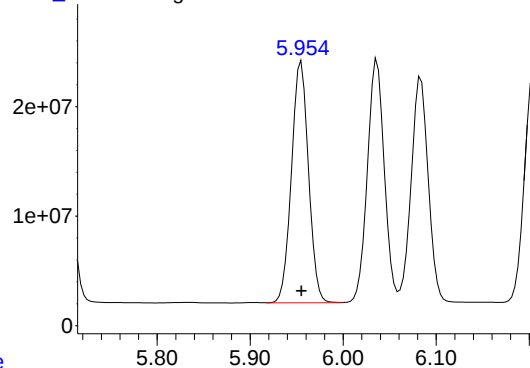
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 1026387979
Conc: 75.05 ng/ml

Time

Response_

Signal: PD086948.D\ECD1A.ch

#10 gamma-Chlordane



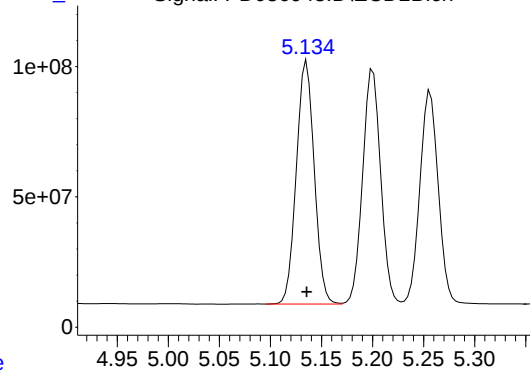
R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 280108090
Conc: 75.53 ng/ml

Time

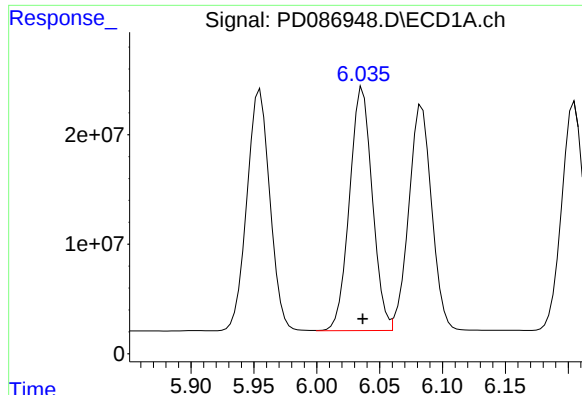
Response_

Signal: PD086948.D\ECD2B.ch

#10 gamma-Chlordane



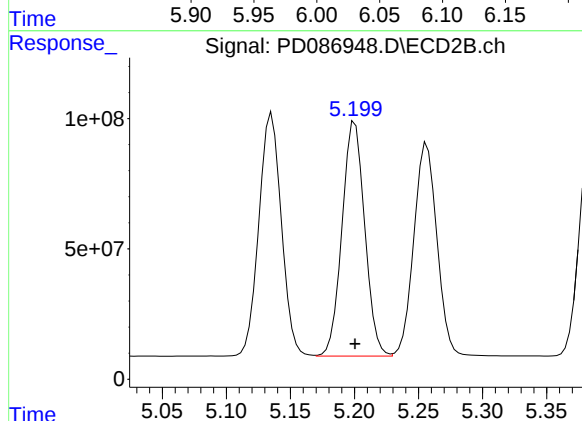
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 1138313760
Conc: 75.11 ng/ml



#11 alpha-Chlordane

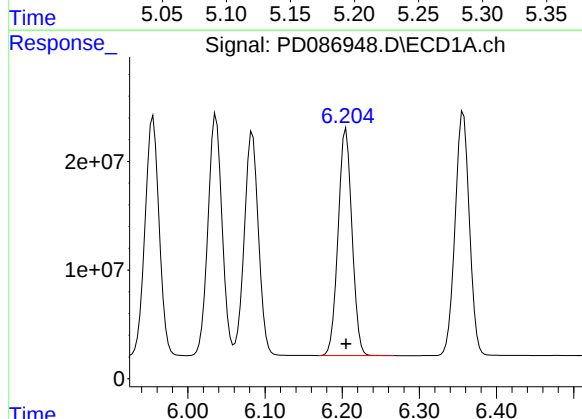
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 280148047
Conc: 75.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



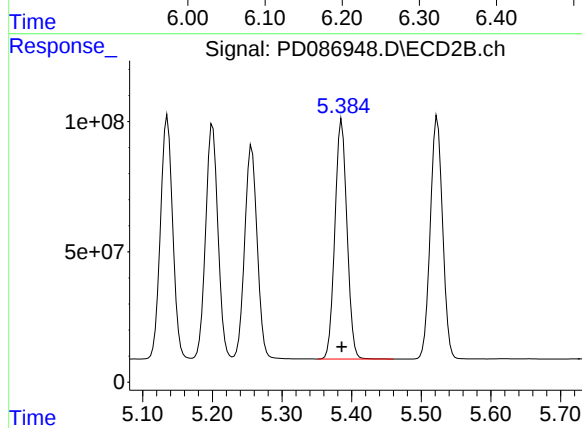
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 1108356186
Conc: 74.98 ng/ml



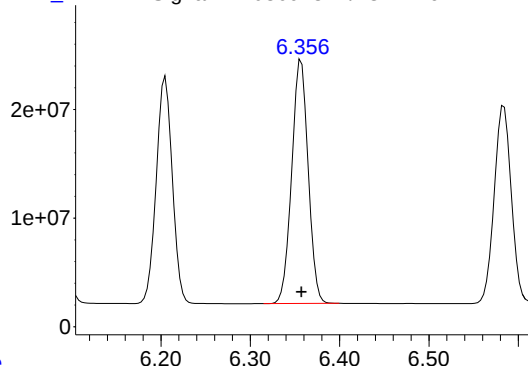
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 261248350
Conc: 75.52 ng/ml



#12 4,4'-DDE

R.T.: 5.386 min
Delta R.T.: 0.000 min
Response: 1108392477
Conc: 74.96 ng/ml



R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 287261637
Conc: 75.49 ng/ml

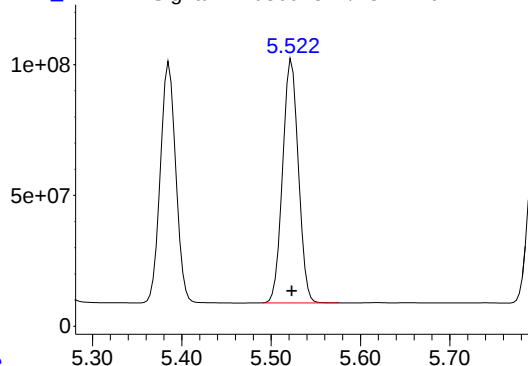
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD086948.D\ECD2B.ch

#13 Dieldrin



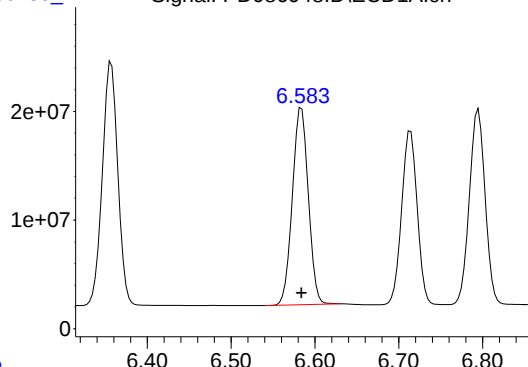
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 1140426092
Conc: 75.11 ng/ml

Time

Response_

Signal: PD086948.D\ECD1A.ch

#14 Endrin



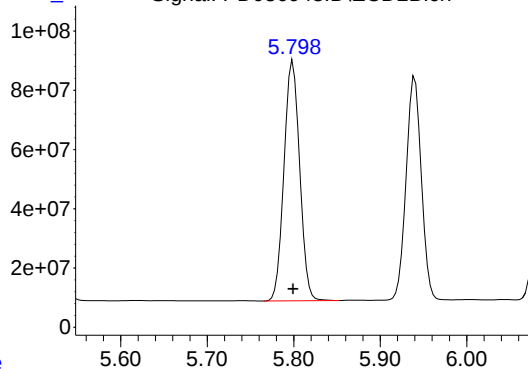
R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 240441930
Conc: 75.30 ng/ml

Time

Response_

Signal: PD086948.D\ECD2B.ch

#14 Endrin

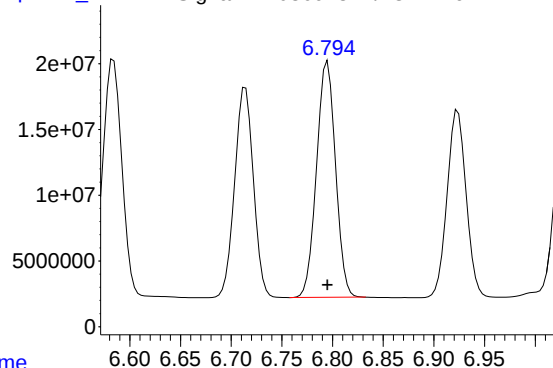


R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 1016756067
Conc: 74.91 ng/ml

Time

Response_ Signal: PD086948.D\ECD1A.ch

#15 Endosulfan II

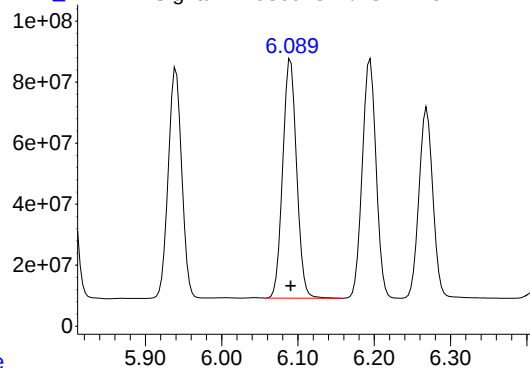


R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 233764756
Conc: 75.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time Response_ Signal: PD086948.D\ECD2B.ch

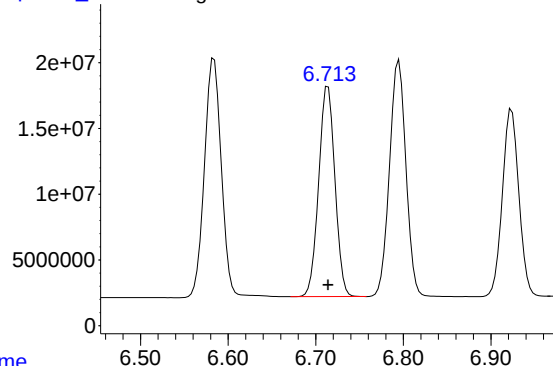
#15 Endosulfan II



R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 990441552
Conc: 75.03 ng/ml

Time Response_ Signal: PD086948.D\ECD1A.ch

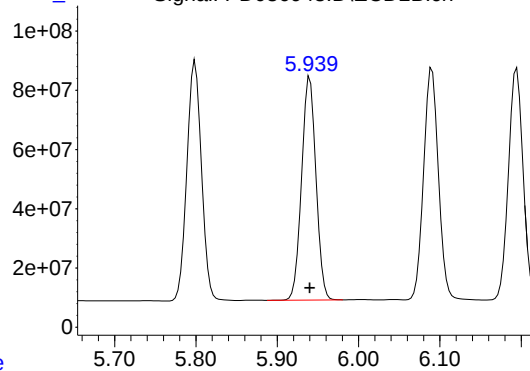
#16 4,4'-DDD



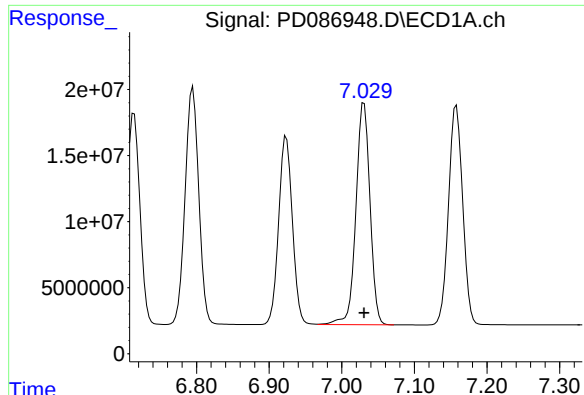
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 206389241
Conc: 75.43 ng/ml

Time Response_ Signal: PD086948.D\ECD2B.ch

#16 4,4'-DDD



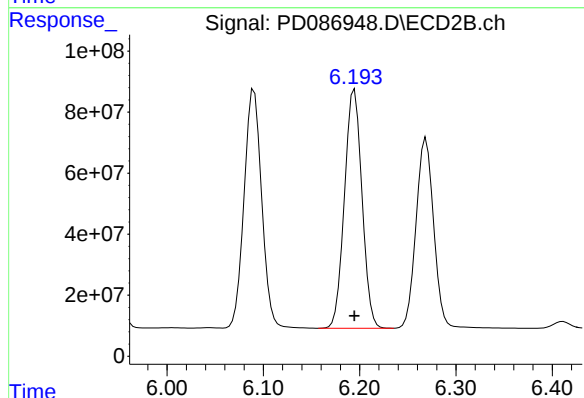
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 922582231
Conc: 75.10 ng/ml



#17 4,4'-DDT

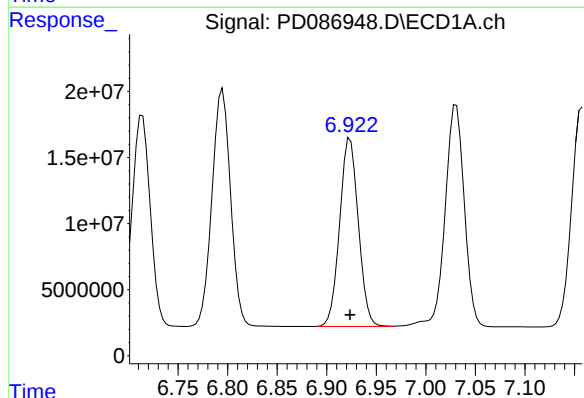
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 226235877
Conc: 75.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



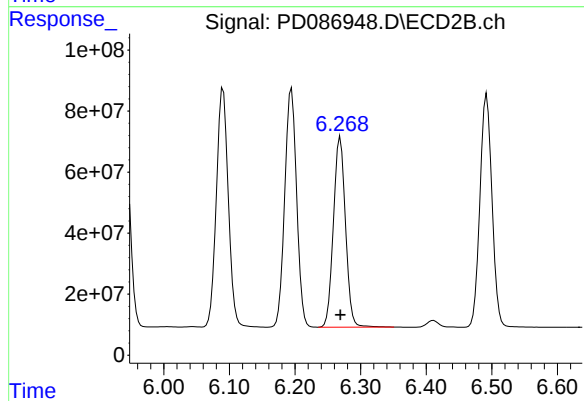
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 984933234
Conc: 75.14 ng/ml



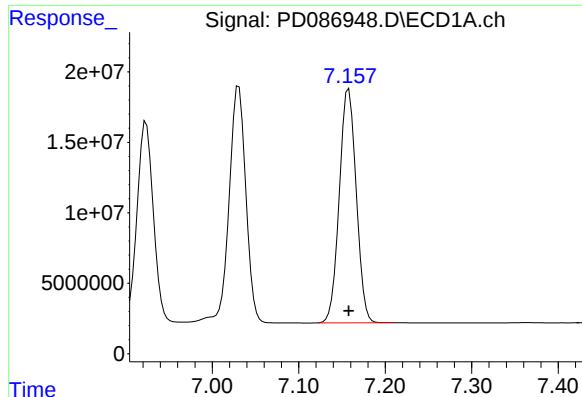
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 187005875
Conc: 75.39 ng/ml



#18 Endrin aldehyde

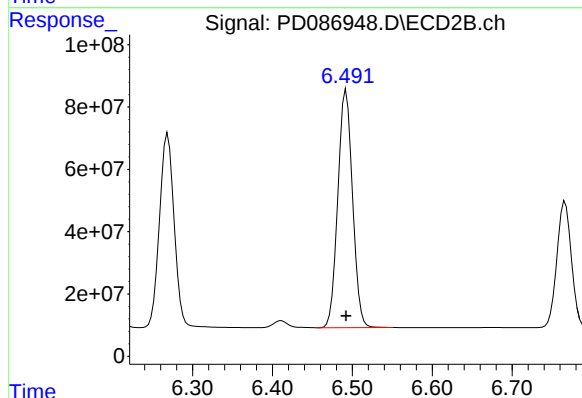
R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 795115607
Conc: 75.04 ng/ml



#19 Endosulfan Sulfate

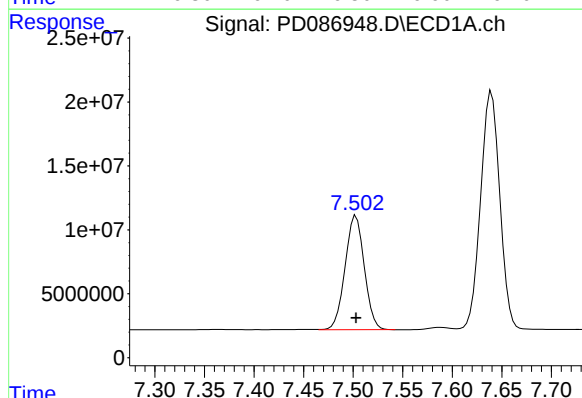
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 224435692
Conc: 75.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



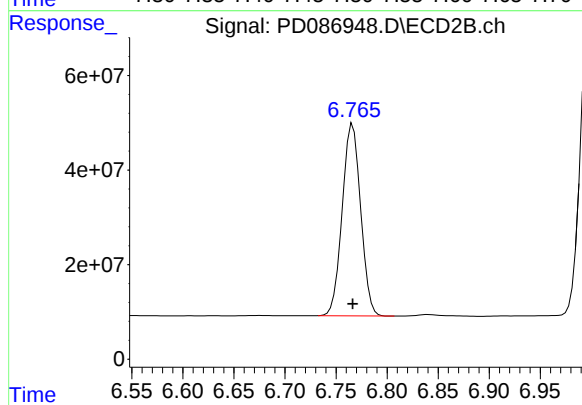
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 974685259
Conc: 75.09 ng/ml



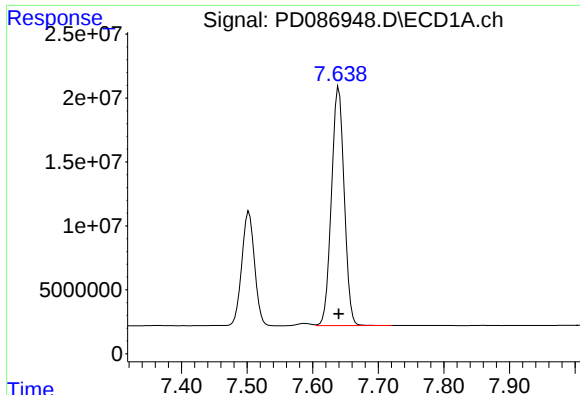
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 120442317
Conc: 75.05 ng/ml



#20 Methoxychlor

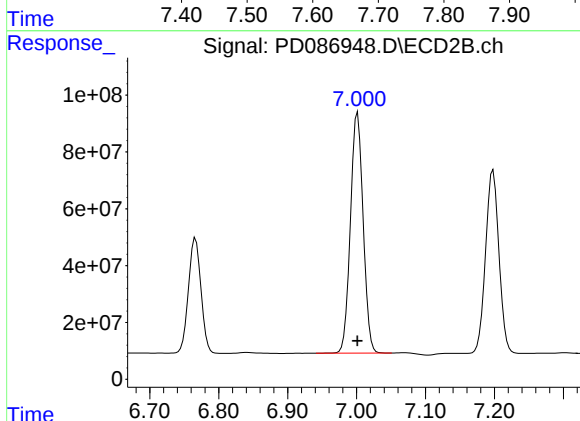
R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 511778457
Conc: 74.87 ng/ml



#21 Endrin ketone

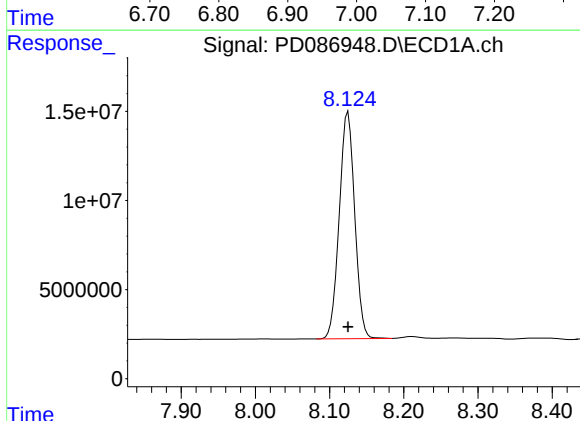
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 251938236
Conc: 75.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



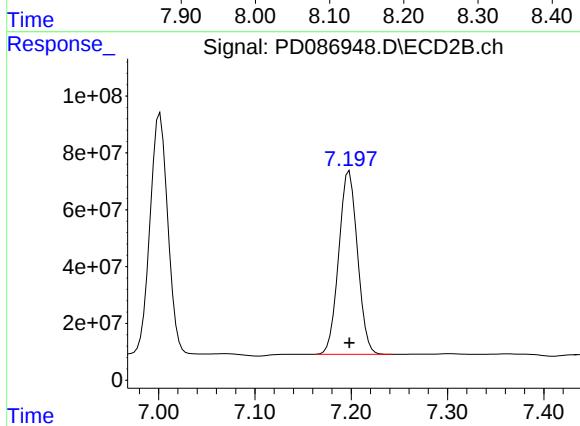
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 1083860601
Conc: 74.99 ng/ml



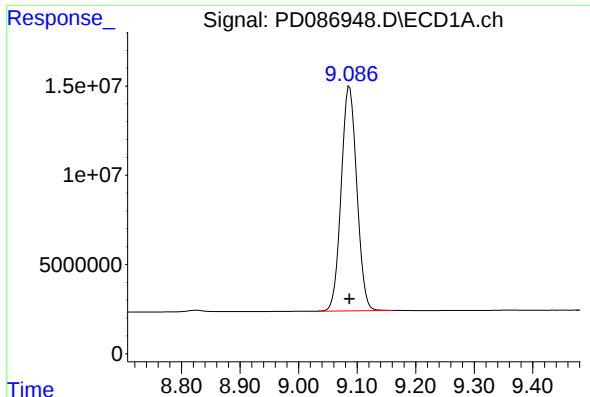
#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 184575023
Conc: 75.03 ng/ml



#22 Mirex

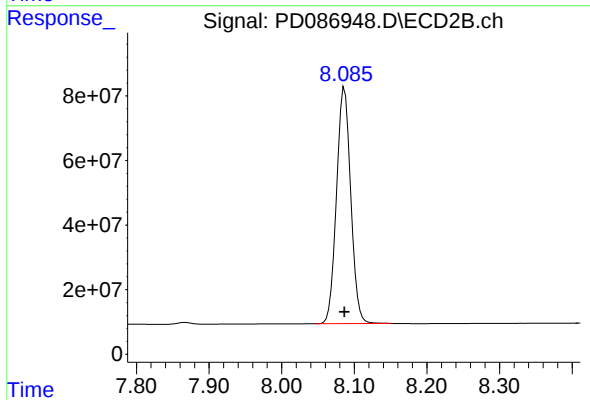
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 871975122
Conc: 74.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.000 min
Response: 233432392
Conc: 75.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 995475407
Conc: 74.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:56
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: Nov 27 12:20:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial 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...	3.557	2.884	102.5E6	577.9E6	50.000	50.000
28) SA Decachlor...	9.089	8.087	161.3E6	696.0E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	4.007	3.398	214.4E6	903.5E6	50.000	50.000
3) MA gamma-BHC...	4.338	3.735	211.1E6	856.9E6	50.000	50.000
4) MA Heptachlor	4.938	4.090	205.7E6	823.9E6	50.000	50.000
5) MB Aldrin	5.280	4.377	214.2E6	851.3E6	50.000	50.000
6) B beta-BHC	4.521	4.030	80293628	361.1E6	50.000	50.000
7) B delta-BHC	4.770	4.268	216.4E6	869.4E6	50.000	50.000
8) B Heptachlo...	5.700	4.881	188.1E6	766.2E6	50.000	50.000
9) A Endosulfan I	6.084	5.257	174.3E6	718.7E6	50.000	50.000
10) B gamma-Chl...	5.955	5.135	184.9E6	788.8E6	50.000	50.000
11) B alpha-Chl...	6.036	5.200	185.9E6	772.7E6	50.000	50.000
12) B 4,4'-DDE	6.205	5.385	171.4E6	771.4E6	50.000	50.000
13) MA Dieldrin	6.357	5.522	189.5E6	793.4E6	50.000	50.000
14) MA Endrin	6.584	5.799	158.5E6	710.7E6	50.000	50.000
15) B Endosulfa...	6.795	6.090	156.3E6	693.0E6	50.000	50.000
16) A 4,4'-DDD	6.714	5.940	136.0E6	639.7E6	50.000	50.000
17) MA 4,4'-DDT	7.031	6.194	149.3E6	683.0E6	50.000	50.000
18) B Endrin al...	6.924	6.269	126.3E6	558.9E6	50.000	50.000
19) B Endosulfa...	7.158	6.493	150.8E6	682.1E6	50.000	50.000
20) A Methoxychlor	7.503	6.767	82471871	363.6E6	50.000	50.000
21) B Endrin ke...	7.640	7.002	169.1E6	760.9E6	50.000	50.000
22) Mirex	8.125	7.198	126.9E6	615.0E6	50.000	50.000

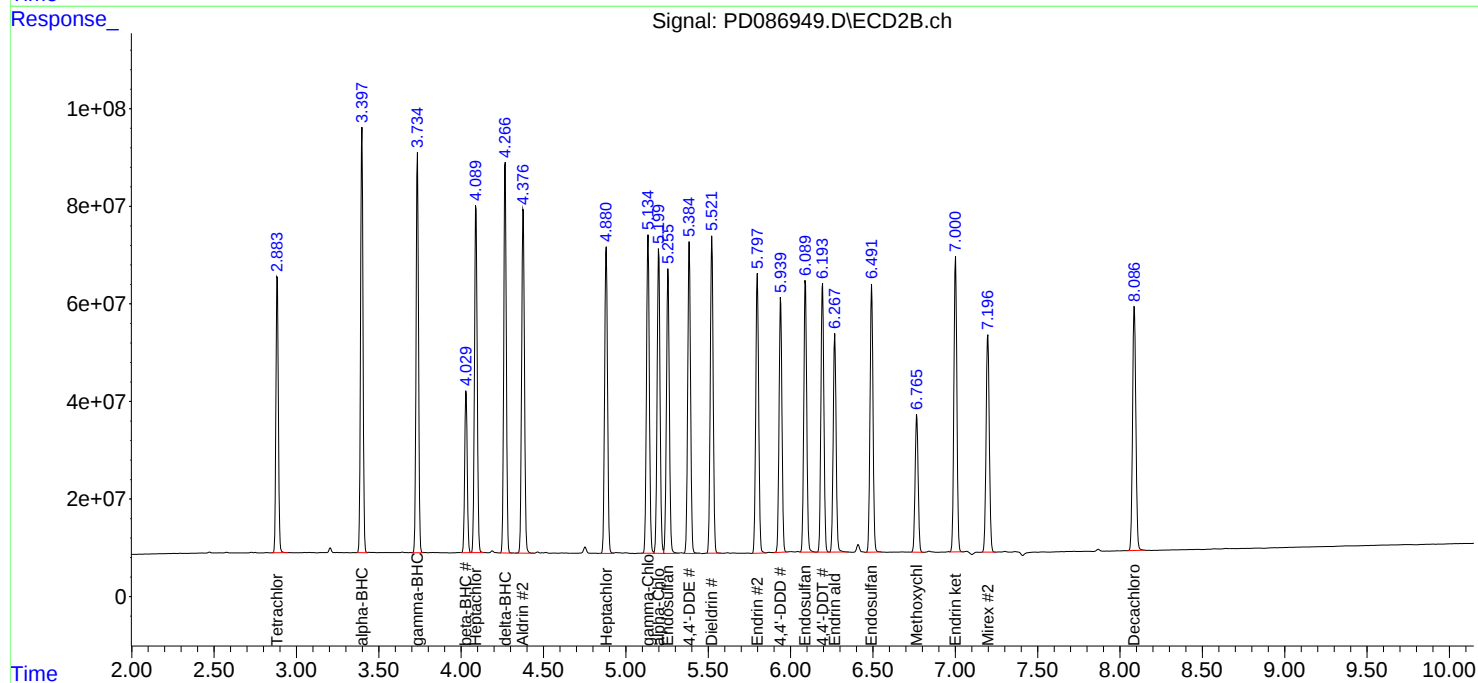
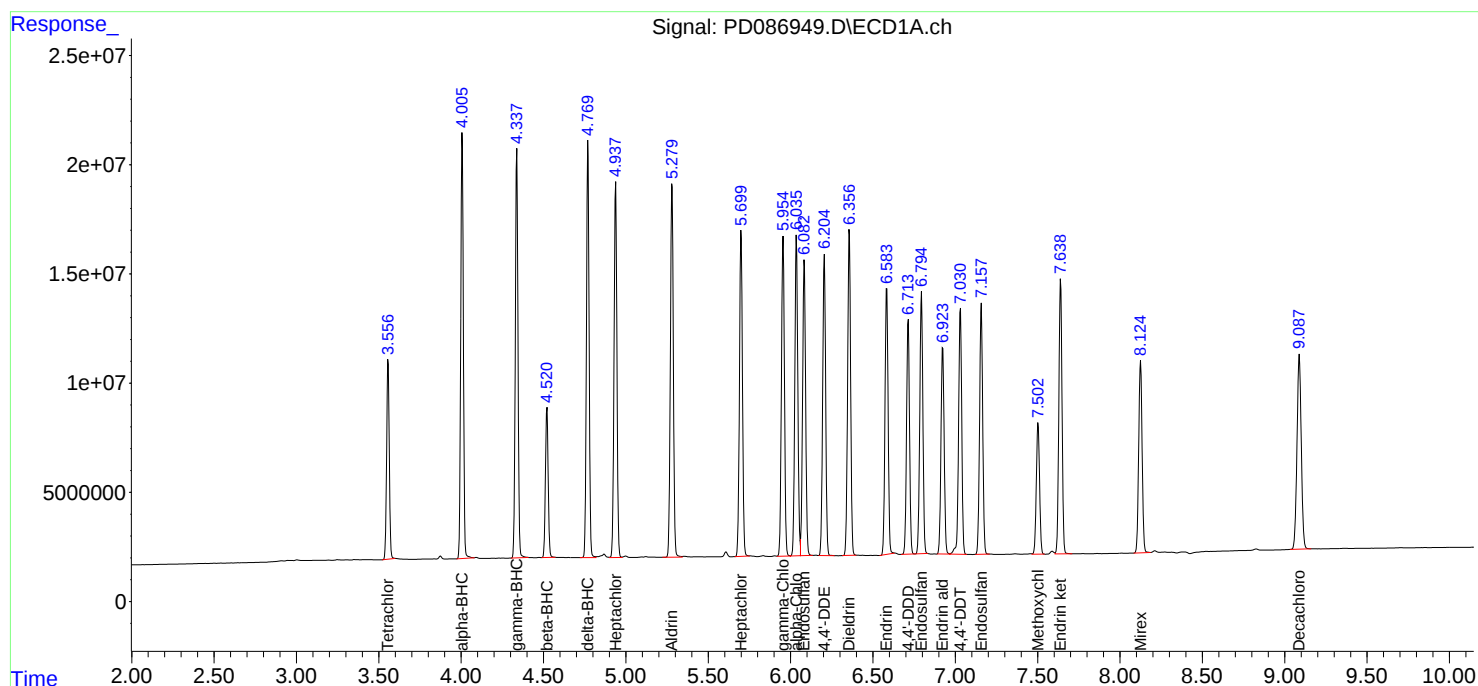
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:56
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

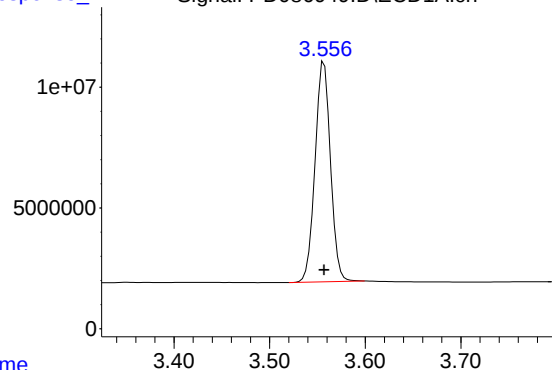
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:20:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086949.D\ECD1A.ch

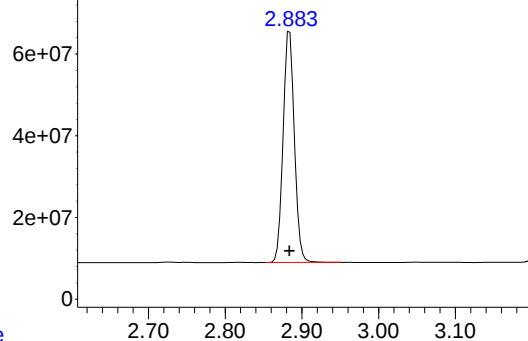


#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 102518772
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

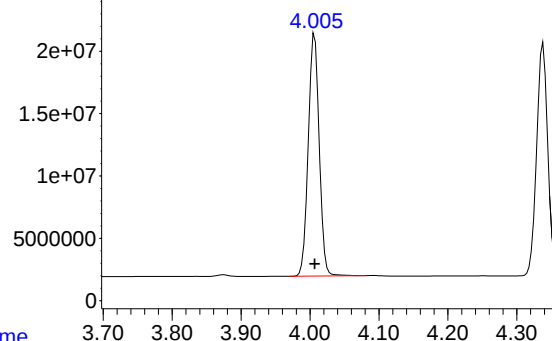
Time Response_ Signal: PD086949.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 577887459
Conc: 50.00 ng/ml

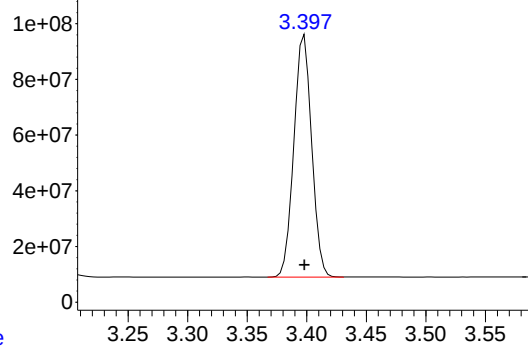
Time Response_ Signal: PD086949.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 214393582
Conc: 50.00 ng/ml

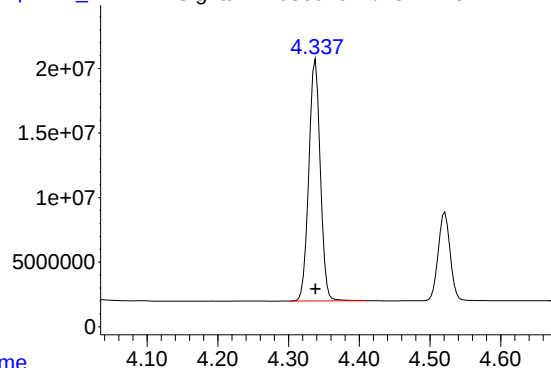
Time Response_ Signal: PD086949.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 903533188
Conc: 50.00 ng/ml

Response_ Signal: PD086949.D\ECD1A.ch

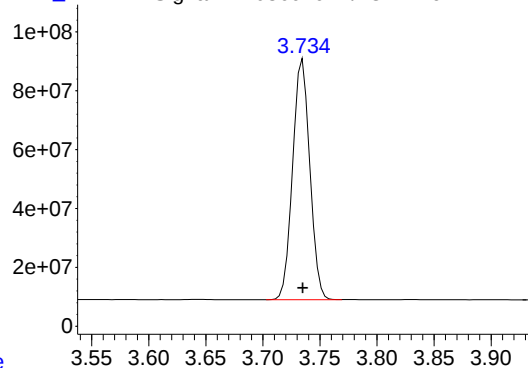


#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 211148317
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

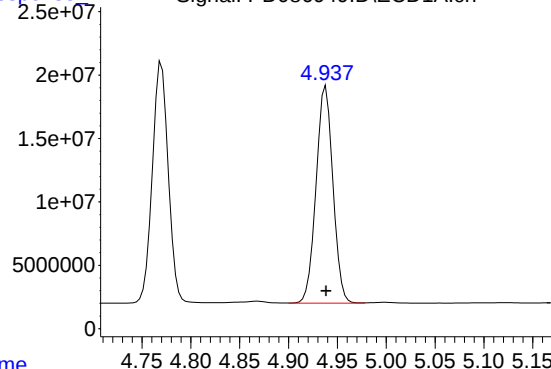
Time Response_ Signal: PD086949.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 856928576
Conc: 50.00 ng/ml

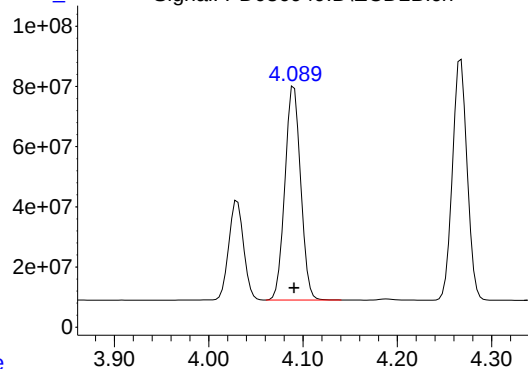
Time Response_ Signal: PD086949.D\ECD1A.ch



#4 Heptachlor

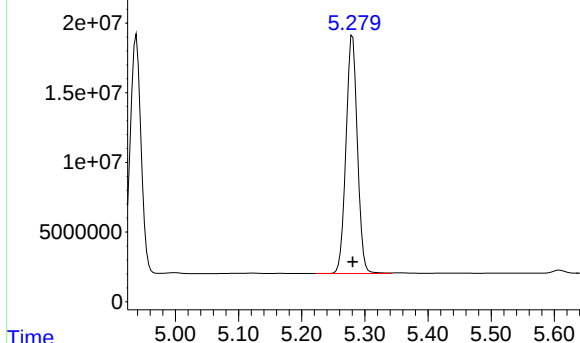
R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 205715098
Conc: 50.00 ng/ml

Time Response_ Signal: PD086949.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 823928120
Conc: 50.00 ng/ml



R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 214191916
Conc: 50.00 ng/ml

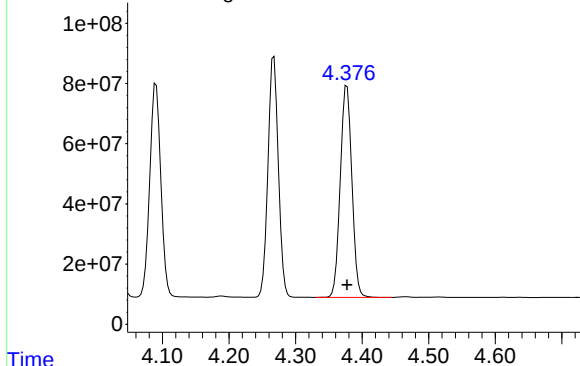
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD086949.D\ECD2B.ch

#5 Aldrin



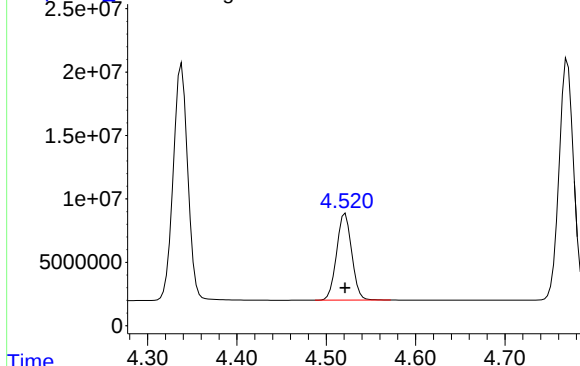
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 851290577
Conc: 50.00 ng/ml

Time

Response_

Signal: PD086949.D\ECD1A.ch

#6 beta-BHC



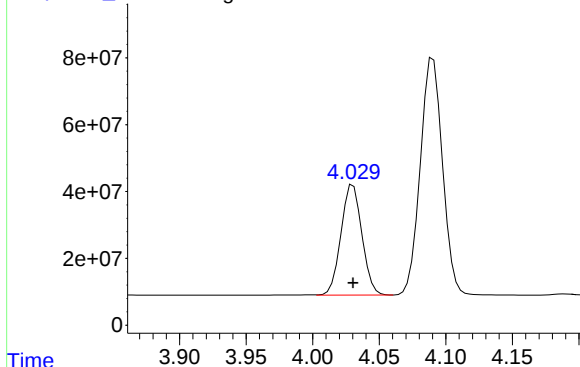
R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 80293628
Conc: 50.00 ng/ml

Time

Response_

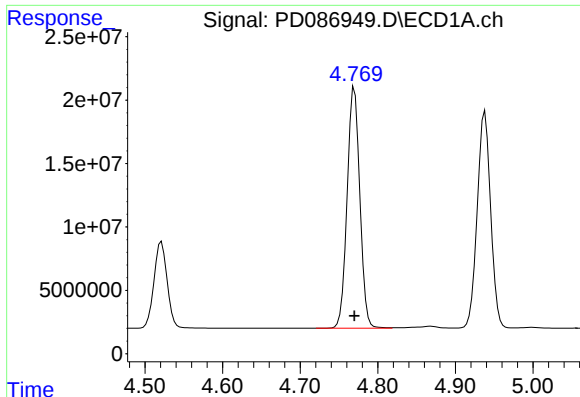
Signal: PD086949.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 361139462
Conc: 50.00 ng/ml

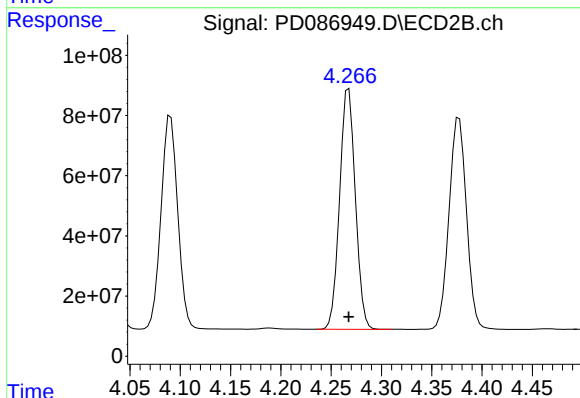
Time



#7 delta-BHC

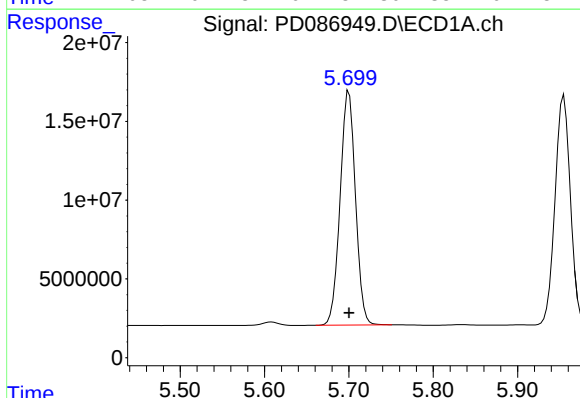
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 216363649
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



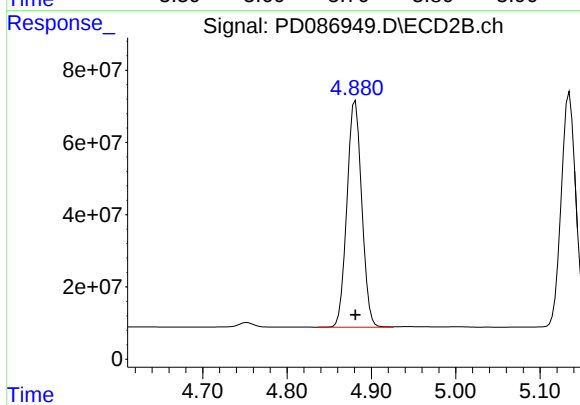
#7 delta-BHC

R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 869413092
Conc: 50.00 ng/ml



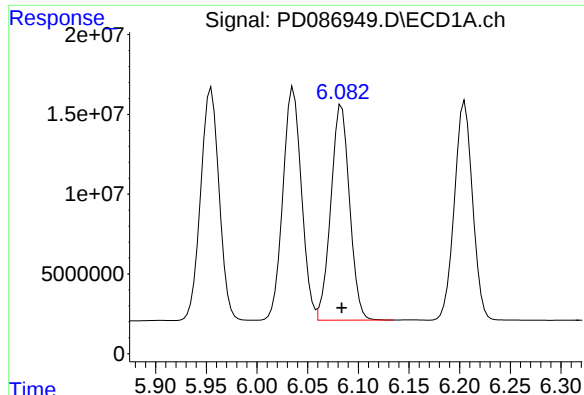
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 188069302
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

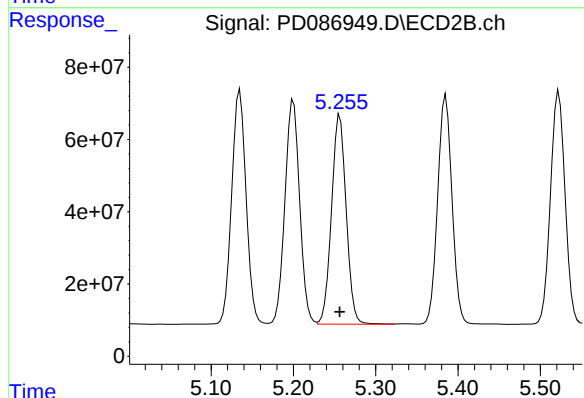
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 766232439
Conc: 50.00 ng/ml



#9 Endosulfan I

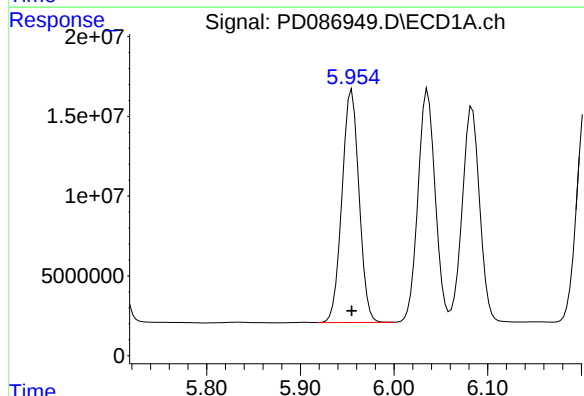
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 174257406
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



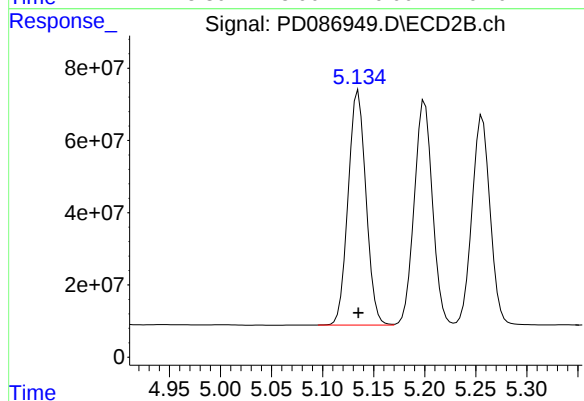
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 718665438
Conc: 50.00 ng/ml



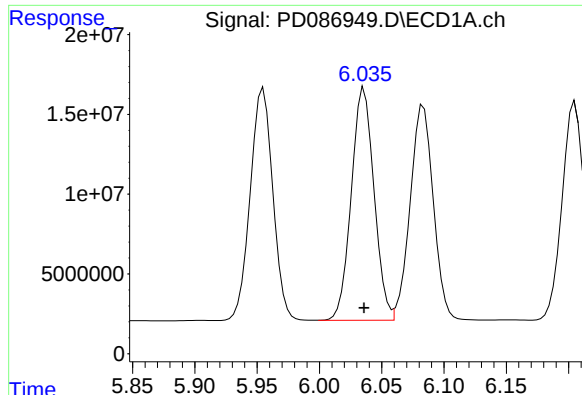
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 184894848
Conc: 50.00 ng/ml



#10 gamma-Chlordane

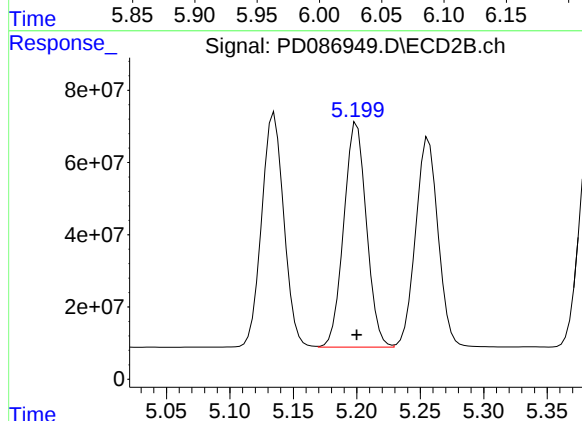
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 788803947
Conc: 50.00 ng/ml



#11 alpha-Chlordane

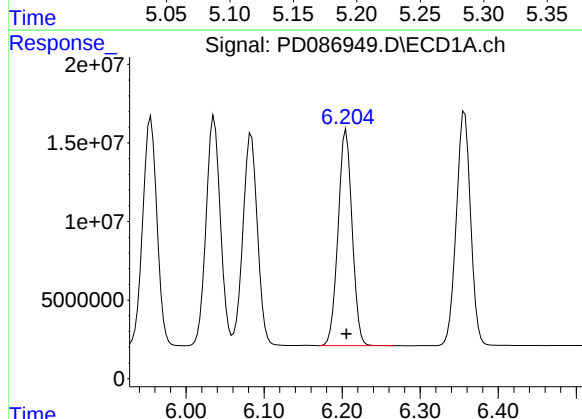
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 185883388
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



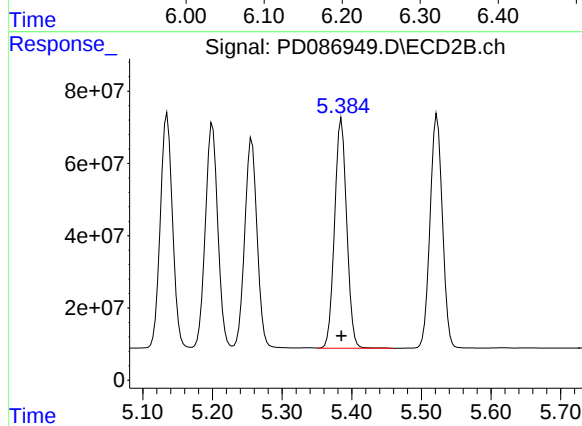
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 772670299
Conc: 50.00 ng/ml



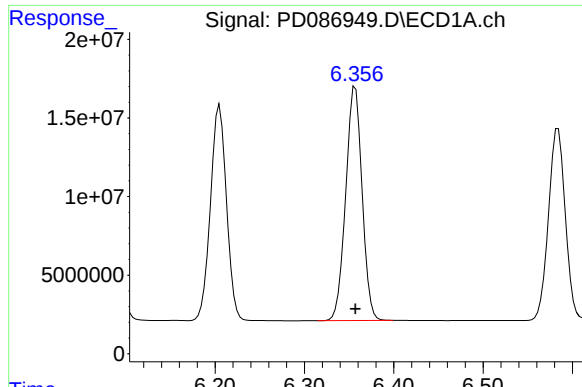
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 171420110
Conc: 50.00 ng/ml



#12 4,4'-DDE

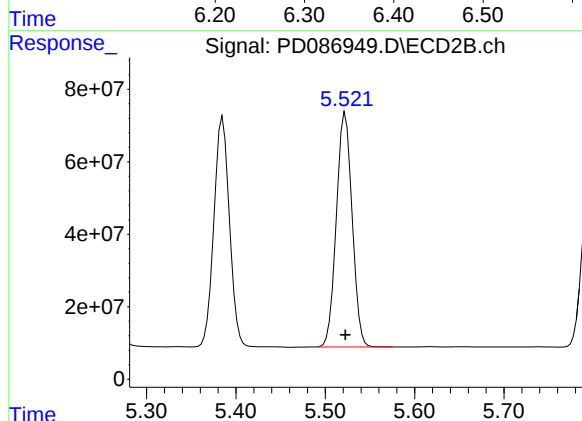
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 771373645
Conc: 50.00 ng/ml



#13 Dieldrin

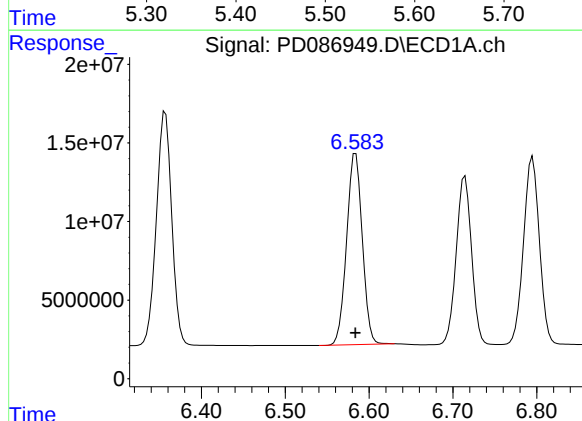
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 189524756
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



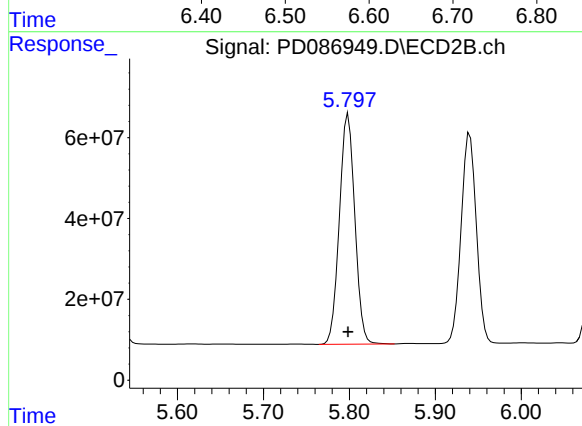
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 793419621
Conc: 50.00 ng/ml



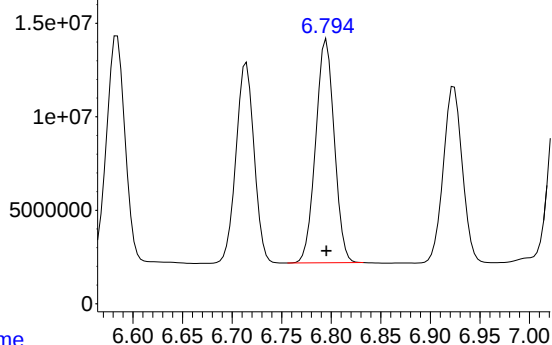
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 158537229
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 710694717
Conc: 50.00 ng/ml



R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 156268178
Conc: 50.00 ng/ml

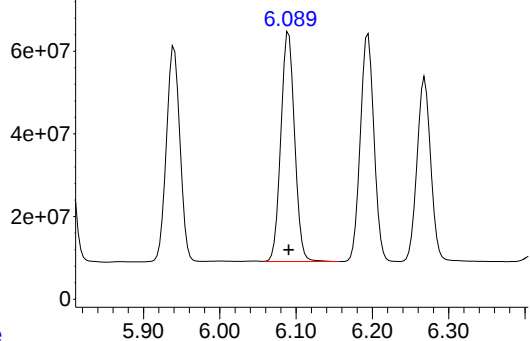
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD086949.D\ECD2B.ch

#15 Endosulfan II



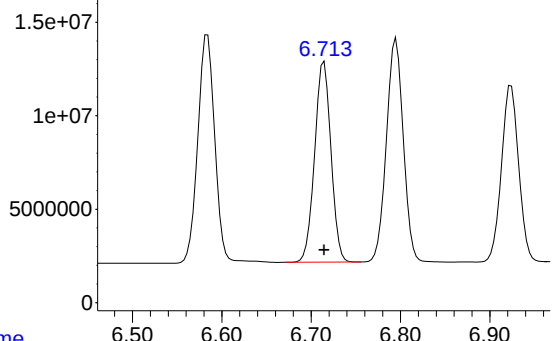
R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 693035941
Conc: 50.00 ng/ml

Time

Response_

Signal: PD086949.D\ECD1A.ch

#16 4,4'-DDD



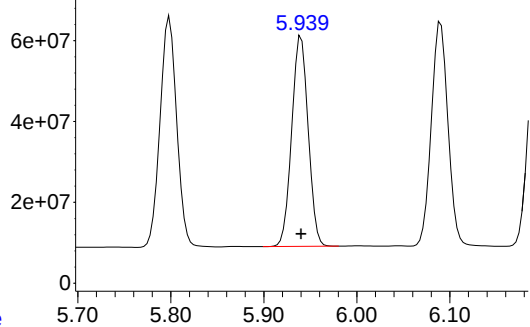
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 136024809
Conc: 50.00 ng/ml

Time

Response_

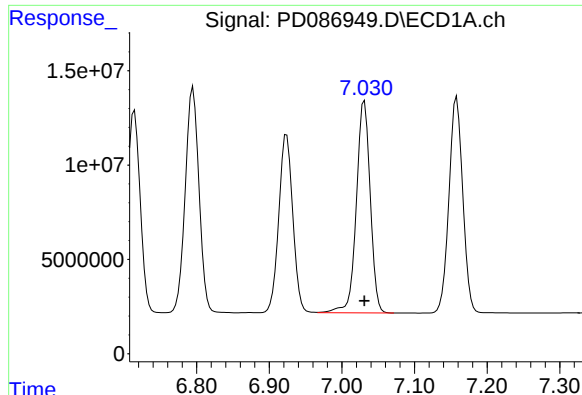
Signal: PD086949.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 639696518
Conc: 50.00 ng/ml

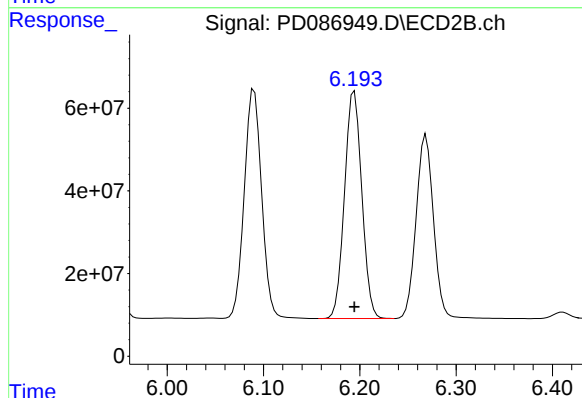
Time



#17 4,4'-DDT

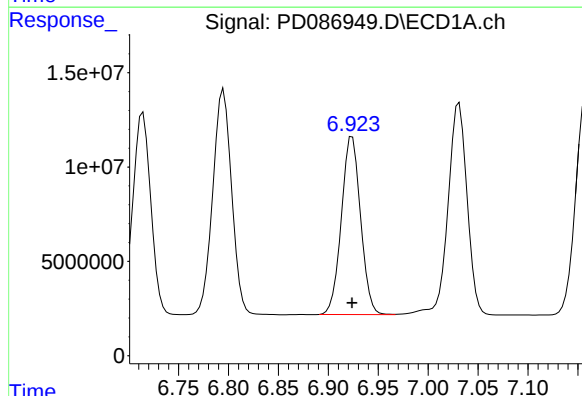
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 149309078
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



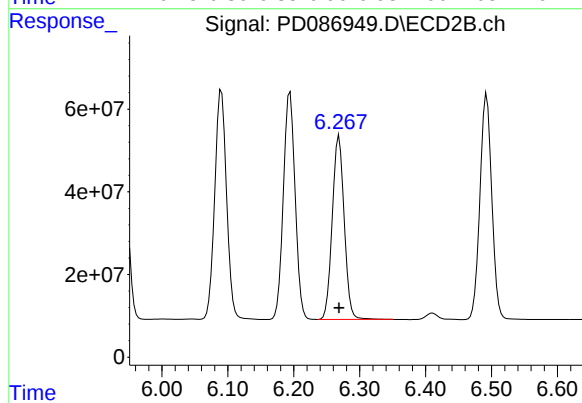
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 683031744
Conc: 50.00 ng/ml



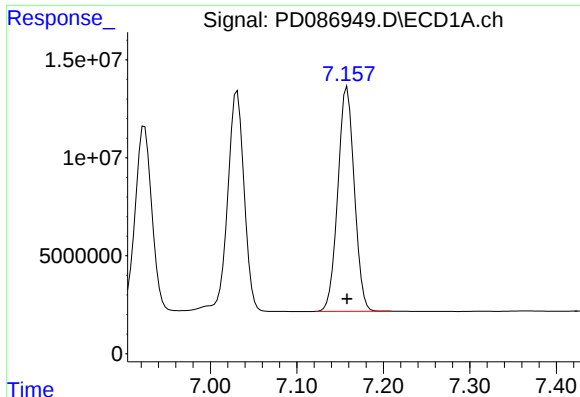
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 126323937
Conc: 50.00 ng/ml



#18 Endrin aldehyde

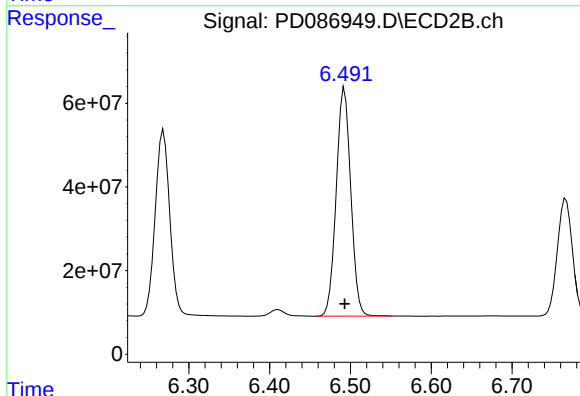
R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 558875708
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

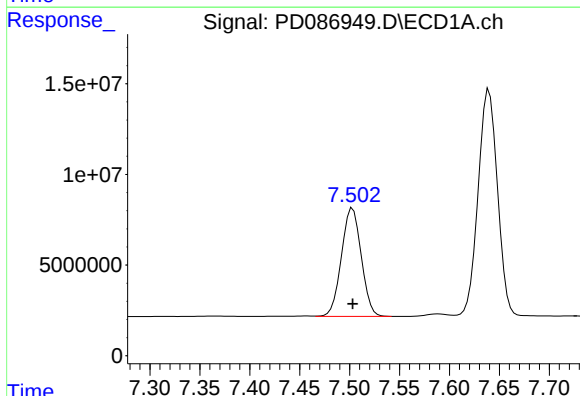
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 150762521
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



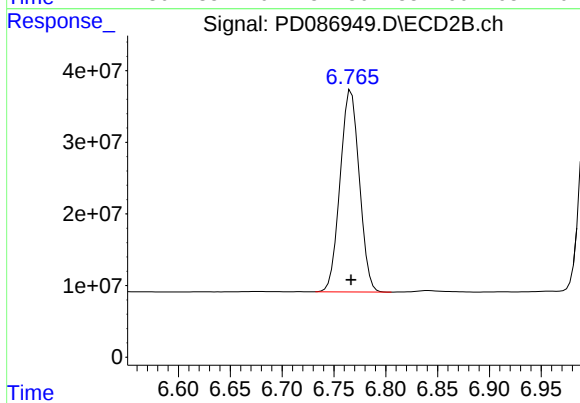
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 682129127
Conc: 50.00 ng/ml



#20 Methoxychlor

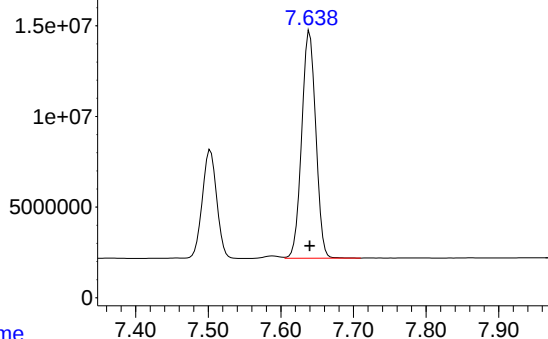
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 82471871
Conc: 50.00 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 363589932
Conc: 50.00 ng/ml

Response_ Signal: PD086949.D\ECD1A.ch

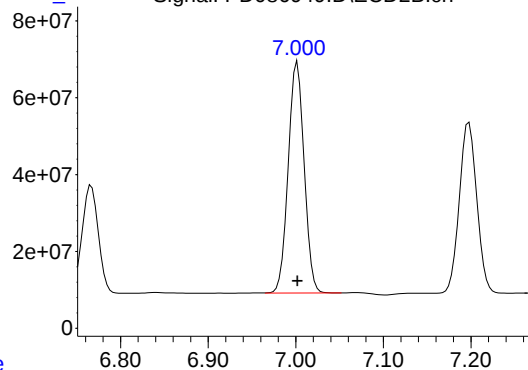


#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 169072264
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

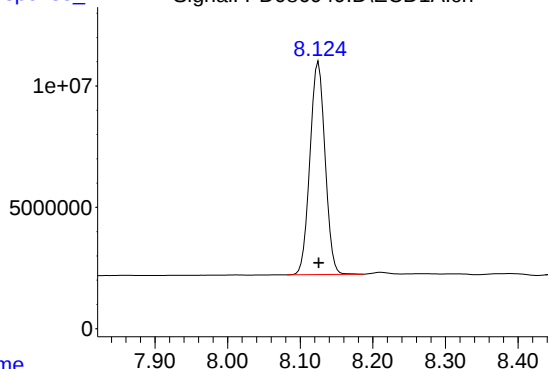
Time Response_ Signal: PD086949.D\ECD2B.ch



#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 760885709
Conc: 50.00 ng/ml

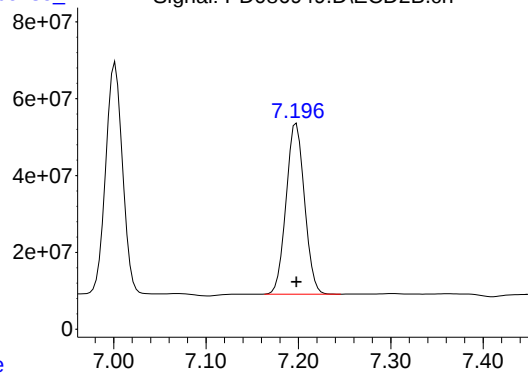
Time Response_ Signal: PD086949.D\ECD1A.ch



#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 126928664
Conc: 50.00 ng/ml

Time Response_ Signal: PD086949.D\ECD2B.ch



#22 Mirex

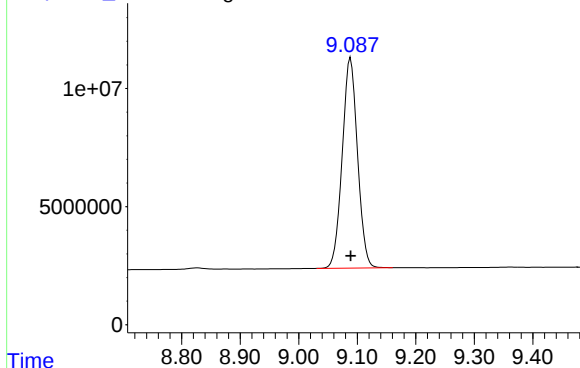
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 614953871
Conc: 50.00 ng/ml

Response_

Signal: PD086949.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 161260634
Conc: 50.00 ng/ml

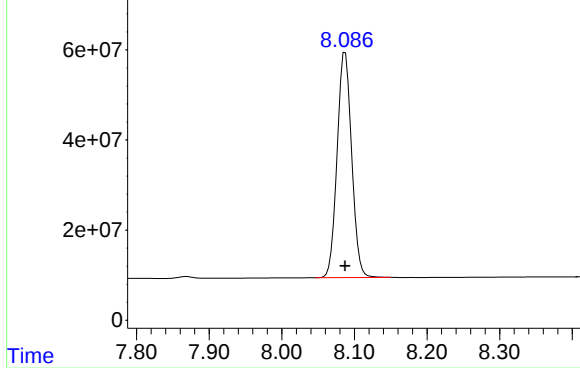
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD086949.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 695995018
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
 Data File : PD086950.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Nov 2024 12:10
 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: Nov 27 12:25:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 12:19:59 2024
 Response via : Initial 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...	3.557	2.884	51072538	300.2E6	25.138	26.505
28)	SA Decachlor...	9.089	8.087	83891341	368.4E6	26.452	27.004
Target Compounds							
2)	A alpha-BHC	4.007	3.398	98362860	459.3E6	23.048	25.894
3)	MA gamma-BHC...	4.338	3.735	98478131	439.1E6	23.454	26.114
4)	MA Heptachlor	4.939	4.090	97673724	428.3E6	23.913	26.612
5)	MB Aldrin	5.281	4.377	101.6E6	439.7E6	23.916	26.413
6)	B beta-BHC	4.521	4.030	40619492	189.8E6	25.627	26.859
7)	B delta-BHC	4.770	4.268	99734121	444.2E6	23.183	26.075
8)	B Heptachlo...	5.701	4.882	90721369	399.6E6	24.339	26.729
9)	A Endosulfan I	6.084	5.257	84761362	374.9E6	24.573	26.768
10)	B gamma-Chl...	5.955	5.136	88401912	408.4E6	24.117	26.432
11)	B alpha-Chl...	6.037	5.200	89912997	402.3E6	24.403	26.625
12)	B 4,4'-DDE	6.205	5.386	80922955	395.9E6	23.774	26.307
13)	MA Dieldrin	6.357	5.523	90173935	412.0E6	24.009	26.567
14)	MA Endrin	6.584	5.799	75529041	372.2E6	23.977	26.774
15)	B Endosulfa...	6.796	6.091	76076750	363.1E6	24.690	26.832
16)	A 4,4'-DDD	6.714	5.940	64828245	332.5E6	24.007	26.518
17)	MA 4,4'-DDT	7.031	6.195	71268419	353.0E6	24.097	26.419
18)	B Endrin al...	6.925	6.269	62918825	295.3E6	25.274	27.092
19)	B Endosulfa...	7.159	6.493	74222622	358.6E6	24.923	26.919
20)	A Methoxychlor	7.503	6.767	41939265	193.6E6	25.840	27.408
21)	B Endrin ke...	7.640	7.001	82876493	401.6E6	24.828	27.036
22)	Mirex	8.125	7.198	65408338	327.3E6	26.174	27.234

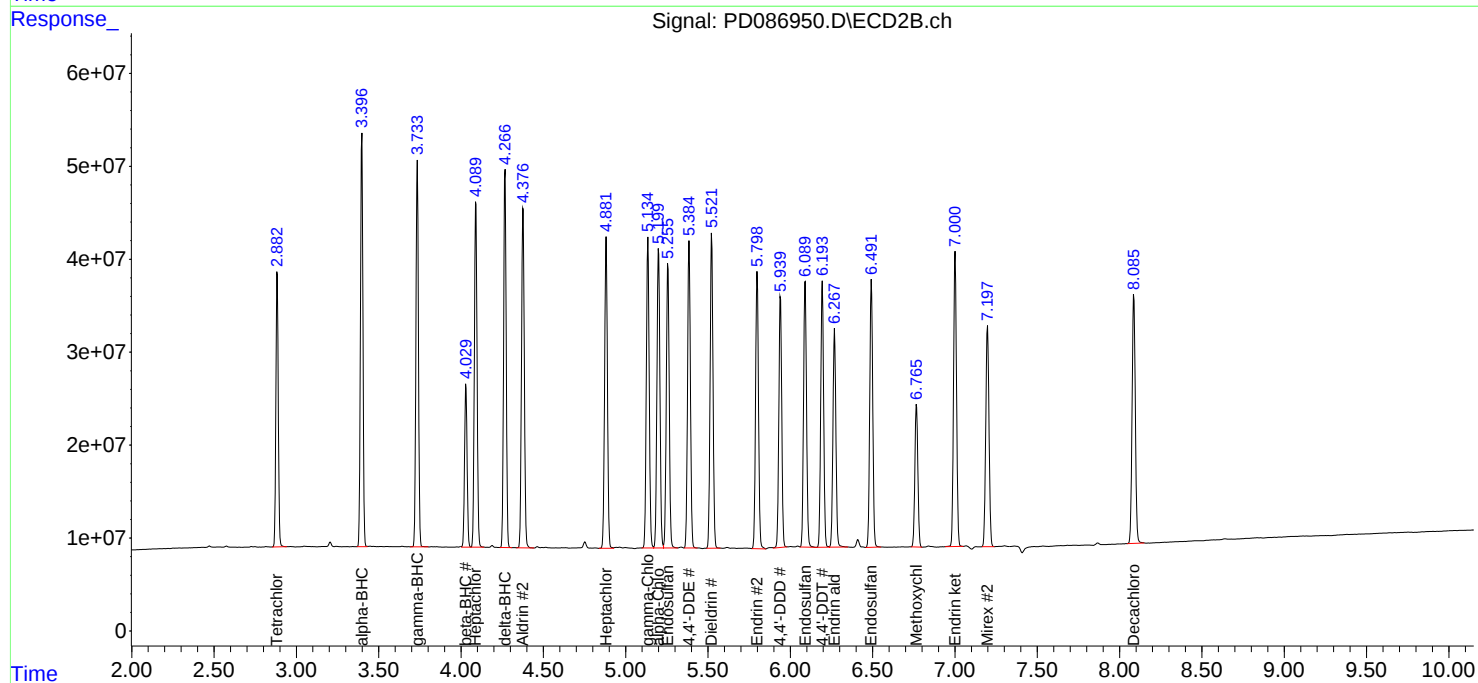
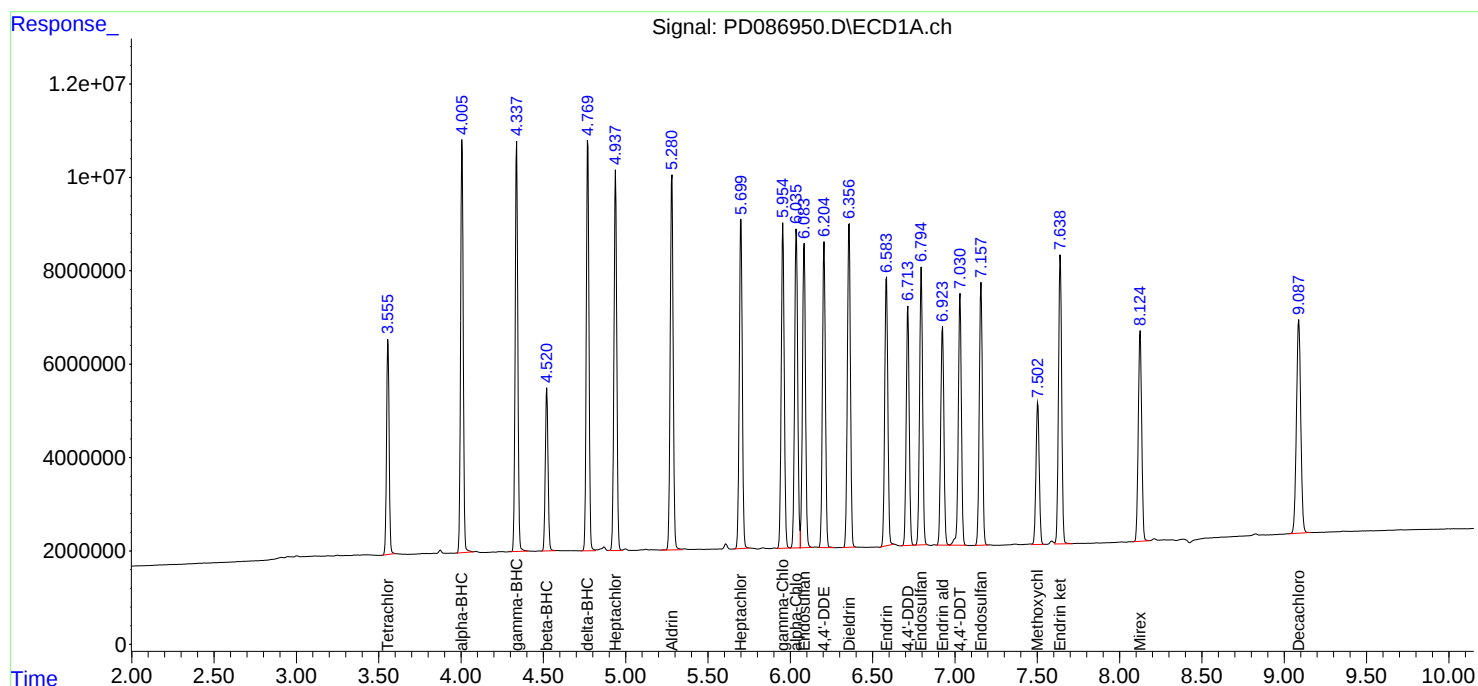
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

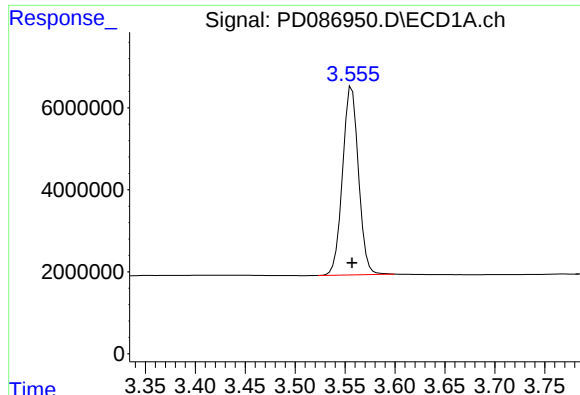
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 12:10
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:19:59 2024
Response via : Initial 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

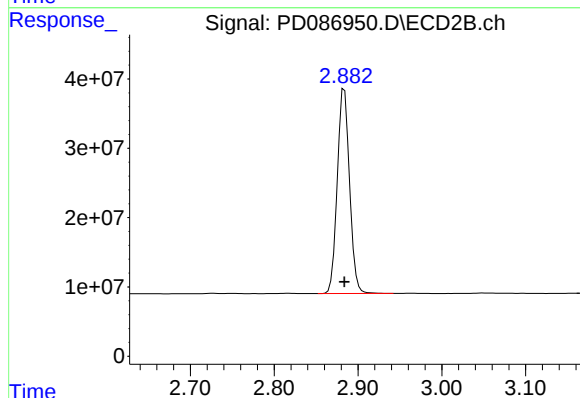




#1 Tetrachloro-m-xylene

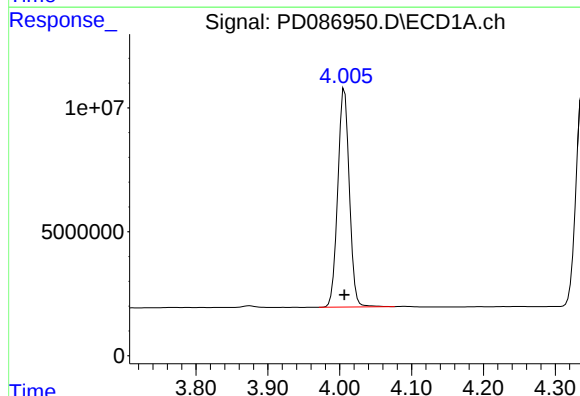
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 51072538
Conc: 25.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



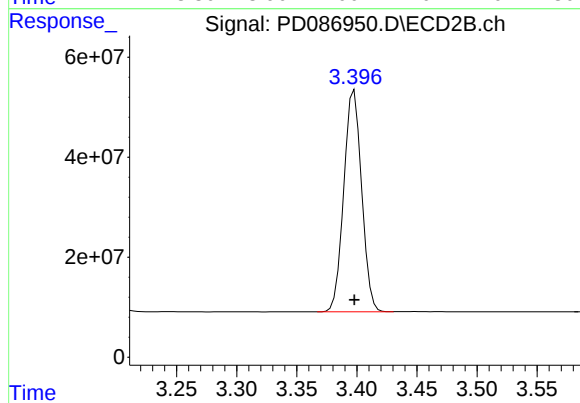
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 300229808
Conc: 26.50 ng/ml



#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 98362860
Conc: 23.05 ng/ml



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 459292444
Conc: 25.89 ng/ml

Response_

Signal: PD086950.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 98478131
Conc: 23.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD086950.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 439054049
Conc: 26.11 ng/ml

Time

Response_

Signal: PD086950.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 97673724
Conc: 23.91 ng/ml

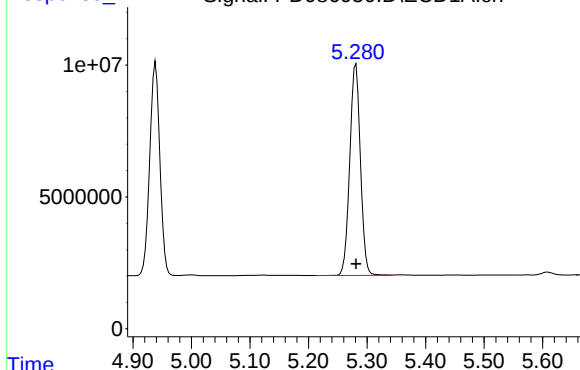
Time

Response_

Signal: PD086950.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 428319205
Conc: 26.61 ng/ml



R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 101601409
Conc: 23.92 ng/ml

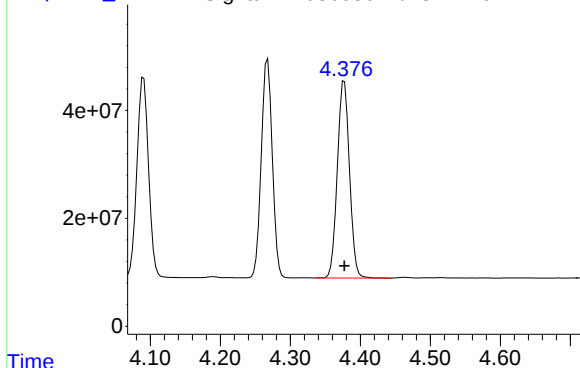
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD086950.D\ECD2B.ch

#5 Aldrin



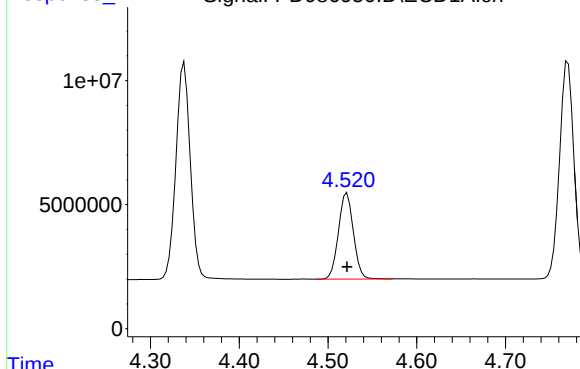
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 439735076
Conc: 26.41 ng/ml

Time

Response_

Signal: PD086950.D\ECD1A.ch

#6 beta-BHC



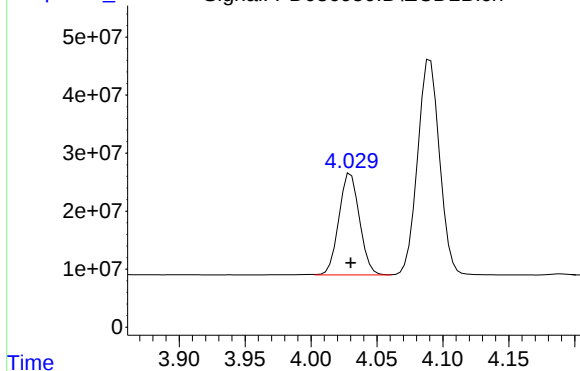
R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 40619492
Conc: 25.63 ng/ml

Time

Response_

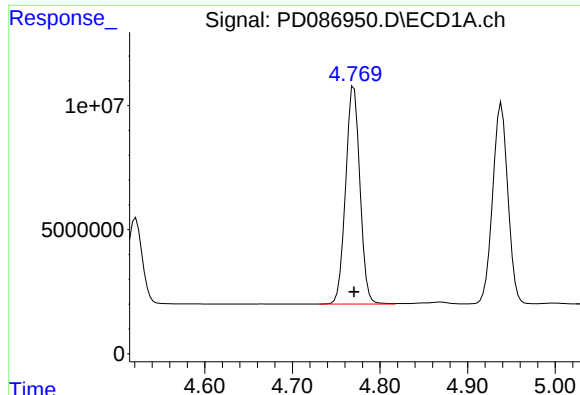
Signal: PD086950.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 189785450
Conc: 26.86 ng/ml

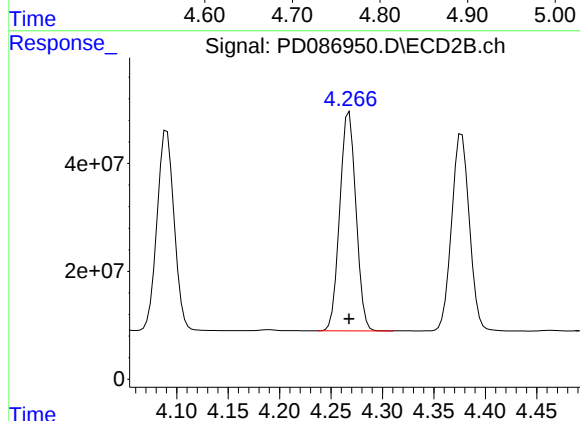
Time



#7 delta-BHC

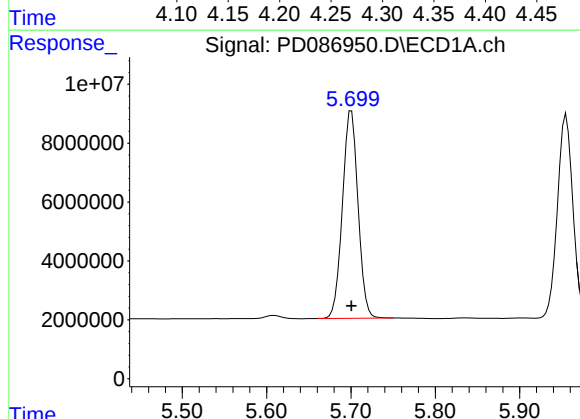
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 99734121
Conc: 23.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



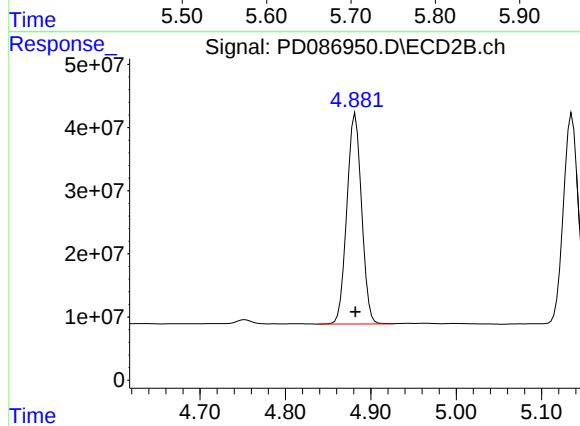
#7 delta-BHC

R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 444172197
Conc: 26.08 ng/ml



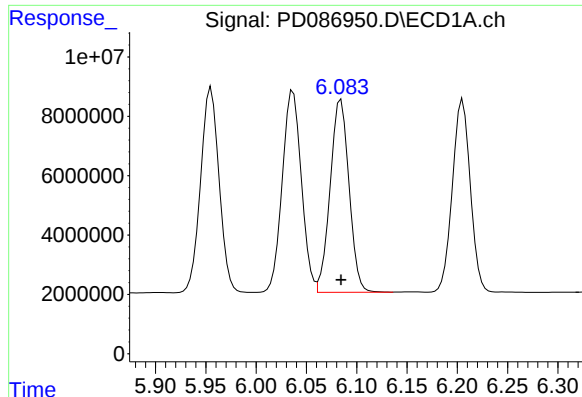
#8 Heptachlor epoxide

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 90721369
Conc: 24.34 ng/ml



#8 Heptachlor epoxide

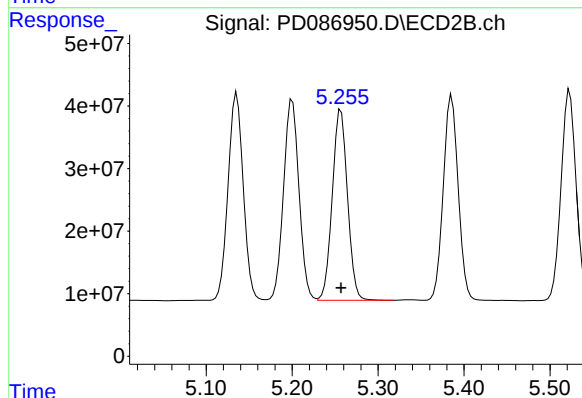
R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 399585732
Conc: 26.73 ng/ml



#9 Endosulfan I

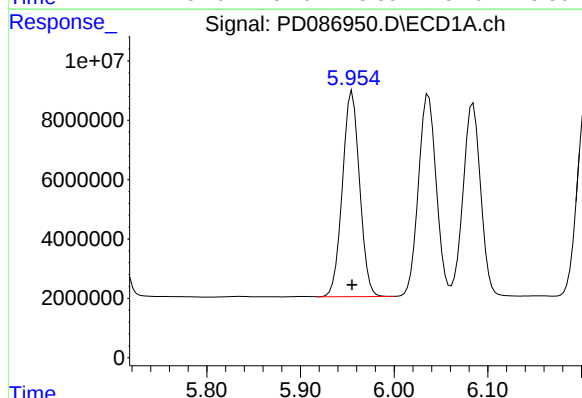
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 84761362
Conc: 24.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



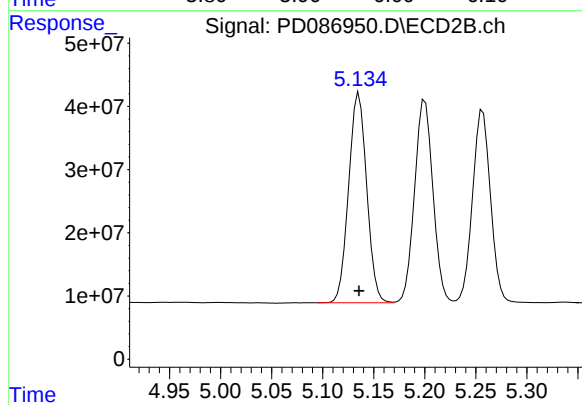
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 374929909
Conc: 26.77 ng/ml



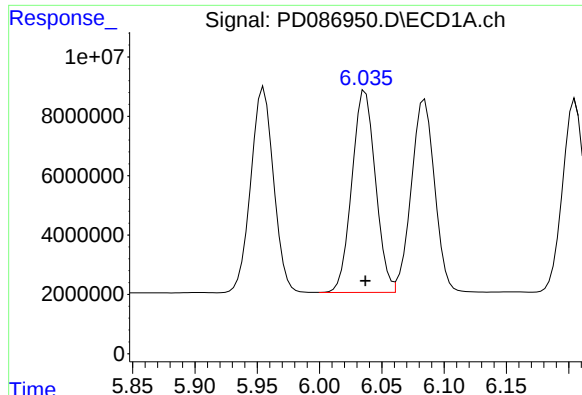
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 88401912
Conc: 24.12 ng/ml



#10 gamma-Chlordane

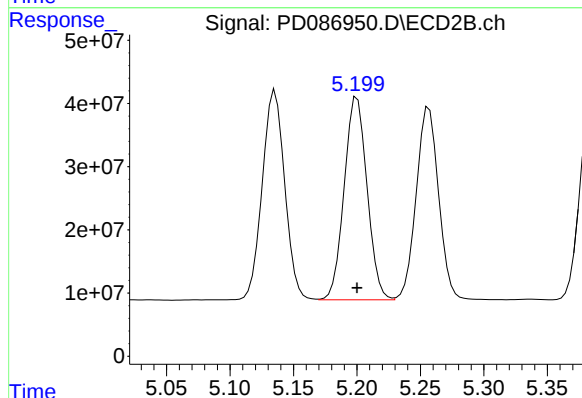
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 408359335
Conc: 26.43 ng/ml



#11 alpha-Chlordane

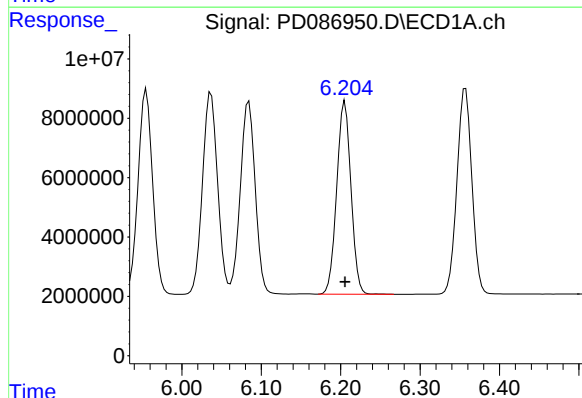
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 89912997
Conc: 24.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



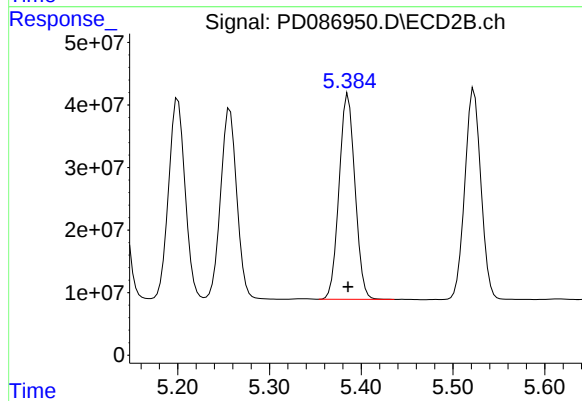
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 402291398
Conc: 26.62 ng/ml



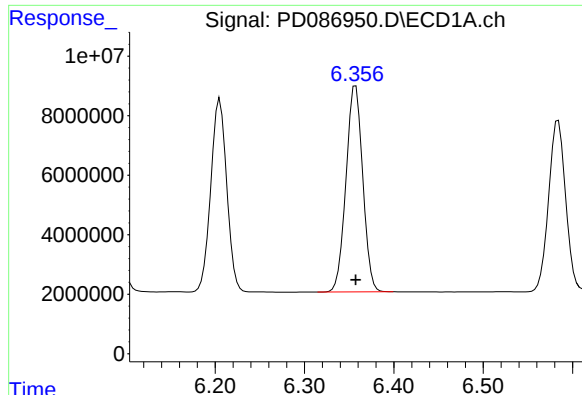
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 80922955
Conc: 23.77 ng/ml



#12 4,4'-DDE

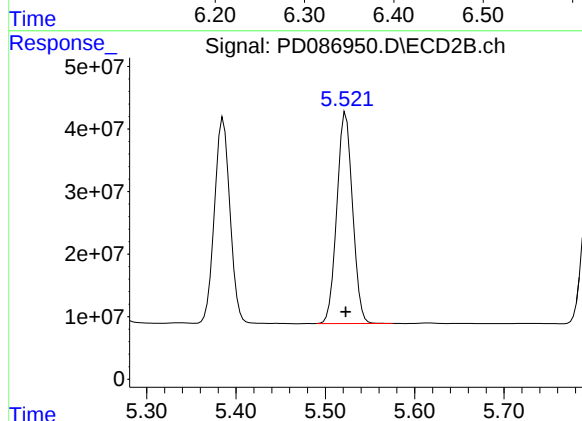
R.T.: 5.386 min
Delta R.T.: 0.000 min
Response: 395911436
Conc: 26.31 ng/ml



#13 Dieldrin

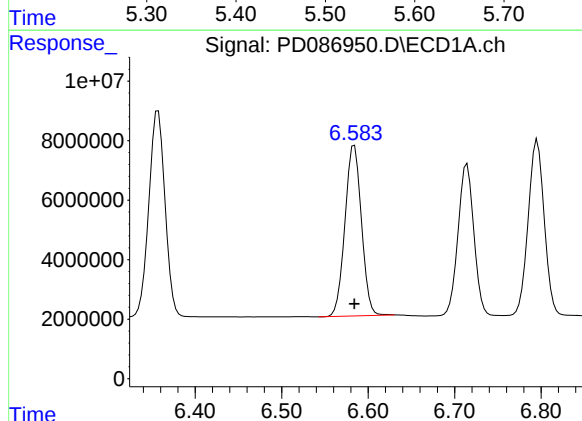
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 90173935
Conc: 24.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



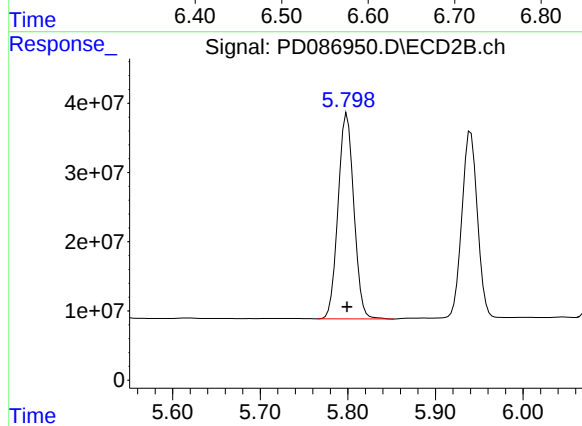
#13 Dieldrin

R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 411965570
Conc: 26.57 ng/ml



#14 Endrin

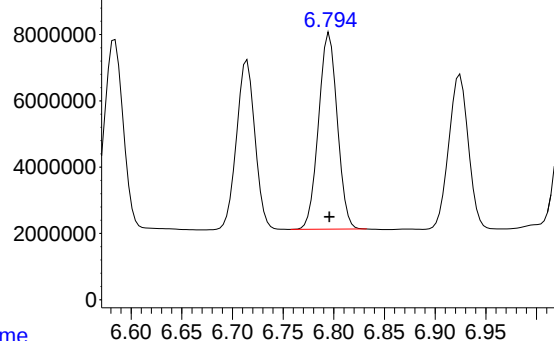
R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 75529041
Conc: 23.98 ng/ml



#14 Endrin

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 372201070
Conc: 26.77 ng/ml

Response_ Signal: PD086950.D\ECD1A.ch

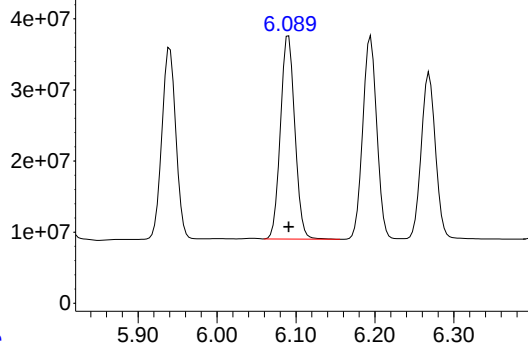


#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 76076750
Conc: 24.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

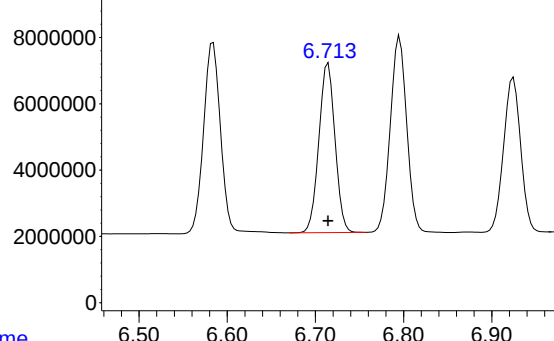
Time Response_ Signal: PD086950.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: 0.000 min
Response: 363060414
Conc: 26.83 ng/ml

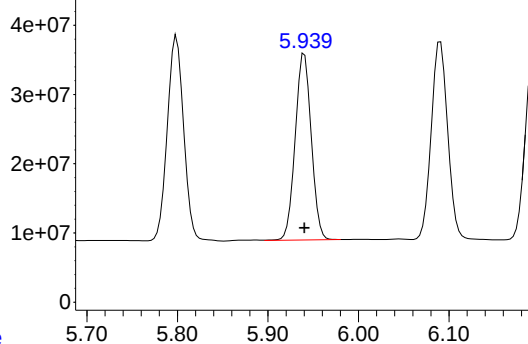
Time Response_ Signal: PD086950.D\ECD1A.ch



#16 4,4'-DDD

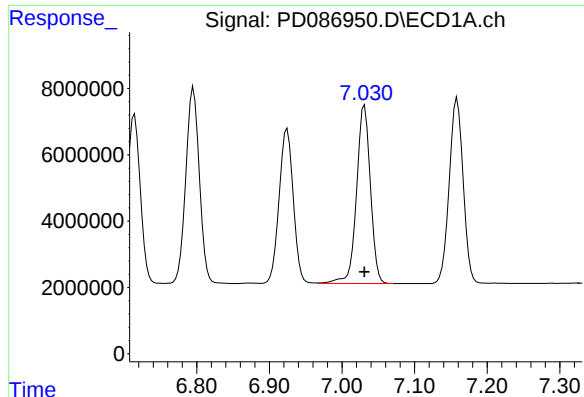
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 64828245
Conc: 24.01 ng/ml

Time Response_ Signal: PD086950.D\ECD2B.ch



#16 4,4'-DDD

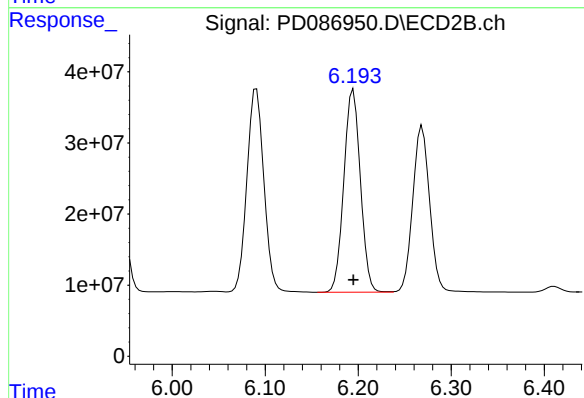
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 332509667
Conc: 26.52 ng/ml



#17 4,4'-DDT

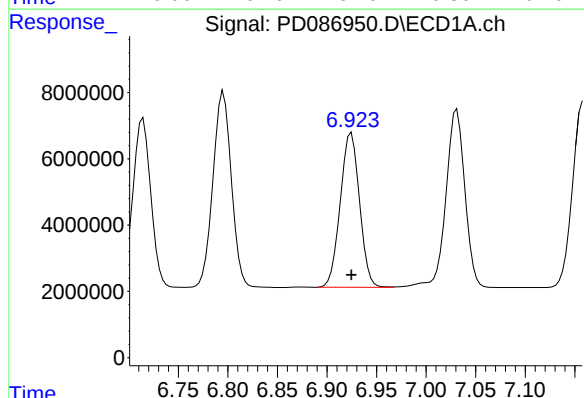
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 71268419
Conc: 24.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



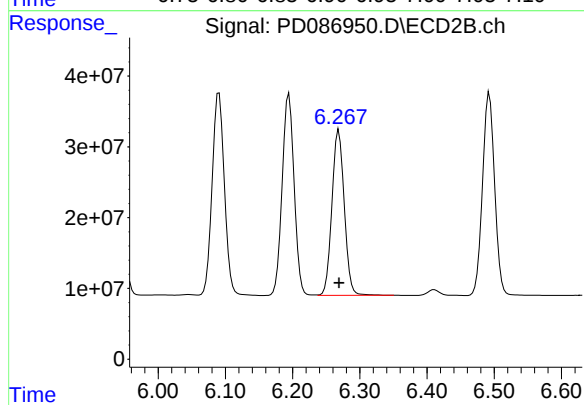
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 352971868
Conc: 26.42 ng/ml



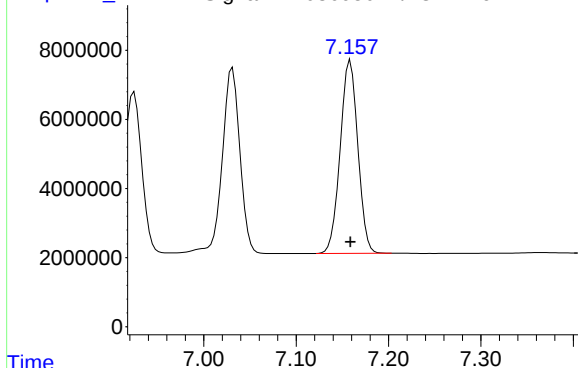
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 62918825
Conc: 25.27 ng/ml



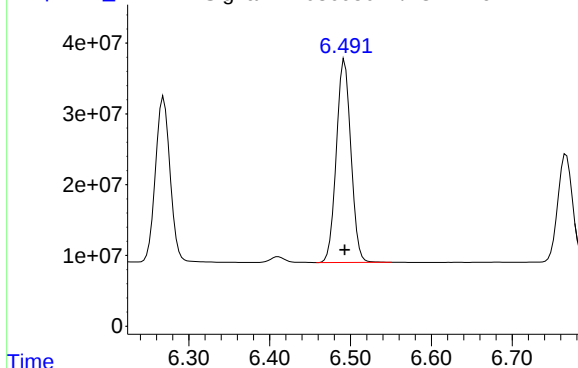
#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 295306877
Conc: 27.09 ng/ml

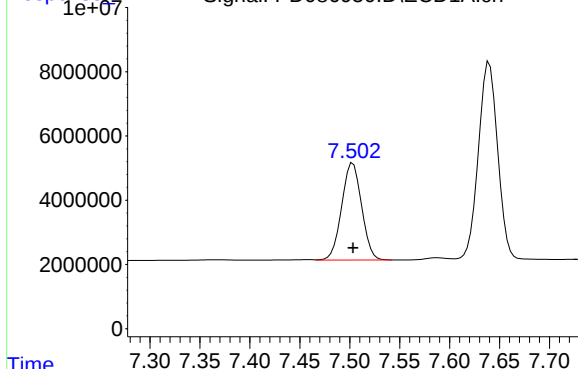


R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 74222622
Conc: 24.92 ng/ml

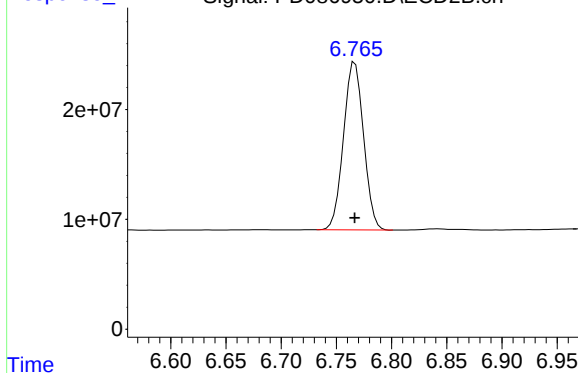
Instrument :
ECD_D
ClientSampleId :
PSTDICC025



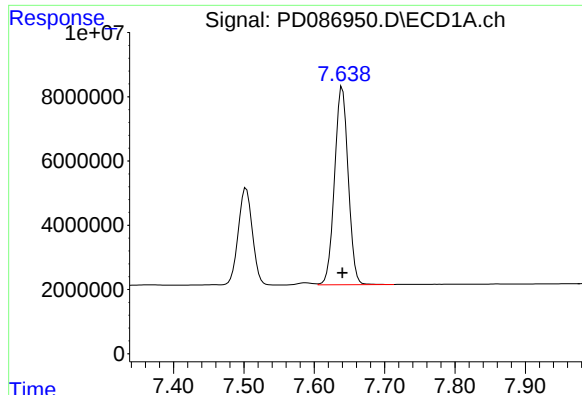
R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 358613722
Conc: 26.92 ng/ml



R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 41939265
Conc: 25.84 ng/ml



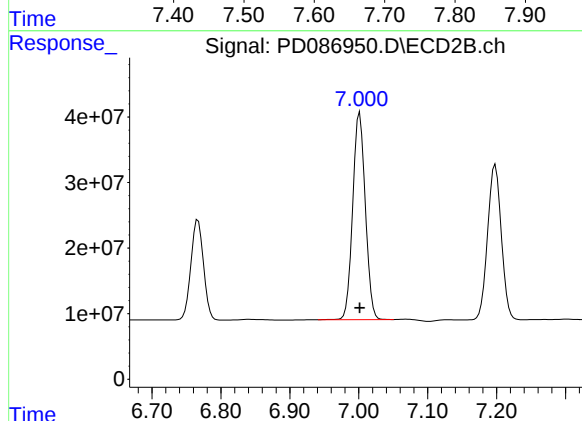
R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 193572365
Conc: 27.41 ng/ml



#21 Endrin ketone

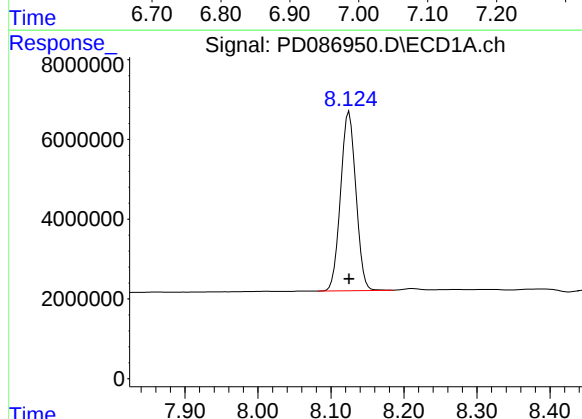
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 82876493
Conc: 24.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



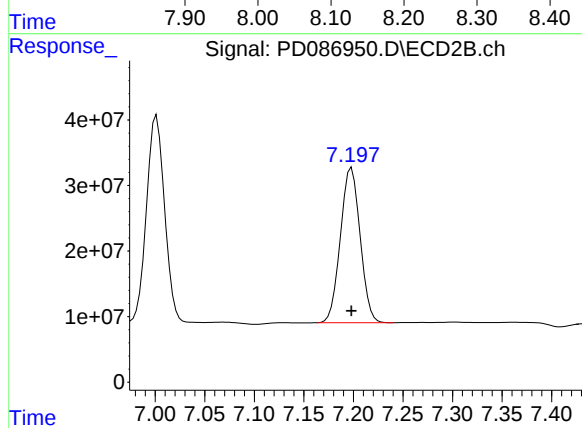
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 401644596
Conc: 27.04 ng/ml



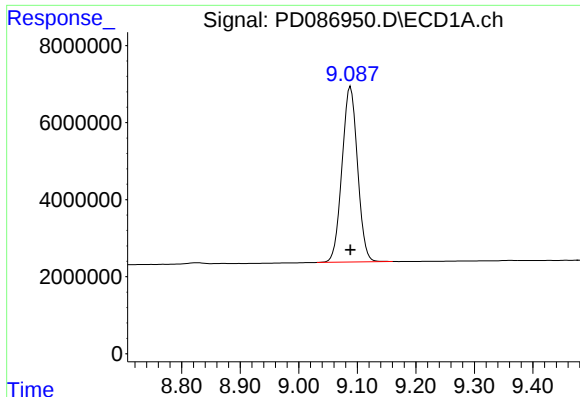
#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 65408338
Conc: 26.17 ng/ml



#22 Mirex

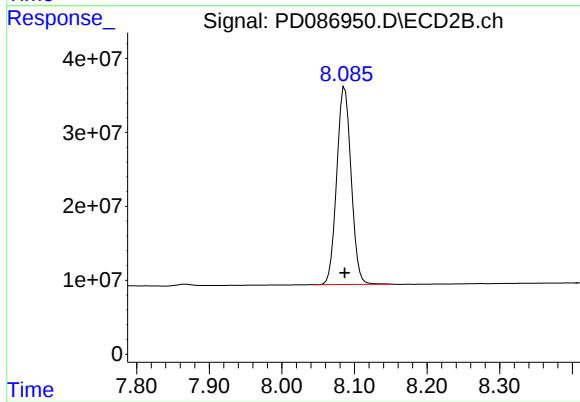
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 327266885
Conc: 27.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 83891341
Conc: 26.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 368371790
Conc: 27.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 12:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

Client SampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/02/2024

Supervised By :Ankita Jodhani 12/02/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:39:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:39:33 2024
Response via : Initial 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...	3.557	2.884	9360107	59612628	4.681	5.208
28) SA Decachlor...	9.089	8.087	16096327	75493547	5.060	5.418
Target Compounds						
2) A alpha-BHC	4.007	3.398	15247551	85767912	3.789	4.867 #
3) MA gamma-BHC...	4.338	3.735	15737158	83613122	3.946	4.978 #
4) MA Heptachlor	4.939	4.090	16462870	84491593	4.193	5.198
5) MB Aldrin	5.280	4.377	16930510	84962774	4.154	5.082
6) B beta-BHC	4.522	4.031	7729178	37724525	4.901	5.267
7) B delta-BHC	4.770	4.267	15861489	84373097	3.891	4.962 #
8) B Heptachlo...	5.700	4.881	15790286	80605321	4.370	5.309
9) A Endosulfan I	6.084	5.257	14908335	74778936	4.443	5.267
10) B gamma-Chl...	5.955	5.135	15014523	79897810	4.250	5.136
11) B alpha-Chl...	6.037	5.200	15631187	79857491	4.375	5.226
12) B 4,4'-DDE	6.206	5.385	13263723	75873547	4.077	5.033
13) MA Dieldrin	6.357	5.522	15199644	79163855	4.207	5.084
14) MA Endrin	6.584	5.798	12647018	71680494	4.180	5.118m
15) B Endosulfa...	6.795	6.090	13100144	73478873	4.383	5.338
16) A 4,4'-DDD	6.714	5.938	10983205	63461945	4.225	5.048m
17) MA 4,4'-DDT	7.031	6.195	11471220	66140116	4.061	4.960
18) B Endrin al...	6.924	6.268	11327386	59347295	4.634	5.350
19) B Endosulfa...	7.158	6.493	13191512	71807682	4.533	5.307
20) A Methoxychlor	7.503	6.767	7520887	38080698	4.703	5.309
21) B Endrin ke...	7.640	7.002	14371253	79673354	4.428	5.286
22) Mirex	8.125	7.198	12395501	67928842	4.968	5.509

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 12:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

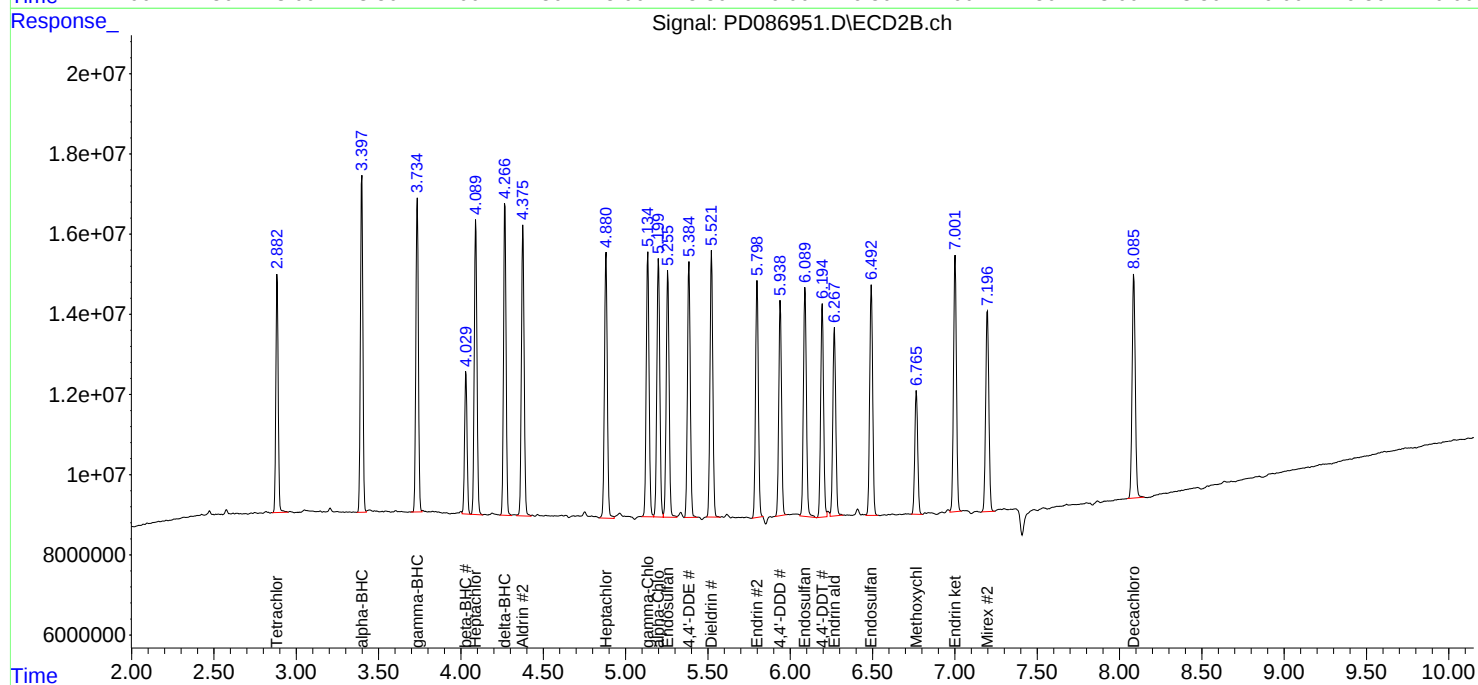
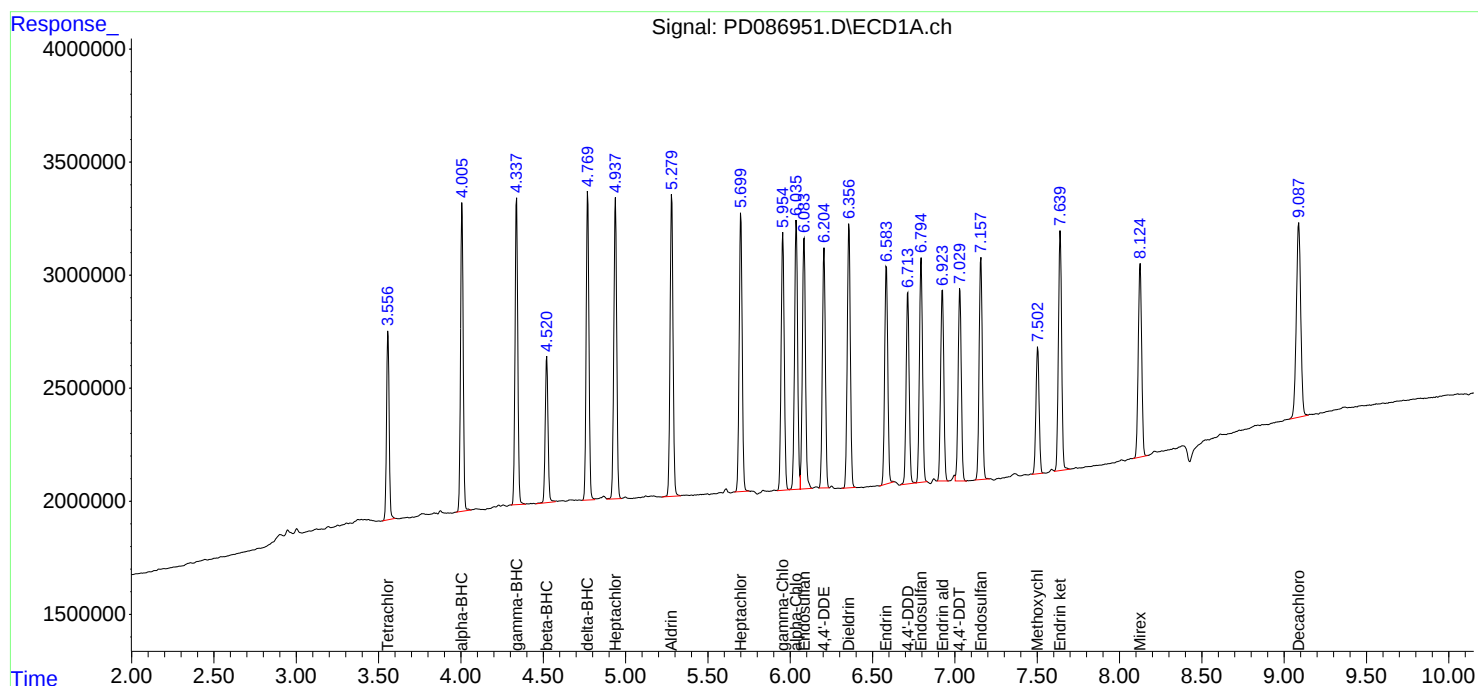
Manual Integrations

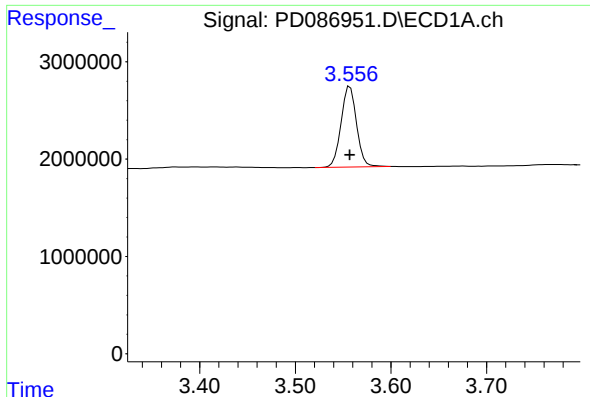
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:39:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:39:33 2024
Response via : Initial 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.: 3.557 min
Delta R.T.: 0.000 min
Response: 9360107
Conc: 4.68 ng/ml

Instrument :

ECD_D

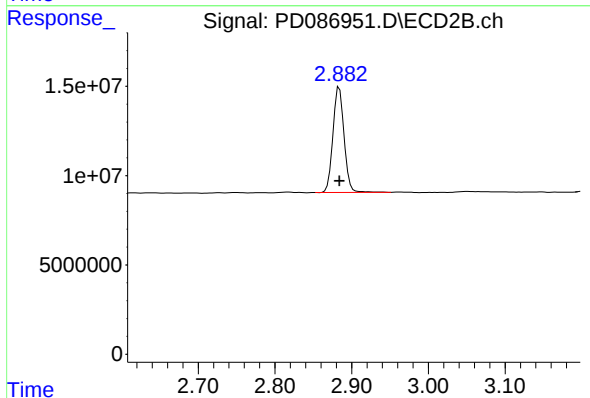
ClientSampleId :

PSTDICC005

Manual Integrations

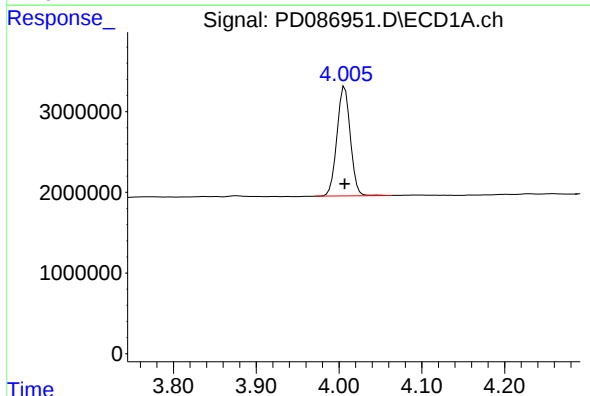
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



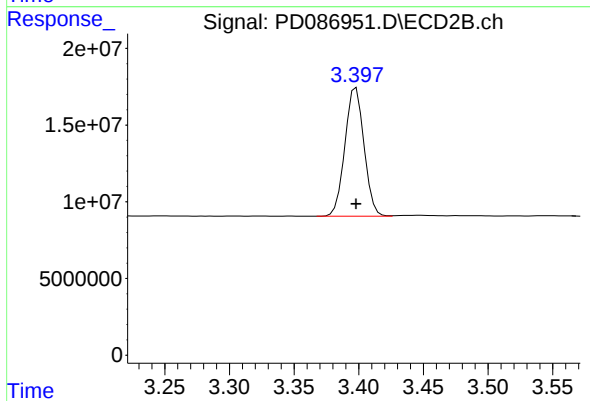
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 59612628
Conc: 5.21 ng/ml



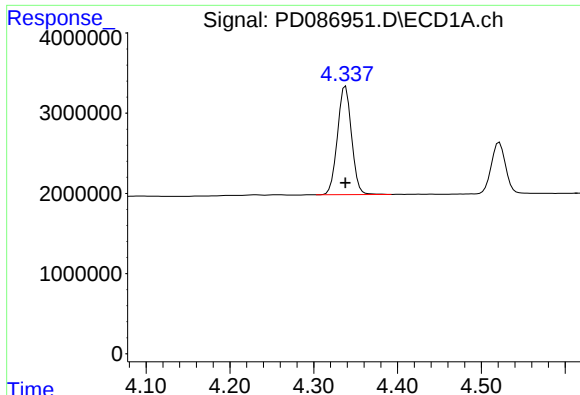
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 15247551
Conc: 3.79 ng/ml



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 85767912
Conc: 4.87 ng/ml



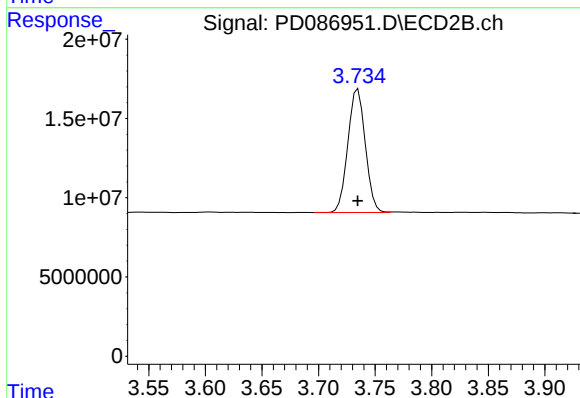
#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 15737158
Conc: 3.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

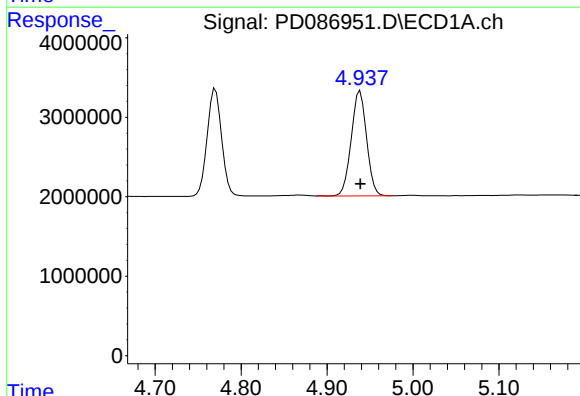
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



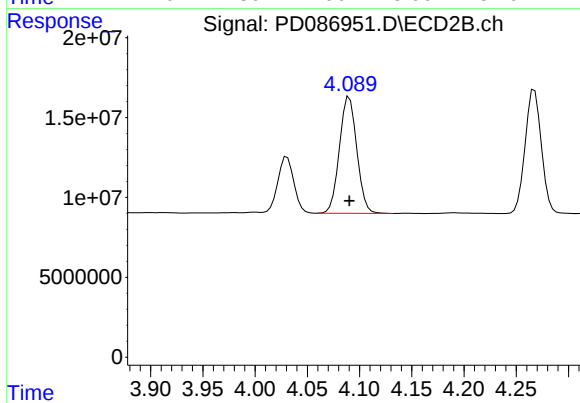
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 83613122
Conc: 4.98 ng/ml



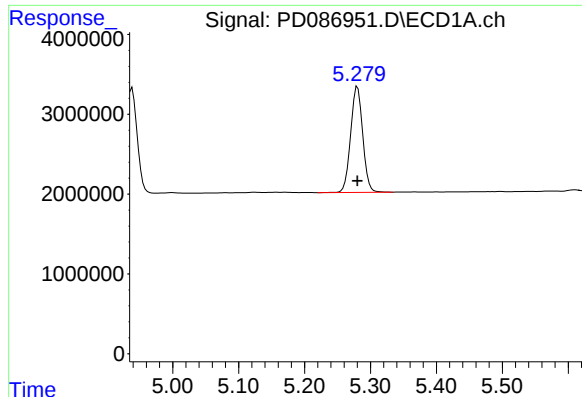
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 16462870
Conc: 4.19 ng/ml



#4 Heptachlor

R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 84491593
Conc: 5.20 ng/ml



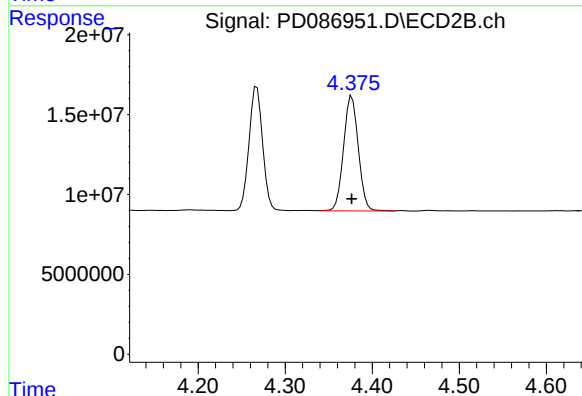
#5 Aldrin

R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 16930510
Conc: 4.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

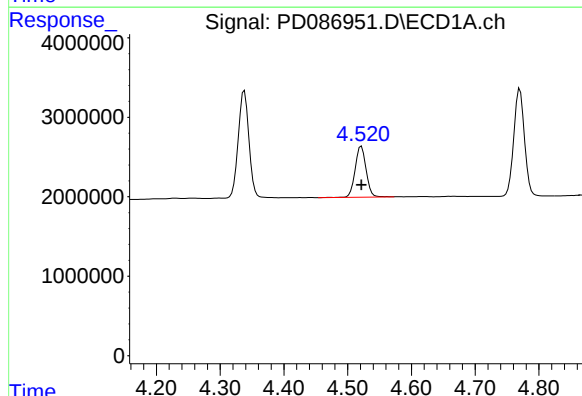
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



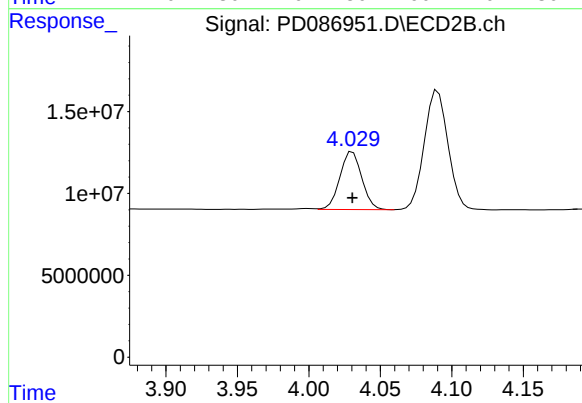
#5 Aldrin

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 84962774
Conc: 5.08 ng/ml



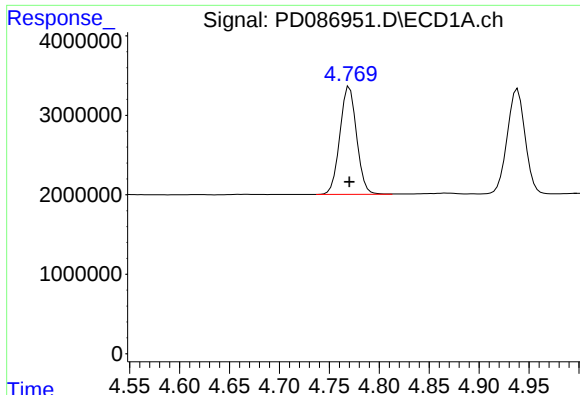
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 7729178
Conc: 4.90 ng/ml



#6 beta-BHC

R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 37724525
Conc: 5.27 ng/ml



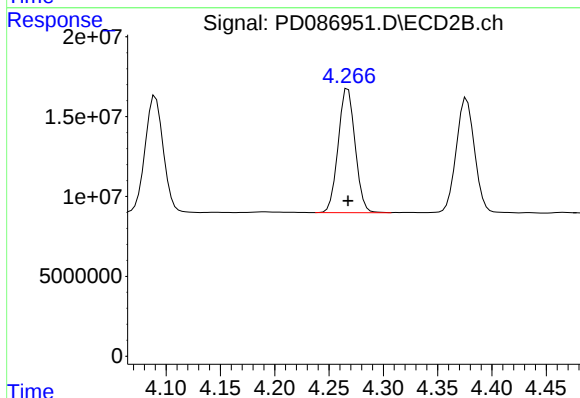
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 15861489
Conc: 3.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

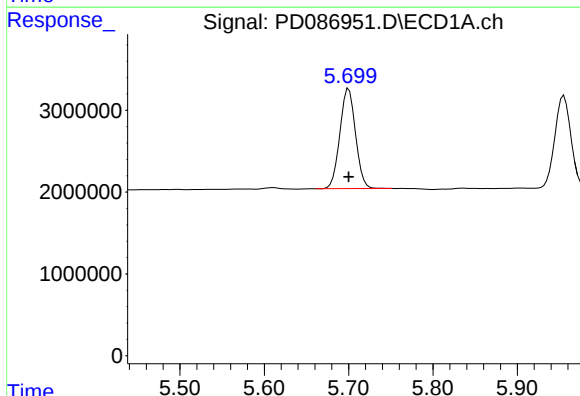
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



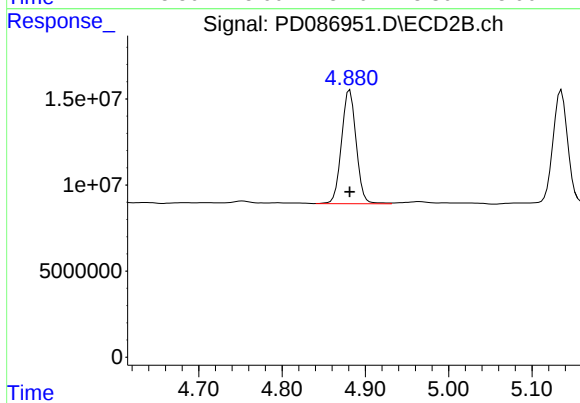
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 84373097
Conc: 4.96 ng/ml



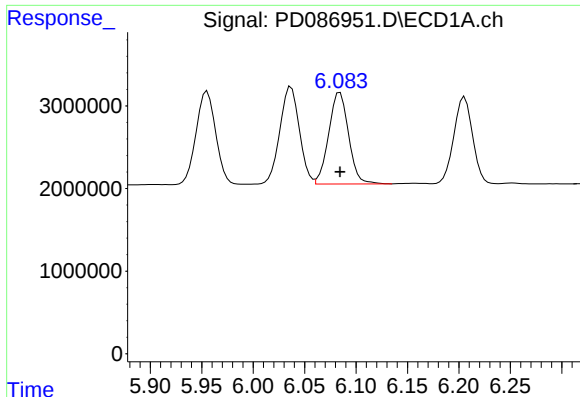
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 15790286
Conc: 4.37 ng/ml



#8 Heptachlor epoxide

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 80605321
Conc: 5.31 ng/ml



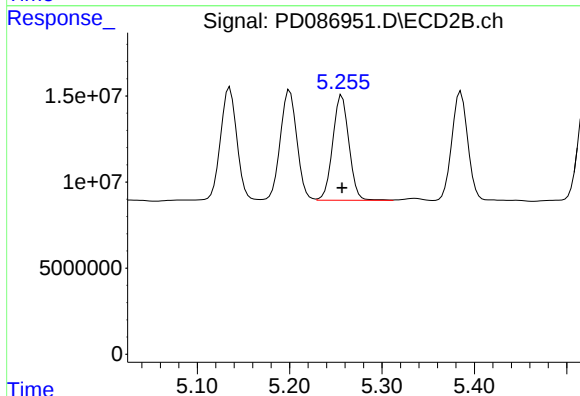
#9 Endosulfan I

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 14908335
Conc: 4.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

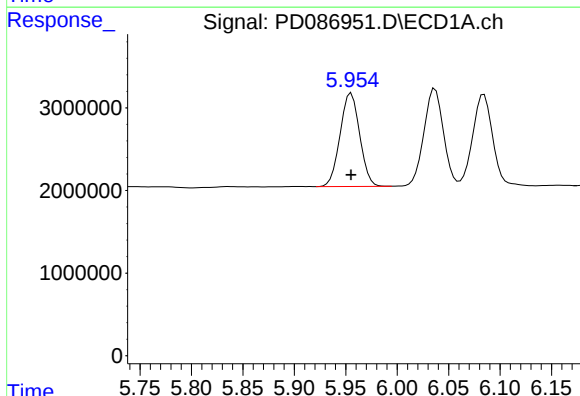
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



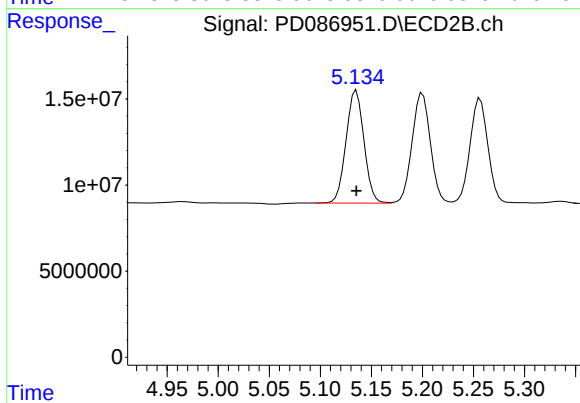
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 74778936
Conc: 5.27 ng/ml



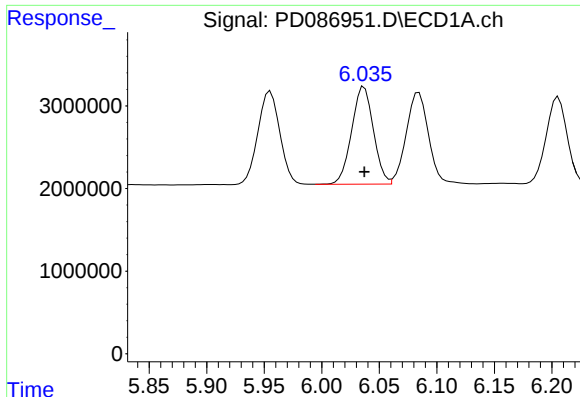
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 15014523
Conc: 4.25 ng/ml



#10 gamma-Chlordane

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 79897810
Conc: 5.14 ng/ml



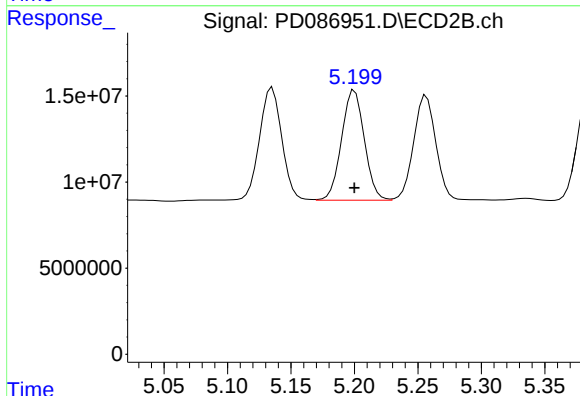
#11 alpha-Chlordane

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 15631187
Conc: 4.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

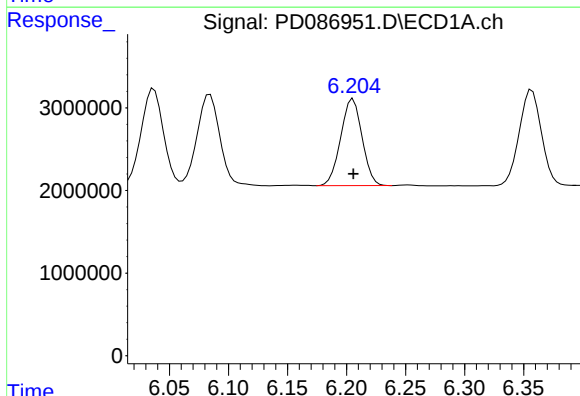
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



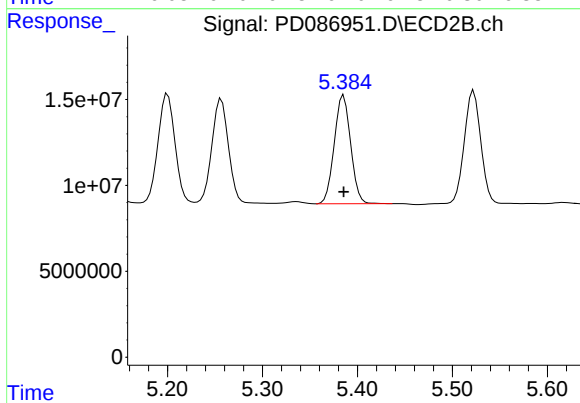
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 79857491
Conc: 5.23 ng/ml



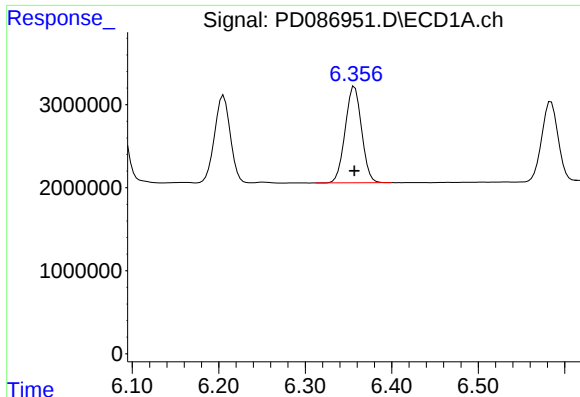
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 13263723
Conc: 4.08 ng/ml



#12 4,4'-DDE

R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 75873547
Conc: 5.03 ng/ml



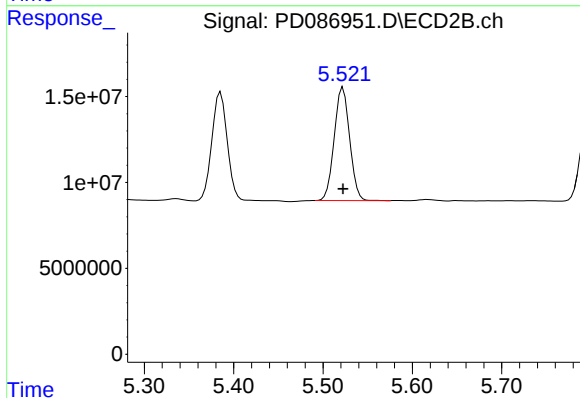
#13 Dieldrin

R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 15199644
Conc: 4.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

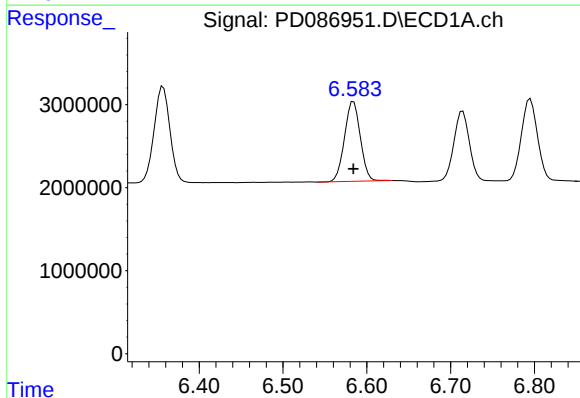
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



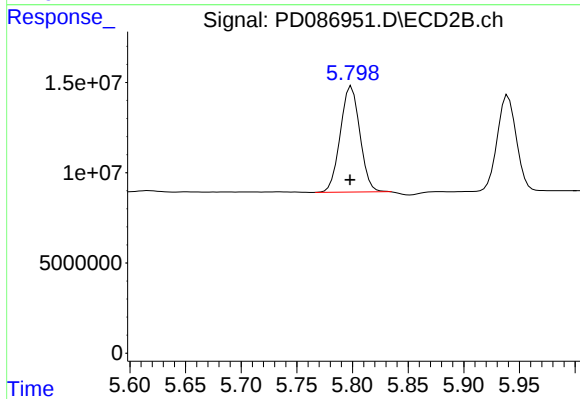
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 79163855
Conc: 5.08 ng/ml



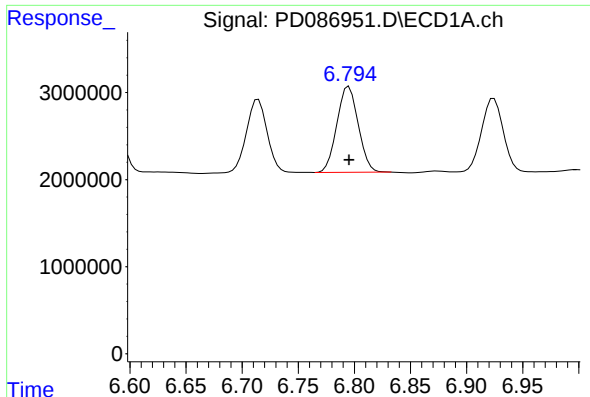
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 12647018
Conc: 4.18 ng/ml



#14 Endrin

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 71680494
Conc: 5.12 ng/ml m



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 13100144
Conc: 4.38 ng/ml

Instrument :

ECD_D

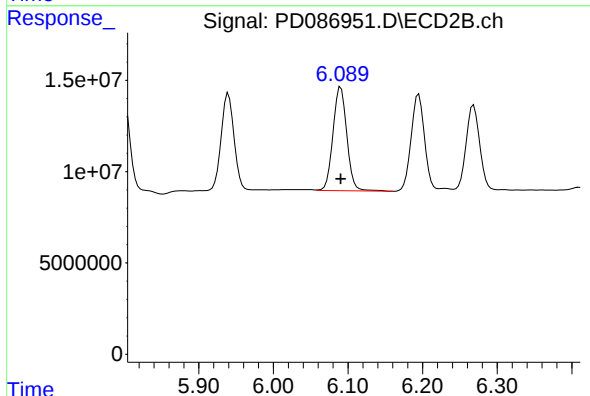
ClientSampleId :

PSTDICC005

Manual Integrations

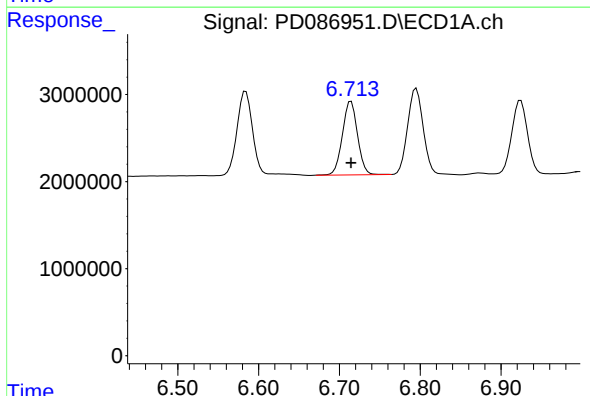
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



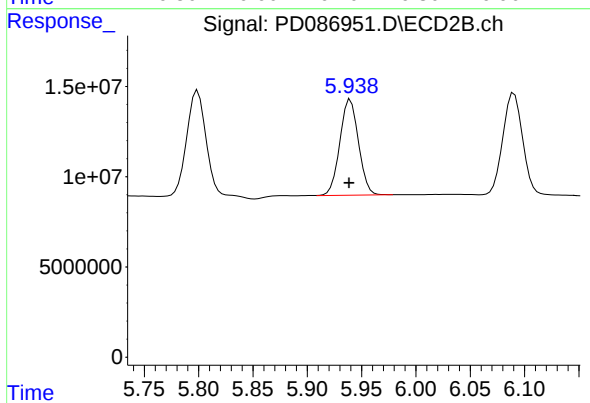
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 73478873
Conc: 5.34 ng/ml



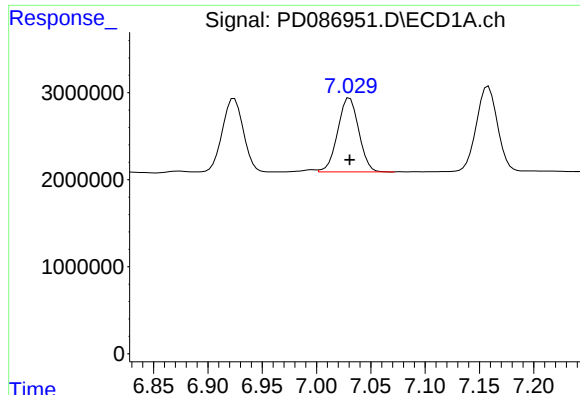
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 10983205
Conc: 4.22 ng/ml



#16 4,4'-DDD

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 63461945
Conc: 5.05 ng/ml m



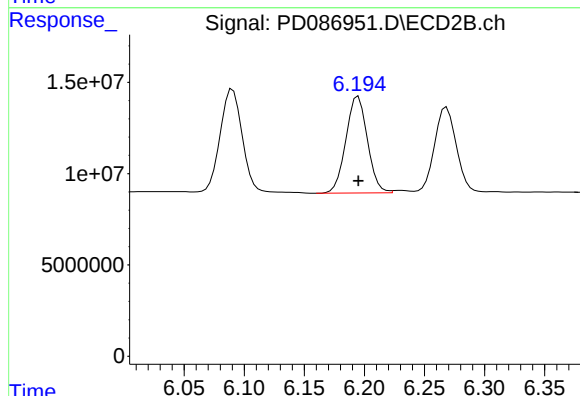
#17 4,4'-DDT

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 11471220
Conc: 4.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

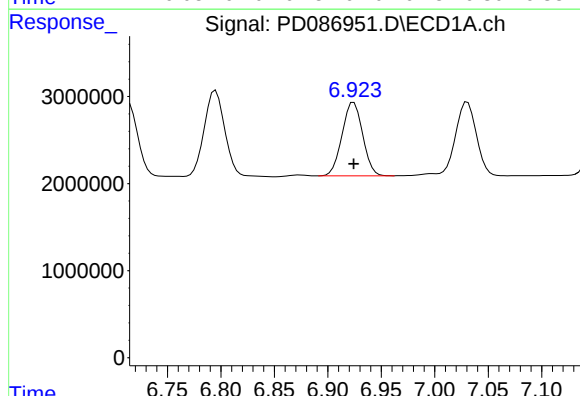
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



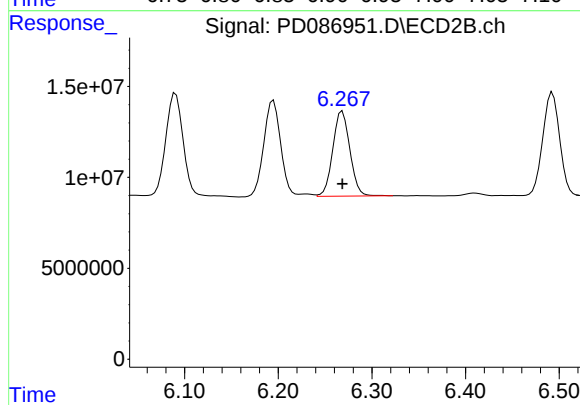
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 66140116
Conc: 4.96 ng/ml



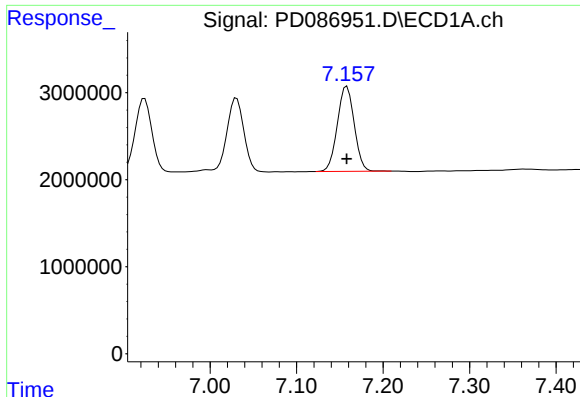
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 11327386
Conc: 4.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 59347295
Conc: 5.35 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 13191512
Conc: 4.53 ng/ml

Instrument :

ECD_D

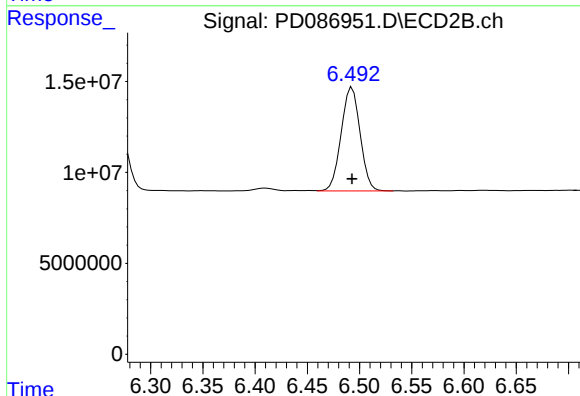
ClientSampleId :

PSTDICC005

Manual Integrations

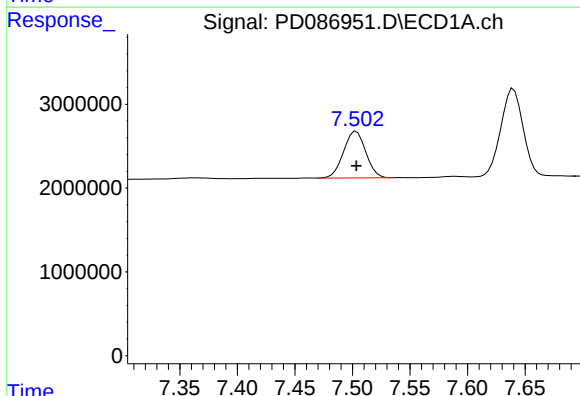
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



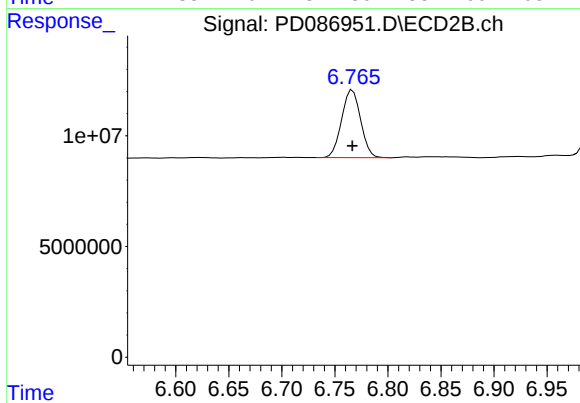
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 71807682
Conc: 5.31 ng/ml



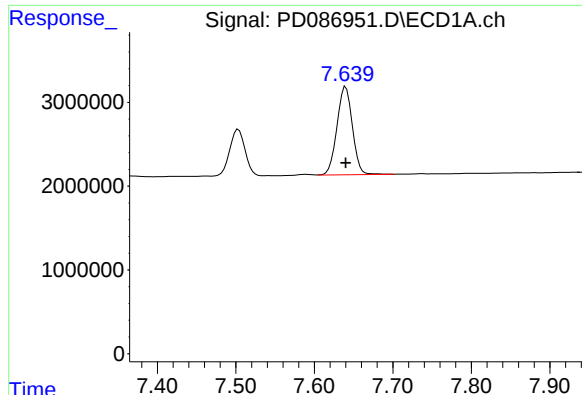
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 7520887
Conc: 4.70 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 38080698
Conc: 5.31 ng/ml



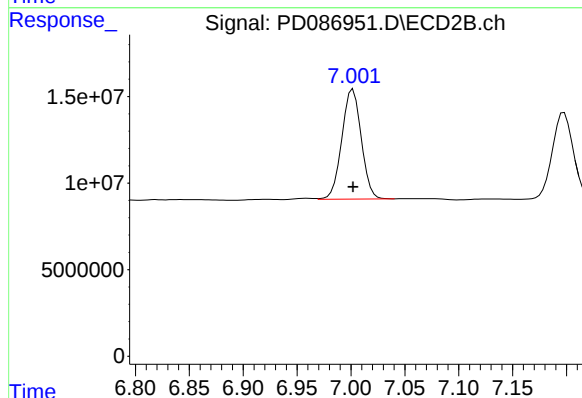
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 14371253
Conc: 4.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

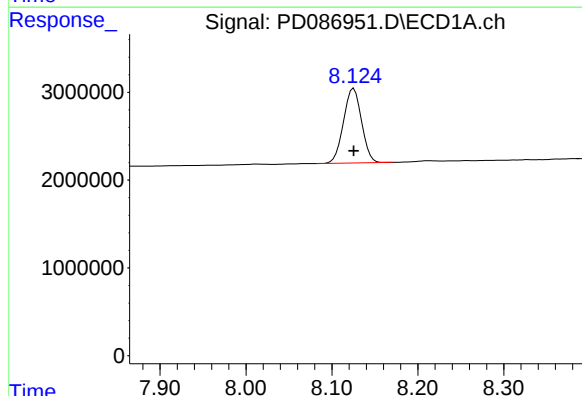
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



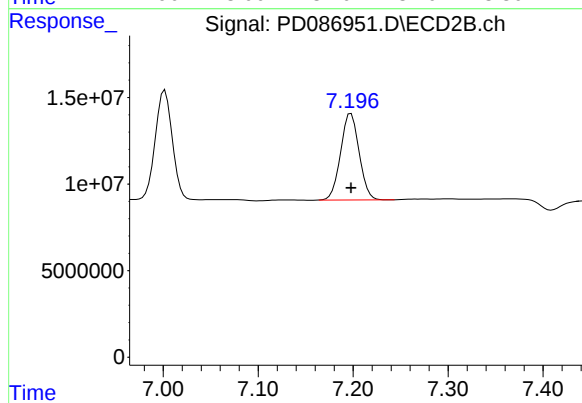
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 79673354
Conc: 5.29 ng/ml



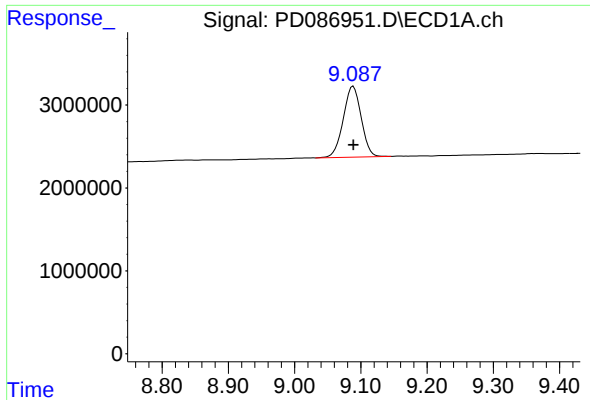
#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 12395501
Conc: 4.97 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 67928842
Conc: 5.51 ng/ml



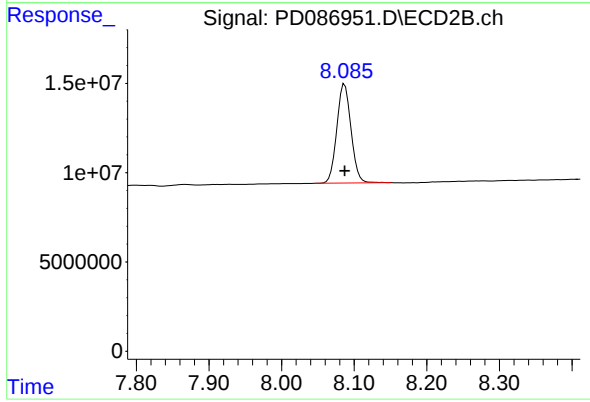
#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 16096327
Conc: 5.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 75493547
Conc: 5.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 13:06
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: Nov 27 13:20:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:19:46 2024
Response via : Initial 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...	3.557	2.884	100.6E6	693.0E6	50.000	50.000
28) SA Decachlor...	9.090	8.088	158.2E6	692.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.724	3.912	66120490	265.6E6	500.000	500.000
24) Chlordane-2	5.250	4.495	72658609	281.5E6	500.000	500.000
25) Chlordane-3	5.956	5.135	286.7E6	835.1E6	500.000	500.000
26) Chlordane-4	6.042	5.200	344.1E6	711.4E6	500.000	500.000
27) Chlordane-5	6.882	6.100	60067018	324.5E6	500.000	500.000

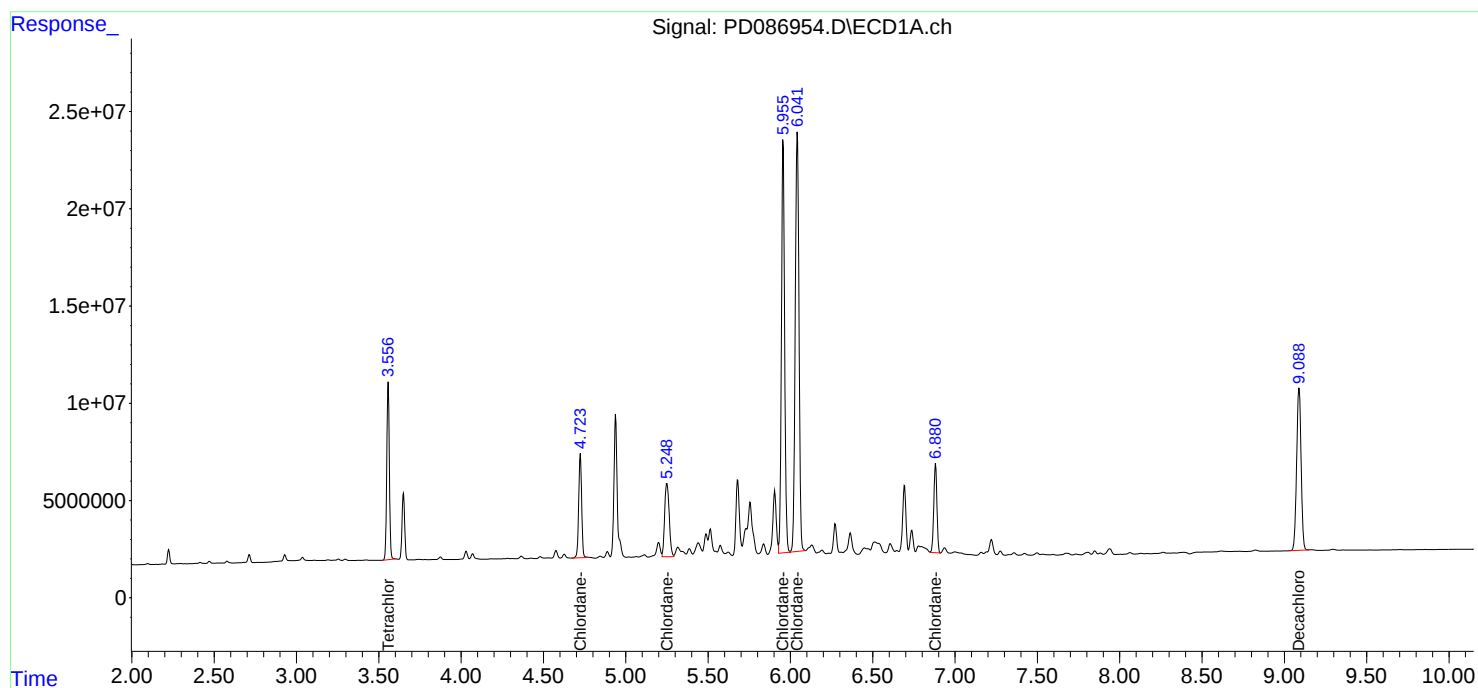
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 13:06
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

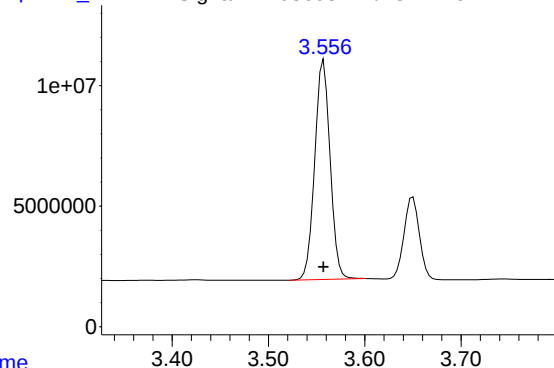
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 13:20:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:19:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086954.D\ECD1A.ch

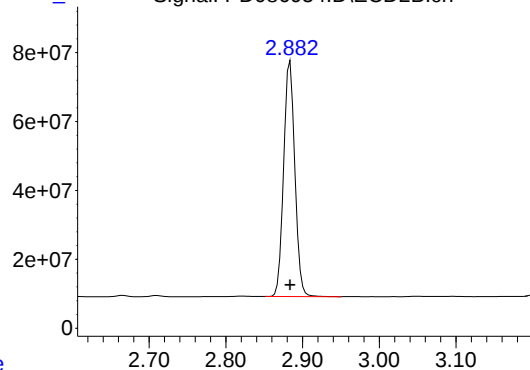


#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 100600368
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

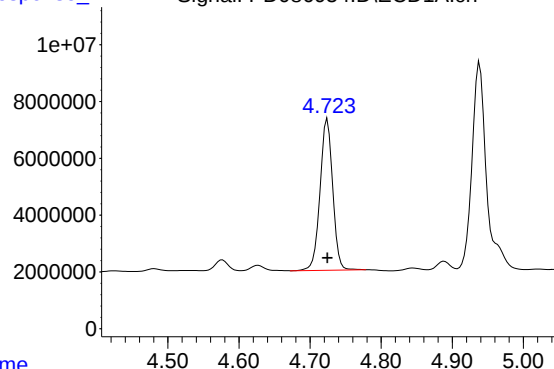
Time Response_ Signal: PD086954.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 692991347
Conc: 50.00 ng/ml

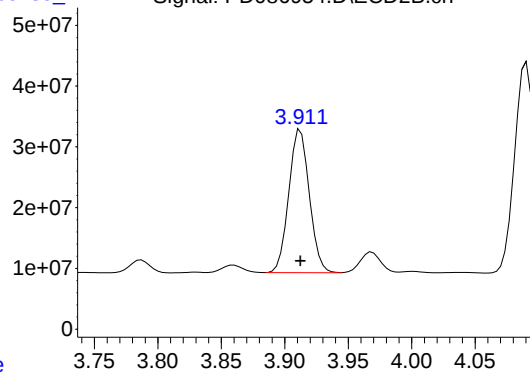
Time Response_ Signal: PD086954.D\ECD1A.ch



#23 Chlordane-1

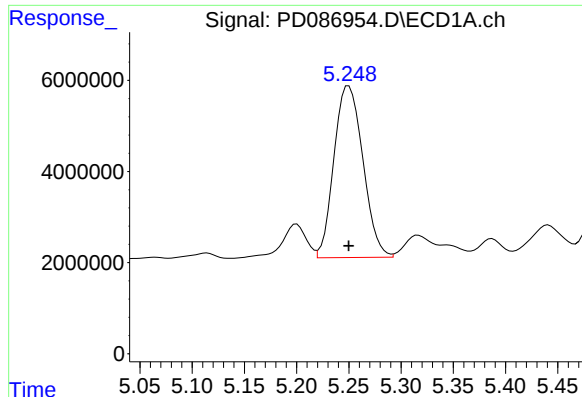
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 66120490
Conc: 500.00 ng/ml

Time Response_ Signal: PD086954.D\ECD2B.ch



#23 Chlordane-1

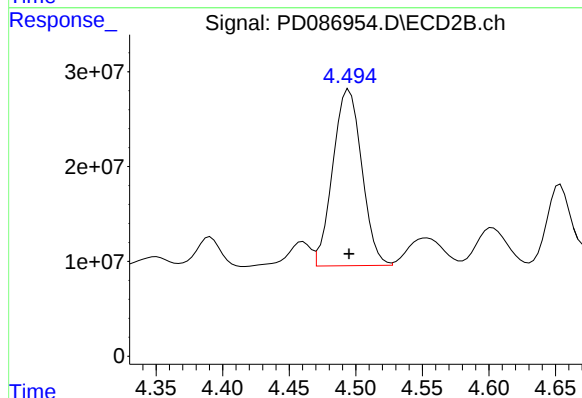
R.T.: 3.912 min
Delta R.T.: 0.000 min
Response: 265621877
Conc: 500.00 ng/ml



#24 Chlordane-2

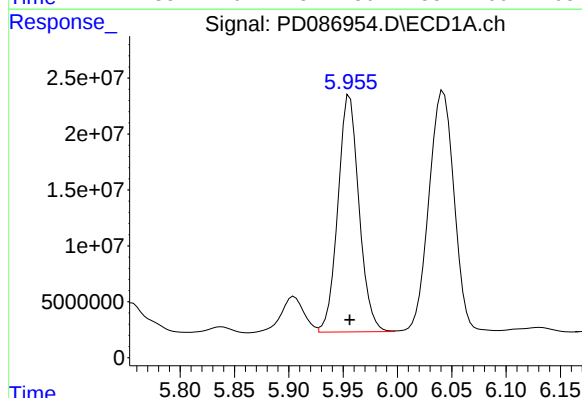
R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 72658609
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



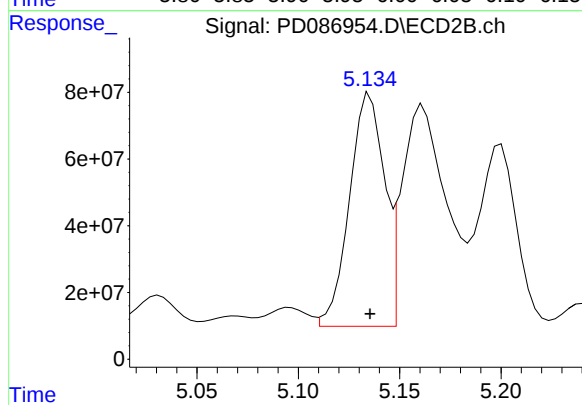
#24 Chlordane-2

R.T.: 4.495 min
Delta R.T.: 0.000 min
Response: 281529144
Conc: 500.00 ng/ml



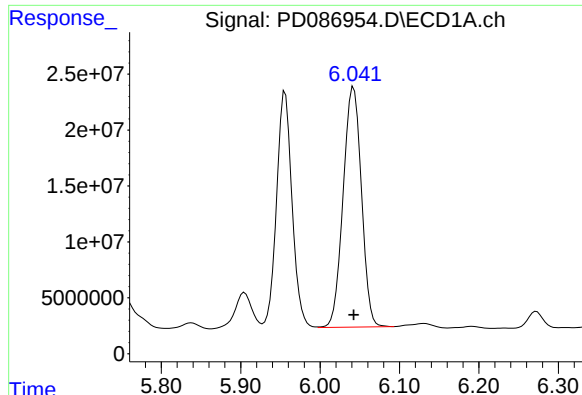
#25 Chlordane-3

R.T.: 5.956 min
Delta R.T.: 0.000 min
Response: 286688942
Conc: 500.00 ng/ml



#25 Chlordane-3

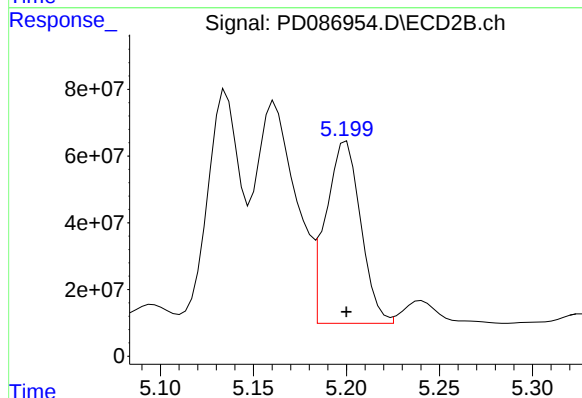
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 835137656
Conc: 500.00 ng/ml



#26 Chlordane-4

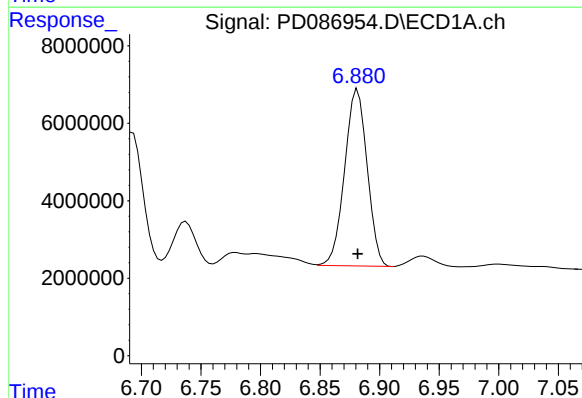
R.T.: 6.042 min
Delta R.T.: 0.000 min
Response: 344090010
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



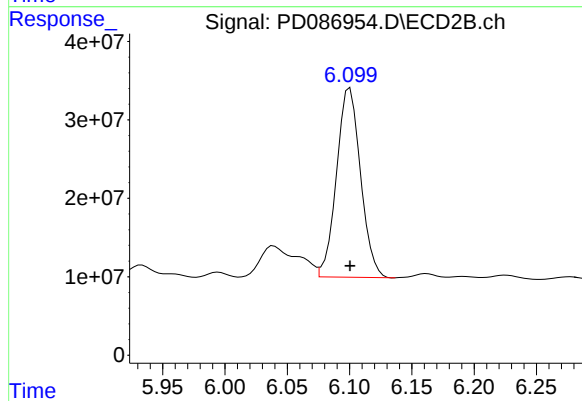
#26 Chlordane-4

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 711436005
Conc: 500.00 ng/ml



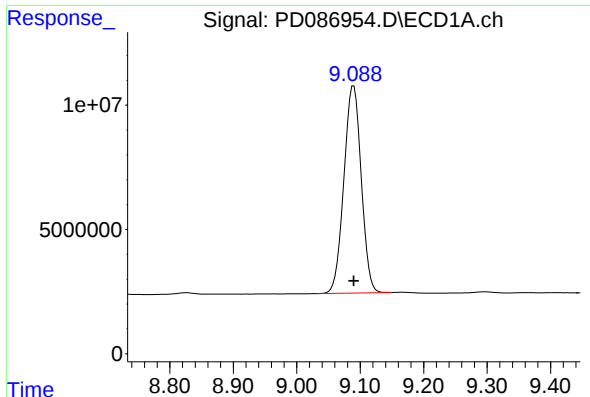
#27 Chlordane-5

R.T.: 6.882 min
Delta R.T.: 0.000 min
Response: 60067018
Conc: 500.00 ng/ml



#27 Chlordane-5

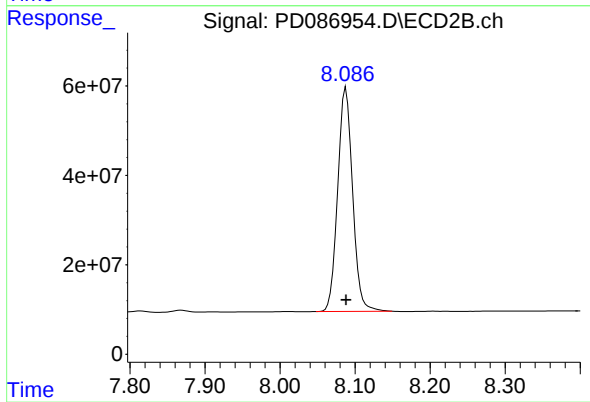
R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 324459433
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.090 min
Delta R.T.: 0.000 min
Response: 158222687
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 692547159
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 14:16
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: Nov 27 14:28:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 14:28:11 2024
Response via : Initial 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...	3.558	2.884	101.0E6	569.3E6	50.000	50.000
7) SA Decachlor...	9.090	8.087	158.0E6	687.4E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.252	5.485	13357463	58341642	500.000	500.000
3) Toxaphene-2	6.452	5.657	18711958	39485719	500.000	500.000
4) Toxaphene-3	7.160	6.769	37110702	193.7E6	500.000	500.000
5) Toxaphene-4	7.574	7.210	48735946	138.6E6	500.000	500.000
6) Toxaphene-5	7.941	7.341	27663701	99857282	500.000	500.000

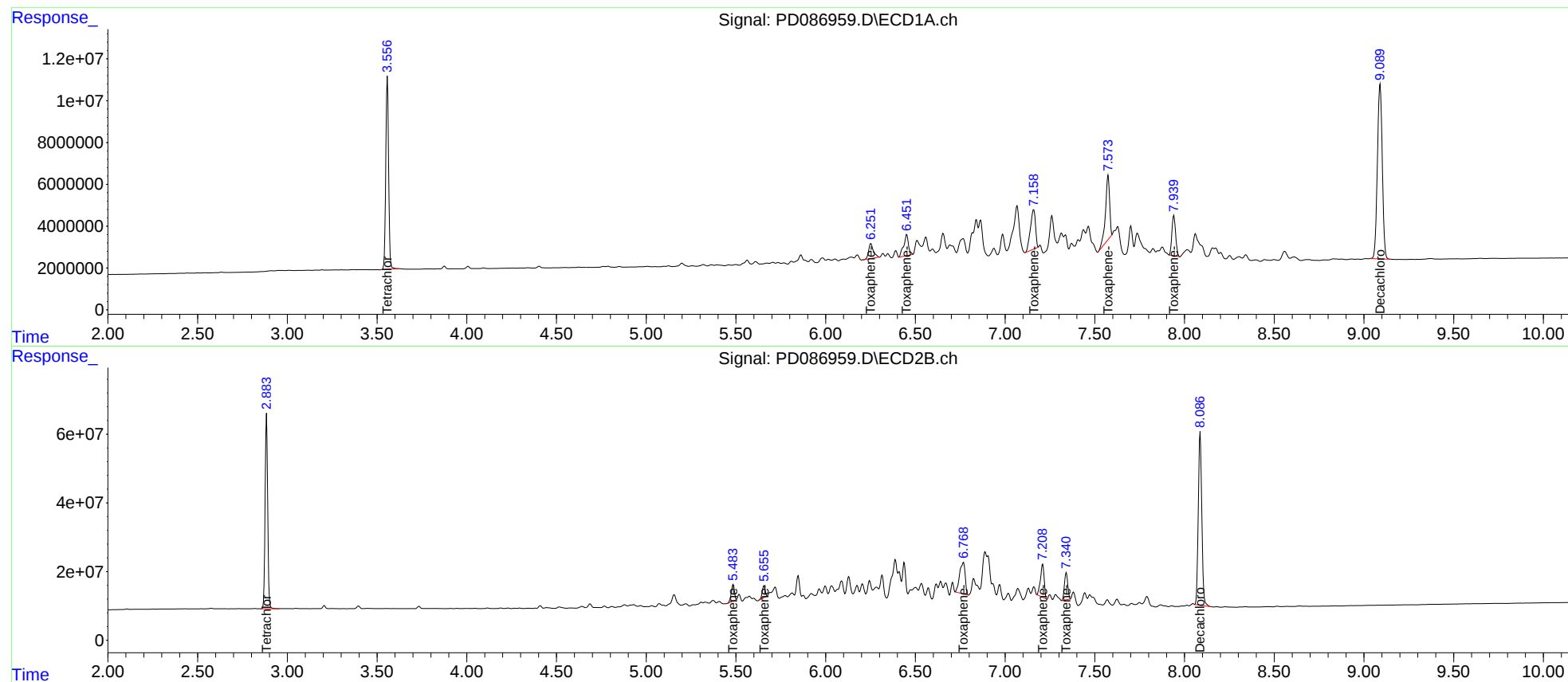
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

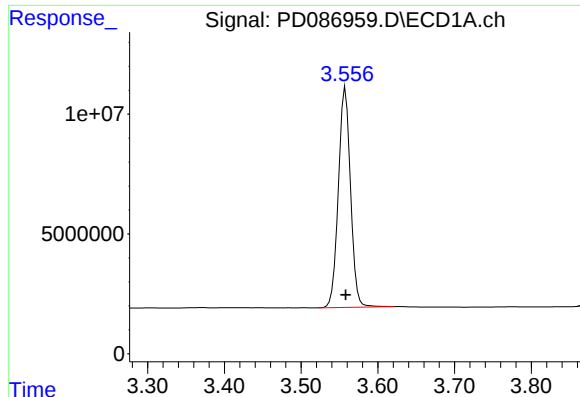
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 14:16
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampled :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 14:28:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 14:28:11 2024
Response via : Initial 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

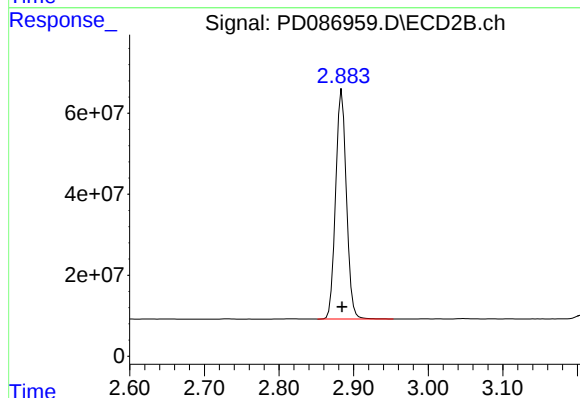




#1 Tetrachloro-m-xylene

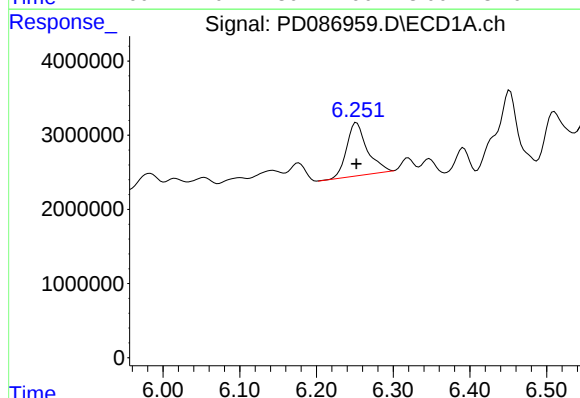
R.T.: 3.558 min
Delta R.T.: 0.000 min
Response: 100968621
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



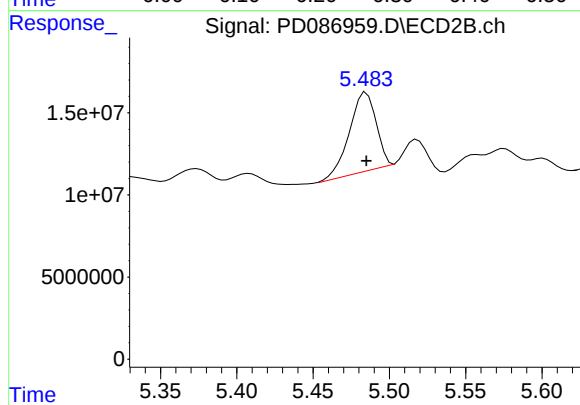
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 569335901
Conc: 50.00 ng/ml



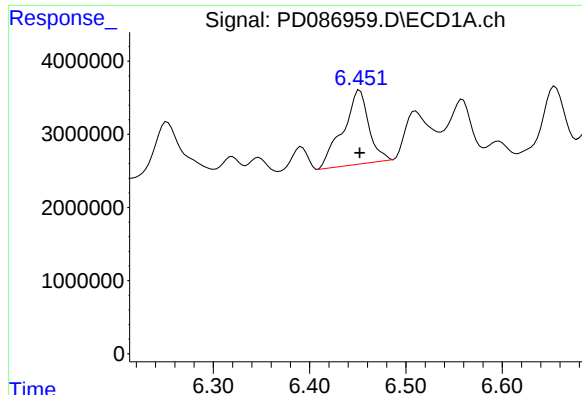
#2 Toxaphene-1

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 13357463
Conc: 500.00 ng/ml



#2 Toxaphene-1

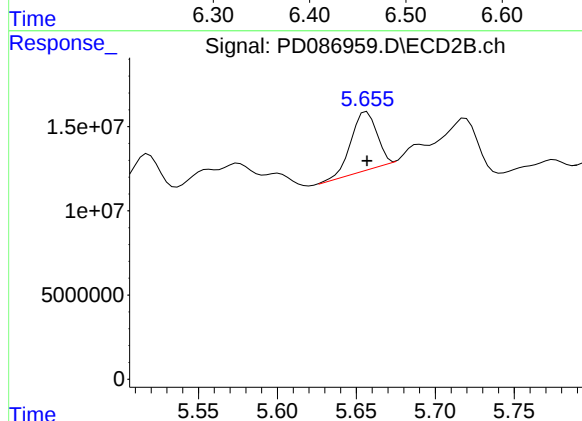
R.T.: 5.485 min
Delta R.T.: 0.000 min
Response: 58341642
Conc: 500.00 ng/ml



#3 Toxaphene-2

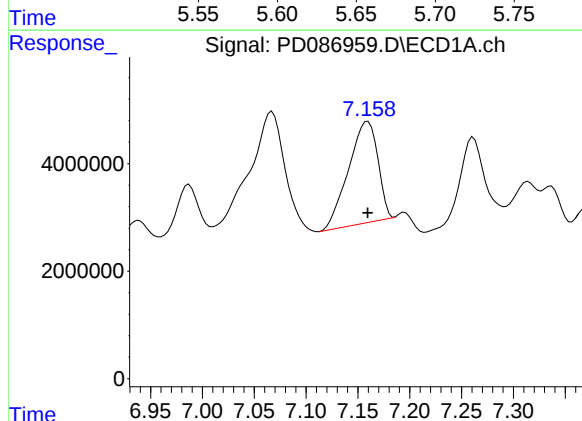
R.T.: 6.452 min
Delta R.T.: 0.000 min
Response: 18711958
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



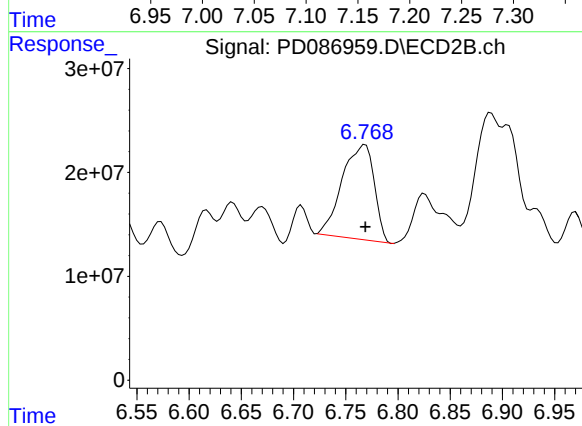
#3 Toxaphene-2

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 39485719
Conc: 500.00 ng/ml



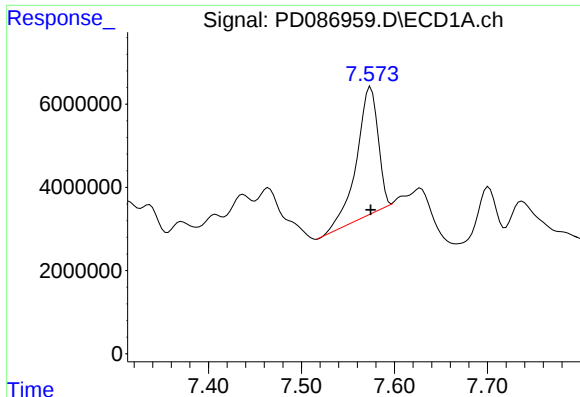
#4 Toxaphene-3

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 37110702
Conc: 500.00 ng/ml



#4 Toxaphene-3

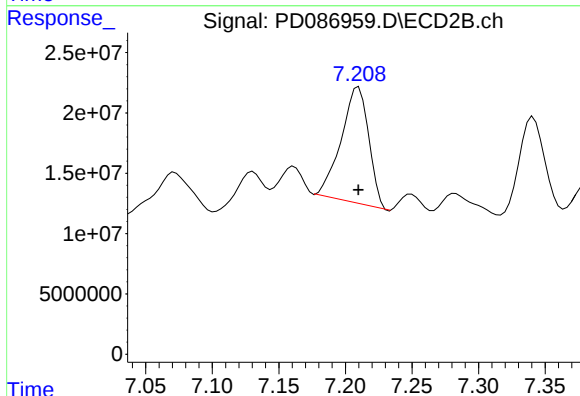
R.T.: 6.769 min
Delta R.T.: 0.000 min
Response: 193708992
Conc: 500.00 ng/ml



#5 Toxaphene-4

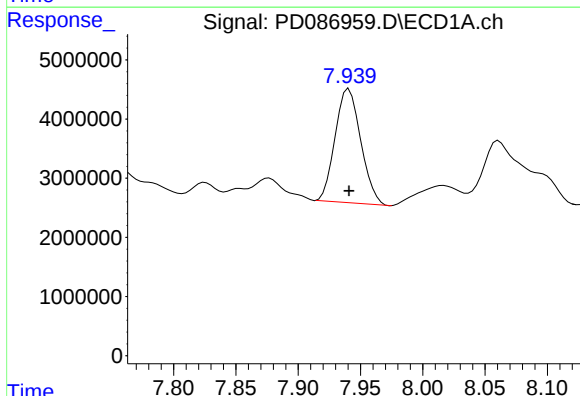
R.T.: 7.574 min
Delta R.T.: 0.000 min
Response: 48735946
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



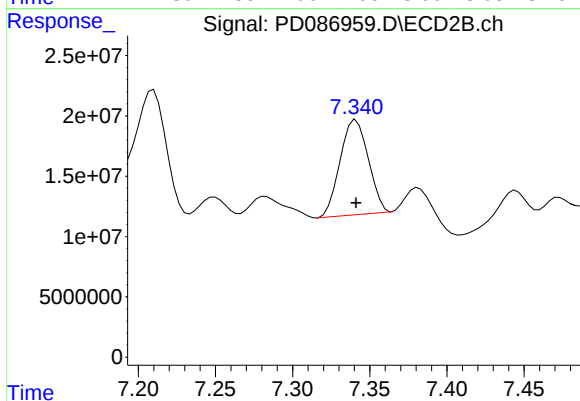
#5 Toxaphene-4

R.T.: 7.210 min
Delta R.T.: 0.000 min
Response: 138559147
Conc: 500.00 ng/ml



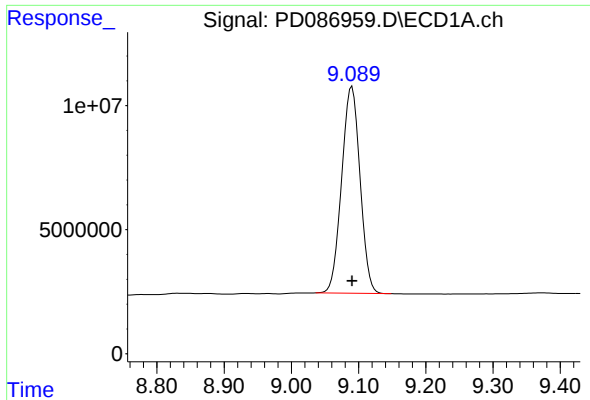
#6 Toxaphene-5

R.T.: 7.941 min
Delta R.T.: 0.000 min
Response: 27663701
Conc: 500.00 ng/ml



#6 Toxaphene-5

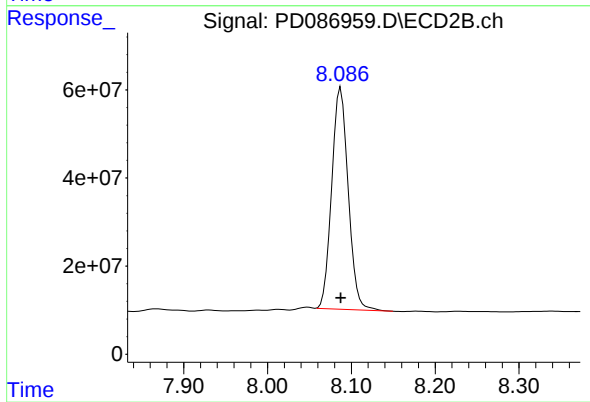
R.T.: 7.341 min
Delta R.T.: 0.000 min
Response: 99857282
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.090 min
Delta R.T.: 0.000 min
Response: 158018384
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 687360701
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 15:38:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial 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...	3.557	2.884	101.7E6	574.3E6	50.862	50.176
28)	SA Decachlor...	9.090	8.087	158.4E6	686.8E6	49.811	49.292
Target Compounds							
2)	A alpha-BHC	4.007	3.398	212.6E6	898.4E6	52.836	50.984
3)	MA gamma-BHC...	4.338	3.735	209.4E6	852.0E6	52.498	50.729
4)	MA Heptachlor	4.939	4.091	203.0E6	822.0E6	51.694	50.569
5)	MB Aldrin	5.281	4.377	212.1E6	845.4E6	52.031	50.568
6)	B beta-BHC	4.522	4.030	79564305	359.2E6	50.446	50.153
7)	B delta-BHC	4.771	4.268	214.1E6	864.2E6	52.526	50.830
8)	B Heptachlo...	5.701	4.882	186.7E6	760.8E6	51.659	50.104
9)	A Endosulfan I	6.085	5.257	172.6E6	713.4E6	51.427	50.249
10)	B gamma-Chl...	5.956	5.135	181.6E6	783.8E6	51.402	50.388
11)	B alpha-Chl...	6.037	5.200	184.1E6	765.7E6	51.542	50.102
12)	B 4,4'-DDE	6.206	5.386	169.3E6	765.3E6	52.046	50.766
13)	MA Dieldrin	6.357	5.523	187.3E6	788.9E6	51.832	50.659
14)	MA Endrin	6.584	5.799	155.8E6	709.4E6	51.475	50.711
15)	B Endosulfa...	6.796	6.091	152.0E6	689.2E6	50.857	50.072
16)	A 4,4'-DDD	6.715	5.941	135.0E6	645.9E6	51.916	51.389
17)	MA 4,4'-DDT	7.032	6.195	146.8E6	681.8E6	51.969	51.133
18)	B Endrin al...	6.925	6.269	124.5E6	555.0E6	50.929	50.028
19)	B Endosulfa...	7.159	6.493	149.0E6	675.0E6	51.215	49.887
20)	A Methoxychlor	7.504	6.767	81425107	366.6E6	50.913	51.109
21)	B Endrin ke...	7.641	7.002	167.5E6	759.3E6	51.619	50.377
22)	Mirex	8.126	7.198	125.5E6	609.5E6	50.318	49.427

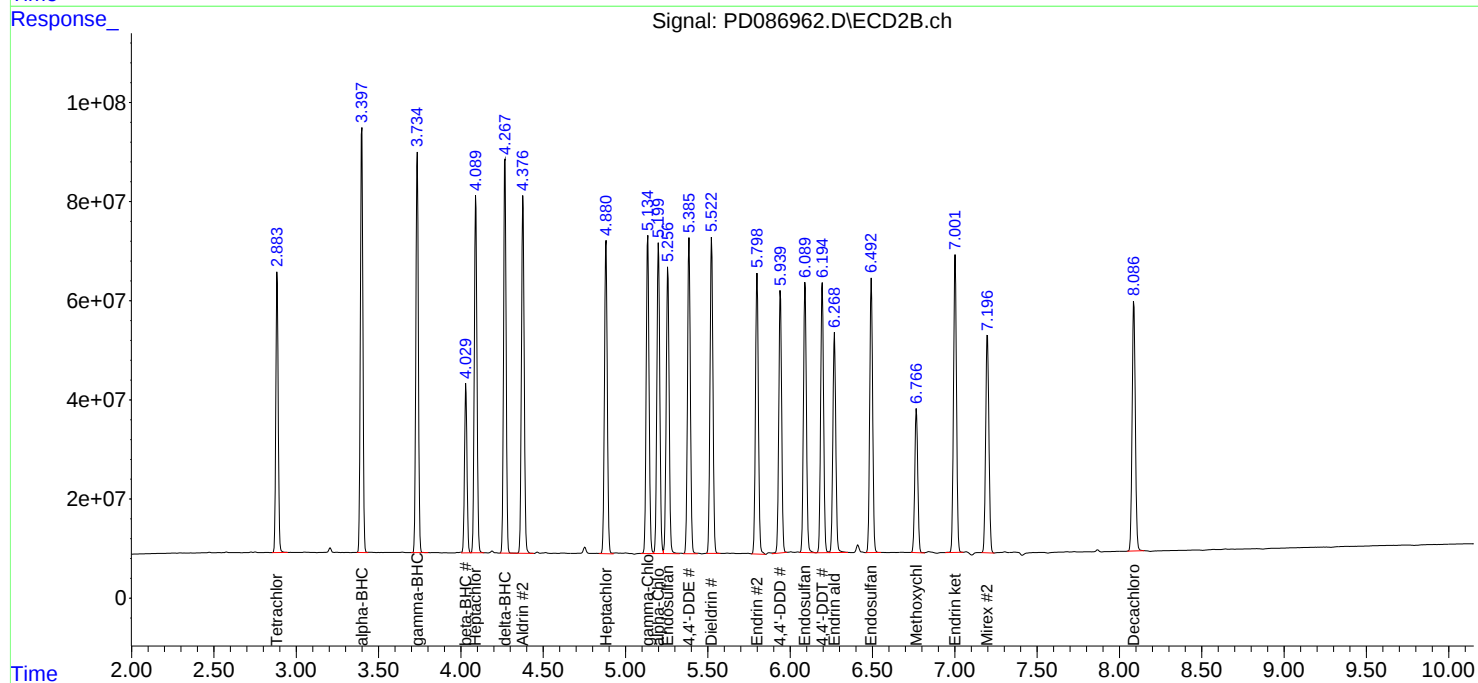
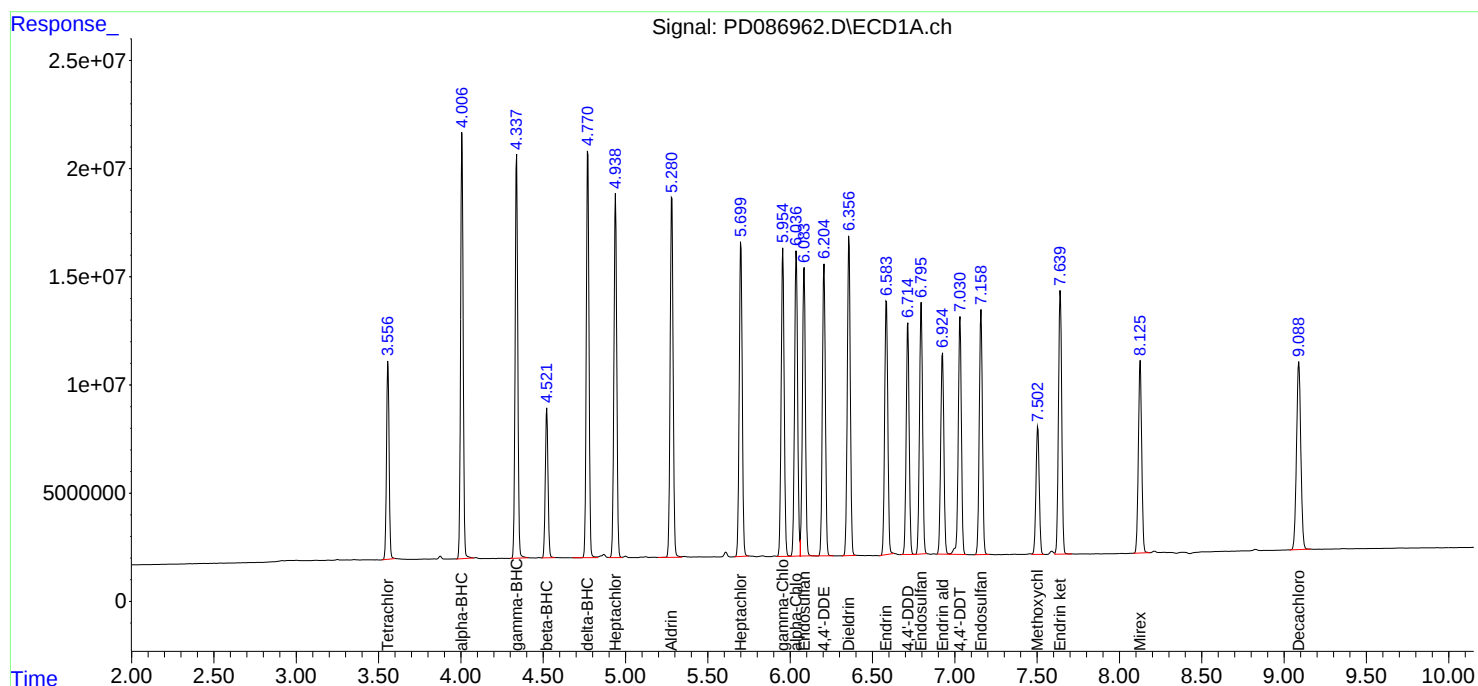
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

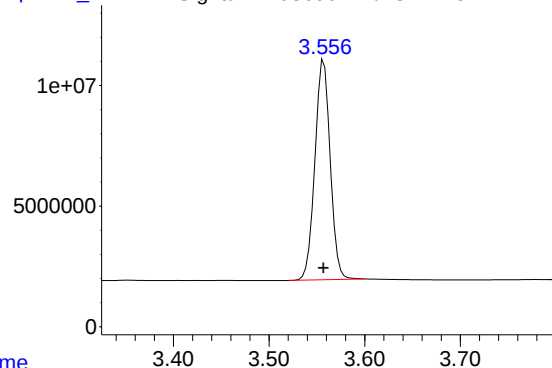
Instrument :
ECD_D
ClientSampleId :
ICVPD112724

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 15:38:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086962.D\ECD1A.ch

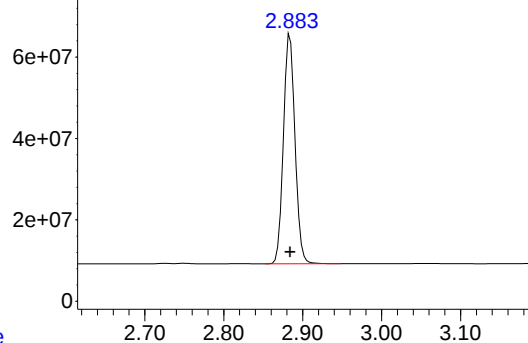


#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 101712456
Conc: 50.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

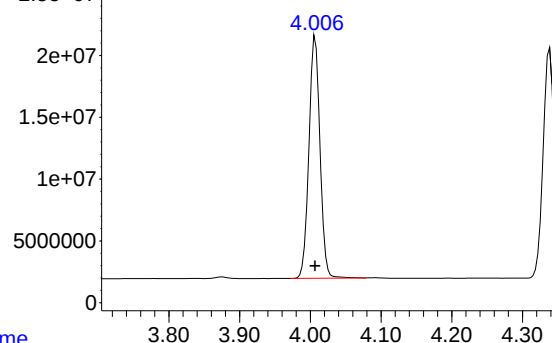
Time Response_ Signal: PD086962.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 574329516
Conc: 50.18 ng/ml

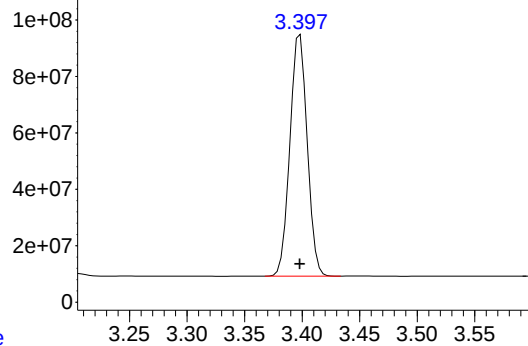
Time Response_ Signal: PD086962.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 212615397
Conc: 52.84 ng/ml

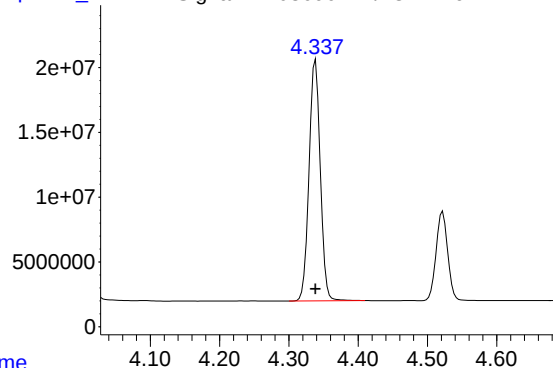
Time Response_ Signal: PD086962.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 898377835
Conc: 50.98 ng/ml

Response_ Signal: PD086962.D\ECD1A.ch

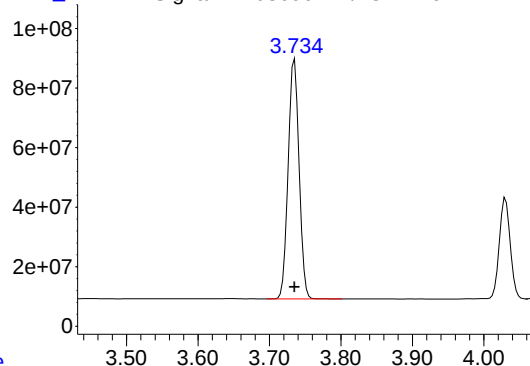


#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 209387402
Conc: 52.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

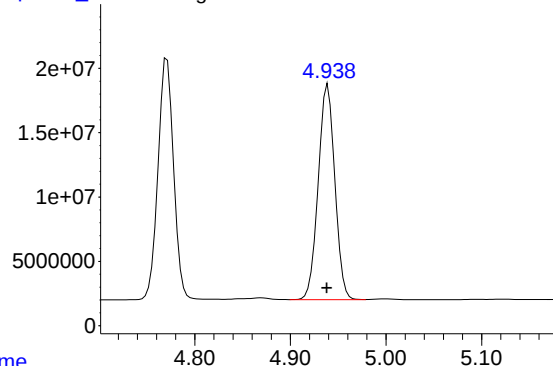
Time Response_ Signal: PD086962.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 851990144
Conc: 50.73 ng/ml

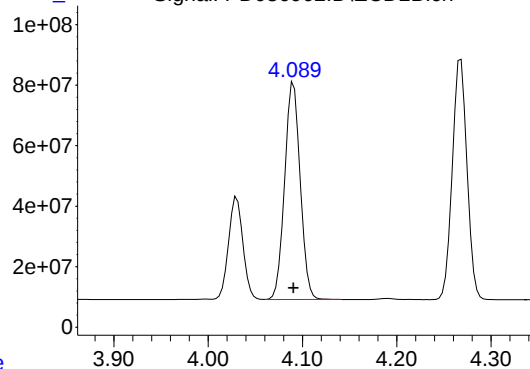
Time Response_ Signal: PD086962.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.001 min
Response: 202959841
Conc: 51.69 ng/ml

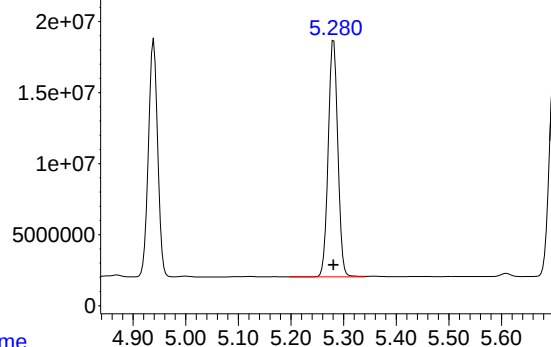
Time Response_ Signal: PD086962.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.091 min
Delta R.T.: 0.000 min
Response: 822039532
Conc: 50.57 ng/ml

Response_ Signal: PD086962.D\ECD1A.ch

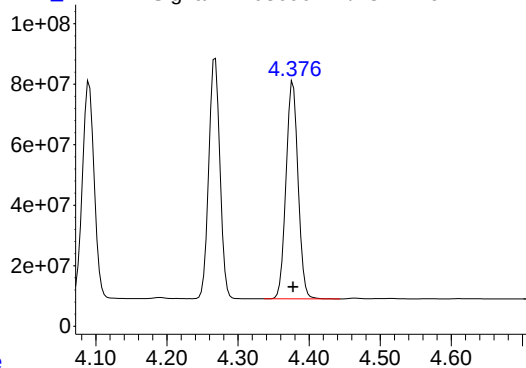


#5 Aldrin

R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 212071112
Conc: 52.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

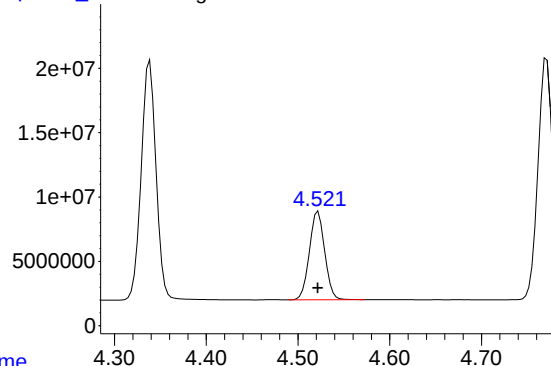
Time Response_ Signal: PD086962.D\ECD2B.ch



#5 Aldrin

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 845368139
Conc: 50.57 ng/ml

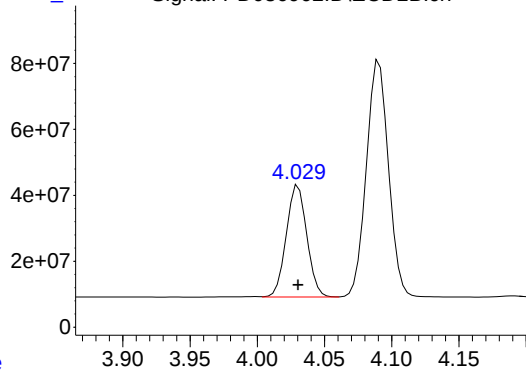
Time Response_ Signal: PD086962.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 79564305
Conc: 50.45 ng/ml

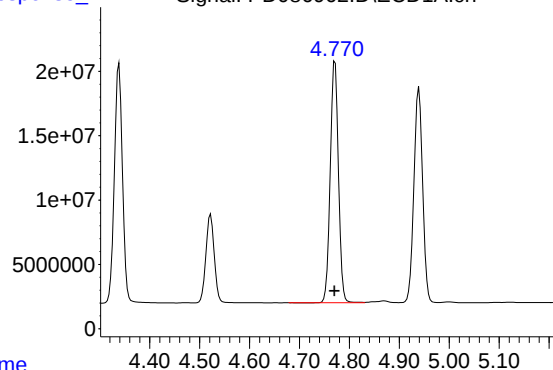
Time Response_ Signal: PD086962.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 359191535
Conc: 50.15 ng/ml

Response_ Signal: PD086962.D\ECD1A.ch

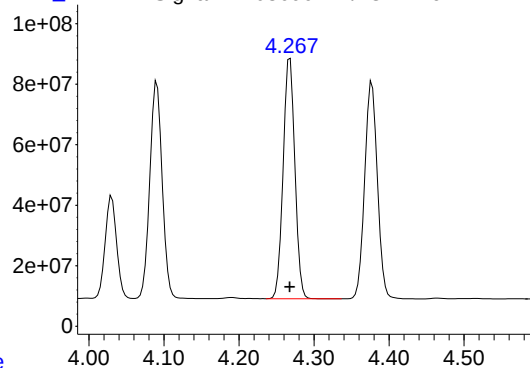


#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.001 min
Response: 214099858
Conc: 52.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

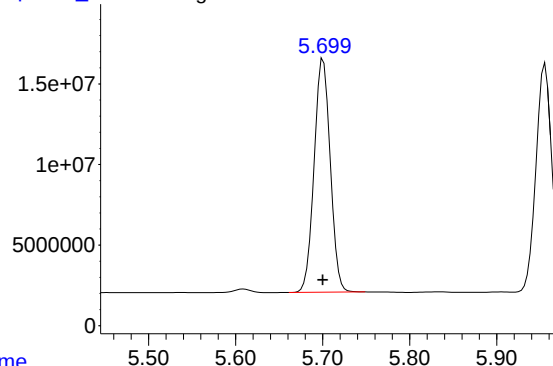
Time Response_ Signal: PD086962.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 864225499
Conc: 50.83 ng/ml

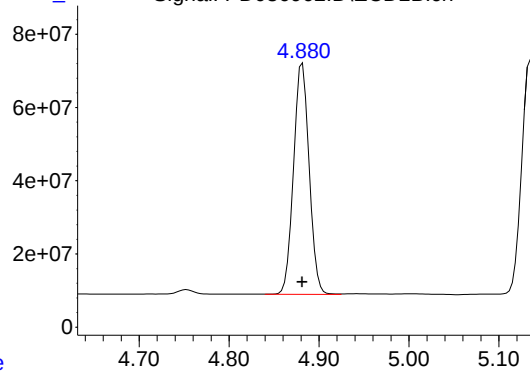
Time Response_ Signal: PD086962.D\ECD1A.ch



#8 Heptachlor epoxide

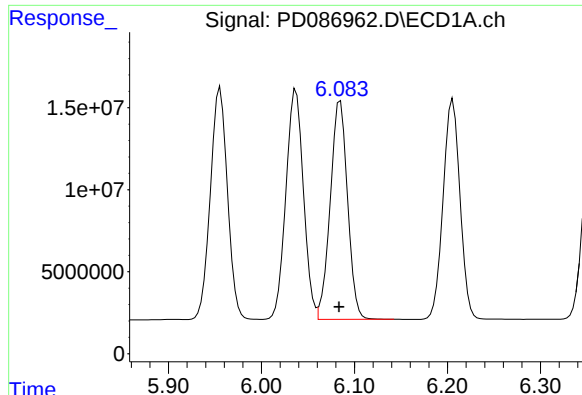
R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 186671328
Conc: 51.66 ng/ml

Time Response_ Signal: PD086962.D\ECD2B.ch



#8 Heptachlor epoxide

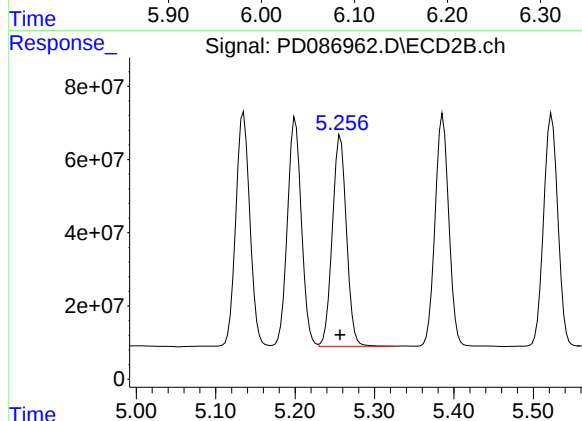
R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 760772213
Conc: 50.10 ng/ml



#9 Endosulfan I

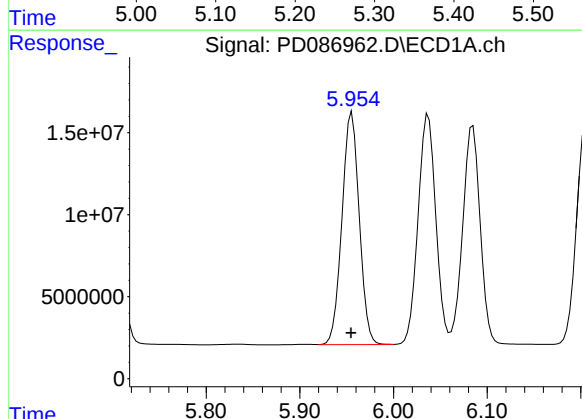
R.T.: 6.085 min
Delta R.T.: 0.001 min
Response: 172578110
Conc: 51.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



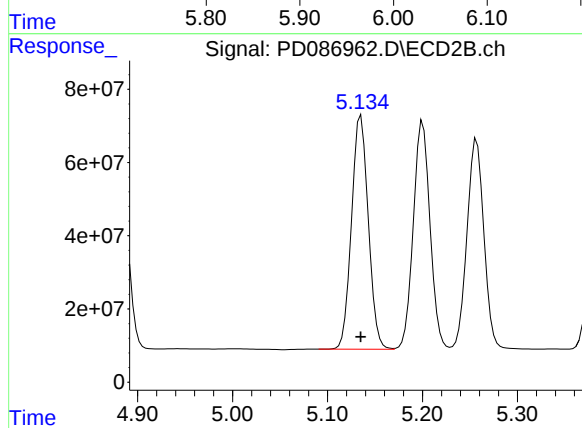
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 713358140
Conc: 50.25 ng/ml



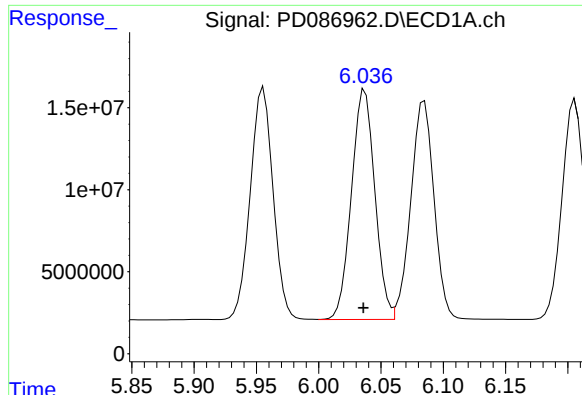
#10 gamma-Chlordane

R.T.: 5.956 min
Delta R.T.: 0.000 min
Response: 181601926
Conc: 51.40 ng/ml



#10 gamma-Chlordane

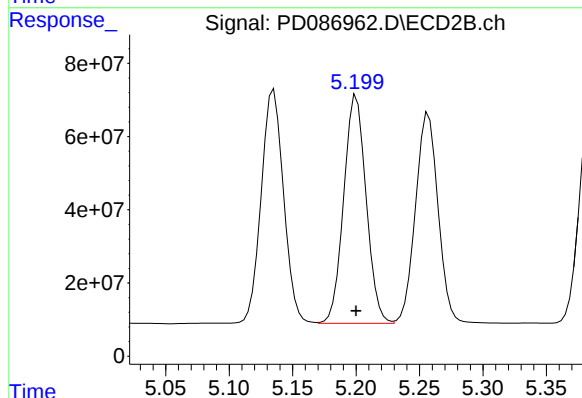
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 783809763
Conc: 50.39 ng/ml



#11 alpha-Chlordane

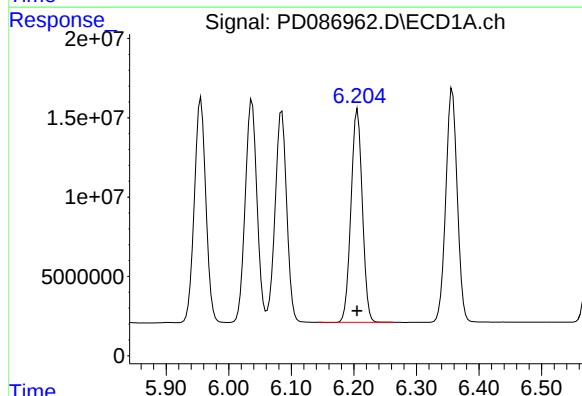
R.T.: 6.037 min
Delta R.T.: 0.001 min
Response: 184149765
Conc: 51.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



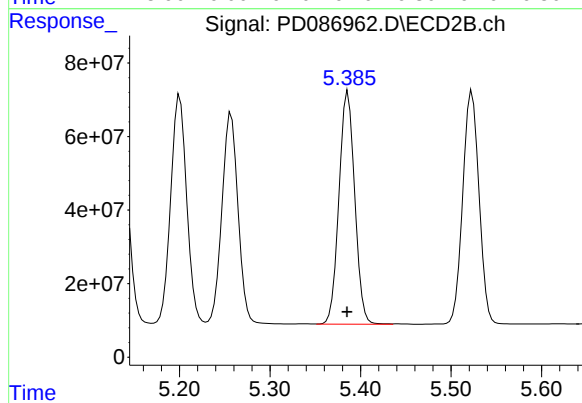
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 765666441
Conc: 50.10 ng/ml



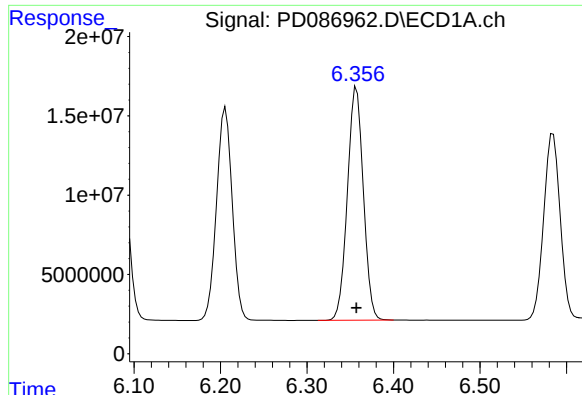
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 169341421
Conc: 52.05 ng/ml



#12 4,4'-DDE

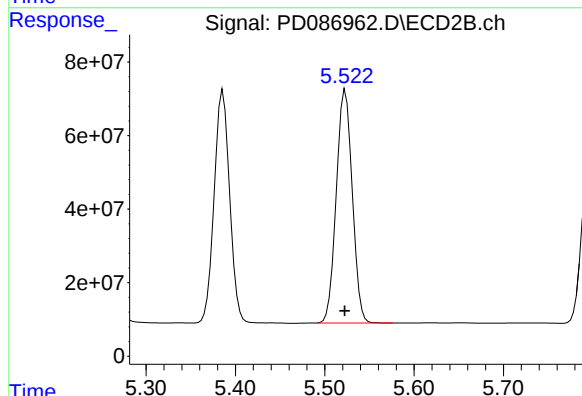
R.T.: 5.386 min
Delta R.T.: 0.000 min
Response: 765279311
Conc: 50.77 ng/ml



#13 Dieldrin

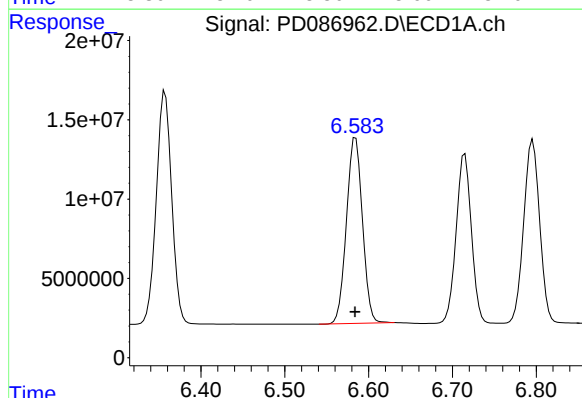
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 187252231
Conc: 51.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



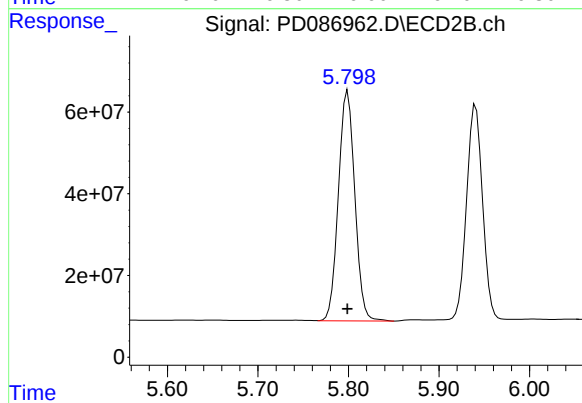
#13 Dieldrin

R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 788854244
Conc: 50.66 ng/ml



#14 Endrin

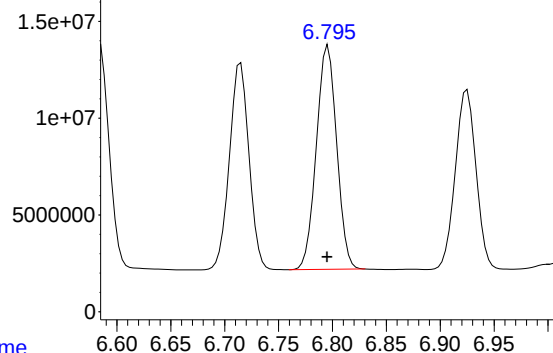
R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 155762387
Conc: 51.48 ng/ml



#14 Endrin

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 709376880
Conc: 50.71 ng/ml

Response_ Signal: PD086962.D\ECD1A.ch

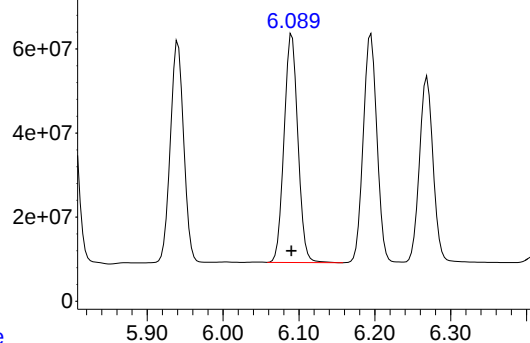


#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 152011698
Conc: 50.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

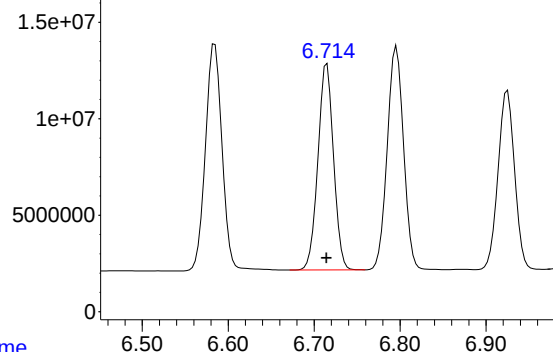
Time Response_ Signal: PD086962.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: 0.000 min
Response: 689189281
Conc: 50.07 ng/ml

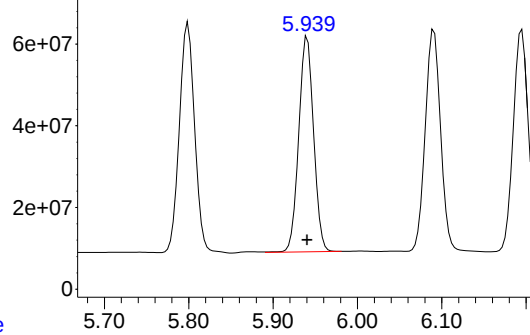
Time Response_ Signal: PD086962.D\ECD1A.ch



#16 4,4'-DDD

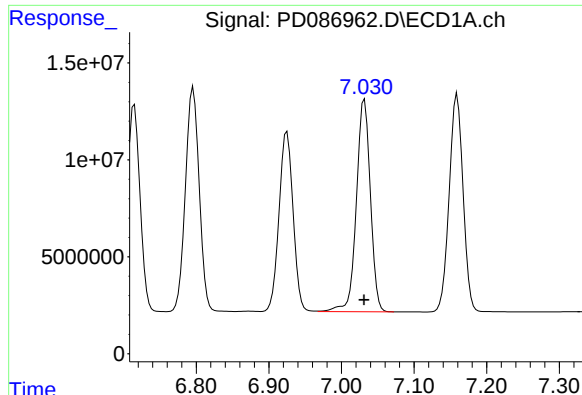
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 134962329
Conc: 51.92 ng/ml

Time Response_ Signal: PD086962.D\ECD2B.ch



#16 4,4'-DDD

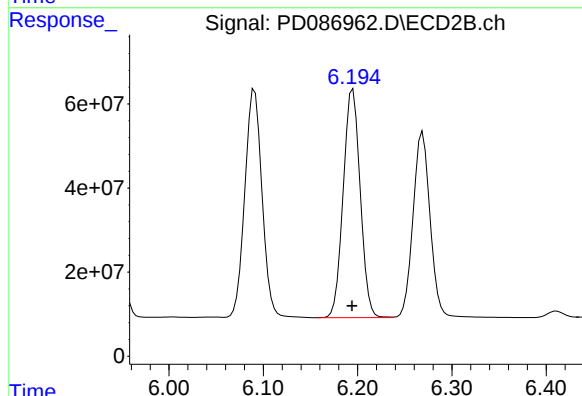
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 645932773
Conc: 51.39 ng/ml



#17 4,4'-DDT

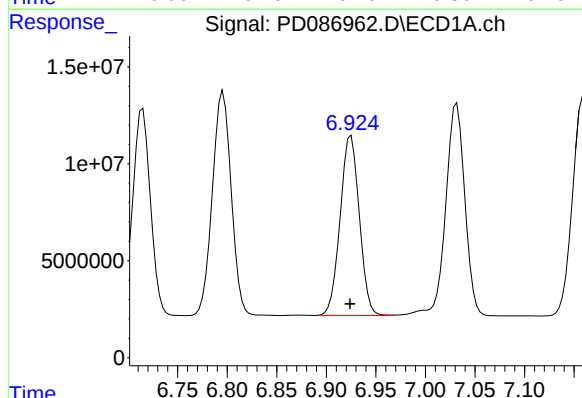
R.T.: 7.032 min
Delta R.T.: 0.000 min
Response: 146806314
Conc: 51.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



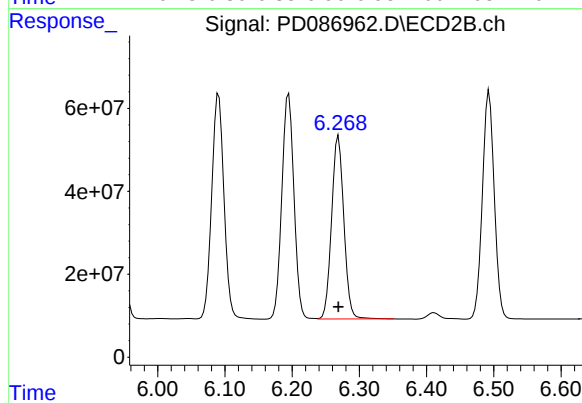
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 681804554
Conc: 51.13 ng/ml



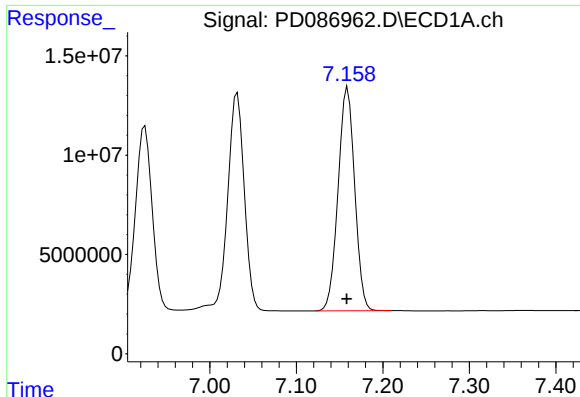
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.001 min
Response: 124504601
Conc: 50.93 ng/ml



#18 Endrin aldehyde

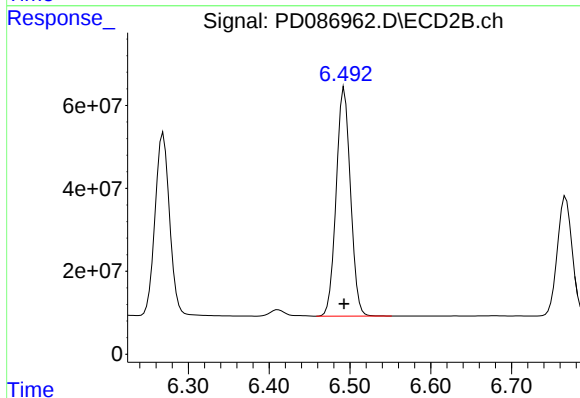
R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 555010725
Conc: 50.03 ng/ml



#19 Endosulfan Sulfate

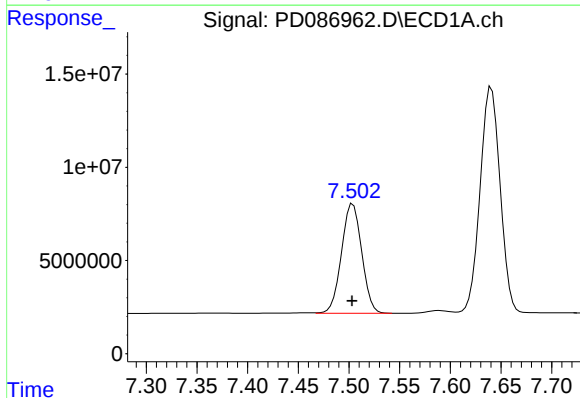
R.T.: 7.159 min
Delta R.T.: 0.001 min
Response: 149039478
Conc: 51.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



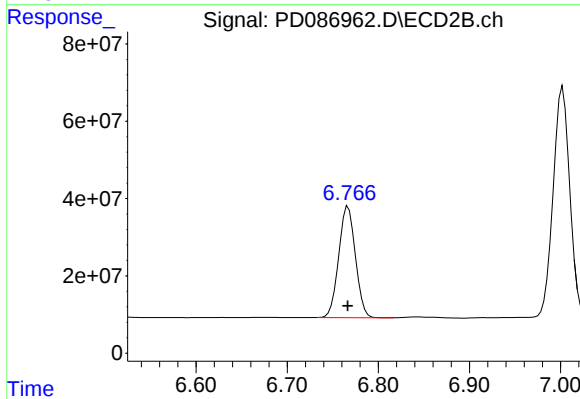
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 674958459
Conc: 49.89 ng/ml



#20 Methoxychlor

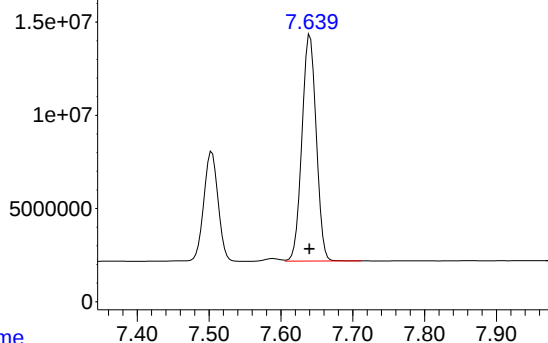
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 81425107
Conc: 50.91 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 366613748
Conc: 51.11 ng/ml

Response_ Signal: PD086962.D\ECD1A.ch

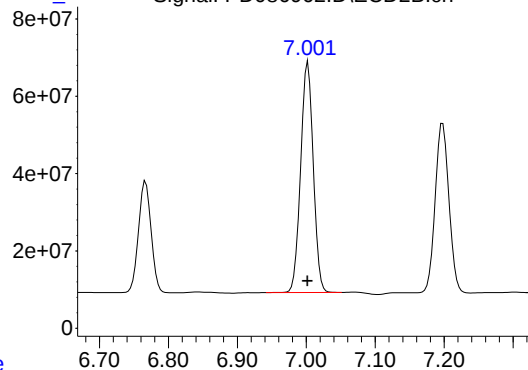


#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 167517436
Conc: 51.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

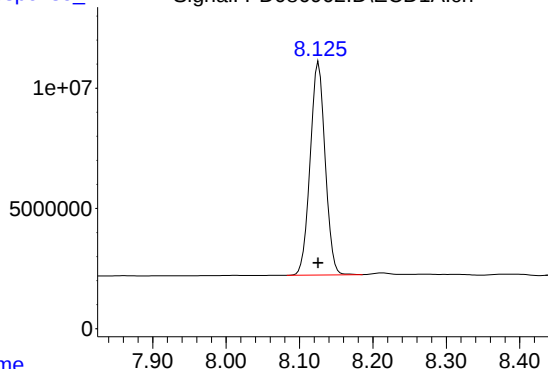
Time Response_ Signal: PD086962.D\ECD2B.ch



#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 759263073
Conc: 50.38 ng/ml

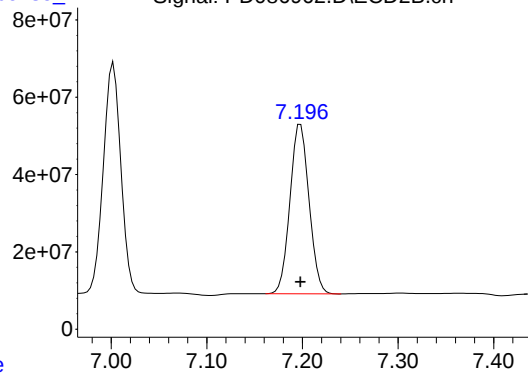
Time Response_ Signal: PD086962.D\ECD1A.ch



#22 Mirex

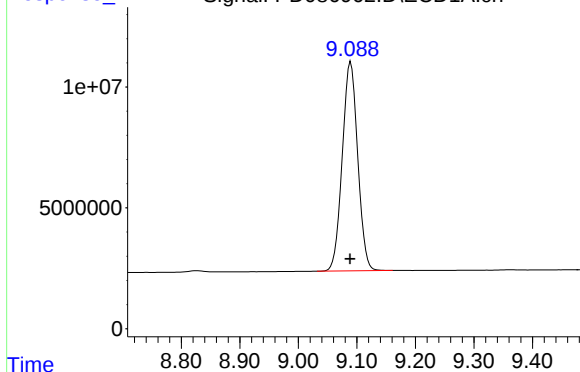
R.T.: 8.126 min
Delta R.T.: 0.000 min
Response: 125543880
Conc: 50.32 ng/ml

Time Response_ Signal: PD086962.D\ECD2B.ch



#22 Mirex

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 609466919
Conc: 49.43 ng/ml



R.T.: 9.090 min
Delta R.T.: 0.000 min
Response: 158447929
Conc: 49.81 ng/ml

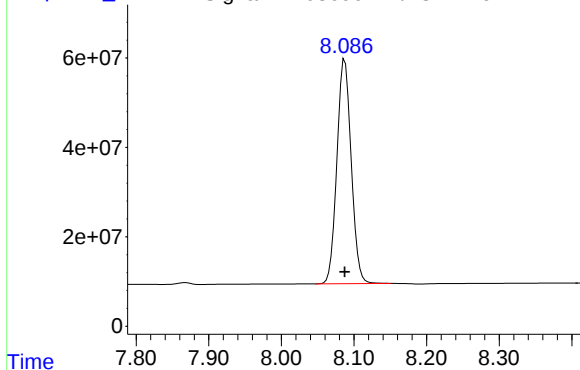
Instrument :
ECD_D
ClientSampleId :
ICVPD112724

Time

Response_

Signal: PD086962.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 686784325
Conc: 49.29 ng/ml

Time



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Continuing Calib Date: 12/06/2024 Initial Calibration Date(s): 11/27/2024 11/27/2024

Continuing Calib Time: 14:56 Initial Calibration Time(s): 11:29 12:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.09	9.09	8.99	9.19	0.00
Tetrachloro-m-xylene	3.56	3.56	3.46	3.66	0.00
gamma-BHC (Lindane)	4.34	4.34	4.24	4.44	0.00
Heptachlor	4.94	4.94	4.84	5.04	0.00
Heptachlor epoxide	5.70	5.70	5.60	5.80	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Continuing Calib Date: 12/06/2024 Initial Calibration Date(s): 11/27/2024 11/27/2024

Continuing Calib Time: 14:56 Initial Calibration Time(s): 11:29 12:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.74	3.64	3.84	0.01
Heptachlor	4.09	4.09	3.99	4.19	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.80	5.80	5.70	5.90	0.00
Methoxychlor	6.77	6.77	6.67	6.87	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/27/2024 11/27/2024

Client Sample No.: CCAL01 Date Analyzed: 12/06/2024

Lab Sample No.: PSTDCCC050 Data File : PD087057.D Time Analyzed: 14:56

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.087	8.989	9.189	45.880	50.000	-8.2
Endrin	6.584	6.484	6.684	49.160	50.000	-1.7
gamma-BHC (Lindane)	4.338	4.238	4.438	53.280	50.000	6.6
Heptachlor	4.938	4.838	5.038	51.910	50.000	3.8
Heptachlor epoxide	5.701	5.600	5.800	51.380	50.000	2.8
Methoxychlor	7.504	7.403	7.603	44.990	50.000	-10.0
Tetrachloro-m-xylene	3.557	3.457	3.657	51.640	50.000	3.3



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/27/2024 11/27/2024

Client Sample No.: CCAL01 Date Analyzed: 12/06/2024

Lab Sample No.: PSTDCCC050 Data File : PD087057.D Time Analyzed: 14:56

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.087	7.987	8.187	45.650	50.000	-8.7
Endrin	5.798	5.699	5.899	48.840	50.000	-2.3
gamma-BHC (Lindane)	3.734	3.635	3.835	51.400	50.000	2.8
Heptachlor	4.090	3.990	4.190	49.990	50.000	0.0
Heptachlor epoxide	4.881	4.781	4.981	50.080	50.000	0.2
Methoxychlor	6.765	6.667	6.867	46.620	50.000	-6.8
Tetrachloro-m-xylene	2.884	2.784	2.984	51.250	50.000	2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:56
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: Dec 06 22:22:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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...	3.557	2.884	103.3E6	586.6E6	51.644	51.246
28) SA Decachlor...	9.087	8.087	146.0E6	636.1E6	45.884	45.652
Target Compounds						
2) A alpha-BHC	4.007	3.398	216.8E6	916.9E6	53.865	52.035
3) MA gamma-BHC...	4.338	3.734	212.5E6	863.2E6	53.284	51.398
4) MA Heptachlor	4.938	4.090	203.8E6	812.6E6	51.906	49.989
5) MB Aldrin	5.281	4.376	212.2E6	862.7E6	52.059	51.604
6) B beta-BHC	4.521	4.030	80498874	362.5E6	51.039	50.614
7) B delta-BHC	4.770	4.267	215.9E6	877.1E6	52.970	51.590
8) B Heptachlo...	5.701	4.881	185.7E6	760.4E6	51.382	50.082
9) A Endosulfan I	6.084	5.256	170.0E6	713.3E6	50.648	50.245
10) B gamma-Chl...	5.955	5.134	180.0E6	785.7E6	50.962	50.509
11) B alpha-Chl...	6.037	5.199	180.8E6	767.8E6	50.592	50.242
12) B 4,4'-DDE	6.205	5.385	164.1E6	779.8E6	50.449	51.730
13) MA Dieldrin	6.357	5.522	182.4E6	782.9E6	50.481	50.277
14) MA Endrin	6.584	5.798	148.8E6	683.2E6	49.159	48.839
15) B Endosulfa...	6.795	6.090	150.5E6	675.6E6	50.355	49.087
16) A 4,4'-DDD	6.715	5.940	132.6E6	644.8E6	51.011	51.300
17) MA 4,4'-DDT	7.031	6.194	131.5E6	622.8E6	46.537	46.705
18) B Endrin al...	6.924	6.268	118.6E6	538.4E6	48.502	48.534
19) B Endosulfa...	7.159	6.492	141.5E6	657.0E6	48.624	48.559
20) A Methoxychlor	7.504	6.765	71957142	334.4E6	44.993	46.618
21) B Endrin ke...	7.640	7.001	157.7E6	723.3E6	48.579	47.993
22) Mirex	8.125	7.197	116.5E6	571.8E6	46.688	46.375

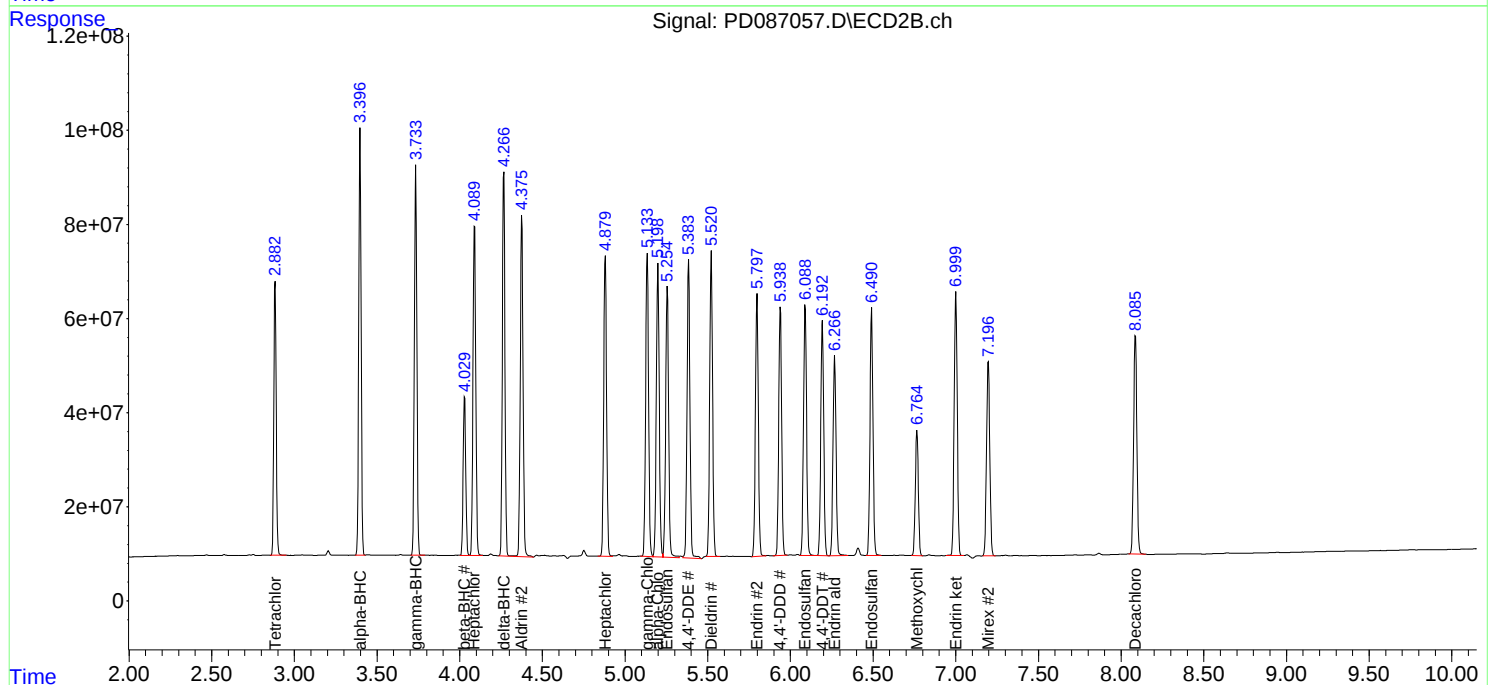
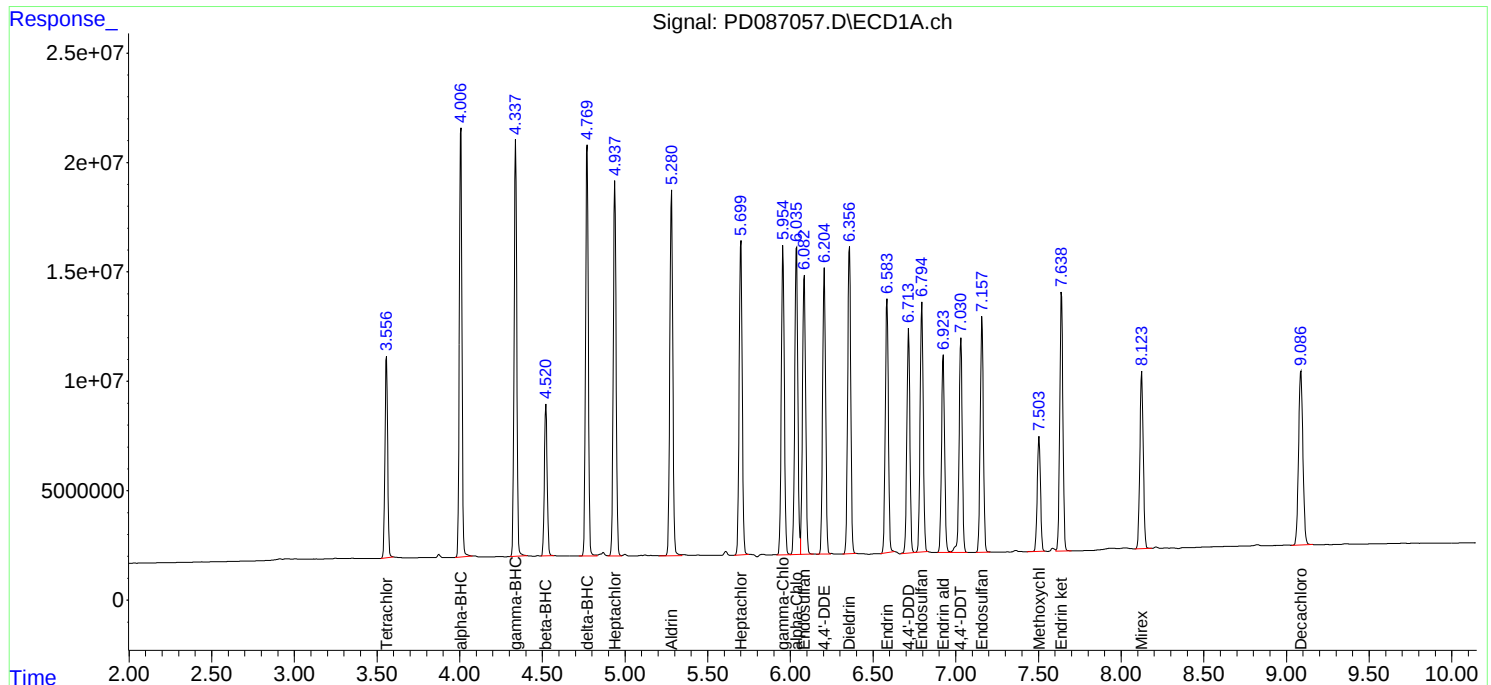
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

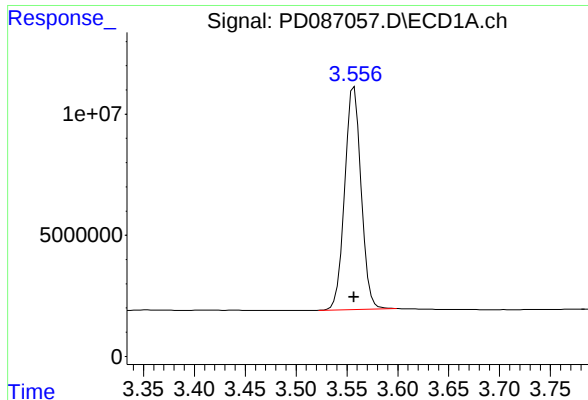
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:22:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

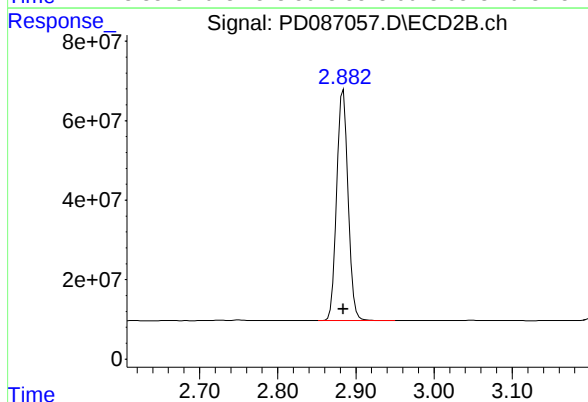




#1 Tetrachloro-m-xylene

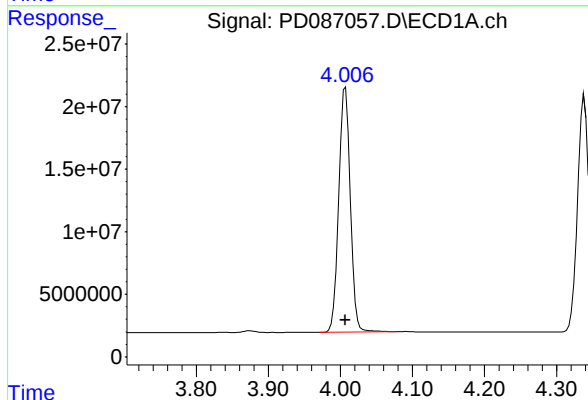
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 103276482
Conc: 51.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



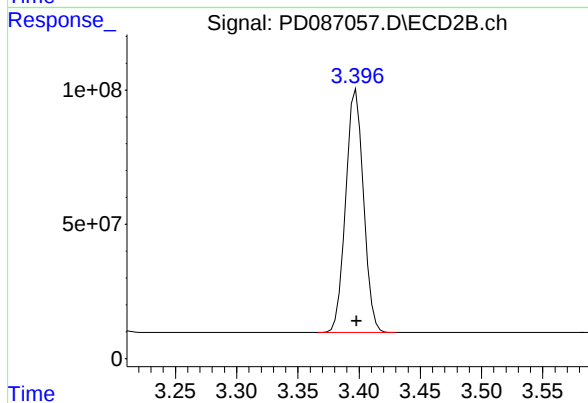
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 586584657
Conc: 51.25 ng/ml



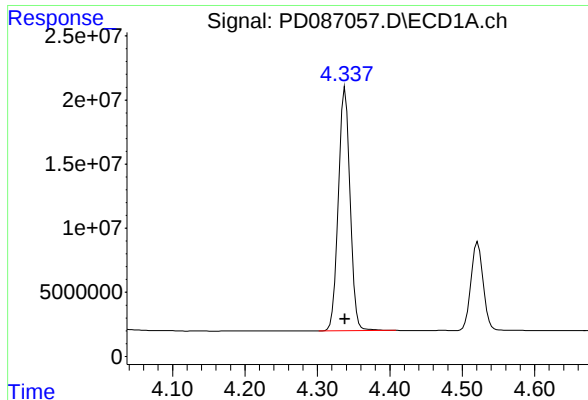
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 216752682
Conc: 53.86 ng/ml



#2 alpha-BHC

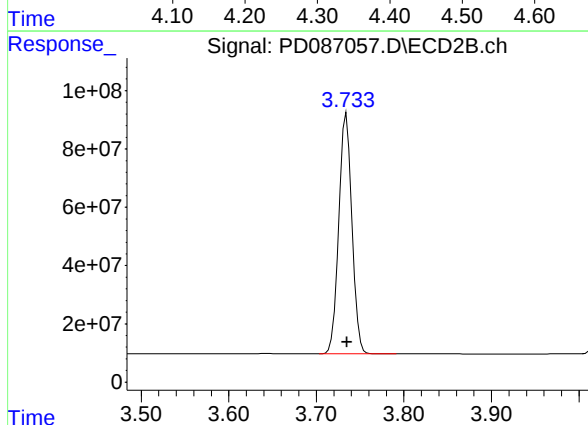
R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 916911988
Conc: 52.04 ng/ml



#3 gamma-BHC (Lindane)

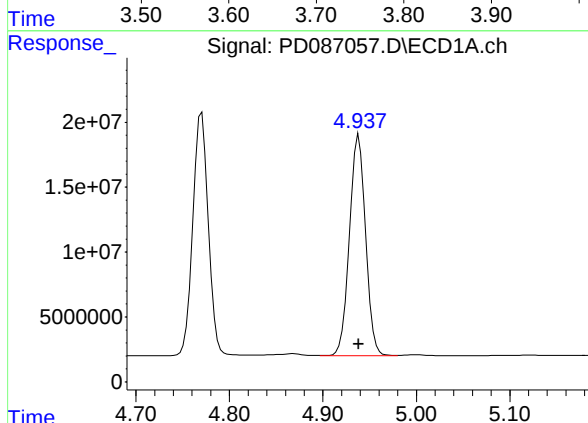
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 212520926
Conc: 53.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



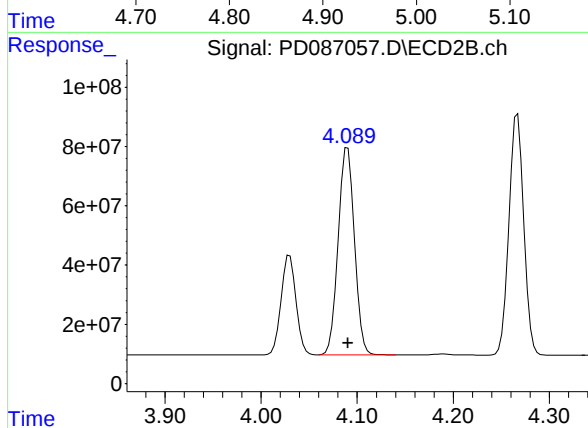
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 863216713
Conc: 51.40 ng/ml



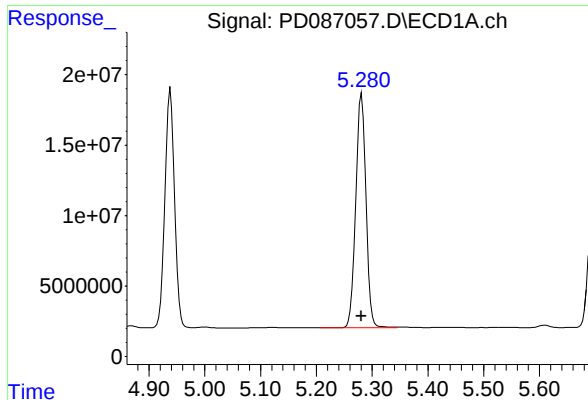
#4 Heptachlor

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 203792983
Conc: 51.91 ng/ml



#4 Heptachlor

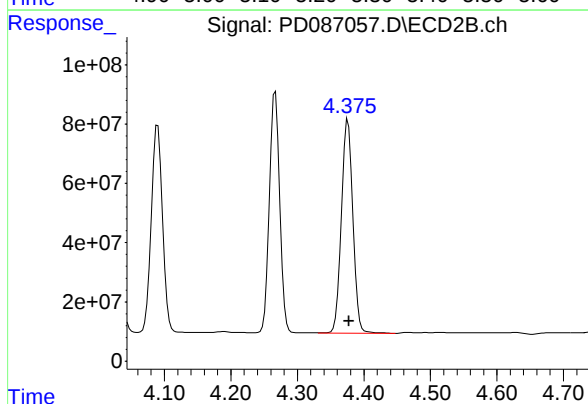
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 812602861
Conc: 49.99 ng/ml



#5 Aldrin

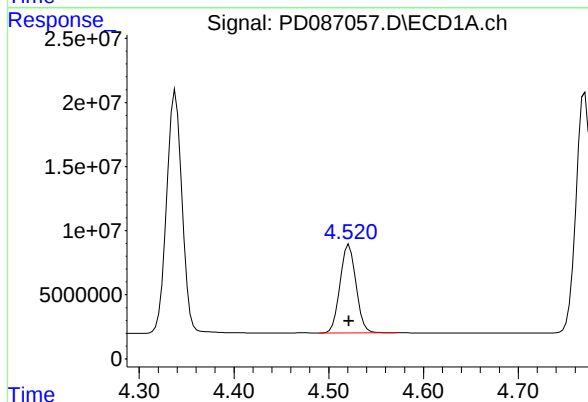
R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 212184671
Conc: 52.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



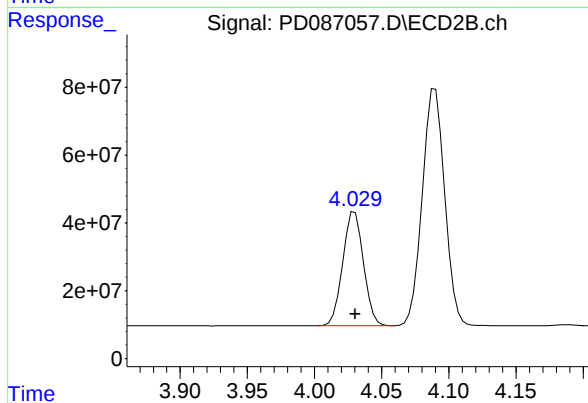
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: -0.001 min
Response: 862674823
Conc: 51.60 ng/ml



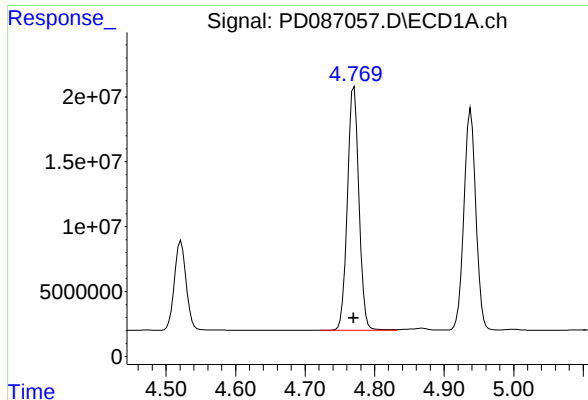
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 80498874
Conc: 51.04 ng/ml



#6 beta-BHC

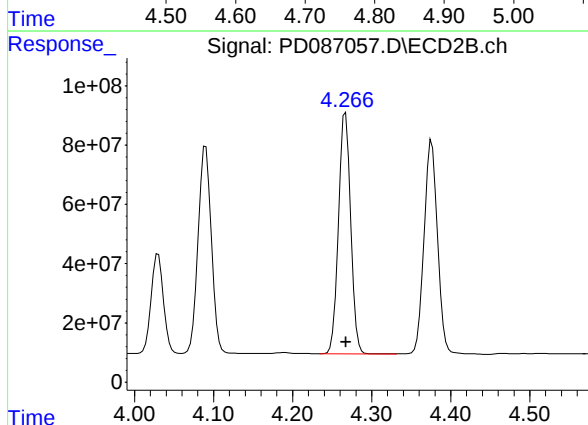
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 362488152
Conc: 50.61 ng/ml



#7 delta-BHC

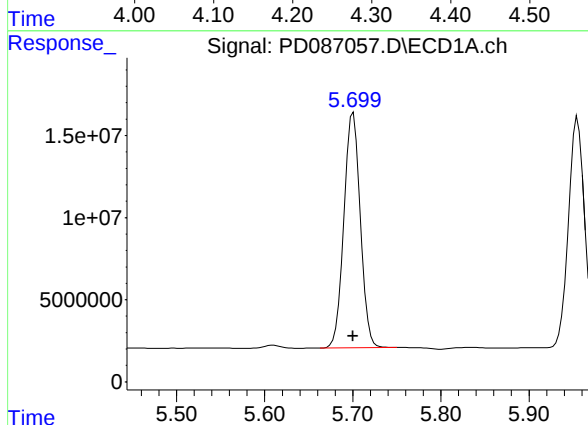
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 215911564
Conc: 52.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



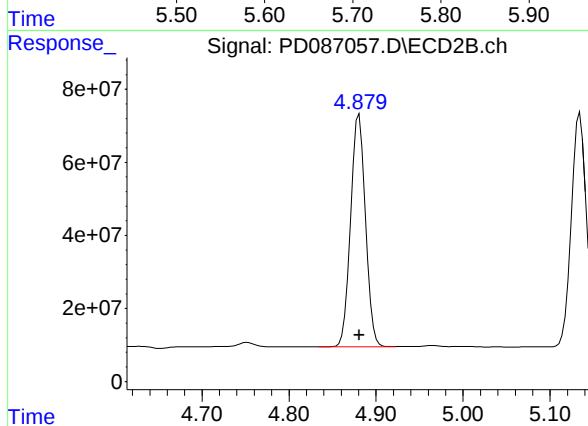
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 877141165
Conc: 51.59 ng/ml



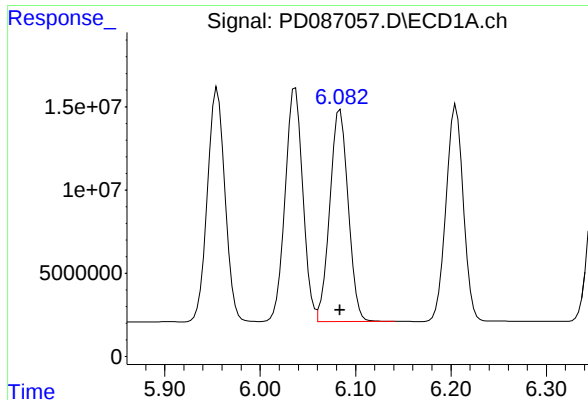
#8 Heptachlor epoxide

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 185673904
Conc: 51.38 ng/ml



#8 Heptachlor epoxide

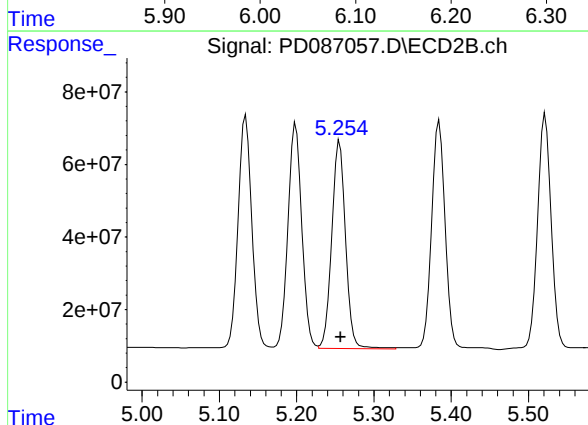
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 760443559
Conc: 50.08 ng/ml



#9 Endosulfan I

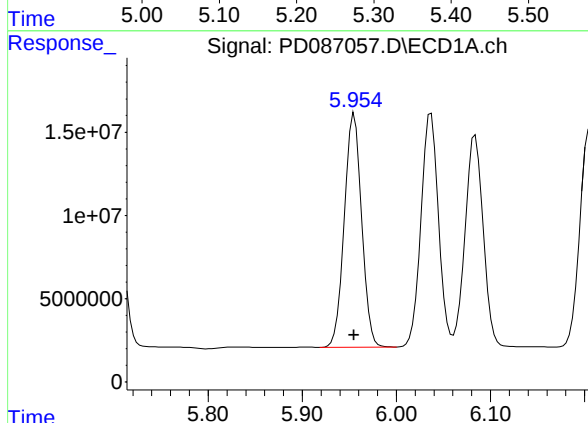
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 169964604
Conc: 50.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



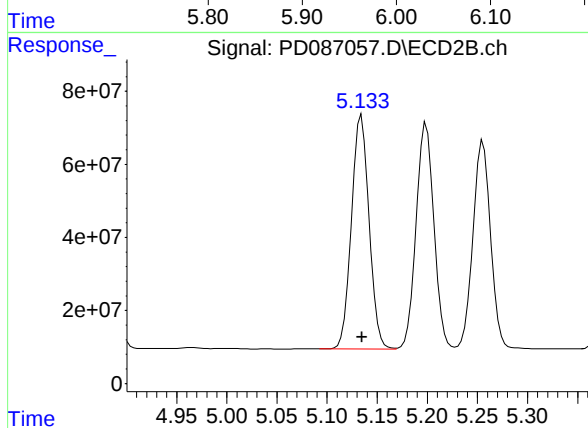
#9 Endosulfan I

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 713302202
Conc: 50.24 ng/ml



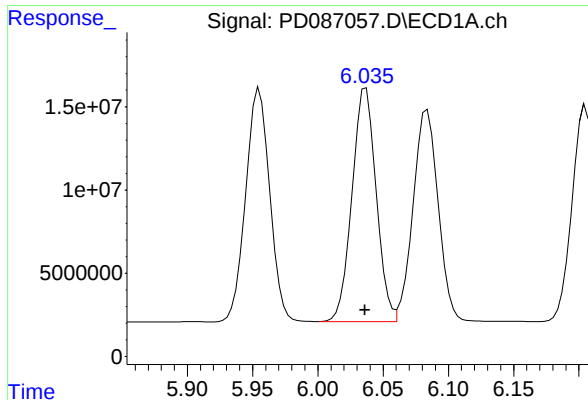
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 180047662
Conc: 50.96 ng/ml



#10 gamma-Chlordane

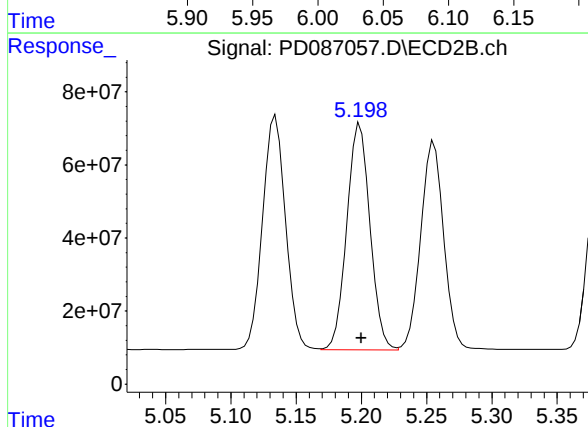
R.T.: 5.134 min
Delta R.T.: 0.000 min
Response: 785695233
Conc: 50.51 ng/ml



#11 alpha-Chlordane

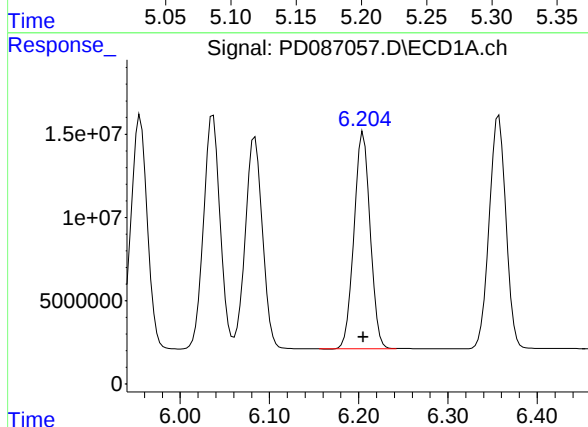
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 180758183
Conc: 50.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



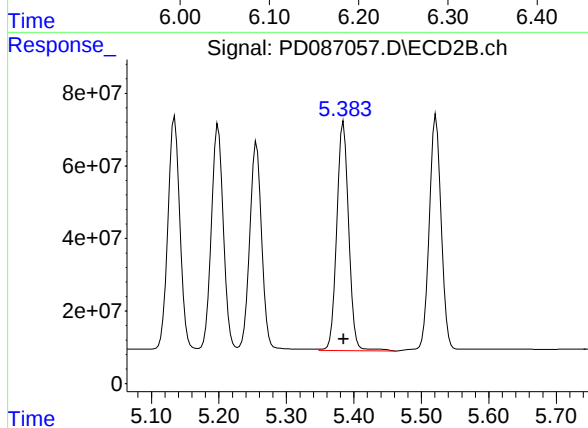
#11 alpha-Chlordane

R.T.: 5.199 min
Delta R.T.: -0.001 min
Response: 767800583
Conc: 50.24 ng/ml



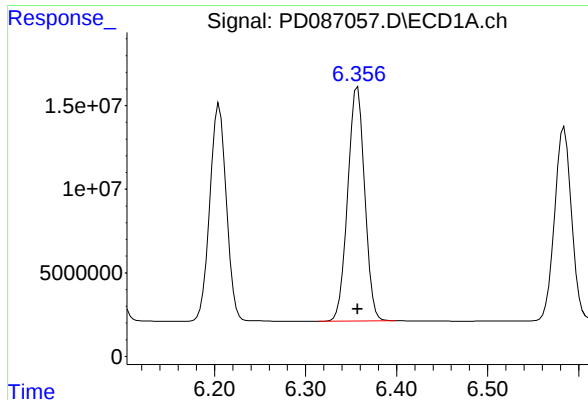
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 164143693
Conc: 50.45 ng/ml



#12 4,4'-DDE

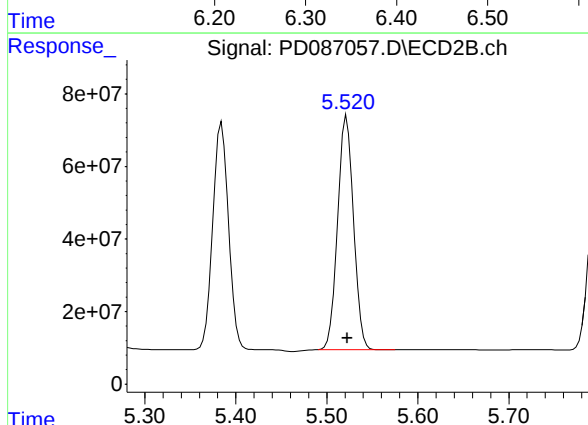
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 779805640
Conc: 51.73 ng/ml



#13 Dieldrin

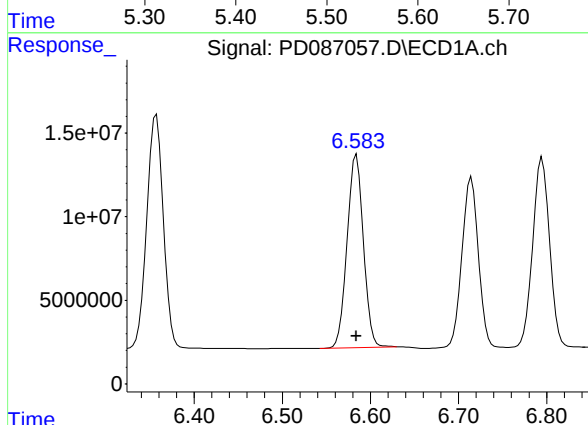
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 182371254
Conc: 50.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



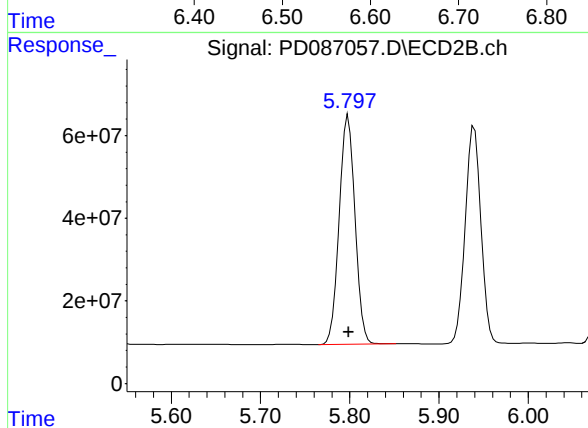
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 782907653
Conc: 50.28 ng/ml



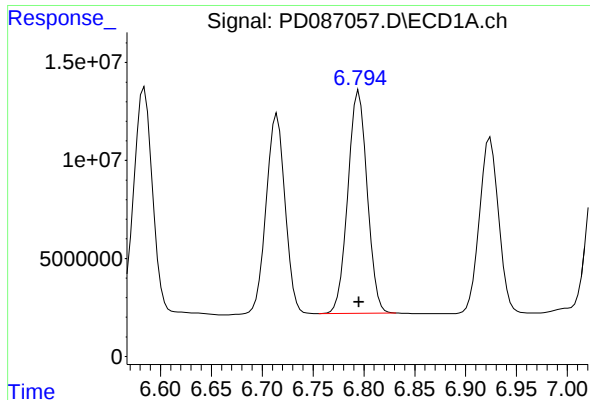
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 148754395
Conc: 49.16 ng/ml



#14 Endrin

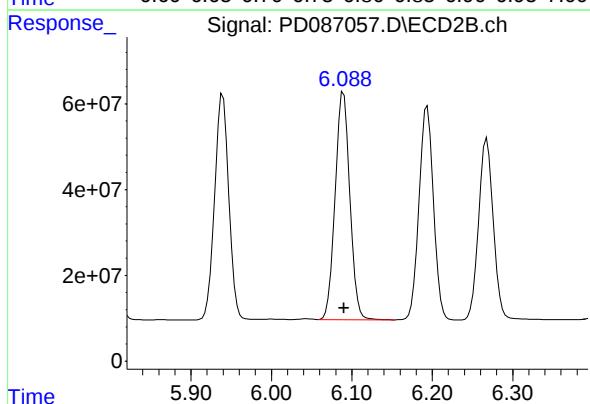
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 683192575
Conc: 48.84 ng/ml



#15 Endosulfan II

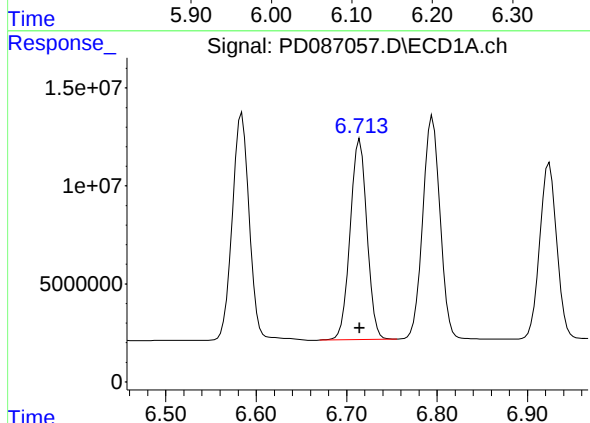
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 150510662
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



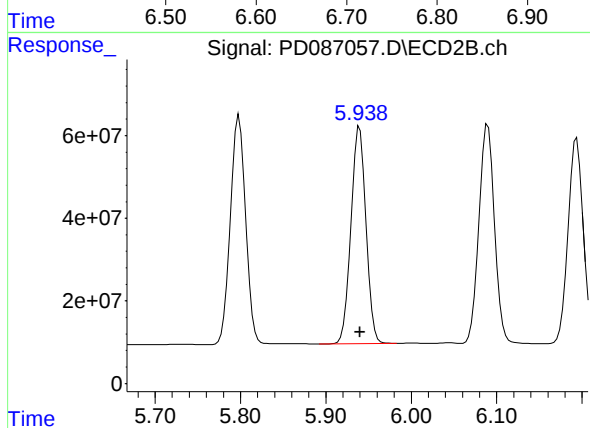
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 675631581
Conc: 49.09 ng/ml



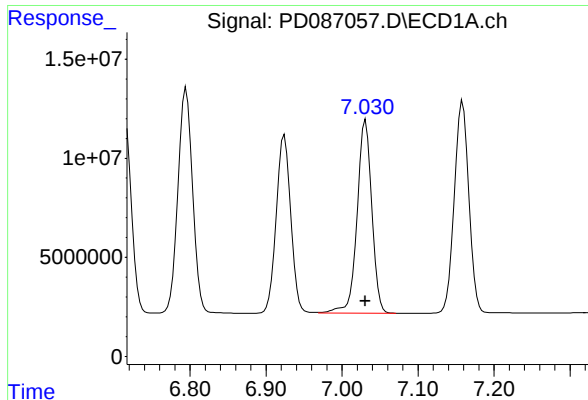
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 132609929
Conc: 51.01 ng/ml



#16 4,4'-DDD

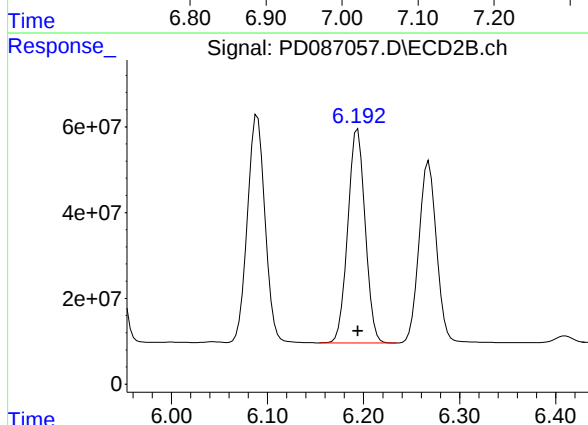
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 644820857
Conc: 51.30 ng/ml



#17 4,4'-DDT

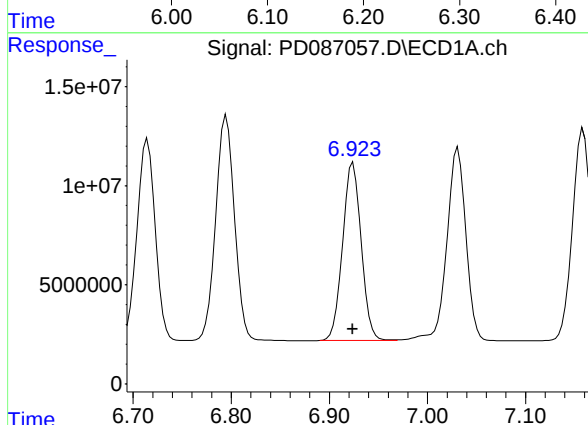
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 131460846
Conc: 46.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



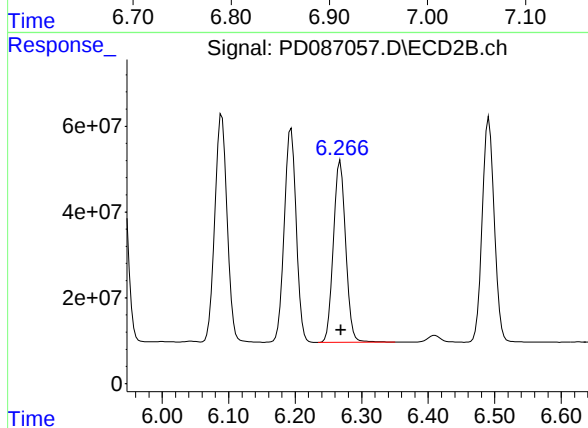
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 622756989
Conc: 46.70 ng/ml



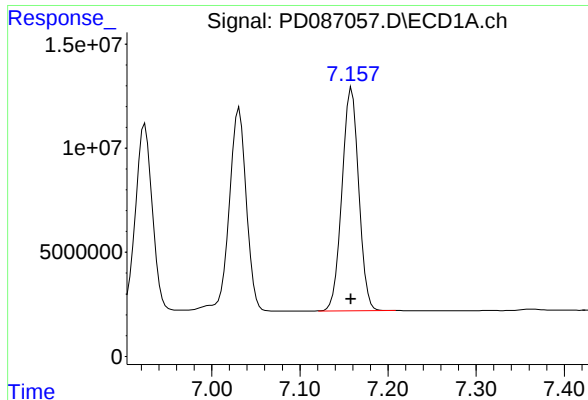
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 118571500
Conc: 48.50 ng/ml



#18 Endrin aldehyde

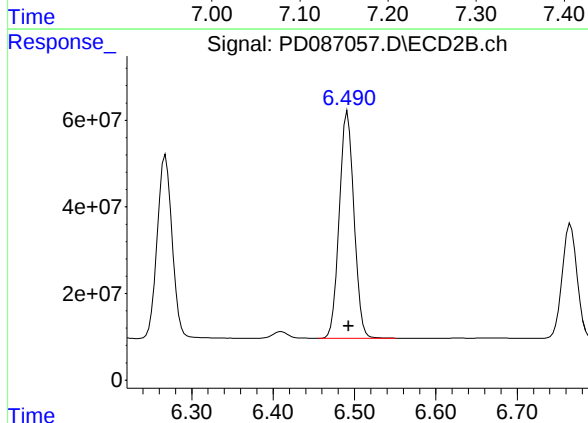
R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 538430145
Conc: 48.53 ng/ml



#19 Endosulfan Sulfate

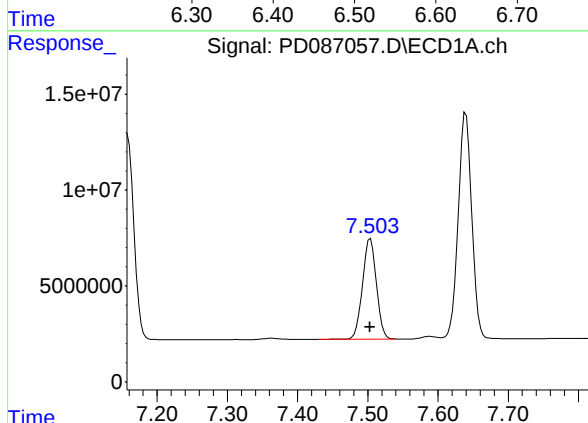
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 141499807
Conc: 48.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



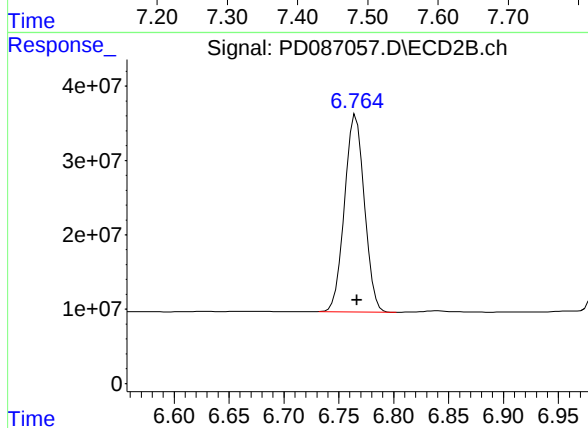
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.001 min
Response: 656989661
Conc: 48.56 ng/ml



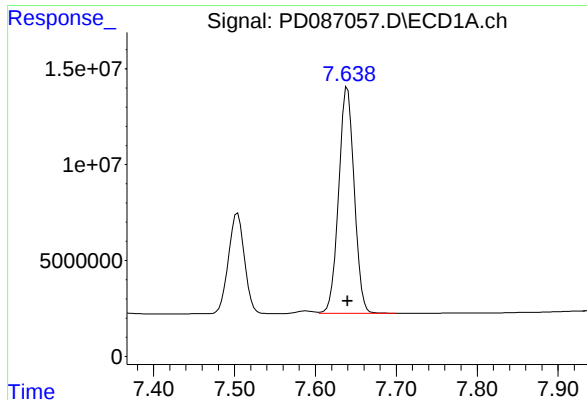
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 71957142
Conc: 44.99 ng/ml



#20 Methoxychlor

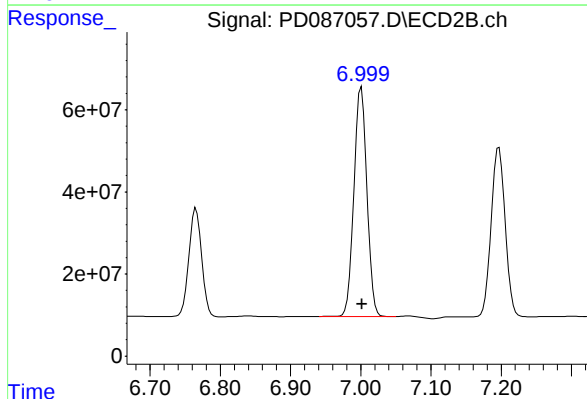
R.T.: 6.765 min
Delta R.T.: -0.001 min
Response: 334404603
Conc: 46.62 ng/ml



#21 Endrin ketone

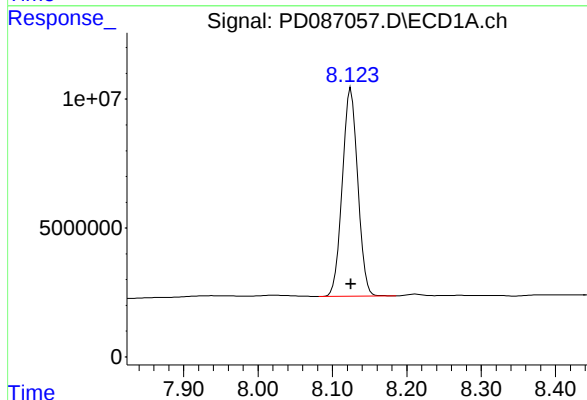
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 157651012
Conc: 48.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



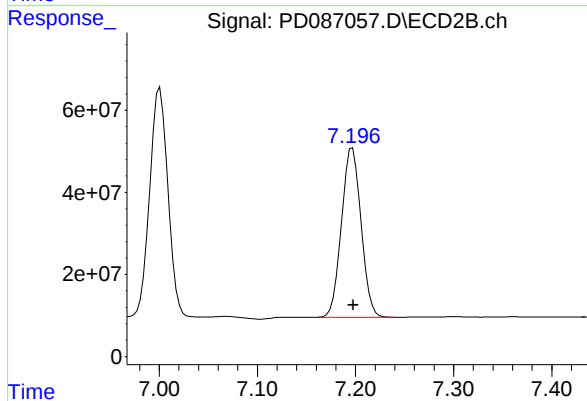
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.001 min
Response: 723335276
Conc: 47.99 ng/ml



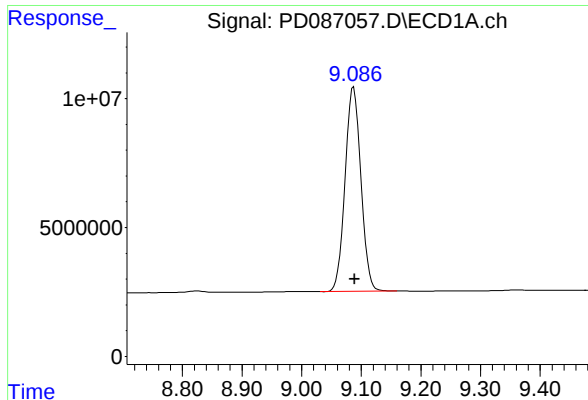
#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 116487488
Conc: 46.69 ng/ml



#22 Mirex

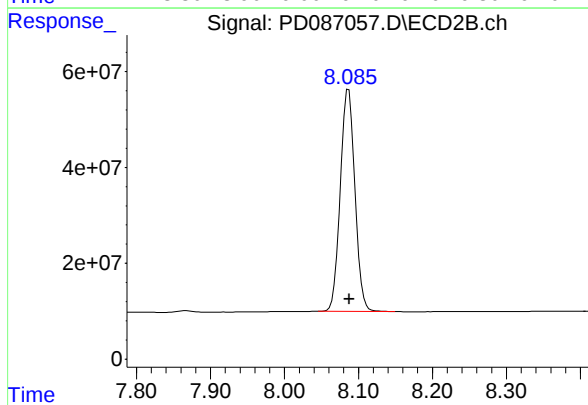
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 571834054
Conc: 46.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.001 min
Response: 145956778
Conc: 45.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 636064939
Conc: 45.65 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Continuing Calib Date: 12/06/2024 Initial Calibration Date(s): 11/27/2024 11/27/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 11:29 12:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.09	9.09	8.99	9.19	0.00
Tetrachloro-m-xylene	3.56	3.56	3.46	3.66	0.00
gamma-BHC (Lindane)	4.34	4.34	4.24	4.44	0.00
Heptachlor	4.94	4.94	4.84	5.04	0.00
Heptachlor epoxide	5.70	5.70	5.60	5.80	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

Continuing Calib Date: 12/06/2024 Initial Calibration Date(s): 11/27/2024 11/27/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 11:29 12:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.74	3.64	3.84	0.01
Heptachlor	4.09	4.09	3.99	4.19	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.80	5.80	5.70	5.90	0.00
Methoxychlor	6.77	6.77	6.67	6.87	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/27/2024 11/27/2024

Client Sample No.: CCAL02 Date Analyzed: 12/06/2024

Lab Sample No.: PSTDCCC050 Data File : PD087071.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.088	8.989	9.189	46.760	50.000	-6.5
Endrin	6.584	6.484	6.684	49.110	50.000	-1.8
gamma-BHC (Lindane)	4.338	4.238	4.438	53.040	50.000	6.1
Heptachlor	4.939	4.838	5.038	51.360	50.000	2.7
Heptachlor epoxide	5.700	5.600	5.800	51.220	50.000	2.4
Methoxychlor	7.503	7.403	7.603	44.410	50.000	-11.2
Tetrachloro-m-xylene	3.557	3.457	3.657	51.600	50.000	3.2



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/27/2024 11/27/2024

Client Sample No.: CCAL02 Date Analyzed: 12/06/2024

Lab Sample No.: PSTDCCC050 Data File : PD087071.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.086	7.987	8.187	46.390	50.000	-7.2
Endrin	5.798	5.699	5.899	48.400	50.000	-3.2
gamma-BHC (Lindane)	3.734	3.635	3.835	51.160	50.000	2.3
Heptachlor	4.089	3.990	4.190	49.530	50.000	-0.9
Heptachlor epoxide	4.880	4.781	4.981	49.660	50.000	-0.7
Methoxychlor	6.766	6.667	6.867	45.880	50.000	-8.2
Tetrachloro-m-xylene	2.883	2.784	2.984	50.830	50.000	1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
 Data File : PD087071.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 18:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 12/09/2024

Supervised By :Ankita Jodhani 12/10/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 06 22:26:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:47:26 2024
 Response via : Initial 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...	3.557	2.883	103.2E6	581.8E6	51.601	50.826
28) SA Decachlor...	9.088	8.086	148.7E6	646.3E6	46.762	46.386
Target Compounds						
2) A alpha-BHC	4.007	3.397	215.8E6	911.2E6	53.627	51.710
3) MA gamma-BHC...	4.338	3.734	211.6E6	859.3E6	53.042	51.164
4) MA Heptachlor	4.939	4.089	201.7E6	805.2E6	51.360	49.533
5) MB Aldrin	5.280	4.376	211.8E6	856.4E6	51.974	51.227
6) B beta-BHC	4.521	4.030	80174100	361.0E6	50.833	50.405
7) B delta-BHC	4.770	4.267	215.5E6	875.5E6	52.858	51.495
8) B Heptachlo...	5.700	4.880	185.1E6	754.0E6	51.221	49.659
9) A Endosulfan I	6.084	5.255	169.6E6	710.0E6	50.538	50.009
10) B gamma-Chl...	5.955	5.134	179.5E6	777.9E6	50.794	50.010
11) B alpha-Chl...	6.036	5.199	180.3E6	760.7E6	50.468	49.775
12) B 4,4'-DDE	6.205	5.383	164.2E6	749.0E6	50.451	49.687m
13) MA Dieldrin	6.356	5.522	182.4E6	774.3E6	50.497	49.728
14) MA Endrin	6.584	5.798	148.6E6	677.0E6	49.113	48.395
15) B Endosulfa...	6.795	6.090	151.2E6	669.3E6	50.599	48.629
16) A 4,4'-DDD	6.714	5.939	135.3E6	648.3E6	52.057	51.573
17) MA 4,4'-DDT	7.031	6.194	128.5E6	602.5E6	45.499	45.189
18) B Endrin al...	6.924	6.268	118.4E6	531.0E6	48.446	47.864
19) B Endosulfa...	7.158	6.492	142.9E6	653.9E6	49.107	48.331
20) A Methoxychlor	7.503	6.766	71018710	329.1E6	44.407	45.879
21) B Endrin ke...	7.639	7.001	159.8E6	727.2E6	49.241	48.249
22) Mirex	8.124	7.198	117.8E6	570.1E6	47.195	46.233

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

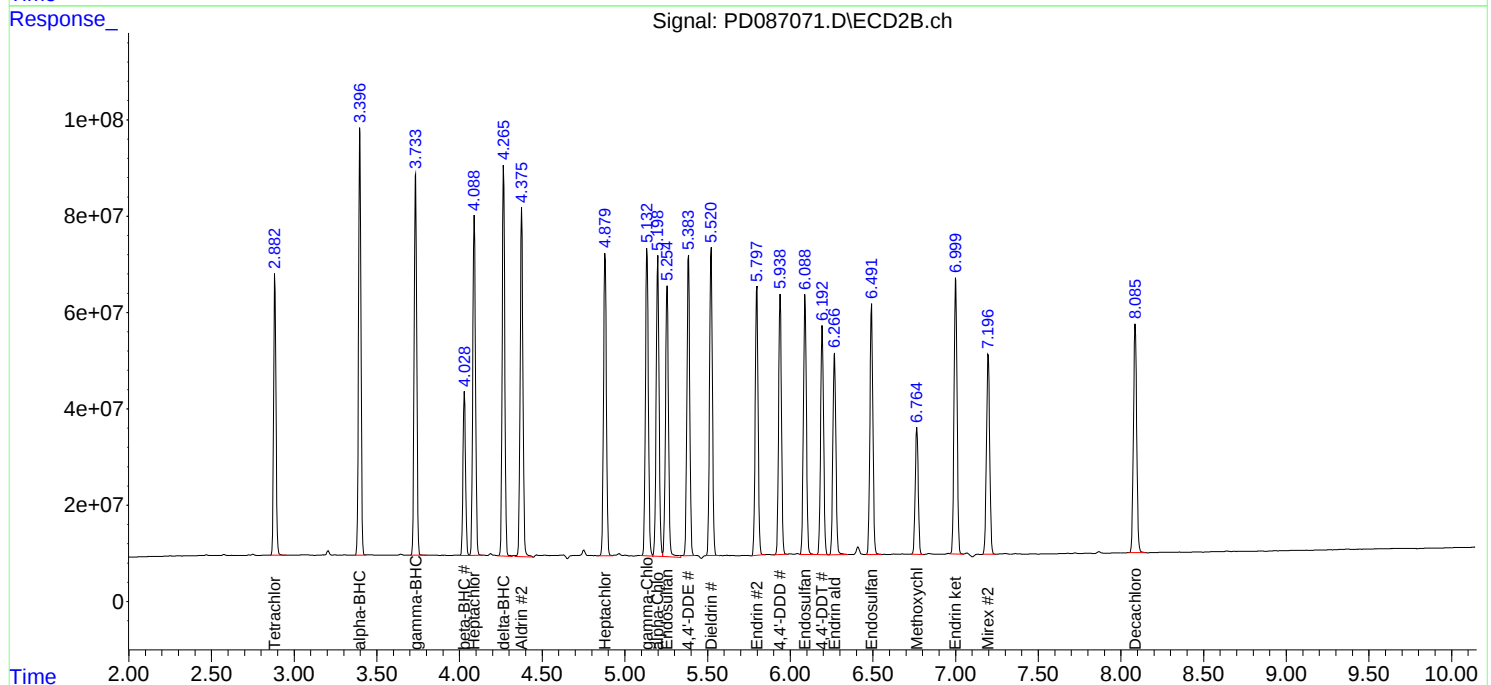
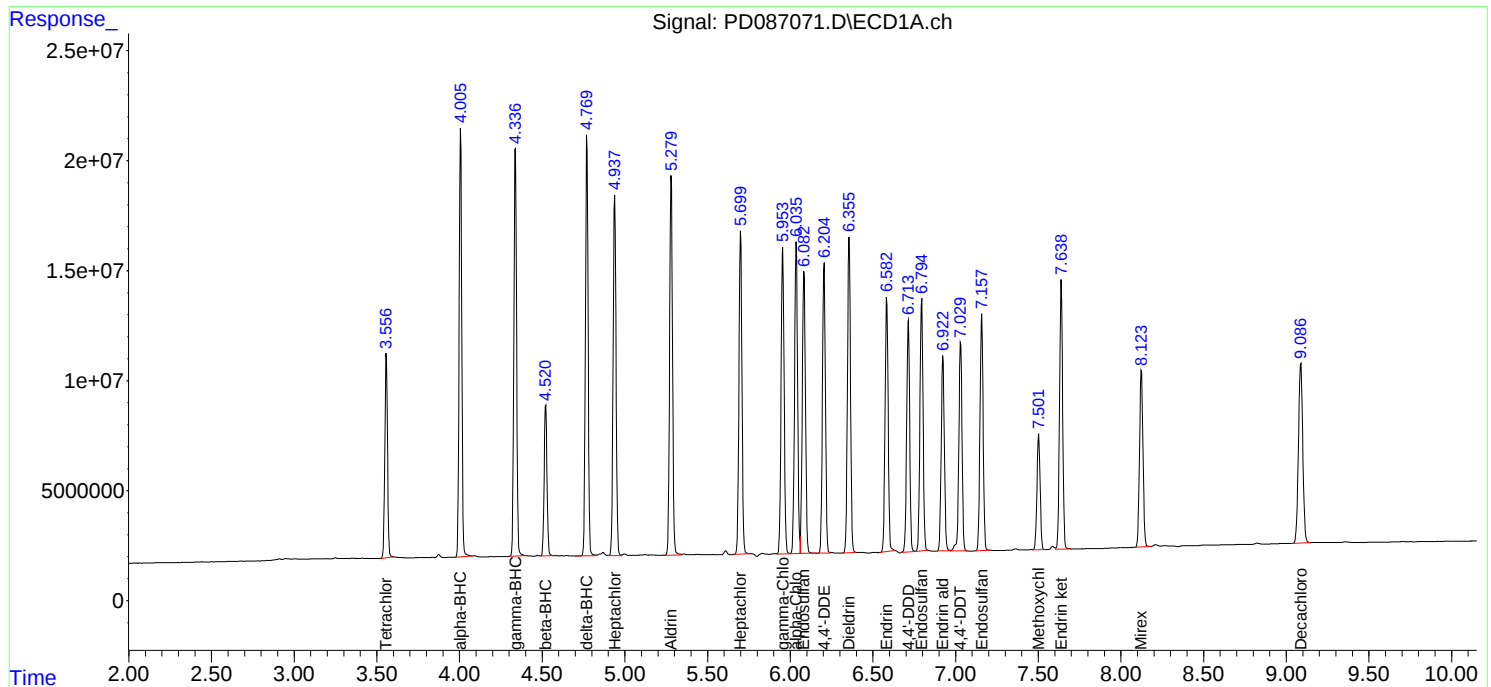
APPROVED

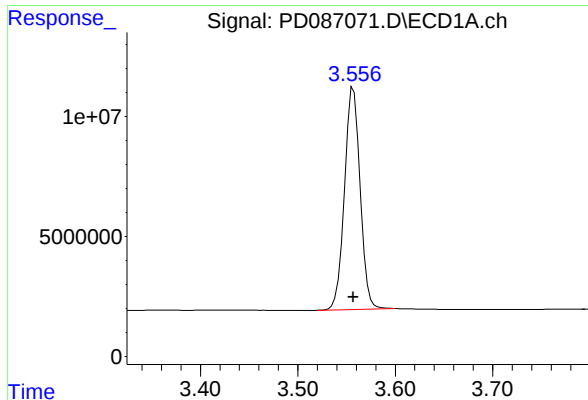
Reviewed By :Abdul Mirza 12/09/2024

Supervised By :Ankita Jodhani 12/10/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:26:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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.: 3.557 min
Delta R.T.: 0.000 min
Response: 103188961
Conc: 51.60 ng/ml

Instrument :

ECD_D

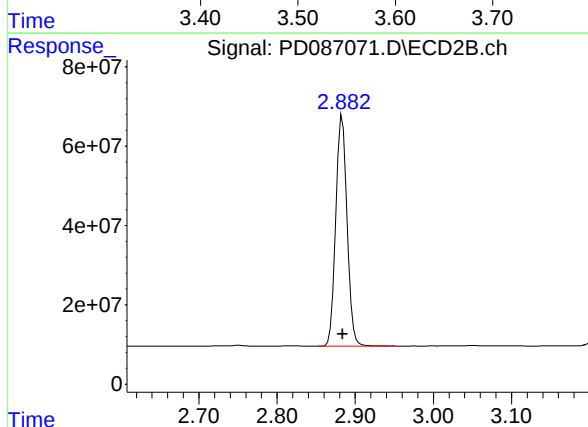
ClientSampleId :

PSTDCCC050

Manual Integrations

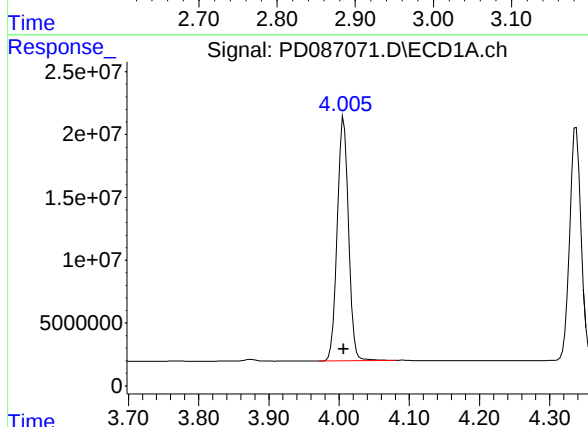
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



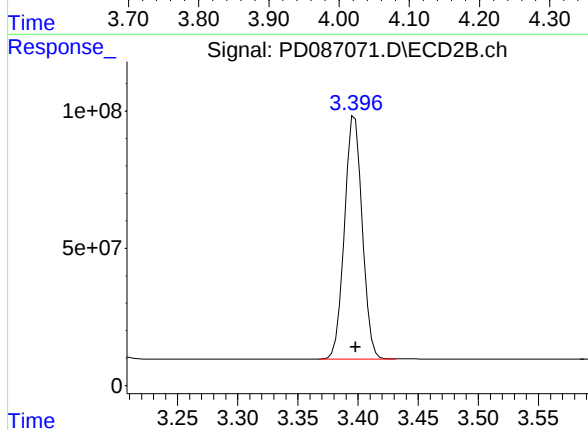
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 581778437
Conc: 50.83 ng/ml



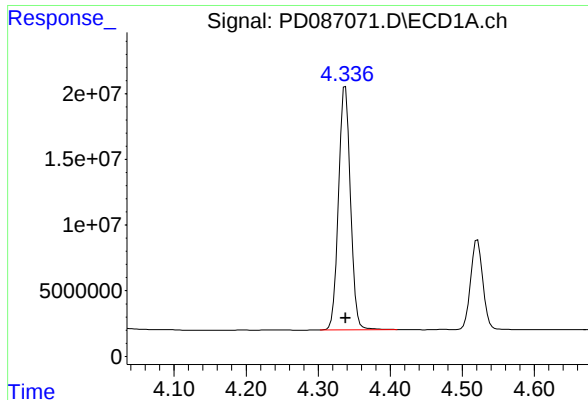
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 215794938
Conc: 53.63 ng/ml



#2 alpha-BHC

R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 911180876
Conc: 51.71 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 211554156
Conc: 53.04 ng/ml

Instrument :

ECD_D

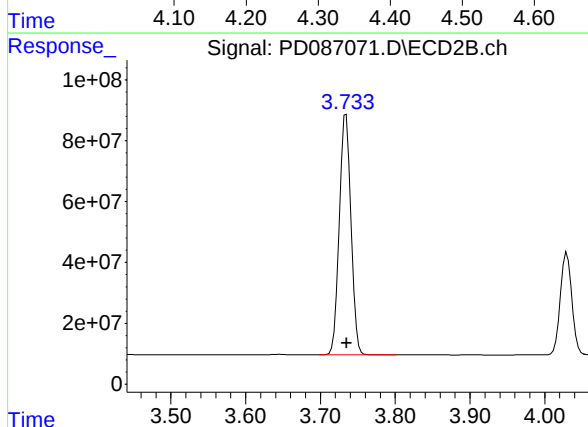
ClientSampleId :

PSTDCCC050

Manual Integrations

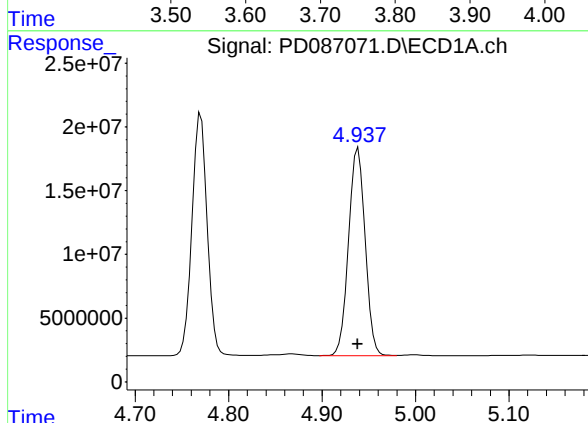
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Supervised By :Ankita Jodhani 12/10/2024



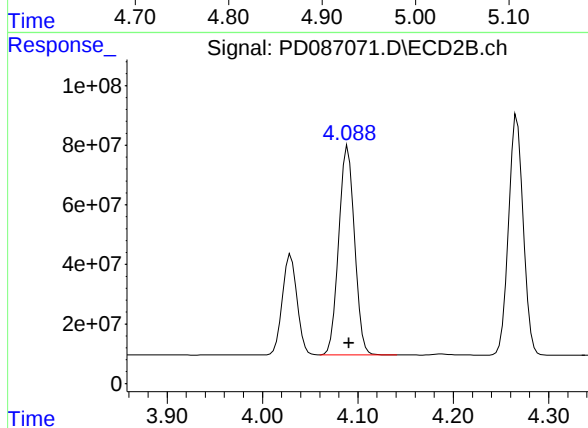
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 859284399
Conc: 51.16 ng/ml



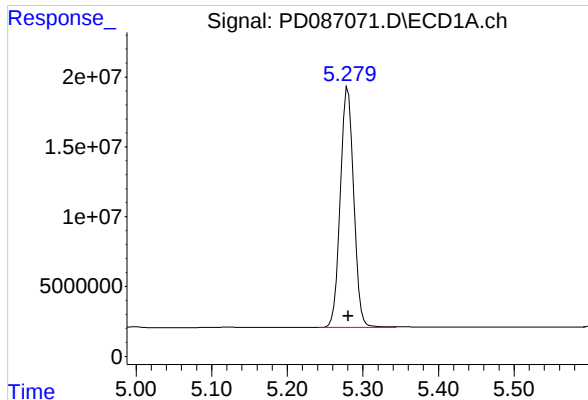
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 201651620
Conc: 51.36 ng/ml



#4 Heptachlor

R.T.: 4.089 min
Delta R.T.: -0.001 min
Response: 805195014
Conc: 49.53 ng/ml



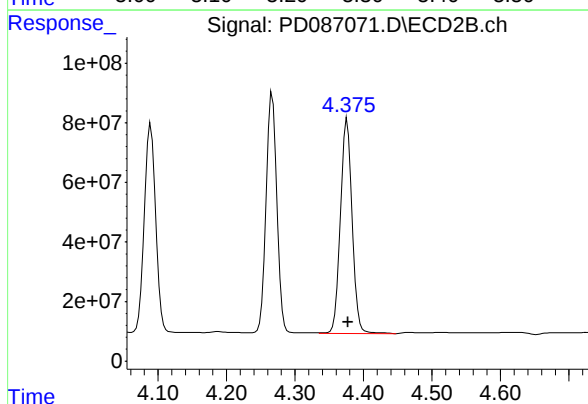
#5 Aldrin

R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 211838221
Conc: 51.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

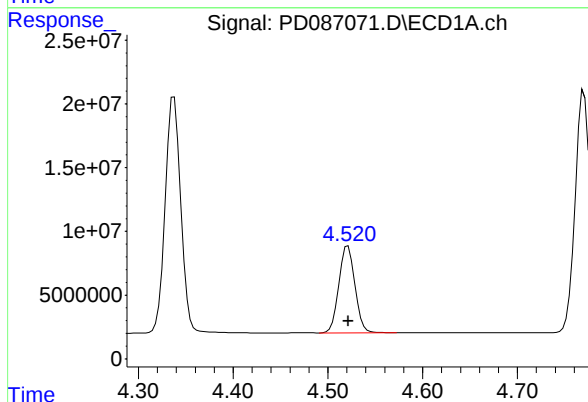
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



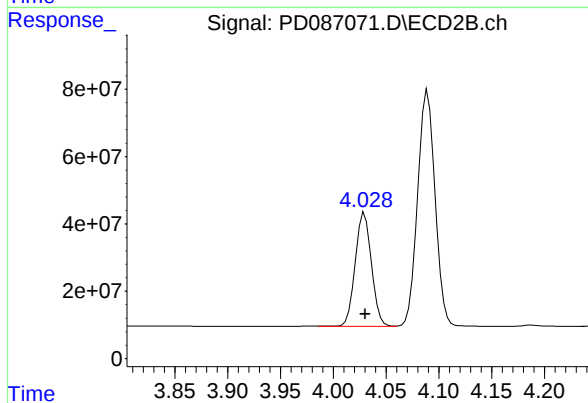
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: -0.001 min
Response: 856381367
Conc: 51.23 ng/ml



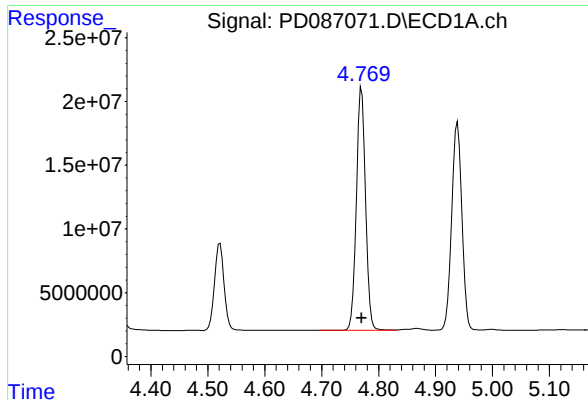
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 80174100
Conc: 50.83 ng/ml



#6 beta-BHC

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 360993028
Conc: 50.40 ng/ml



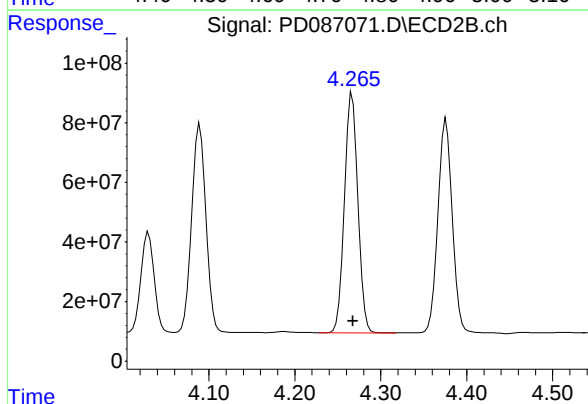
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 215455809
Conc: 52.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

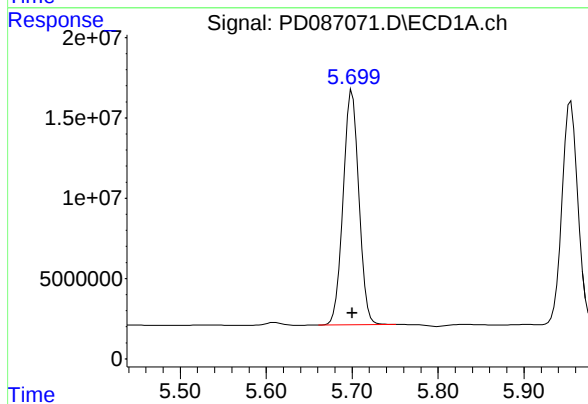
Manual Integrations
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Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



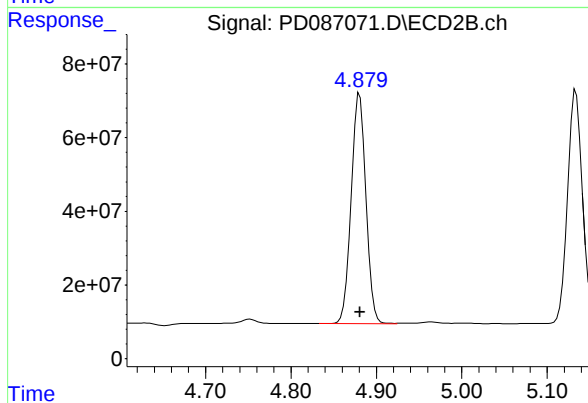
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 875523629
Conc: 51.49 ng/ml



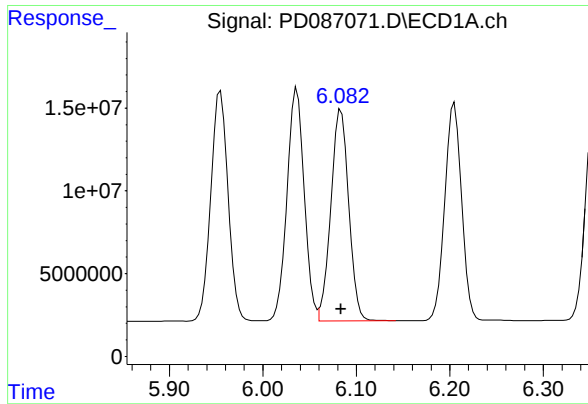
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 185088831
Conc: 51.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 754022378
Conc: 49.66 ng/ml



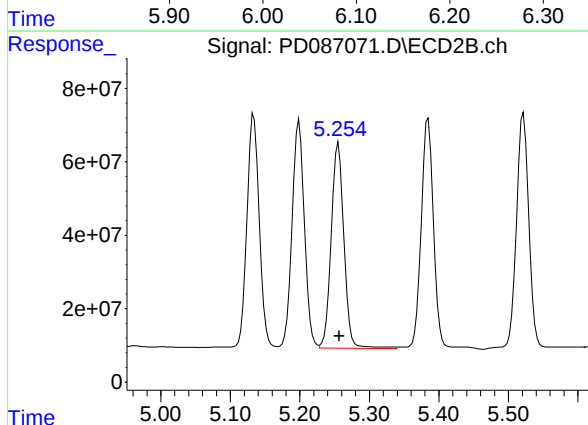
#9 Endosulfan I

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 169595434
Conc: 50.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

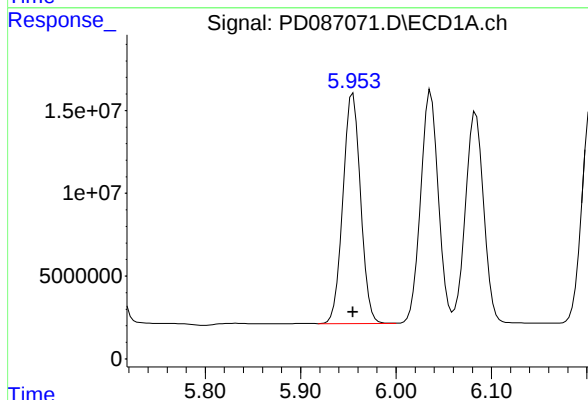
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



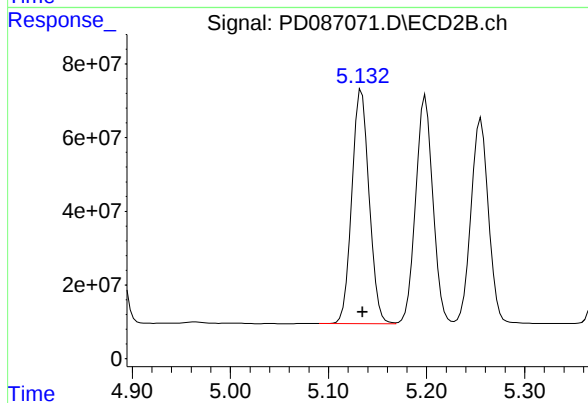
#9 Endosulfan I

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 709953297
Conc: 50.01 ng/ml



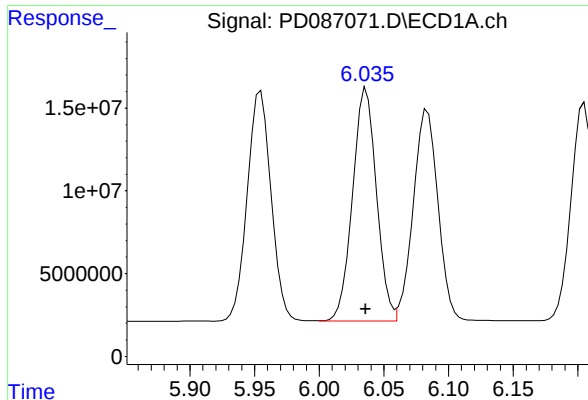
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 179452989
Conc: 50.79 ng/ml



#10 gamma-Chlordane

R.T.: 5.134 min
Delta R.T.: -0.001 min
Response: 777936368
Conc: 50.01 ng/ml



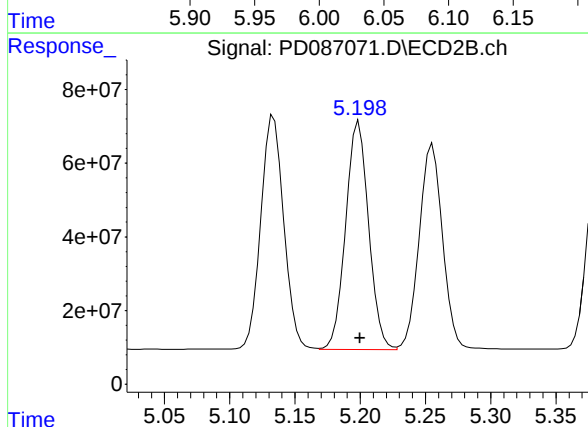
#11 alpha-Chlordane

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 180315027
Conc: 50.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

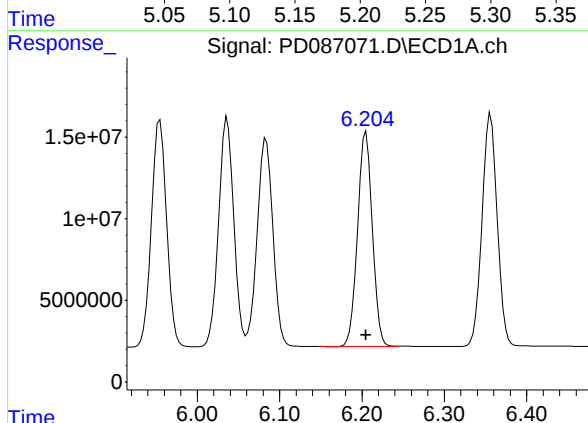
Manual Integrations
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Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



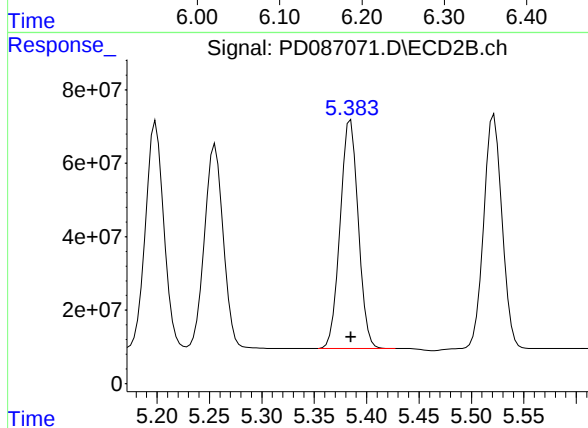
#11 alpha-Chlordane

R.T.: 5.199 min
Delta R.T.: -0.001 min
Response: 760671564
Conc: 49.78 ng/ml



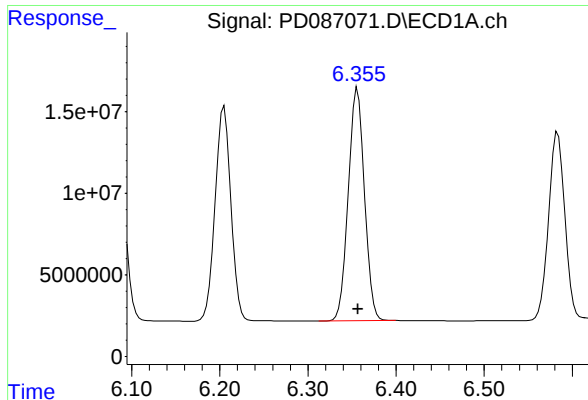
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 164150984
Conc: 50.45 ng/ml



#12 4,4'-DDE

R.T.: 5.383 min
Delta R.T.: -0.002 min
Response: 749014832
Conc: 49.69 ng/ml m



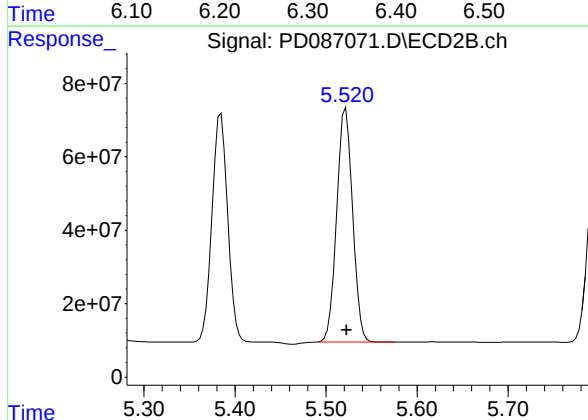
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 182427683
Conc: 50.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

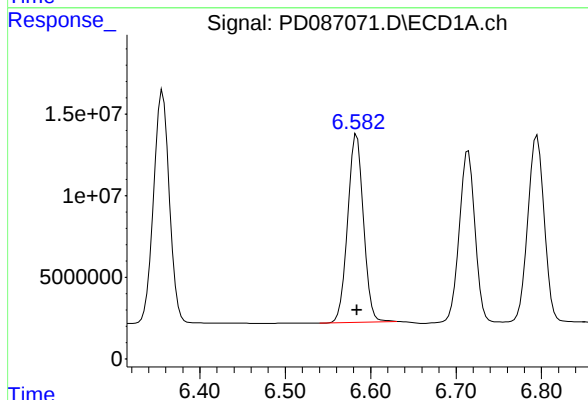
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



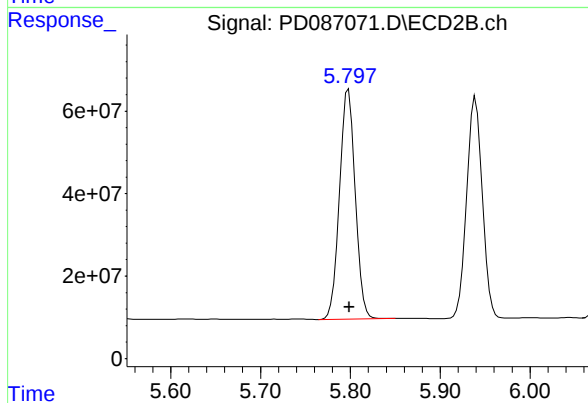
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 774346475
Conc: 49.73 ng/ml



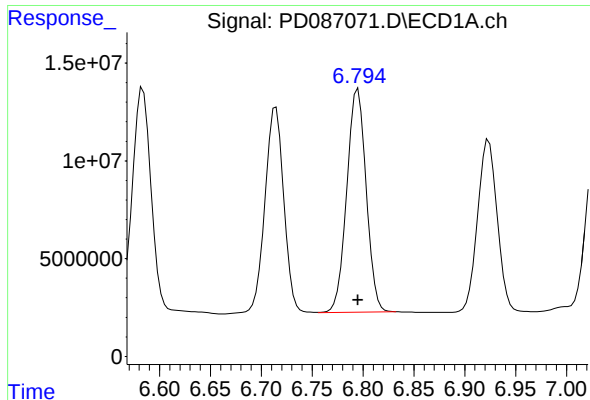
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 148613028
Conc: 49.11 ng/ml



#14 Endrin

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 676983862
Conc: 48.40 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 151239905
Conc: 50.60 ng/ml

Instrument :

ECD_D

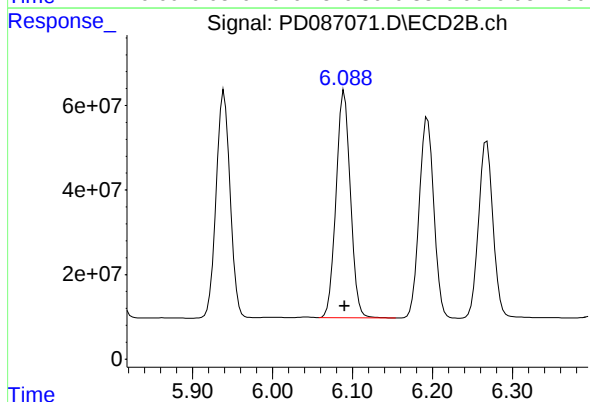
ClientSampleId :

PSTDCCC050

Manual Integrations

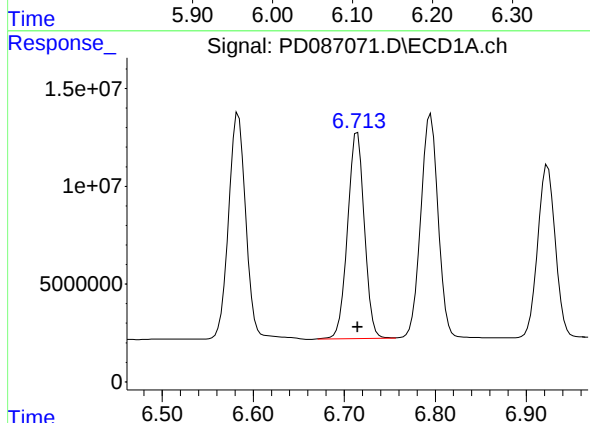
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



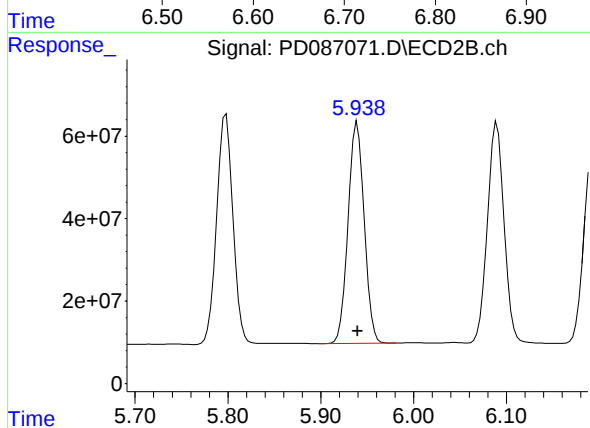
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 669329020
Conc: 48.63 ng/ml



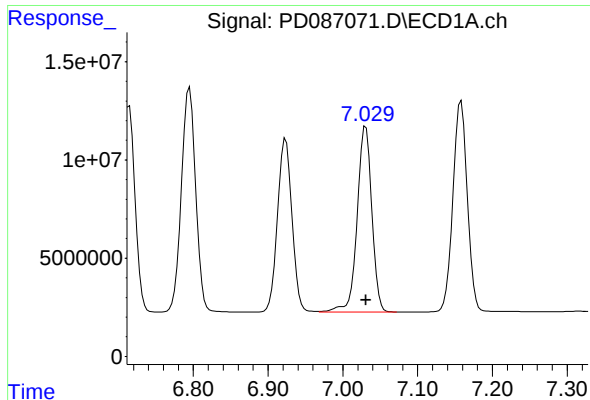
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 135328008
Conc: 52.06 ng/ml



#16 4,4'-DDD

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 648250097
Conc: 51.57 ng/ml



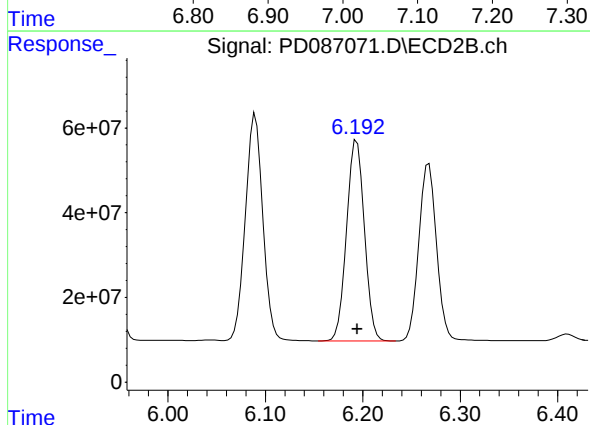
#17 4,4'-DDT

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 128530048
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

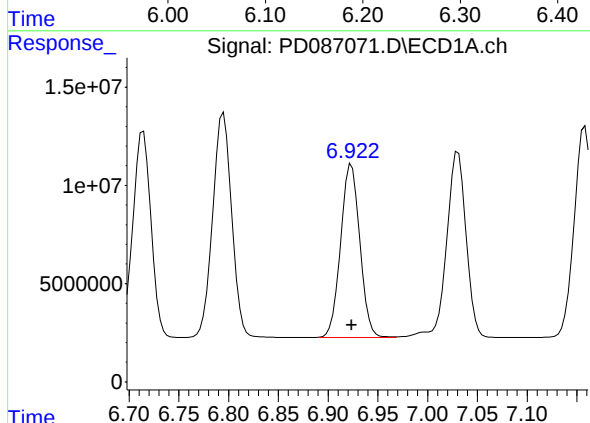
Manual Integrations
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Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



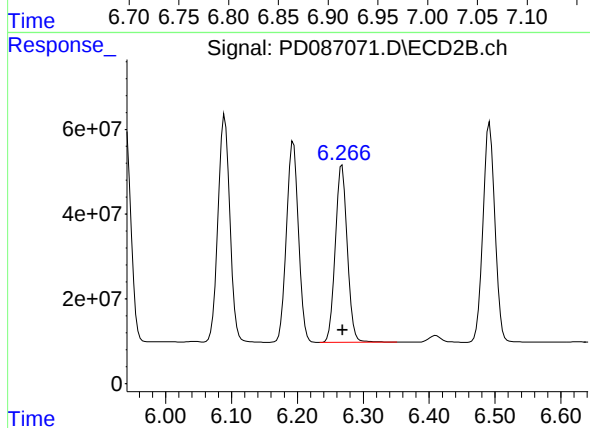
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 602546379
Conc: 45.19 ng/ml



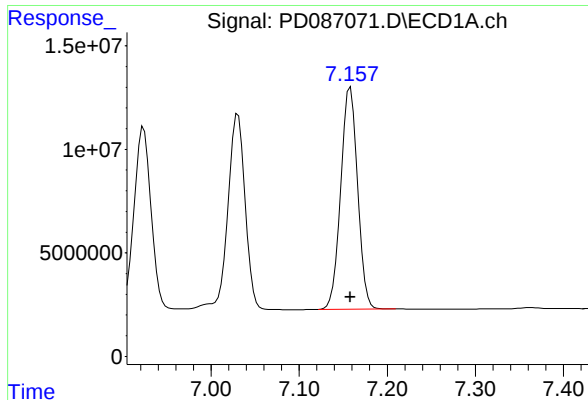
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 118435485
Conc: 48.45 ng/ml



#18 Endrin aldehyde

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 531001258
Conc: 47.86 ng/ml



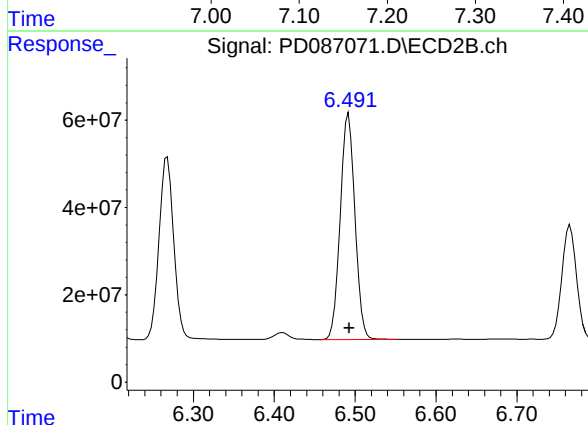
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 142905975
Conc: 49.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

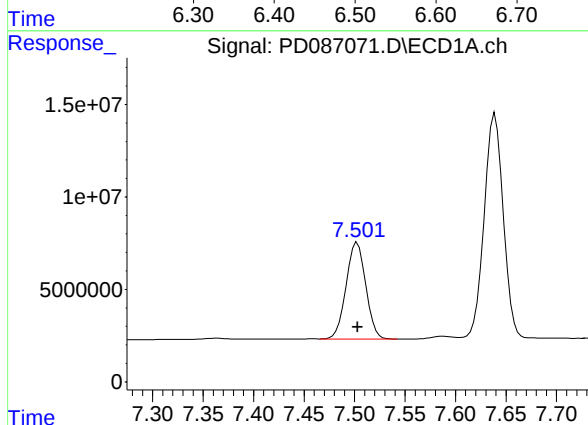
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



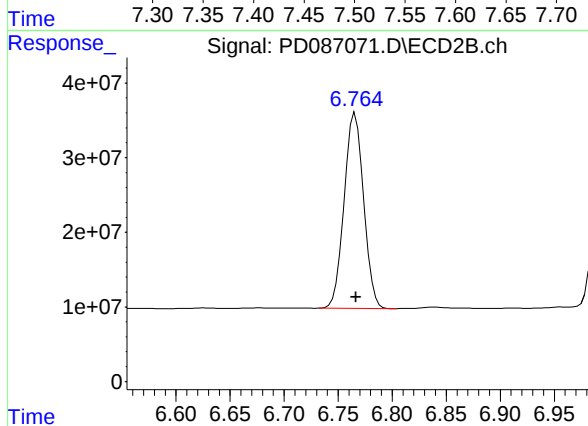
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 653911327
Conc: 48.33 ng/ml



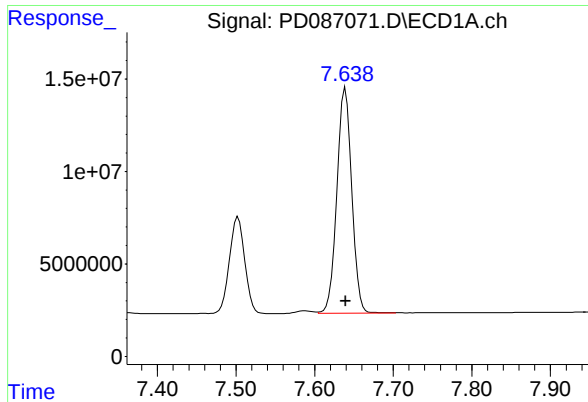
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 71018710
Conc: 44.41 ng/ml



#20 Methoxychlor

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 329098545
Conc: 45.88 ng/ml



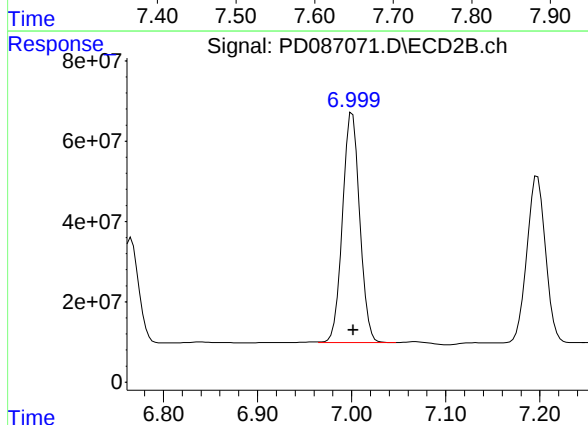
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 159798909
Conc: 49.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

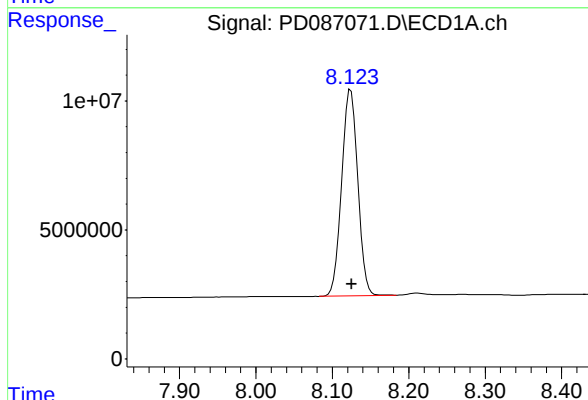
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



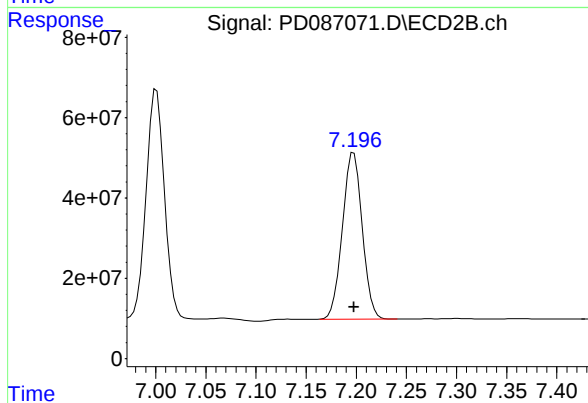
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.001 min
Response: 727192834
Conc: 48.25 ng/ml



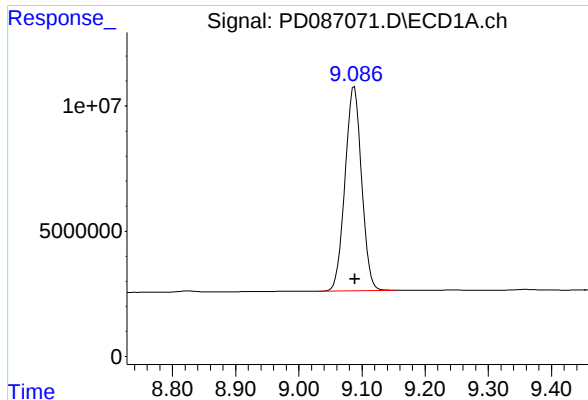
#22 Mirex

R.T.: 8.124 min
Delta R.T.: -0.001 min
Response: 117751893
Conc: 47.19 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 570083053
Conc: 46.23 ng/ml



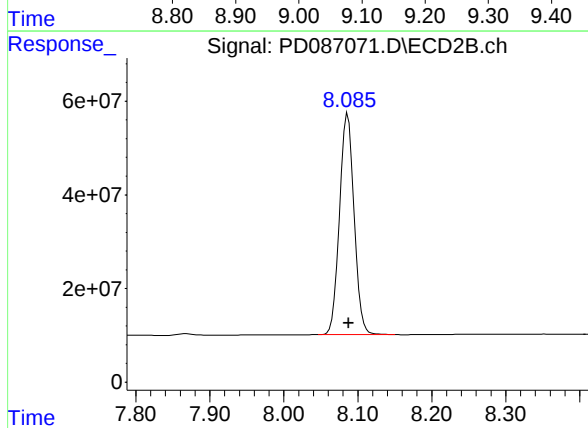
#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 148749364
Conc: 46.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/09/2024
Supervised By :Ankita Jodhani 12/10/2024



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 646291785
Conc: 46.39 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **WEST04**

Lab Code: **CHEM** Case No.: **P5117** SAS No.: **P5117** SDG NO.: **P5117**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **11/27/2024** **11/27/2024**

Client Sample No. (PEM): **PEM - PD086945.D** Date Analyzed: **11/27/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.087	8.990	9.190	20.910	20.000	4.6
Tetrachloro-m-xylene	3.557	3.510	3.610	19.720	20.000	-1.4
alpha-BHC	4.006	3.960	4.060	9.000	10.000	-10.0
beta-BHC	4.521	4.470	4.570	10.570	10.000	5.7
gamma-BHC (Lindane)	4.337	4.290	4.390	9.050	10.000	-9.5
Endrin	6.584	6.510	6.650	45.930	50.000	-8.1
4,4'-DDT	7.031	6.960	7.100	102.600	100.000	2.6
Methoxychlor	7.503	7.430	7.570	237.070	250.000	-5.2

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **11/27/2024** **11/27/2024**

Client Sample No. (PEM): **PEM - PD086945.D** Date Analyzed: **11/27/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.087	7.990	8.190	21.180	20.000	5.9
Tetrachloro-m-xylene	2.884	2.830	2.930	20.660	20.000	3.3
alpha-BHC	3.398	3.350	3.450	10.820	10.000	8.2
beta-BHC	4.030	3.980	4.080	11.350	10.000	13.5
gamma-BHC (Lindane)	3.735	3.680	3.790	10.610	10.000	6.1
Endrin	5.798	5.730	5.870	46.280	50.000	-7.4
4,4'-DDT	6.195	6.120	6.270	93.630	100.000	-6.4
Methoxychlor	6.766	6.700	6.840	194.400	250.000	-22.2

Data File: PEM
Operator: PD086945.D Date Acquired 11/27/2024 11:01
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	138997276.6	148703565.2	9706288.61	Down 6.53
Endrin aldehyde	6.92	3281808.766			
Endrin ketone	7.64	6424479.84			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.80	647435177.2	706984997.2	59549820	8.42
Endrin aldehyde #2	6.27	20413104.23			
Endrin ketone #2	7.00	39136715.73			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	289843343.5	290422342.4	578998.914	0.20
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	578998.914			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1248459342	1251475072	3015729.98	0.24
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	3015729.982			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
 Data File : PD086945.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Nov 2024 11:01
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/02/2024
 Supervised By :Ankita Jodhani 12/02/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 27 13:49:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 13:46:45 2024
 Response via : Initial 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...	3.557	2.884	39428434	236.5E6	19.717	20.657
28)	SA Decachlor...	9.087	8.087	66521357	295.0E6	20.912	21.177
Target Compounds							
2)	A alpha-BHC	4.006	3.398	36235993	190.6E6	9.005	10.819
3)	MA gamma-BHC...	4.337	3.735	36102856	178.2E6	9.052	10.608
6)	B beta-BHC	4.521	4.030	16665842	81282986	10.567	11.349
14)	MA Endrin	6.584	5.798	139.0E6	647.4E6	45.935	46.283
16)	A 4,4'-DDD	6.713	5.940	578999	3015730	0.223m	0.240m
17)	MA 4,4'-DDT	7.031	6.195	289.8E6	1248.5E6	102.603	93.631
18)	B Endrin al...	6.924	6.268	3281809	20413104	1.342	1.840 #
20)	A Methoxychlor	7.503	6.766	379.1E6	1394.5E6	237.067	194.401
21)	B Endrin ke...	7.639	7.001	6424480	39136716	1.980	2.597 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

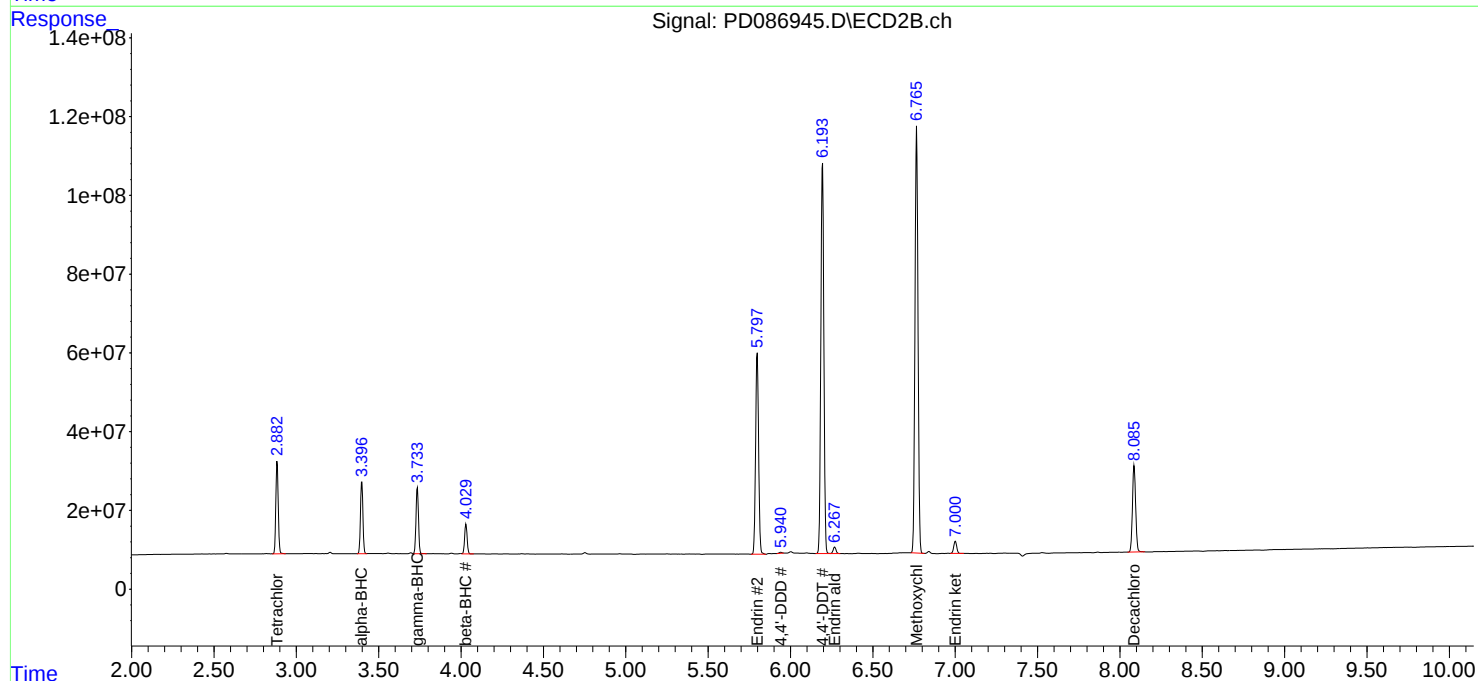
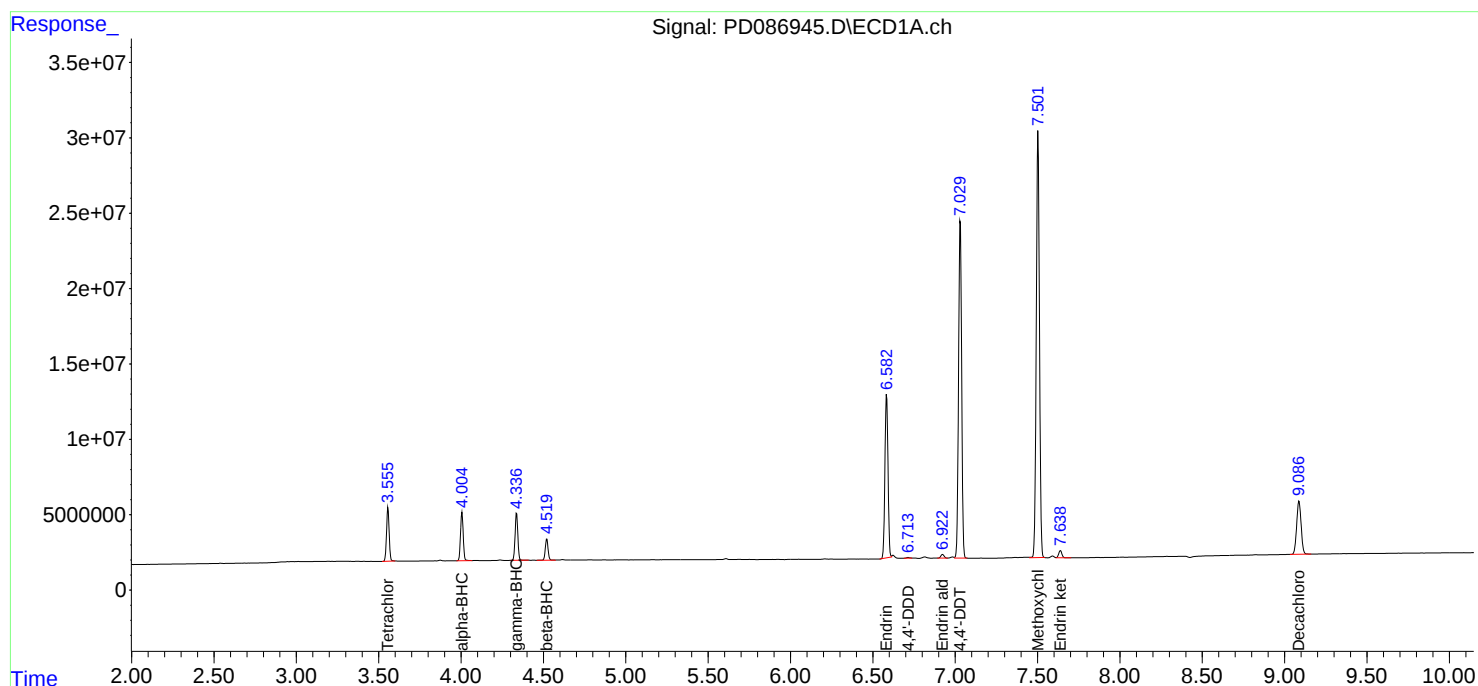
Instrument :
ECD_D
ClientSampleId :
PEM

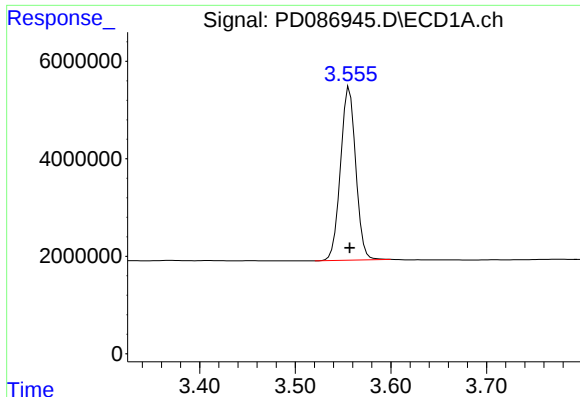
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 13:49:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial 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





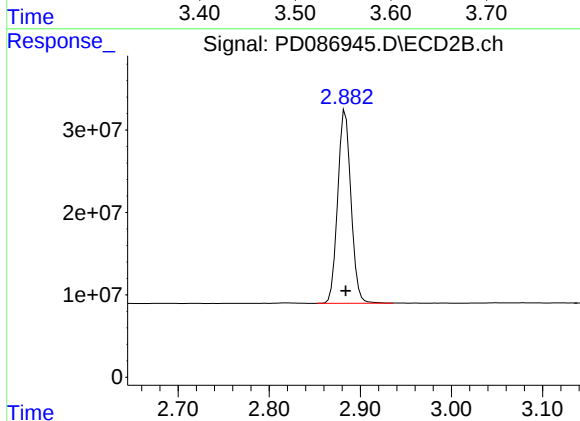
#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 39428434
Conc: 19.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

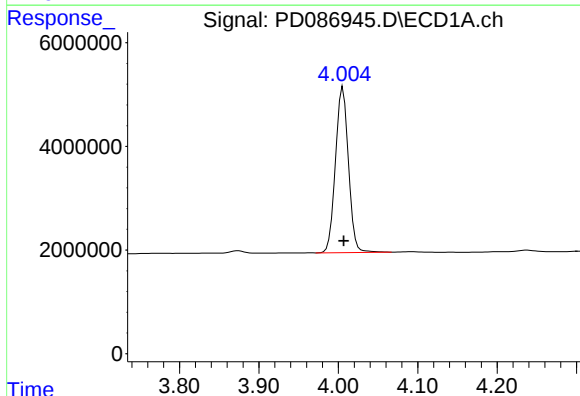
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



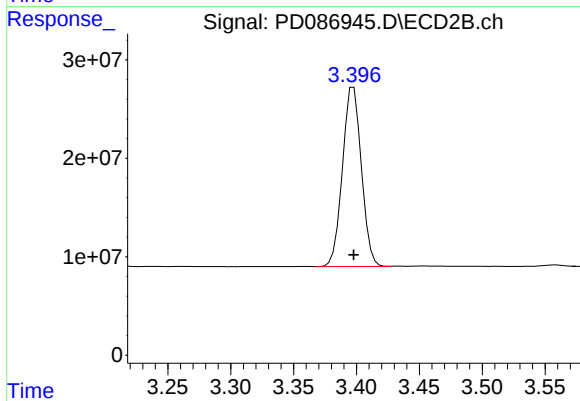
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 236451486
Conc: 20.66 ng/ml



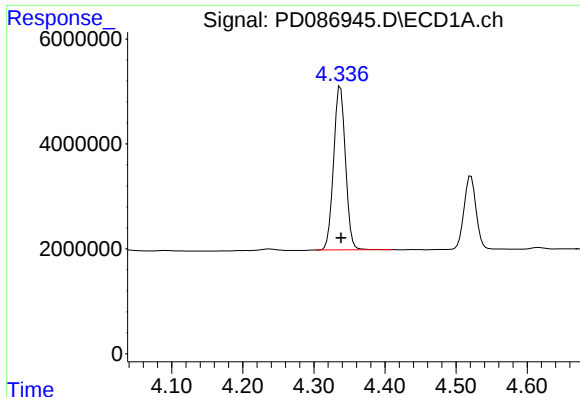
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 36235993
Conc: 9.00 ng/ml



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 190641909
Conc: 10.82 ng/ml



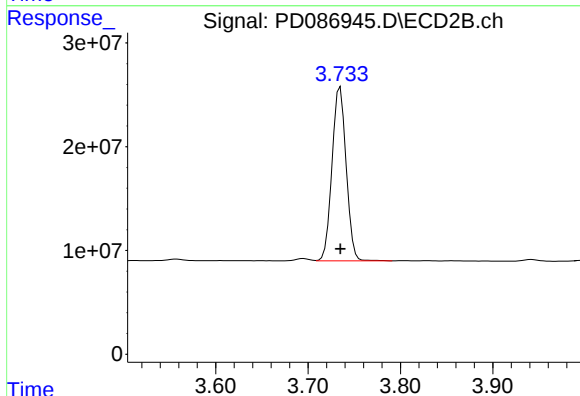
#3 gamma-BHC (Lindane)

R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 36102856
Conc: 9.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

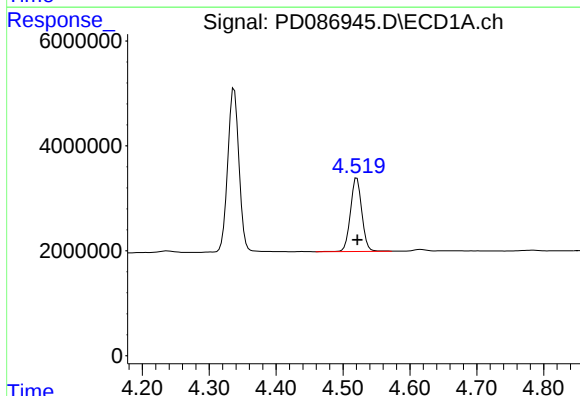
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



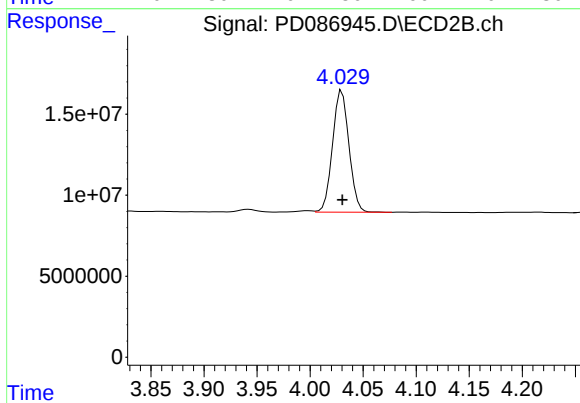
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 178166236
Conc: 10.61 ng/ml



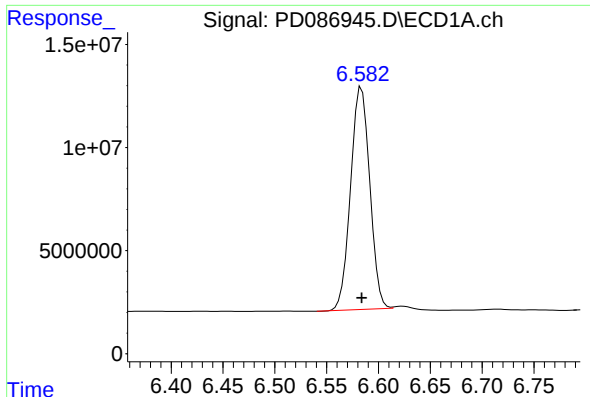
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 16665842
Conc: 10.57 ng/ml



#6 beta-BHC

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 81282986
Conc: 11.35 ng/ml



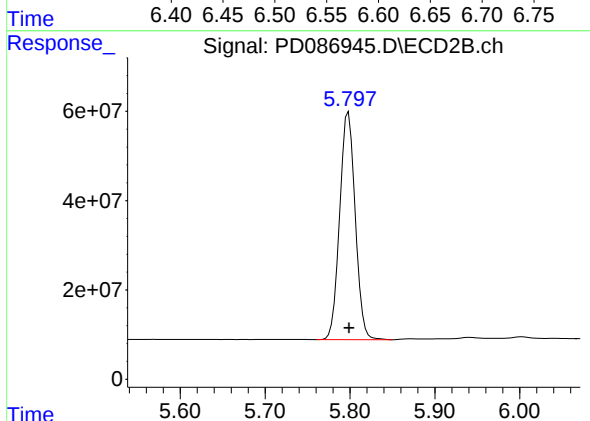
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 138997277
Conc: 45.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

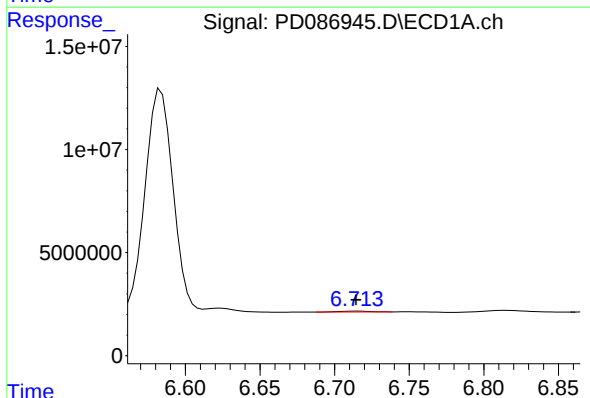
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



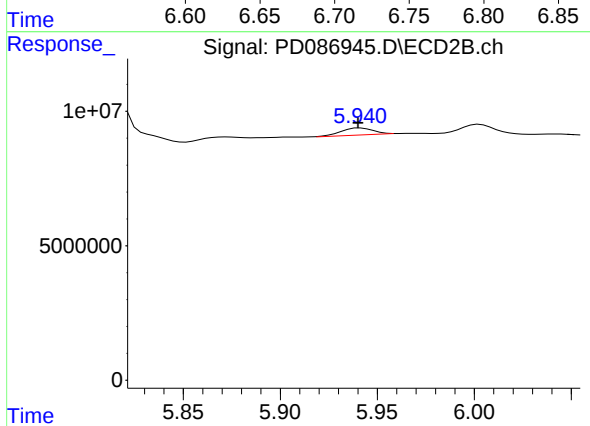
#14 Endrin

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 647435177
Conc: 46.28 ng/ml



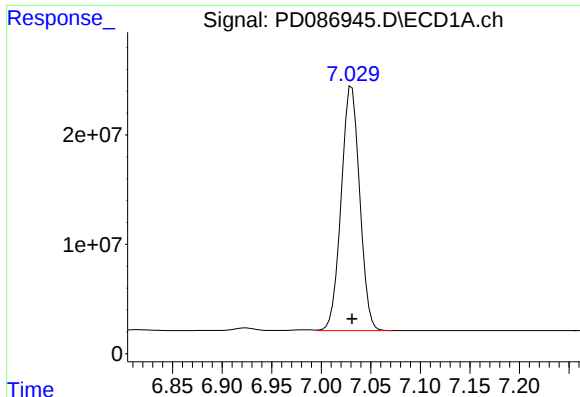
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: -0.001 min
Response: 578999
Conc: 0.22 ng/ml m



#16 4,4'-DDD

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 3015730
Conc: 0.24 ng/ml m



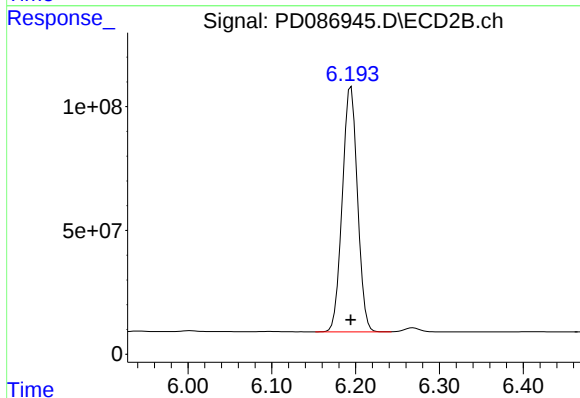
#17 4,4'-DDT

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 289843343
Conc: 102.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

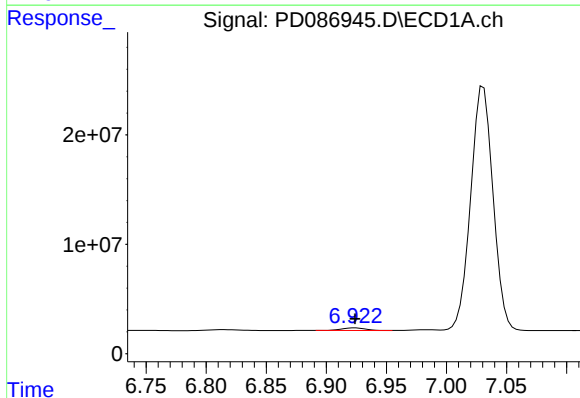
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



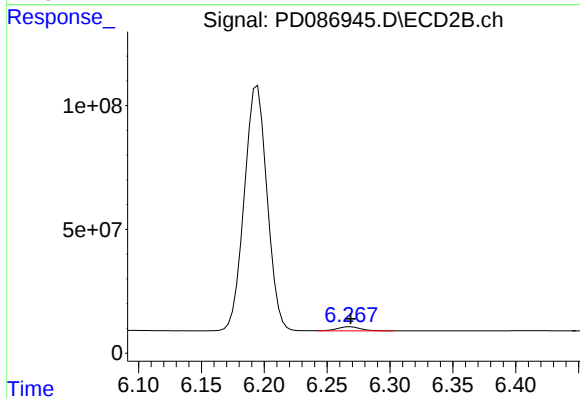
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 1248459342
Conc: 93.63 ng/ml



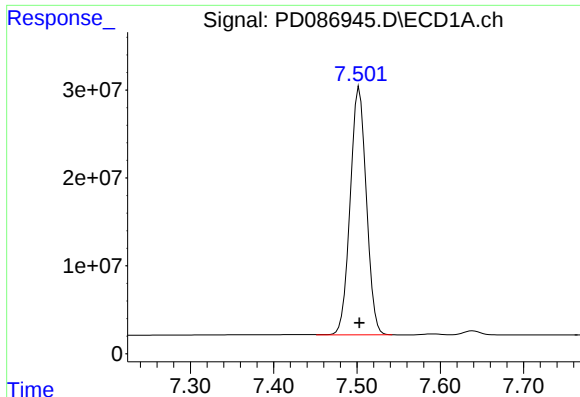
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 3281809
Conc: 1.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 20413104
Conc: 1.84 ng/ml



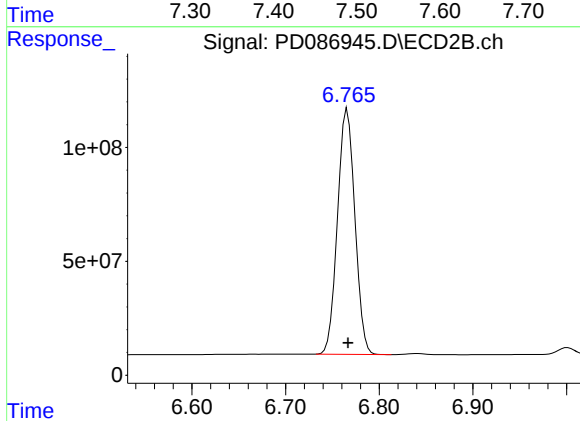
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 379137929
Conc: 237.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

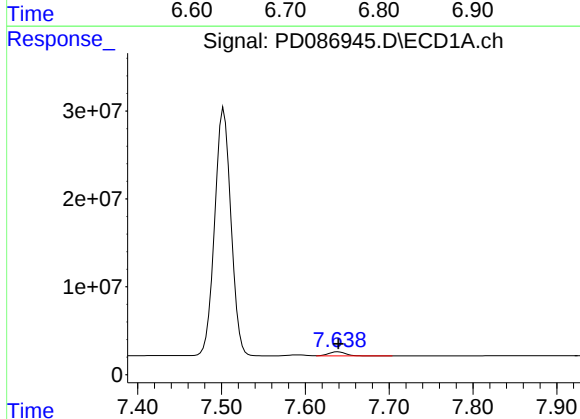
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



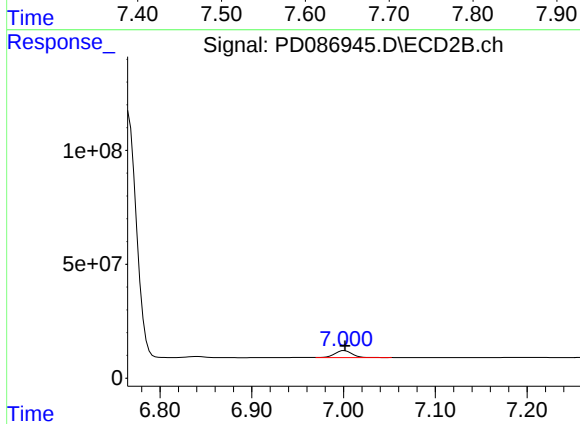
#20 Methoxychlor

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 1394480011
Conc: 194.40 ng/ml



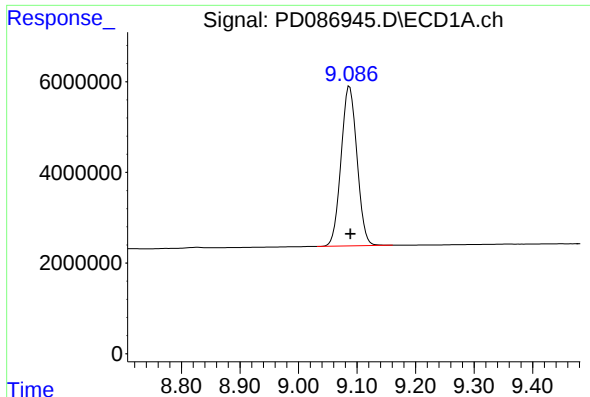
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 6424480
Conc: 1.98 ng/ml



#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 39136716
Conc: 2.60 ng/ml



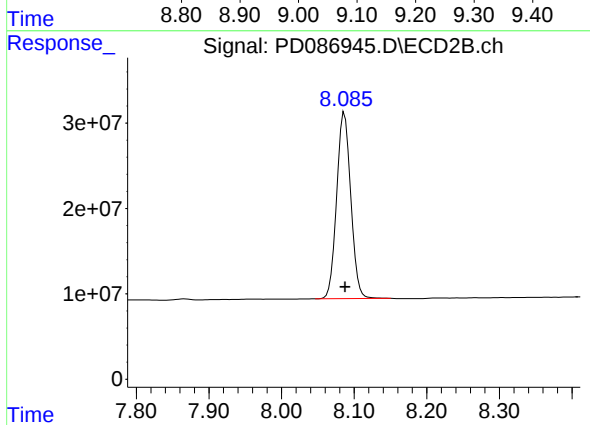
#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.001 min
Response: 66521357
Conc: 20.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/02/2024
Supervised By :Ankita Jodhani 12/02/2024



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 295049017
Conc: 21.18 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM **Case No.:** P5117 **SAS No.:** P5117 **SDG NO.:** P5117

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/27/2024 11/27/2024

Client Sample No. (PEM): PEM - PD087047.D **Date Analyzed:** 12/06/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:43

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.089	8.990	9.190	18.340	20.000	-8.3
Tetrachloro-m-xylene	3.558	3.510	3.610	19.500	20.000	-2.5
alpha-BHC	4.007	3.960	4.060	8.960	10.000	-10.4
beta-BHC	4.522	4.470	4.570	10.550	10.000	5.5
gamma-BHC (Lindane)	4.338	4.290	4.390	8.950	10.000	-10.5
Endrin	6.584	6.510	6.650	42.440	50.000	-15.1
4,4'-DDT	7.032	6.960	7.100	91.200	100.000	-8.8
Methoxychlor	7.504	7.430	7.570	210.340	250.000	-15.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/27/2024 11/27/2024

Client Sample No. (PEM): PEM - PD087047.D **Date Analyzed:** 12/06/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:43

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.086	7.990	8.190	19.160	20.000	-4.2
Tetrachloro-m-xylene	2.884	2.830	2.930	20.620	20.000	3.1
alpha-BHC	3.397	3.350	3.450	10.810	10.000	8.1
beta-BHC	4.030	3.980	4.080	11.250	10.000	12.5
gamma-BHC (Lindane)	3.734	3.680	3.780	10.490	10.000	4.9
Endrin	5.798	5.730	5.870	42.630	50.000	-14.7
4,4'-DDT	6.193	6.120	6.260	84.560	100.000	-15.4
Methoxychlor	6.766	6.700	6.840	172.500	250.000	-31.0

Data File: PEM
Operator: PD087047.D Date Acquired 12/6/2024 10:43
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	128427237.2	139808921.6	11381684.3	8.14
Endrin aldehyde	6.92	3701670.572			
Endrin ketone	7.64	7680013.751			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.80	596356253	666313603.1	69957350.1	10.50
Endrin aldehyde #2	6.27	21359571.05			
Endrin ketone #2	7.00	48597779.06			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	257640094.4	265289451.1	7649356.76	2.88
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	7649356.76			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1127473918	1161953164	34479245.9	2.97
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	34479245.87			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:43
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: Dec 06 22:19:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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	2.884	39003537	236.0E6	19.504	20.615
2) SA Decachlor...	9.089	8.086	58338555	267.0E6	18.340	19.160
Target Compounds						
2) A alpha-BHC	4.007	3.397	36048785	190.5E6	8.958	10.813
3) MA gamma-BHC...	4.338	3.734	35713191	176.2E6	8.954	10.493
6) B beta-BHC	4.522	4.030	16635572	80590034	10.547	11.253
14) MA Endrin	6.584	5.798	128.4E6	596.4E6	42.442	42.631
16) A 4,4'-DDD	6.714	5.939	7649357	34479246	2.943	2.743
17) MA 4,4'-DDT	7.032	6.193	257.6E6	1127.5E6	91.204	84.557
18) B Endrin al...	6.925	6.268	3701671	21359571	1.514	1.925 #
20) A Methoxychlor	7.504	6.766	336.4E6	1237.4E6	210.338	172.500
21) B Endrin ke...	7.640	7.000	7680014	48597779	2.367	3.224 #

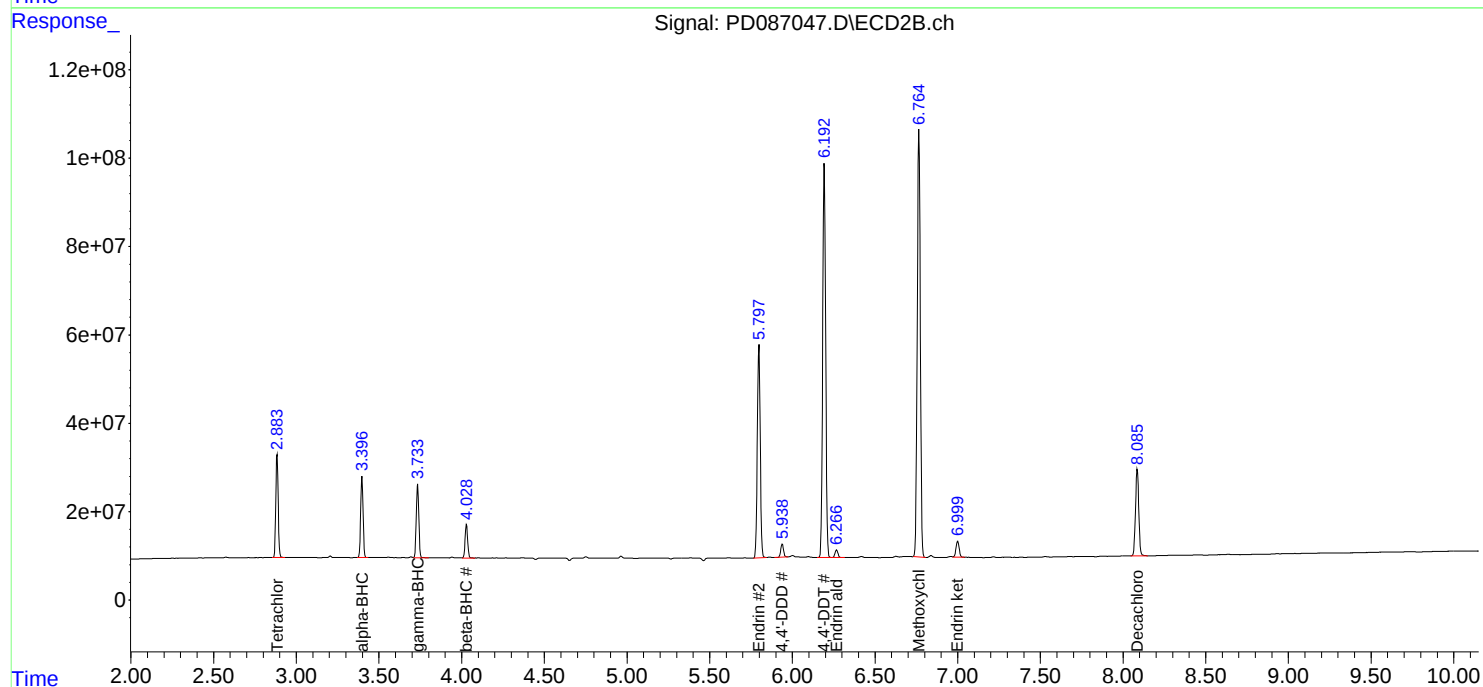
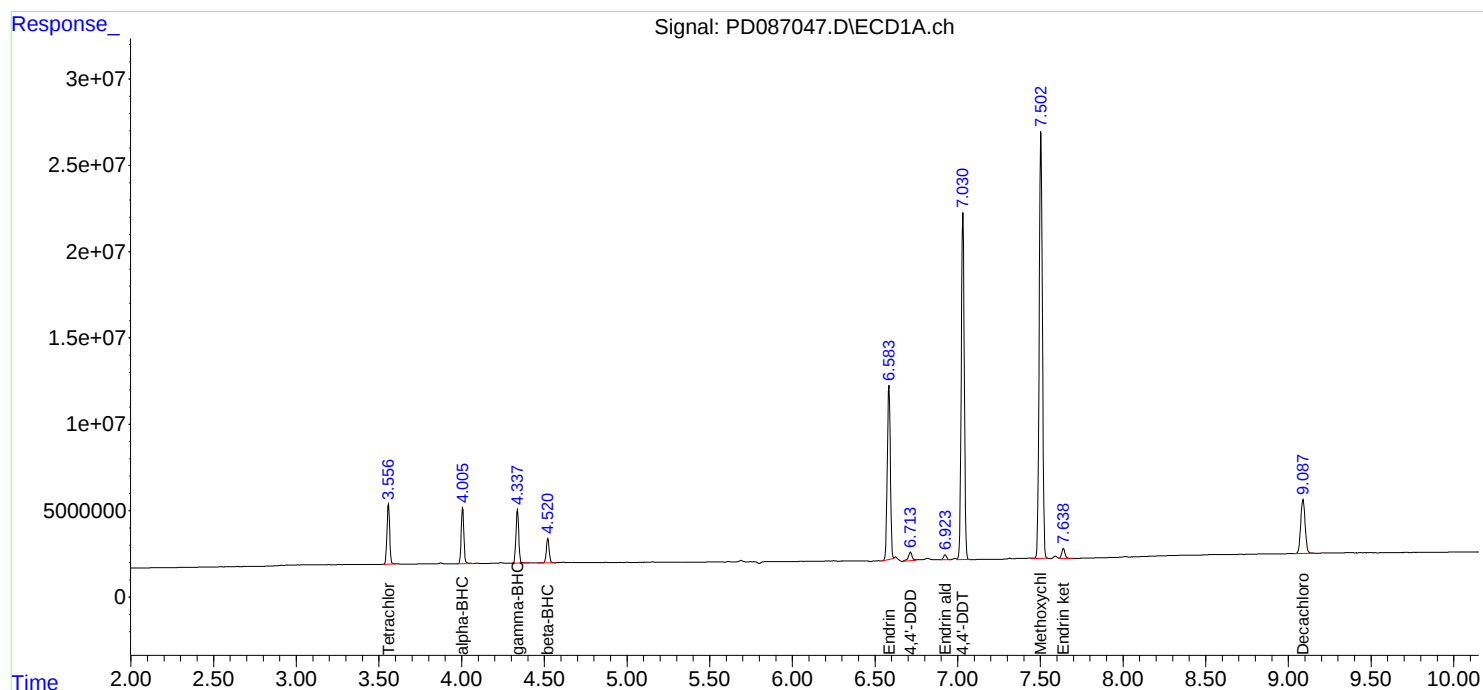
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

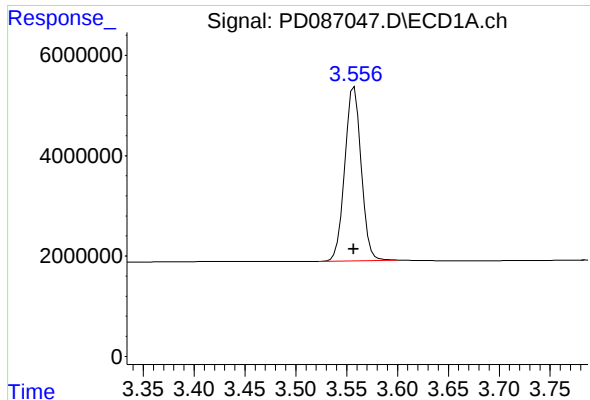
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:19:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

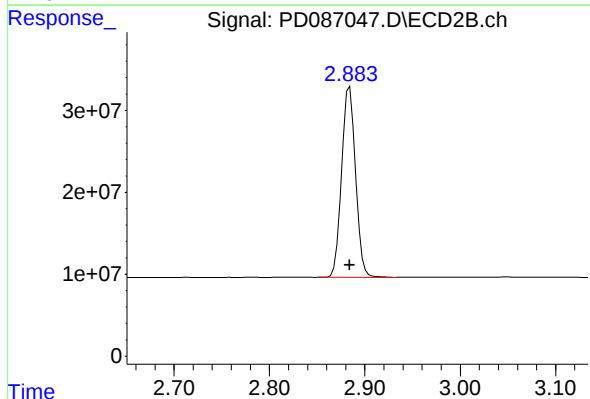




#1 Tetrachloro-m-xylene

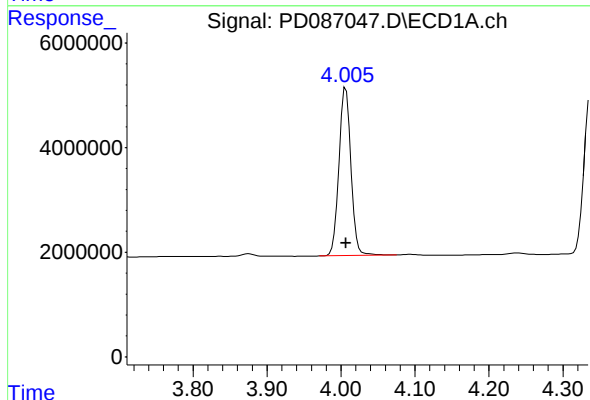
R.T.: 3.558 min
Delta R.T.: 0.000 min
Response: 39003537
Conc: 19.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



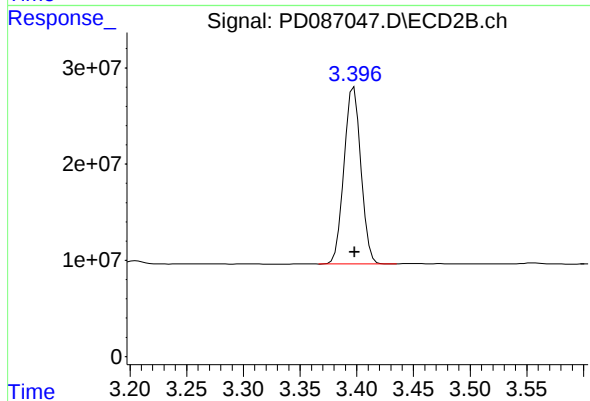
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 235972223
Conc: 20.62 ng/ml



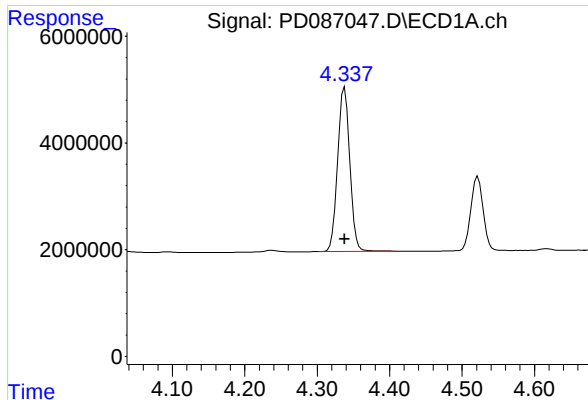
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 36048785
Conc: 8.96 ng/ml



#2 alpha-BHC

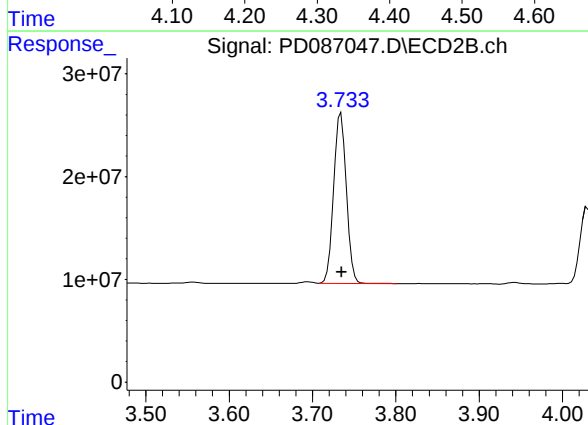
R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 190530859
Conc: 10.81 ng/ml



#3 gamma-BHC (Lindane)

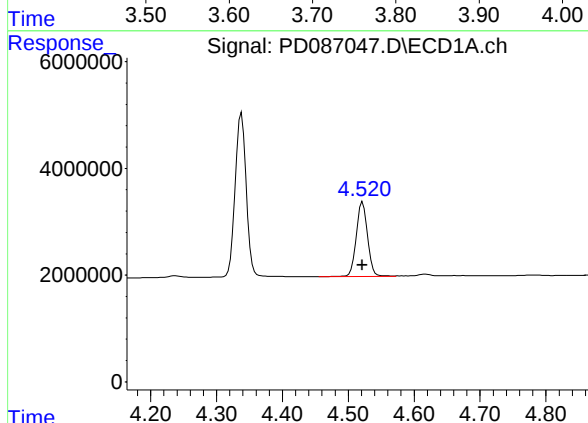
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 35713191
Conc: 8.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



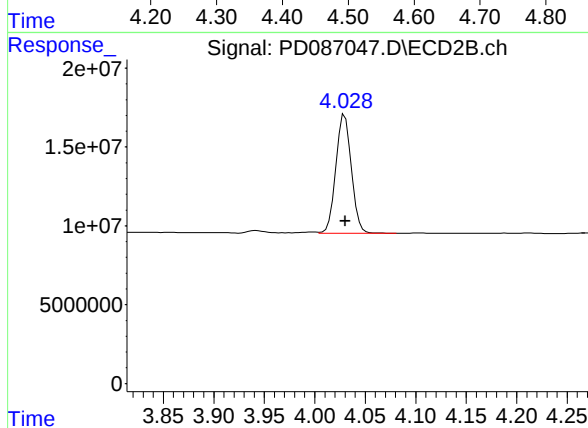
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 176227968
Conc: 10.49 ng/ml



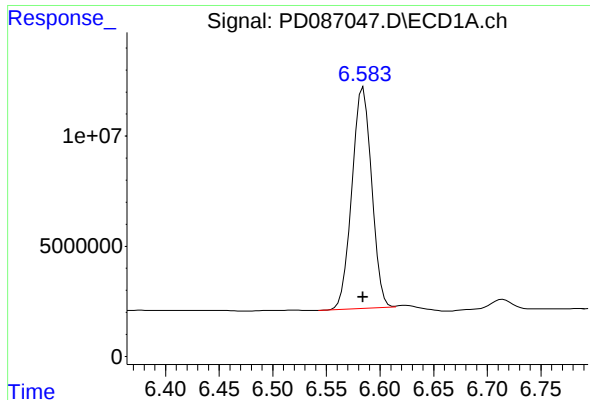
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 16635572
Conc: 10.55 ng/ml



#6 beta-BHC

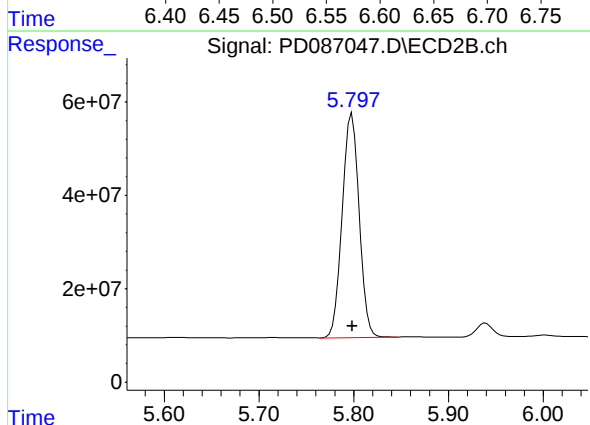
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 80590034
Conc: 11.25 ng/ml



#14 Endrin

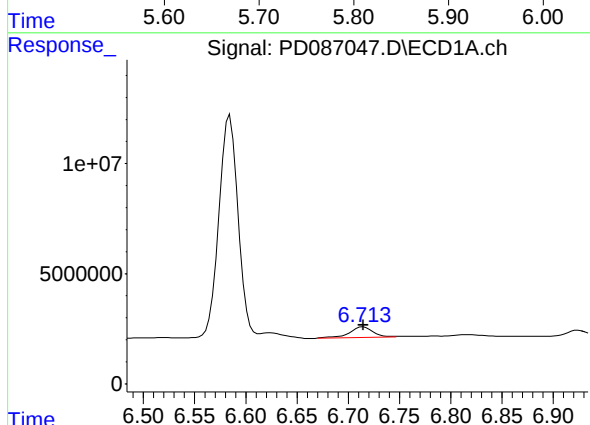
R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 128427237
Conc: 42.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



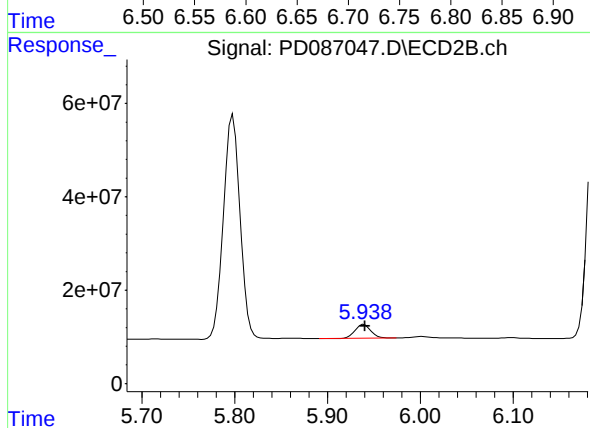
#14 Endrin

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 596356253
Conc: 42.63 ng/ml



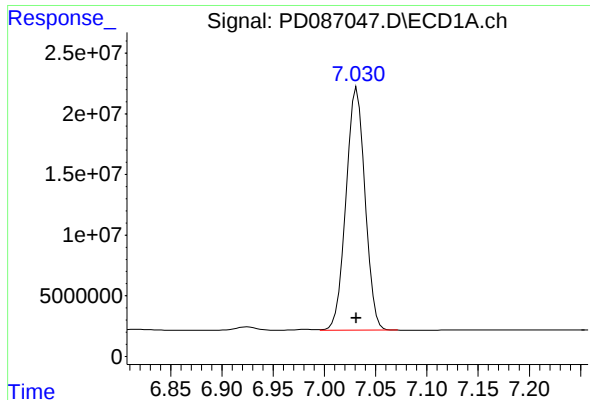
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 7649357
Conc: 2.94 ng/ml



#16 4,4'-DDD

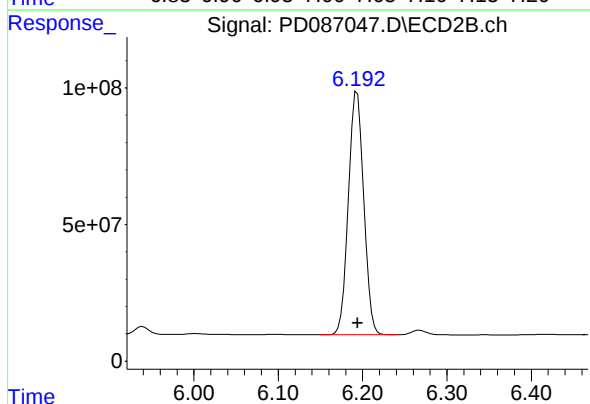
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 34479246
Conc: 2.74 ng/ml



#17 4,4'-DDT

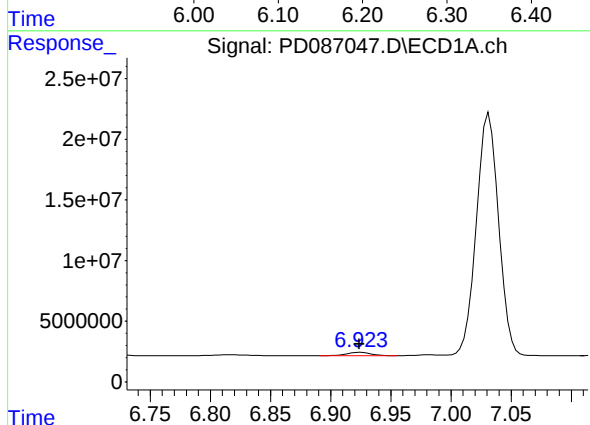
R.T.: 7.032 min
Delta R.T.: 0.000 min
Response: 257640094
Conc: 91.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



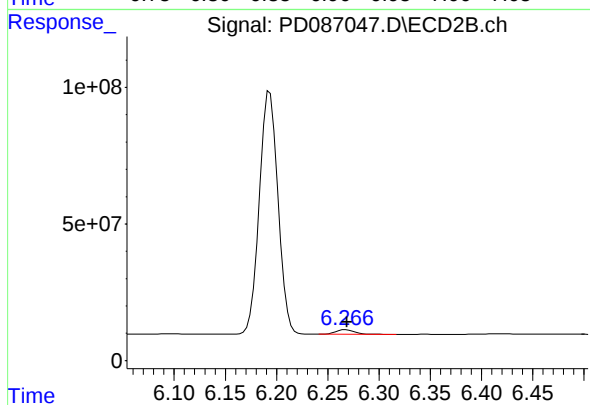
#17 4,4'-DDT

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 1127473918
Conc: 84.56 ng/ml



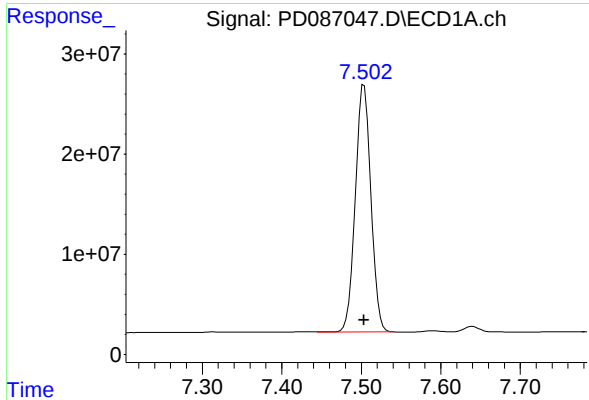
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 3701671
Conc: 1.51 ng/ml



#18 Endrin aldehyde

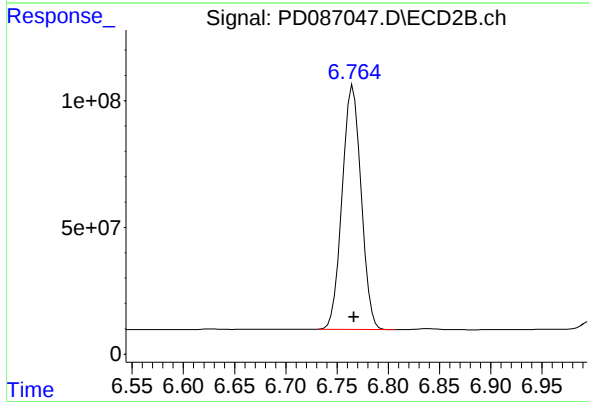
R.T.: 6.268 min
Delta R.T.: -0.001 min
Response: 21359571
Conc: 1.93 ng/ml



#20 Methoxychlor

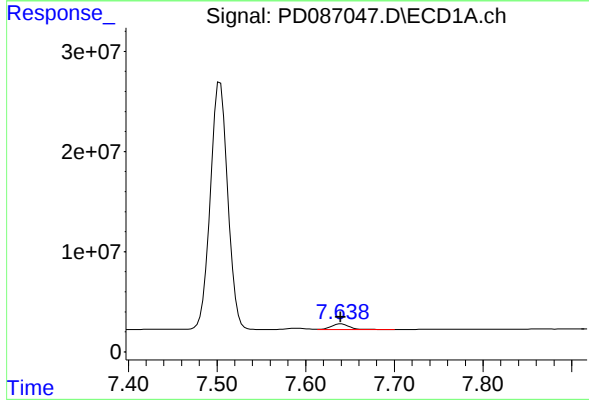
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 336389526
Conc: 210.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



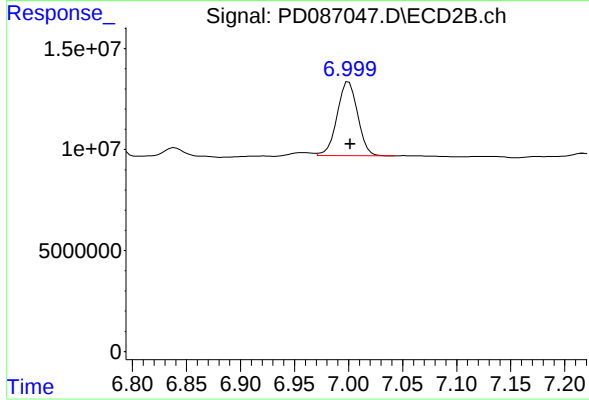
#20 Methoxychlor

R.T.: 6.766 min
Delta R.T.: -0.001 min
Response: 1237384174
Conc: 172.50 ng/ml



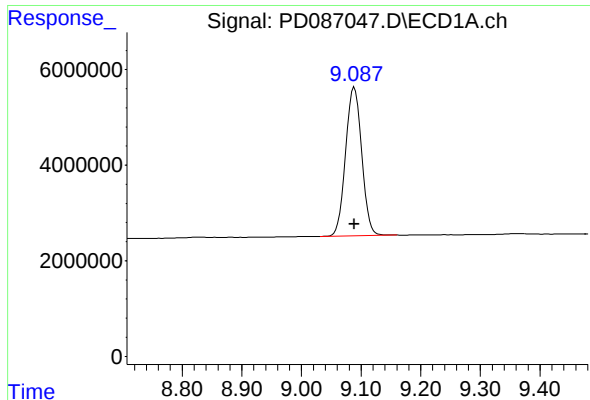
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 7680014
Conc: 2.37 ng/ml



#21 Endrin ketone

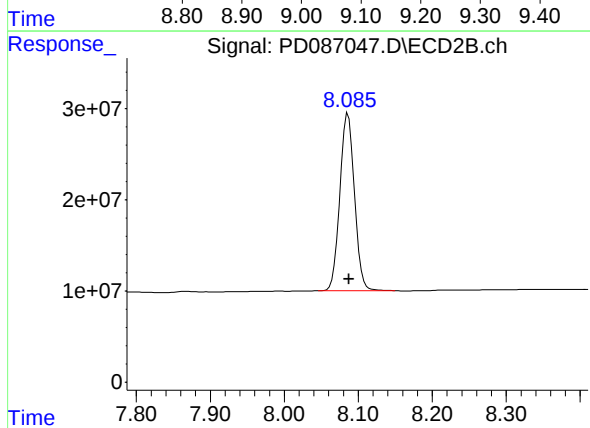
R.T.: 7.000 min
Delta R.T.: -0.002 min
Response: 48597779
Conc: 3.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 58338555
Conc: 18.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.001 min
Response: 266950471
Conc: 19.16 ng/ml

Analytical Sequence

Client: Weston Solutions	SDG No.: P5117
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/27/2024 11/27/2024

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 #
LBLK	LBLK	11/27/2024	10:47	PD086944.D	9.09	3.56
PEM	PEM	11/27/2024	11:01	PD086945.D	9.09	3.56
RESCHK	RESCHK	11/27/2024	11:15	PD086946.D	9.09	3.56
PSTDICC100	PSTDICC100	11/27/2024	11:29	PD086947.D	9.09	3.56
PSTDICC075	PSTDICC075	11/27/2024	11:42	PD086948.D	9.09	3.56
PSTDICC050	PSTDICC050	11/27/2024	11:56	PD086949.D	9.09	3.56
PSTDICC025	PSTDICC025	11/27/2024	12:10	PD086950.D	9.09	3.56
PSTDICC005	PSTDICC005	11/27/2024	12:24	PD086951.D	9.09	3.56
PCHLORICC500	PCHLORICC500	11/27/2024	13:06	PD086954.D	9.09	3.56
PTOXICC500	PTOXICC500	11/27/2024	14:16	PD086959.D	9.09	3.56
PEM	PEM	12/06/2024	10:43	PD087047.D	9.09	3.56
LBLK	LBLK	12/06/2024	14:42	PD087056.D	9.09	3.56
PSTDCCC050	PSTDCCC050	12/06/2024	14:56	PD087057.D	9.09	3.56
PB165454BL	PB165454BL	12/06/2024	16:34	PD087064.D	9.09	3.56
PB165454BS	PB165454BS	12/06/2024	16:48	PD087065.D	9.09	3.56
PB165390TB	PB165390TB	12/06/2024	17:02	PD087066.D	9.09	3.56
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	12/06/2024	17:15	PD087067.D	9.09	3.56
TAPIAL2-IDW-SOIL-120424-00-T2MS	P5117-02MS	12/06/2024	17:29	PD087068.D	9.09	3.56
TAPIAL2-IDW-SOIL-120424-00-T2MSD	P5117-02MSD	12/06/2024	17:43	PD087069.D	9.09	3.56
LBLK	LBLK	12/06/2024	17:57	PD087070.D	9.09	3.56
PSTDCCC050	PSTDCCC050	12/06/2024	18:11	PD087071.D	9.09	3.56

Analytical Sequence

Client: Weston Solutions	SDG No.: P5117
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 11/27/2024 11/27/2024

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 #
LBLK	LBLK	11/27/2024	10:47	PD086944.D	8.10	2.90
PEM	PEM	11/27/2024	11:01	PD086945.D	8.09	2.88
RESCHK	RESCHK	11/27/2024	11:15	PD086946.D	8.09	2.88
PSTDICCC100	PSTDICCC100	11/27/2024	11:29	PD086947.D	8.09	2.88
PSTDICCC075	PSTDICCC075	11/27/2024	11:42	PD086948.D	8.09	2.88
PSTDICCC050	PSTDICCC050	11/27/2024	11:56	PD086949.D	8.09	2.88
PSTDICCC025	PSTDICCC025	11/27/2024	12:10	PD086950.D	8.09	2.88
PSTDICCC005	PSTDICCC005	11/27/2024	12:24	PD086951.D	8.09	2.88
PCHLORICC500	PCHLORICC500	11/27/2024	13:06	PD086954.D	8.09	2.88
PTOXICC500	PTOXICC500	11/27/2024	14:16	PD086959.D	8.09	2.88
PEM	PEM	12/06/2024	10:43	PD087047.D	8.09	2.88
LBLK	LBLK	12/06/2024	14:42	PD087056.D	8.09	2.88
PSTDCCC050	PSTDCCC050	12/06/2024	14:56	PD087057.D	8.09	2.88
PB165454BL	PB165454BL	12/06/2024	16:34	PD087064.D	8.09	2.88
PB165454BS	PB165454BS	12/06/2024	16:48	PD087065.D	8.09	2.88
PB165390TB	PB165390TB	12/06/2024	17:02	PD087066.D	8.09	2.88
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	12/06/2024	17:15	PD087067.D	8.09	2.88
TAPIAL2-IDW-SOIL-120424-00-T2MS	P5117-02MS	12/06/2024	17:29	PD087068.D	8.09	2.89
TAPIAL2-IDW-SOIL-120424-00-T2MSD	P5117-02MSD	12/06/2024	17:43	PD087069.D	8.09	2.89
LBLK	LBLK	12/06/2024	17:57	PD087070.D	8.09	2.88
PSTDCCC050	PSTDCCC050	12/06/2024	18:11	PD087071.D	8.09	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165454BS

Contract: WEST04

Lab Code: CHEM

Case No.: P5117

SAS No.: P5117

SDG NO.: P5117

Lab Sample ID: PB165454BS

Date(s) Analyzed: 12/06/2024

12/06/2024

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.44	3.5
	2	6.77	6.72	6.82	0.45	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.48	0.9
	2	3.73	3.68	3.78	0.48	
Heptachlor	1	4.94	4.89	4.99	0.49	0.5
	2	4.09	4.04	4.14	0.49	
Heptachlor epoxide	1	5.70	5.65	5.75	0.47	0.2
	2	4.88	4.83	4.93	0.47	
Endrin	1	6.58	6.53	6.63	0.45	2.8
	2	5.80	5.75	5.85	0.47	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TAPIAL2-IDW-SOIL-120424-00-

Contract: WEST04

Lab Code: CHEM

Case No.: P5117

SAS No.: P5117

SDG NO.: P5117

Lab Sample ID: P5117-02MS

Date(s) Analyzed: 12/06/2024

12/06/2024

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.80	2.1
	2	6.77	6.72	6.82	4.90	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	5.20	1.9
	2	3.74	3.69	3.79	5.10	
Heptachlor	1	4.94	4.89	4.99	5.50	5.6
	2	4.09	4.04	4.14	5.20	
Heptachlor epoxide	1	5.70	5.65	5.75	5.10	2
	2	4.88	4.83	4.93	5.00	
Endrin	1	6.58	6.53	6.63	5.20	1.9
	2	5.80	5.75	5.85	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TAPIAL2-IDW-SOIL-120424-00-

Contract: WEST04

Lab Code: CHEM

Case No.: P5117

SAS No.: P5117

SDG NO.: P5117

Lab Sample ID: P5117-02MSD

Date(s) Analyzed: 12/06/2024

12/06/2024

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.80	2.1
	2	6.77	6.72	6.82	4.90	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	5.20	1.9
	2	3.74	3.69	3.79	5.10	
Heptachlor	1	4.94	4.89	4.99	5.40	5.7
	2	4.09	4.04	4.14	5.10	
Heptachlor epoxide	1	5.70	5.65	5.75	5.10	2
	2	4.88	4.83	4.93	5.00	
Endrin	1	6.58	6.53	6.63	5.20	1.9
	2	5.80	5.75	5.85	5.10	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165454BL	SDG No.:	P5117
Lab Sample ID:	PB165454BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087064.D	1	12/06/24 10:50	12/06/24 16:34	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.1		30 - 135		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		44 - 124		101%	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\PD120624\
Data File : PD087064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:34
Operator : AR\AJ
Sample : PB165454BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB165454BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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...	3.557	2.884	36528796	231.6E6	18.267	20.236
28) SA Decachlor...	9.088	8.086	54258944	239.0E6	17.057	17.151

Target Compounds

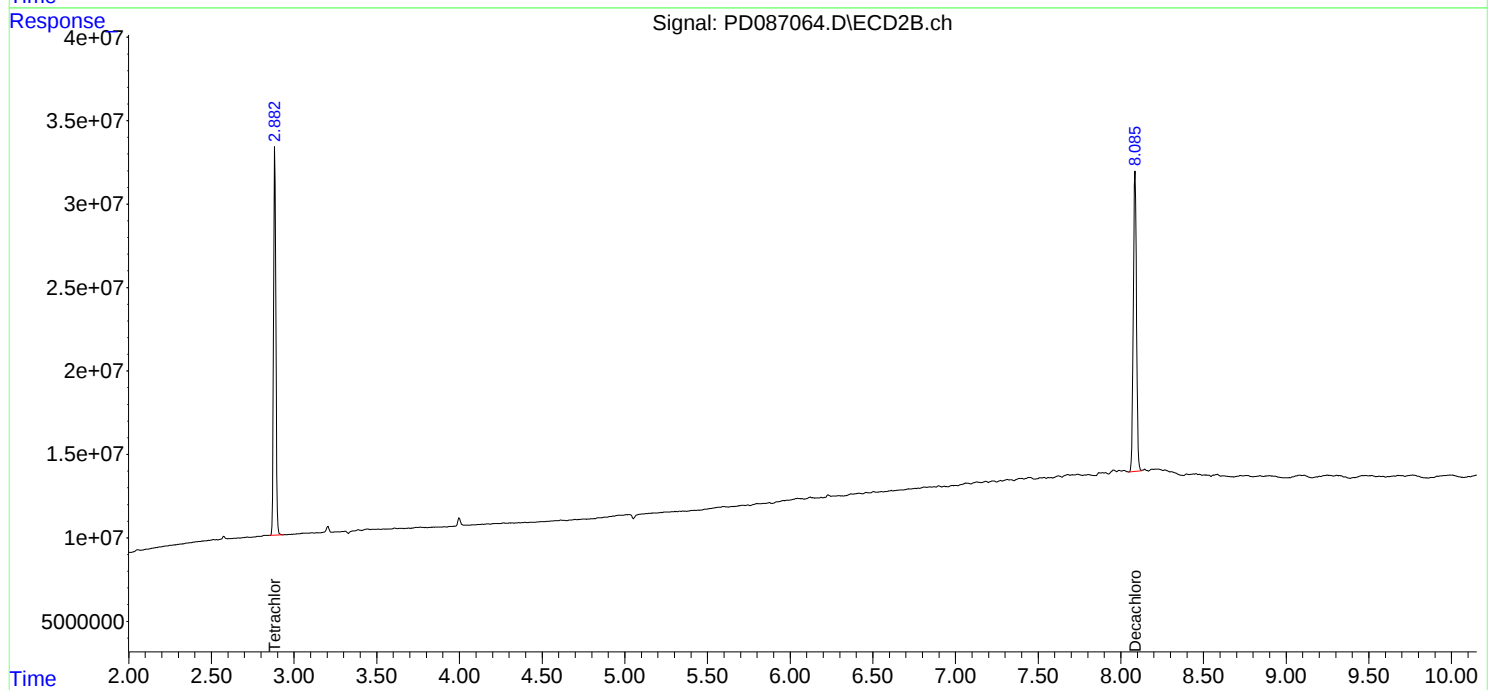
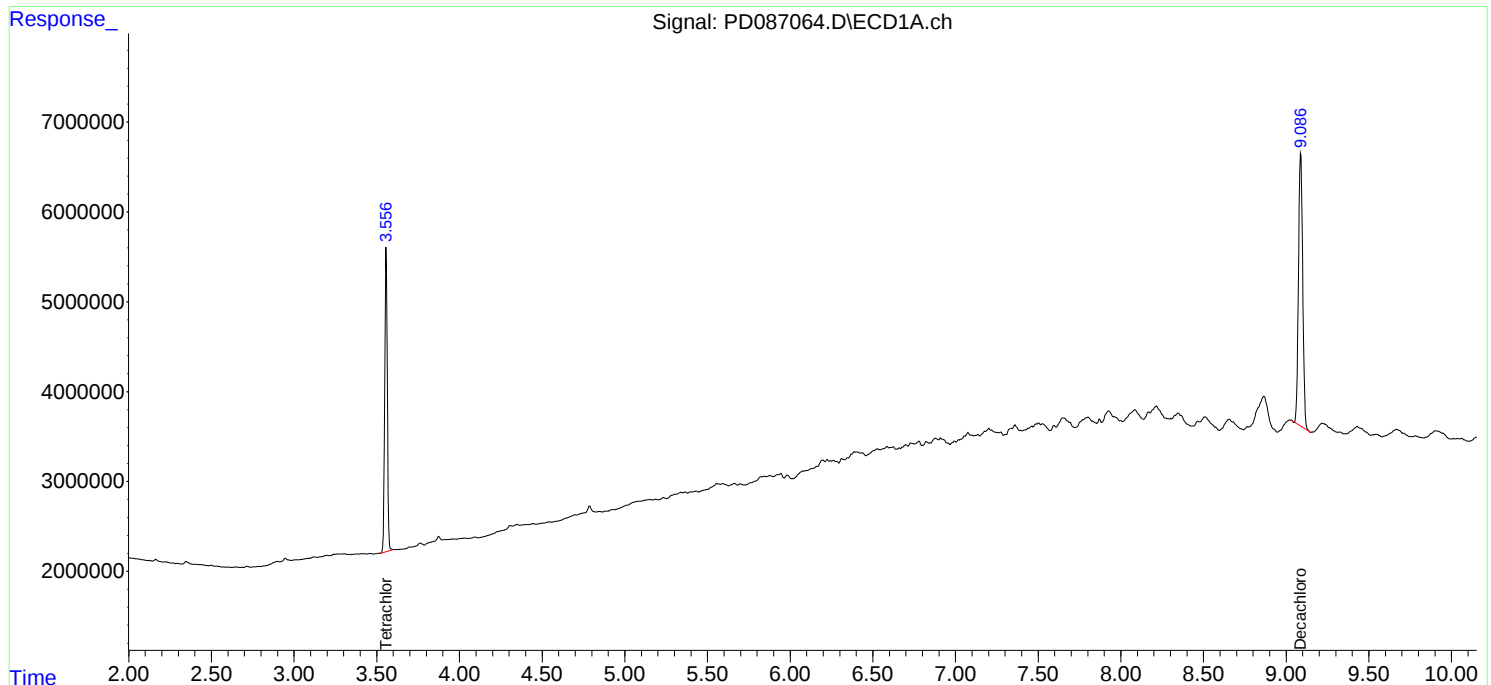
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

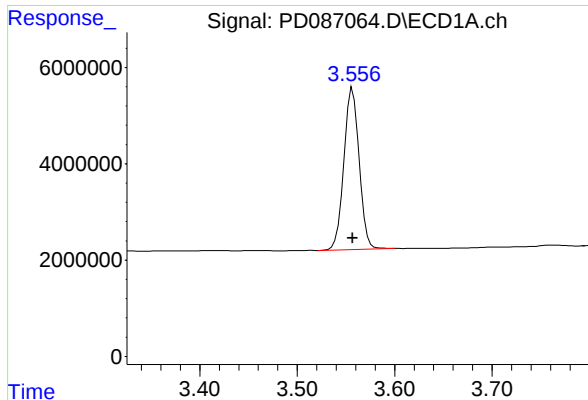
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:34
Operator : AR\AJ
Sample : PB165454BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB165454BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

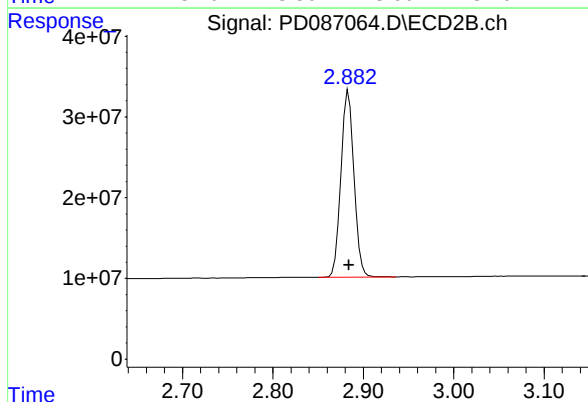




#1 Tetrachloro-m-xylene

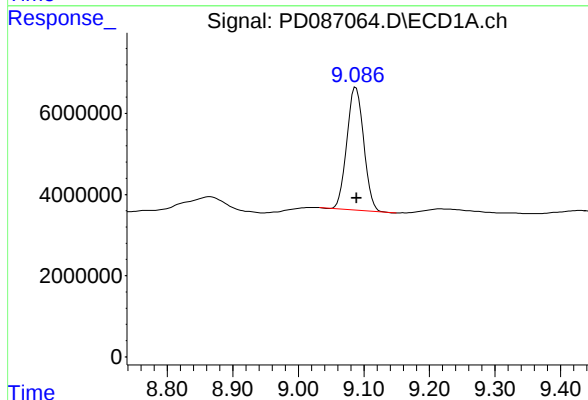
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 36528796
Conc: 18.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BL



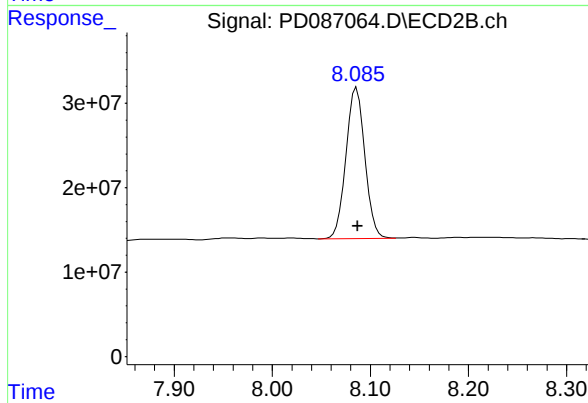
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 231628593
Conc: 20.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 54258944
Conc: 17.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.001 min
Response: 238968850
Conc: 17.15 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	11/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	11/27/24
Client Sample ID:	PIBLK-PD086944.D	SDG No.:	P5117
Lab Sample ID:	I.BLK-PD086944.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD086944.D	1		11/27/24	PD112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		44 - 124		105%	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\PD112724\
Data File : PD086944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 10:47
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: Nov 27 13:49:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial 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	2.900	40337212	241.1E6	20.171	21.060
2)	SA Decachlor...	9.087	8.103	69972367	306.6E6	21.997	22.005

Target Compounds

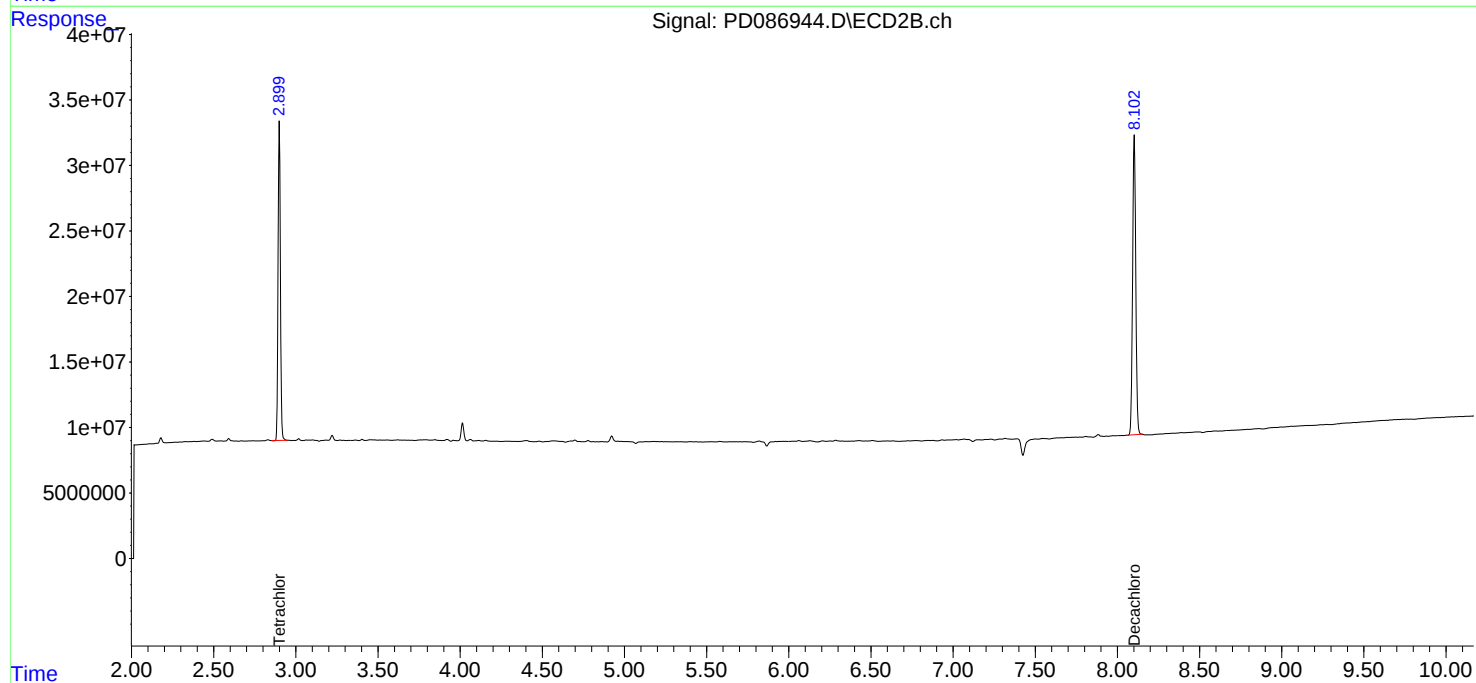
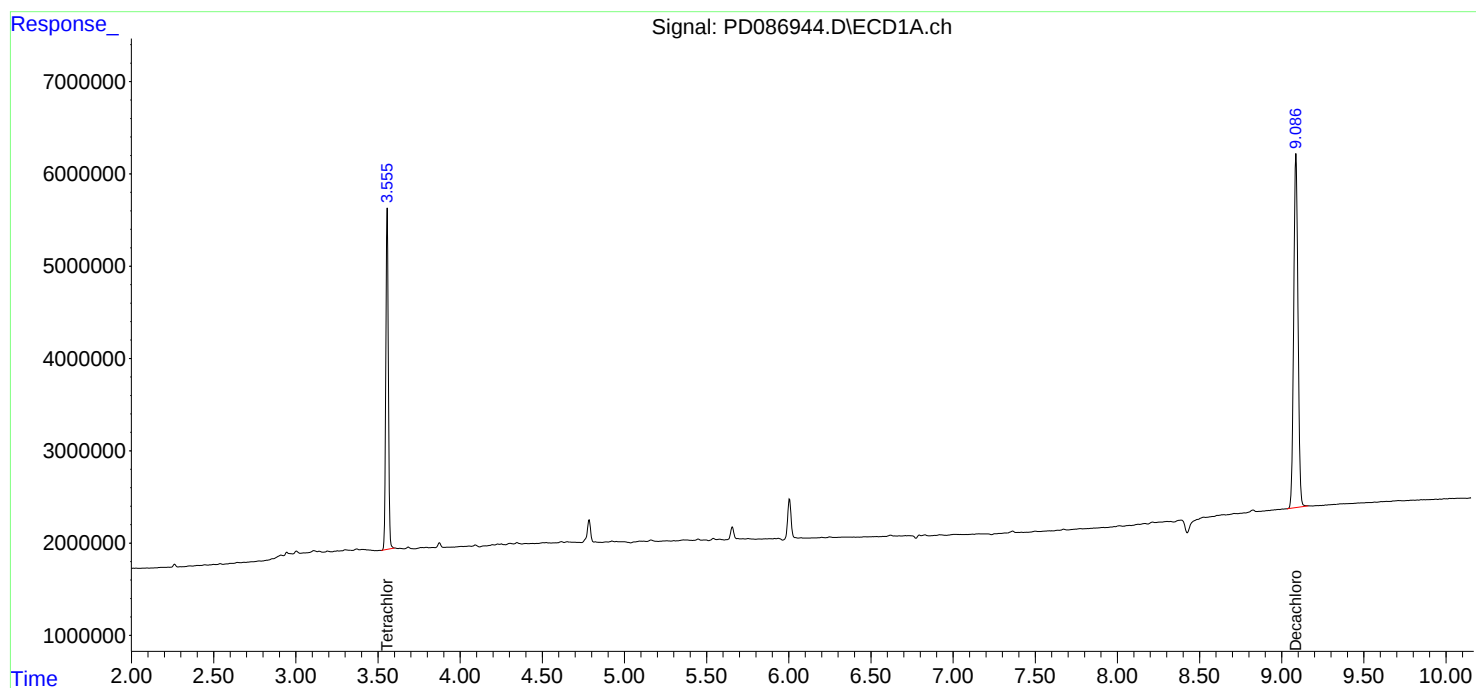
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

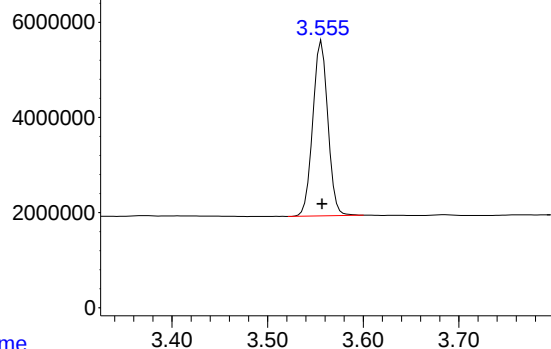
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 13:49:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD086944.D\ECD1A.ch

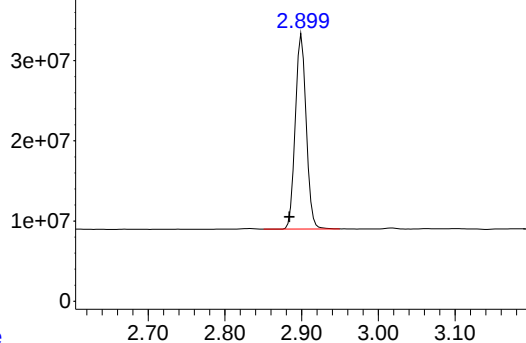


#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.000 min
Response: 40337212
Conc: 20.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

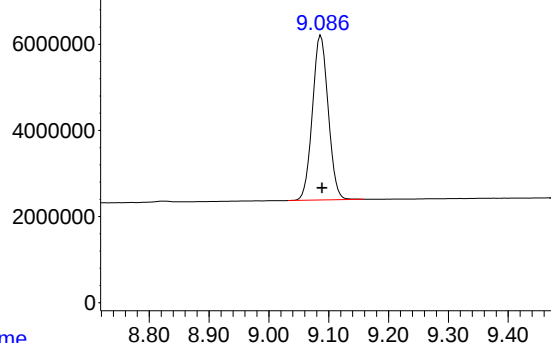
Time Response_ Signal: PD086944.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.900 min
Delta R.T.: 0.016 min
Response: 241061314
Conc: 21.06 ng/ml

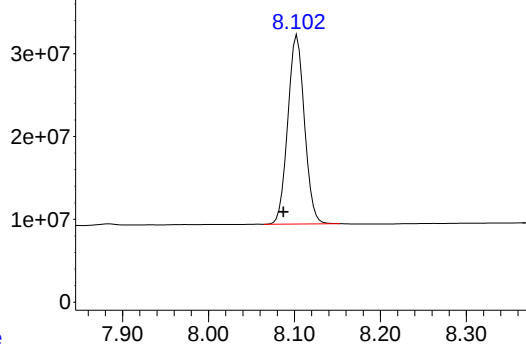
Time Response_ Signal: PD086944.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 69972367
Conc: 22.00 ng/ml

Time Response_ Signal: PD086944.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.103 min
Delta R.T.: 0.016 min
Response: 306599078
Conc: 22.01 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/06/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/06/24
Client Sample ID:	PIBLK-PD087056.D	SDG No.:	P5117
Lab Sample ID:	I.BLK-PD087056.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087056.D	1		12/06/24	PD120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.2		30 - 135		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		44 - 124		115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of 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\PD120624\
Data File : PD087056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:42
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: Dec 06 22:21:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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...	3.557	2.884	43867560	263.2E6	21.936	22.993
28) SA Decachlor...	9.088	8.087	66263687	295.1E6	20.831	21.177

Target Compounds

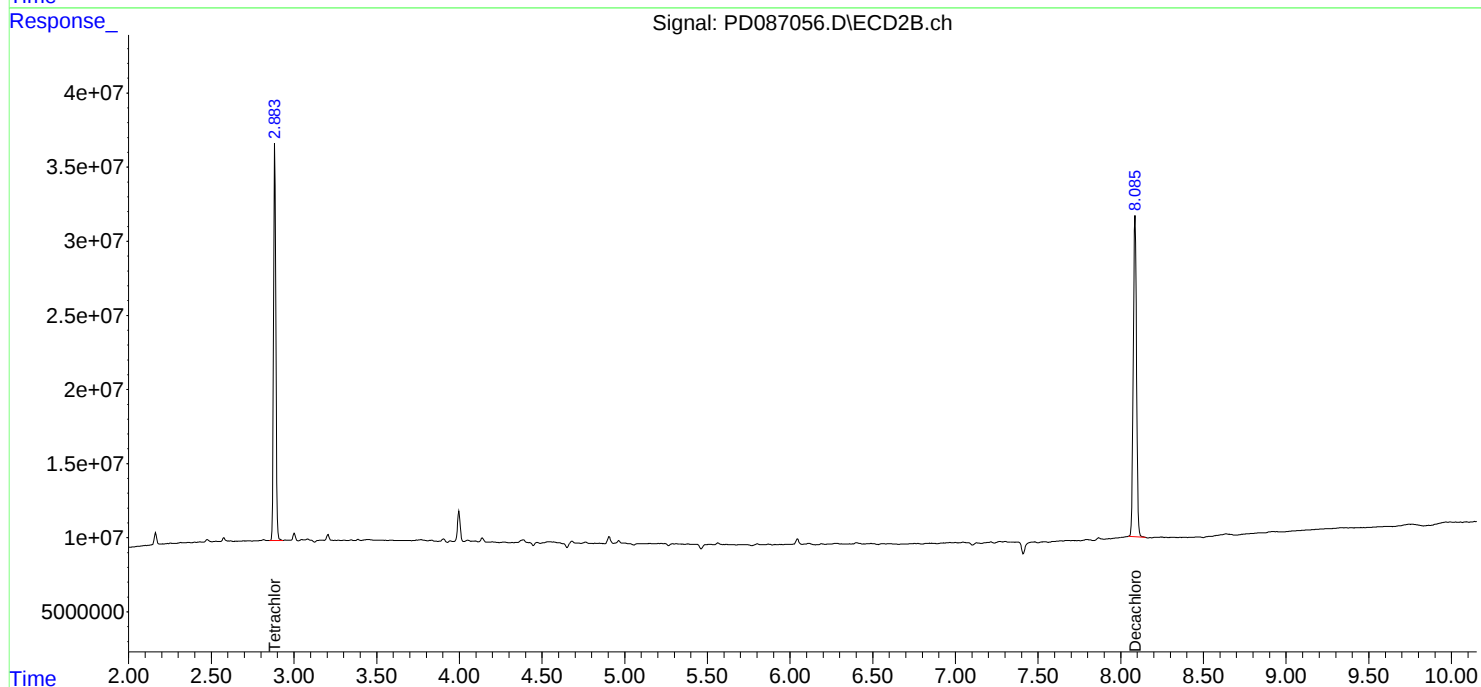
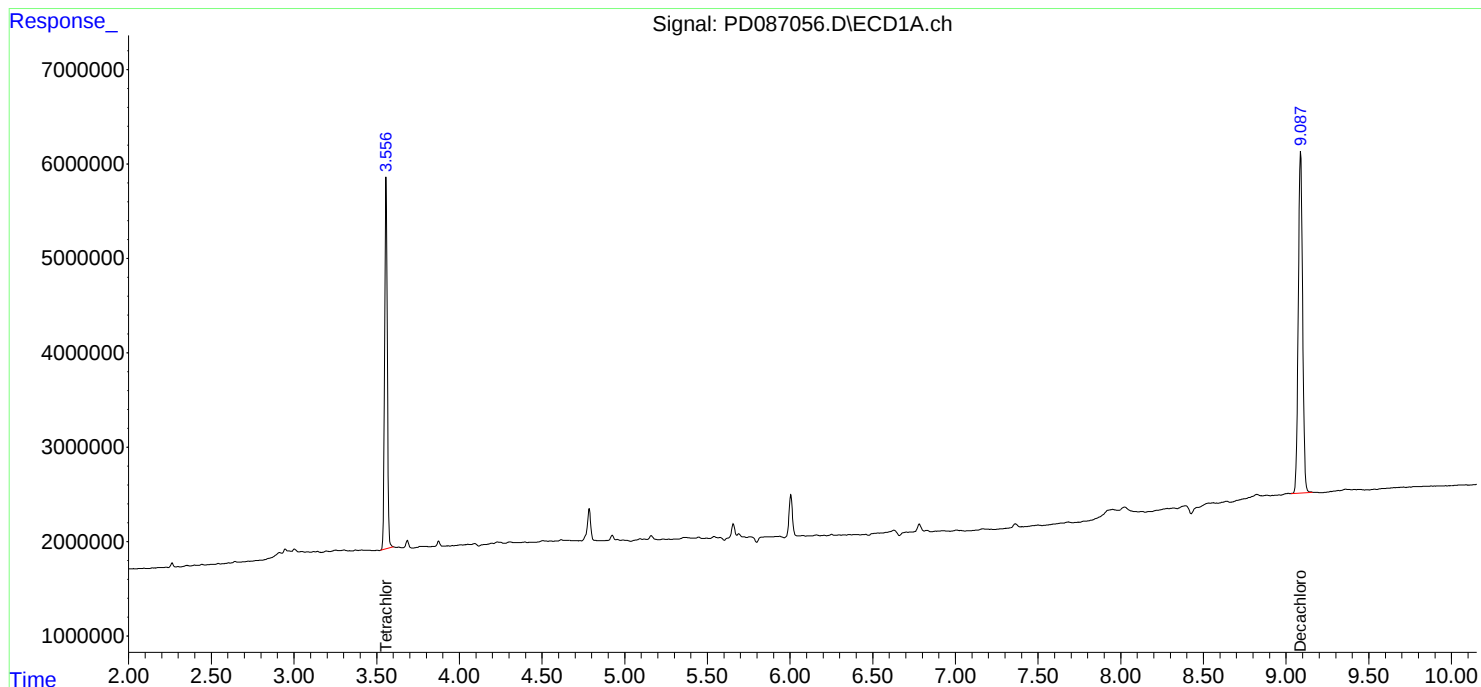
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

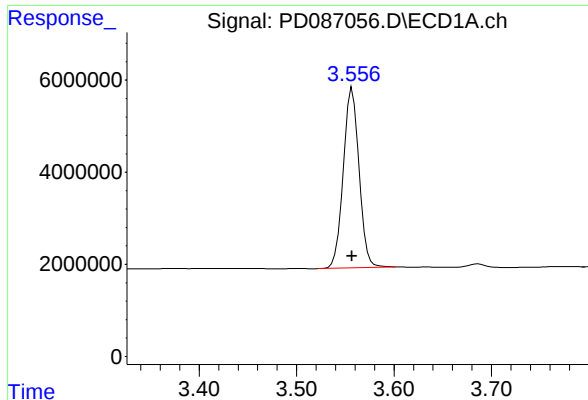
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:21:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

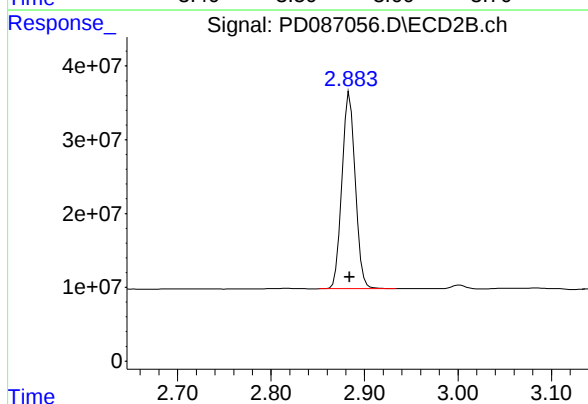




#1 Tetrachloro-m-xylene

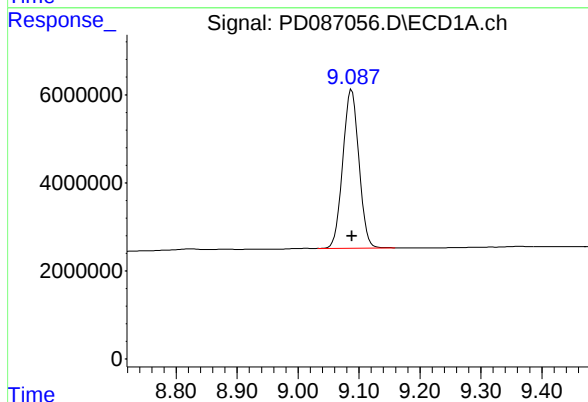
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 43867560
Conc: 21.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



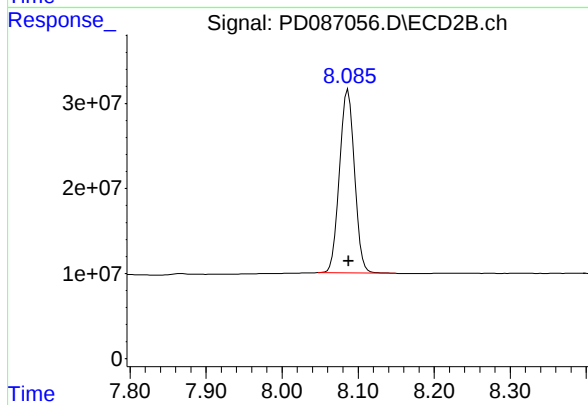
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 263190847
Conc: 22.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 66263687
Conc: 20.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 295054481
Conc: 21.18 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/06/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/06/24
Client Sample ID:	PIBLK-PD087070.D	SDG No.:	P5117
Lab Sample ID:	I.BLK-PD087070.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087070.D	1		12/06/24	pd120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.4		30 - 135		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		44 - 124		112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:57
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: Dec 06 22:25:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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...	3.557	2.884	42873519	255.9E6	21.439	22.359
28) SA Decachlor...	9.086	8.086	66333885	298.1E6	20.853	21.393

Target Compounds

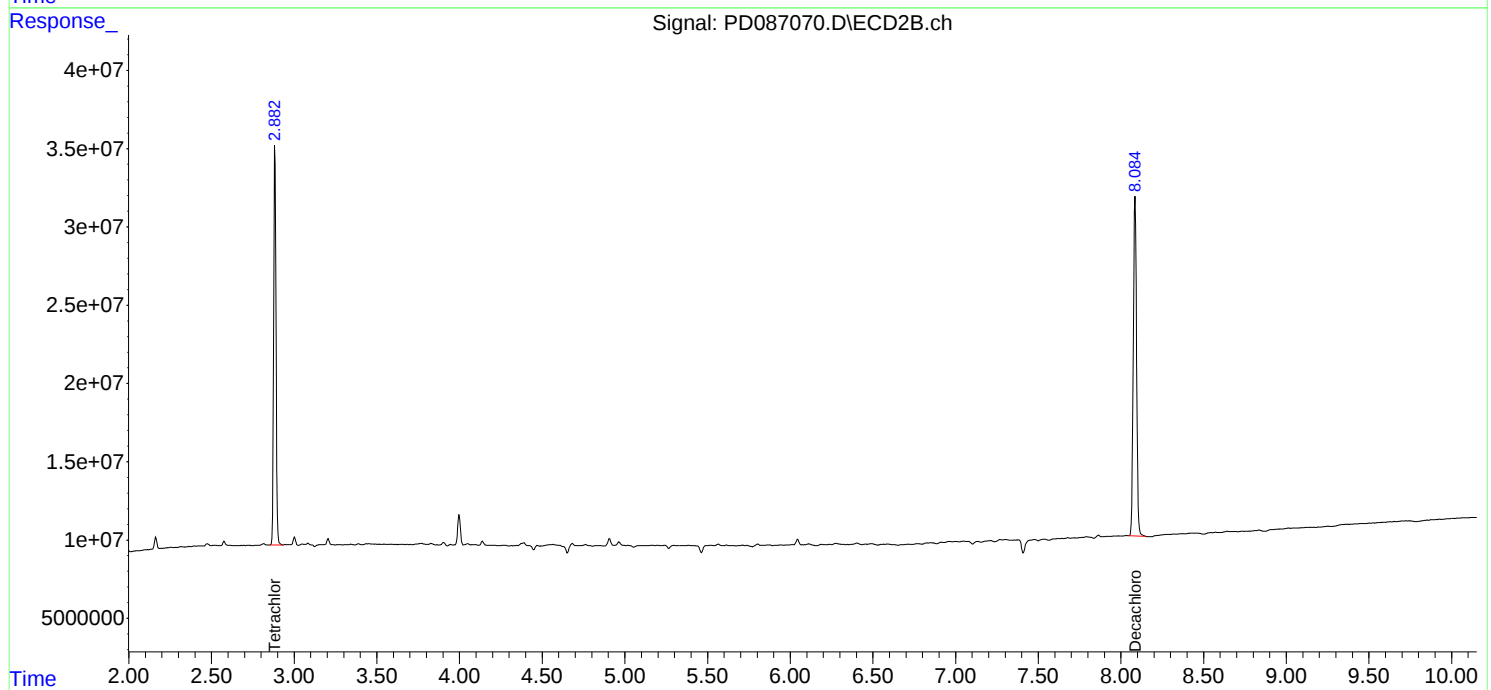
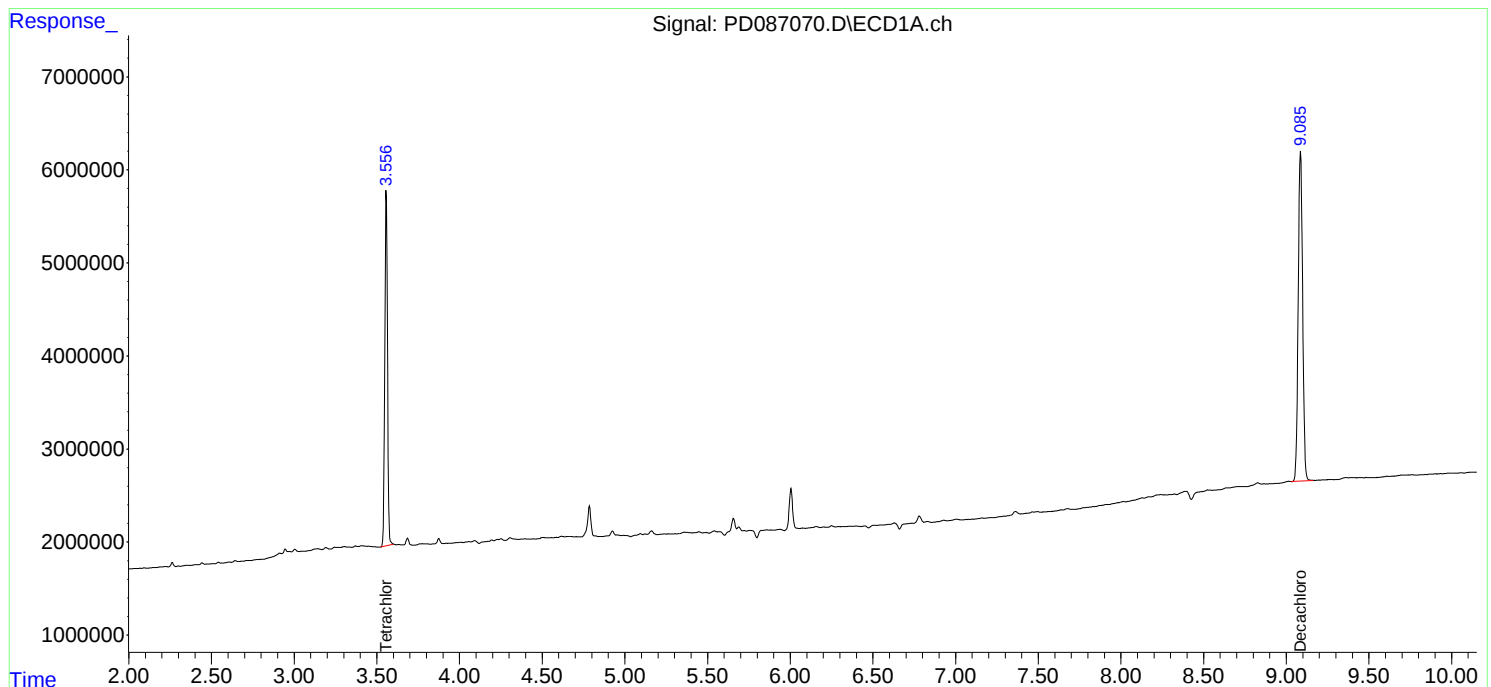
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

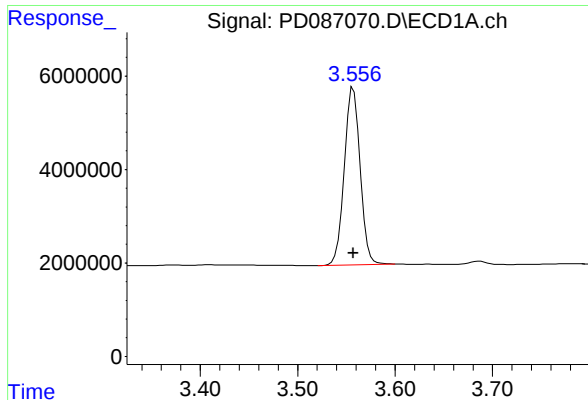
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:25:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

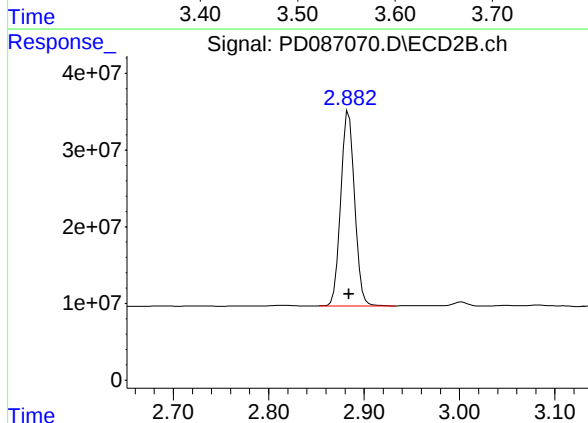




#1 Tetrachloro-m-xylene

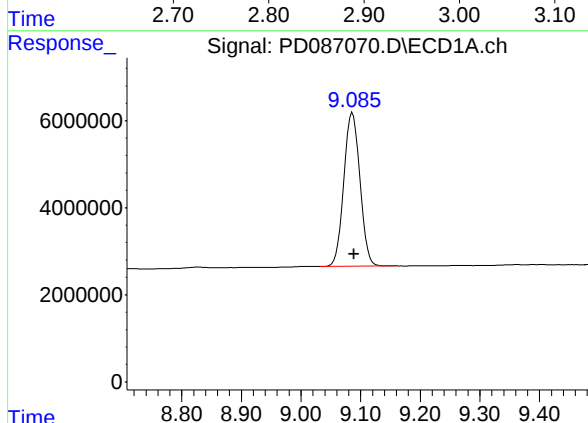
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 42873519
Conc: 21.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



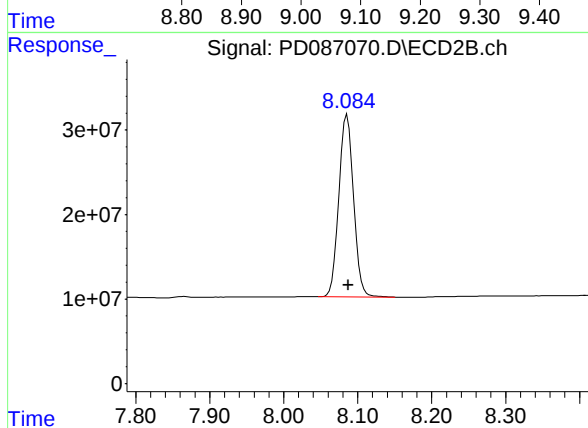
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 255930766
Conc: 22.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.086 min
Delta R.T.: -0.002 min
Response: 66333885
Conc: 20.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.002 min
Response: 298062990
Conc: 21.39 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165454BS	SDG No.:	P5117
Lab Sample ID:	PB165454BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087065.D	1	12/06/24 10:50	12/06/24 16:48	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.49		0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.47		0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.45		0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.1		30 - 135		90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		44 - 124		99%	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\PD120624\
Data File : PD087065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:48
Operator : AR\AJ
Sample : PB165454BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB165454BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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...	3.557	2.884	36196774	227.0E6	18.101	19.834
28) SA Decachlor...	9.087	8.086	57156593	251.9E6	17.968	18.078
Target Compounds						
2) A alpha-BHC	4.007	3.397	199.2E6	870.3E6	49.503	49.392
3) MA gamma-BHC...	4.338	3.734	190.4E6	809.4E6	47.739	48.193
4) MA Heptachlor	4.939	4.090	193.1E6	795.4E6	49.181	48.932
5) MB Aldrin	5.280	4.376	189.2E6	793.5E6	46.430	47.467
6) B beta-BHC	4.522	4.030	74767532	353.8E6	47.405	49.404
7) B delta-BHC	4.770	4.267	188.5E6	801.6E6	46.244	47.148
8) B Heptachlo...	5.700	4.881	169.7E6	714.6E6	46.959	47.066
9) A Endosulfan I	6.084	5.256	160.2E6	679.1E6	47.744	47.834
10) B gamma-Chl...	5.955	5.134	170.1E6	759.6E6	48.137	48.830
11) B alpha-Chl...	6.037	5.199	170.8E6	737.2E6	47.808	48.239
12) B 4,4'-DDE	6.205	5.385	154.6E6	738.6E6	47.510	48.996
13) MA Dieldrin	6.356	5.522	171.8E6	744.6E6	47.542	47.815
14) MA Endrin	6.584	5.798	137.6E6	654.5E6	45.476	46.791
15) B Endosulfa...	6.795	6.089	144.6E6	648.7E6	48.388	47.131
16) A 4,4'-DDD	6.714	5.939	124.2E6	609.2E6	47.795	48.465
17) MA 4,4'-DDT	7.031	6.194	129.1E6	618.0E6	45.717	46.347
18) B Endrin al...	6.924	6.268	110.6E6	497.8E6	45.252	44.874
19) B Endosulfa...	7.158	6.492	134.7E6	620.5E6	46.303	45.865
20) A Methoxychlor	7.503	6.766	69821379	324.4E6	43.658	45.219
21) B Endrin ke...	7.640	7.000	150.7E6	685.4E6	46.426	45.476
22) Mirex	8.124	7.197	104.0E6	503.3E6	41.691	40.814

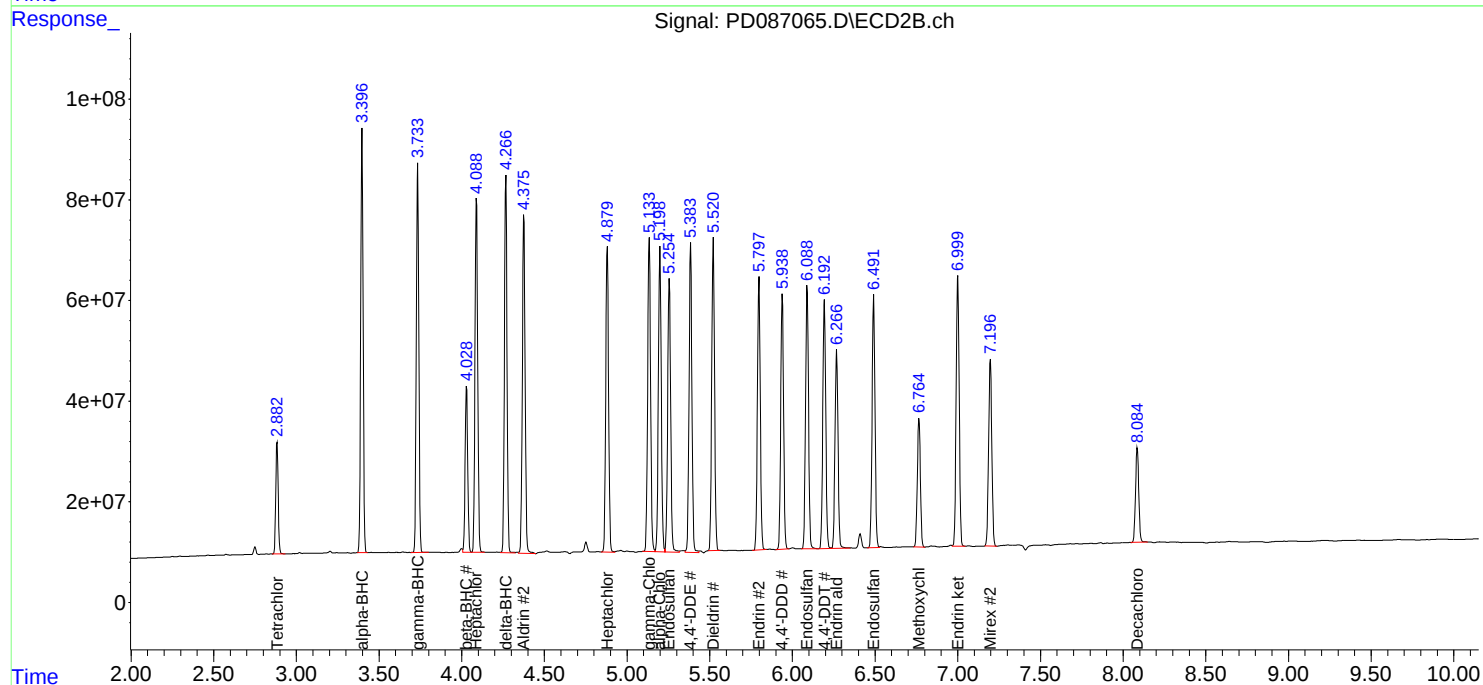
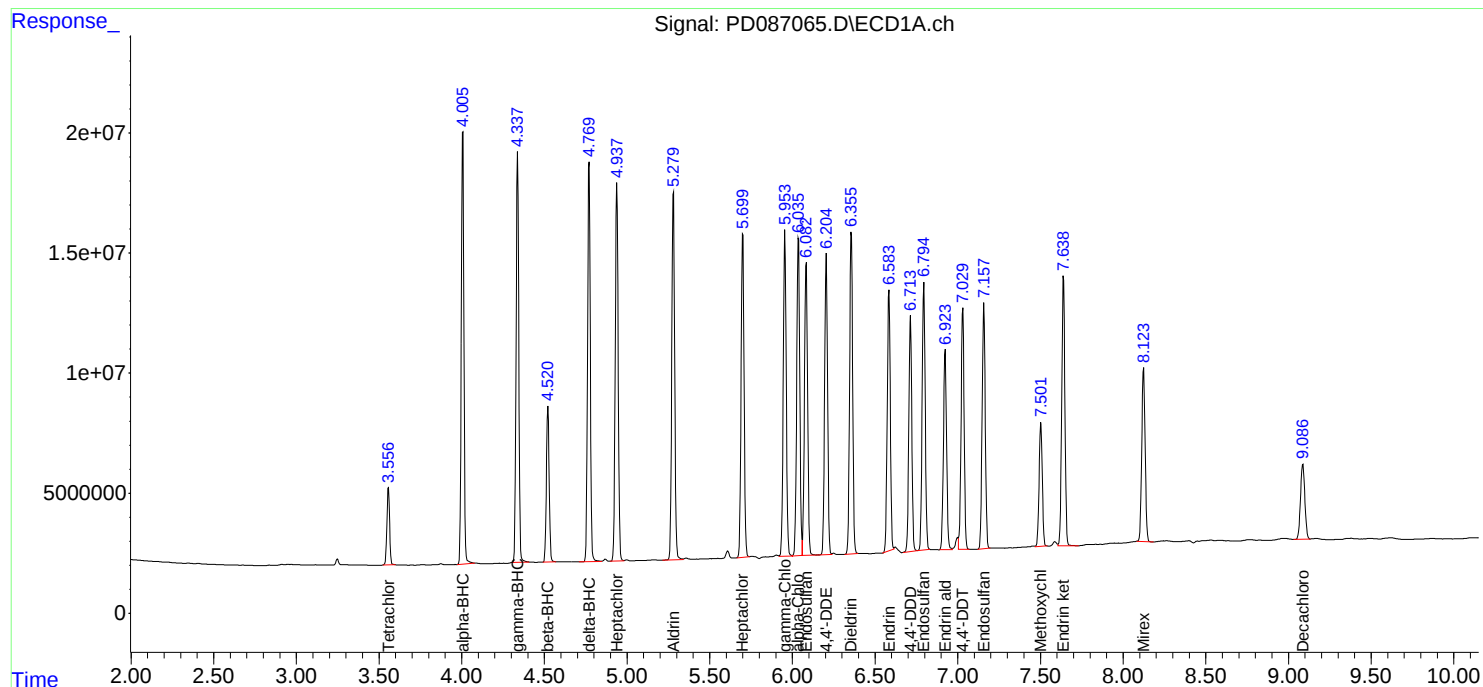
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

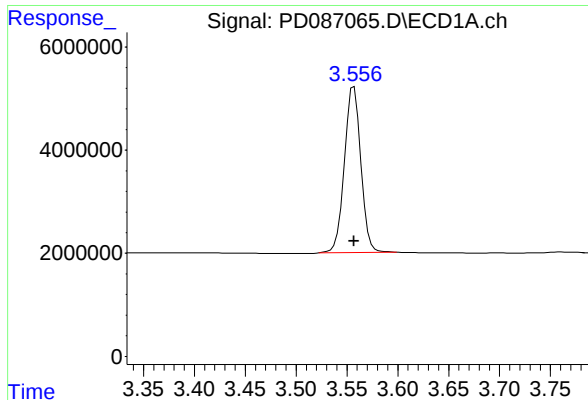
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:48
Operator : AR\AJ
Sample : PB165454BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB165454BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:24:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

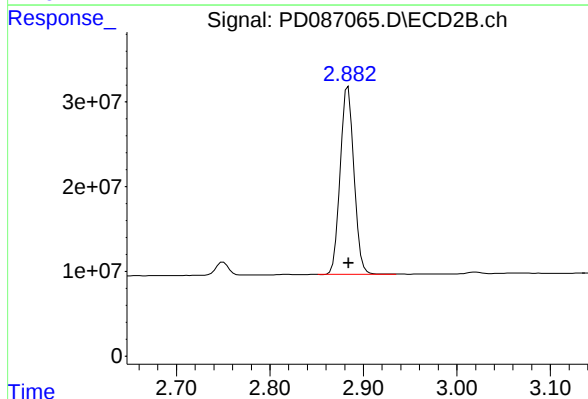




#1 Tetrachloro-m-xylene

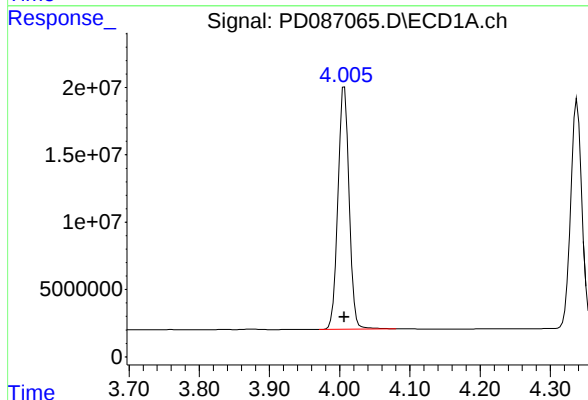
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 36196774
Conc: 18.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



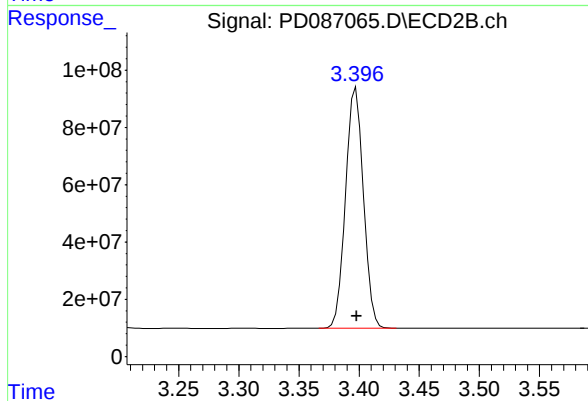
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 227021814
Conc: 19.83 ng/ml



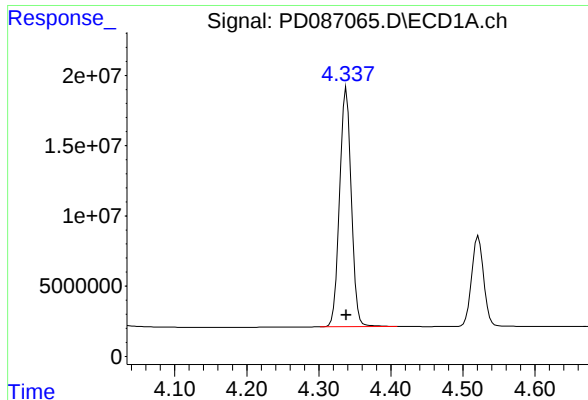
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 199201815
Conc: 49.50 ng/ml



#2 alpha-BHC

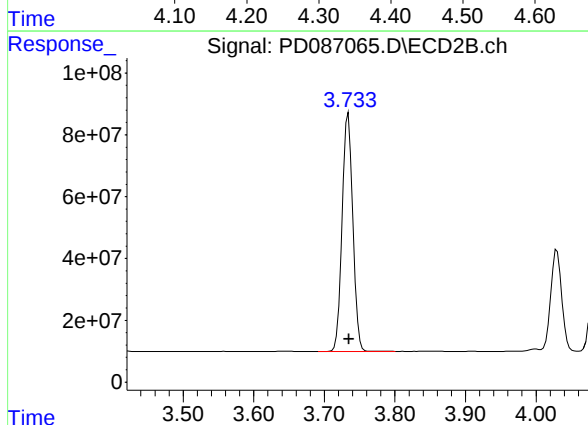
R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 870334610
Conc: 49.39 ng/ml



#3 gamma-BHC (Lindane)

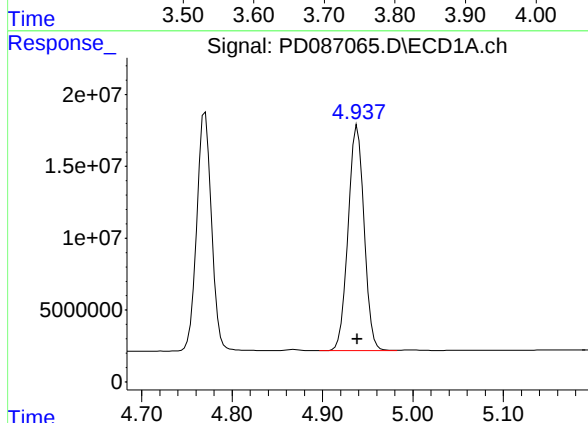
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 190404864
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



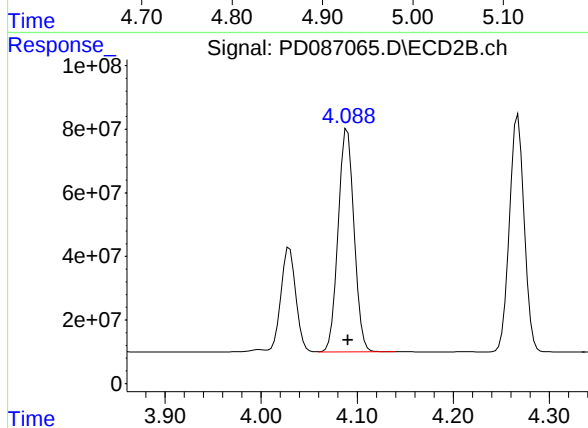
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 809401791
Conc: 48.19 ng/ml



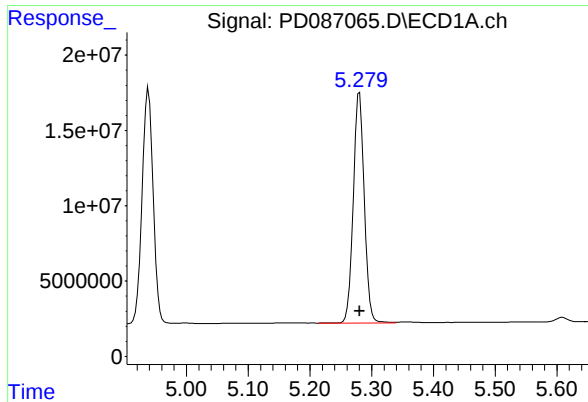
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 193094188
Conc: 49.18 ng/ml



#4 Heptachlor

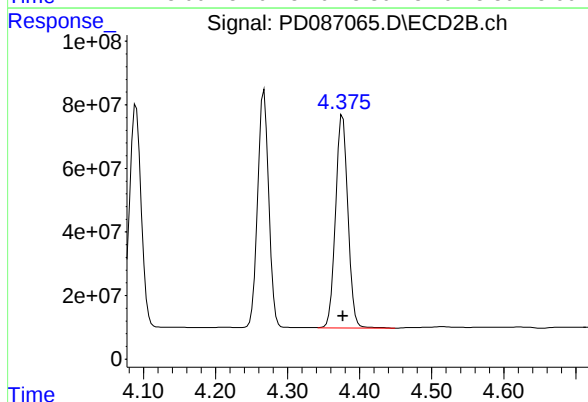
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 795426749
Conc: 48.93 ng/ml



#5 Aldrin

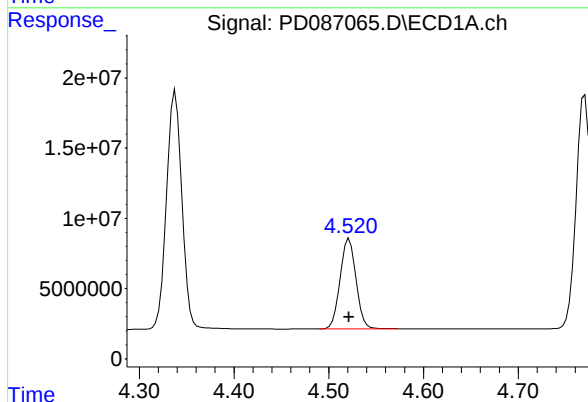
R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 189242650
Conc: 46.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



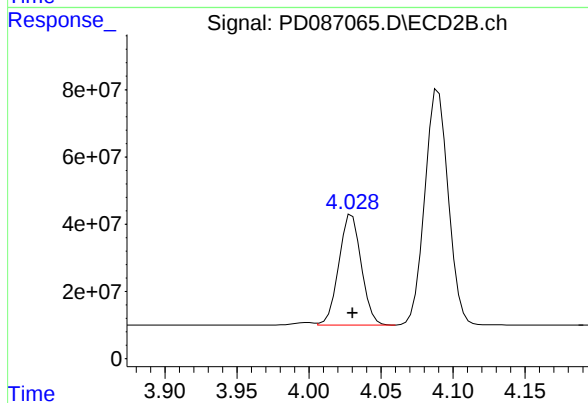
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: 0.000 min
Response: 793517130
Conc: 47.47 ng/ml



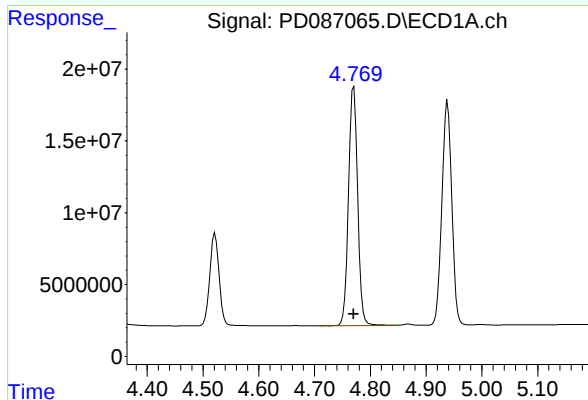
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 74767532
Conc: 47.41 ng/ml



#6 beta-BHC

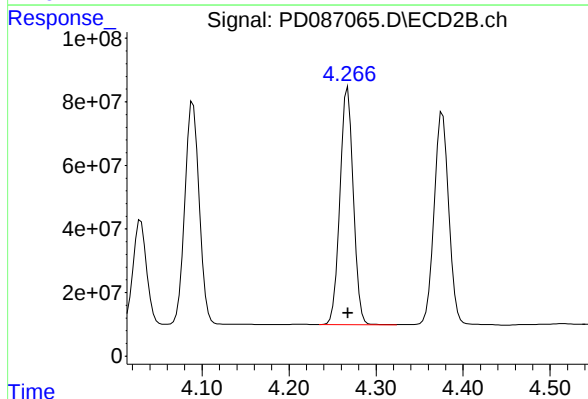
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 353821424
Conc: 49.40 ng/ml



#7 delta-BHC

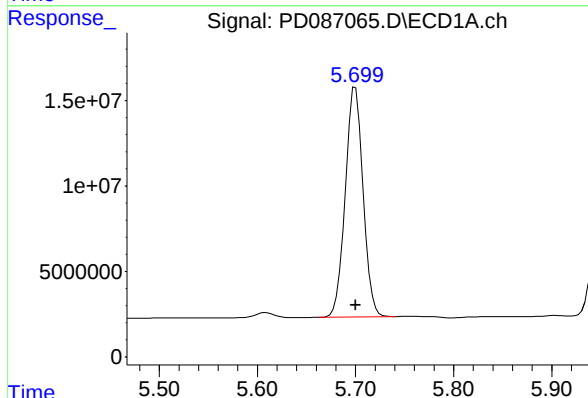
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 188493930
Conc: 46.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



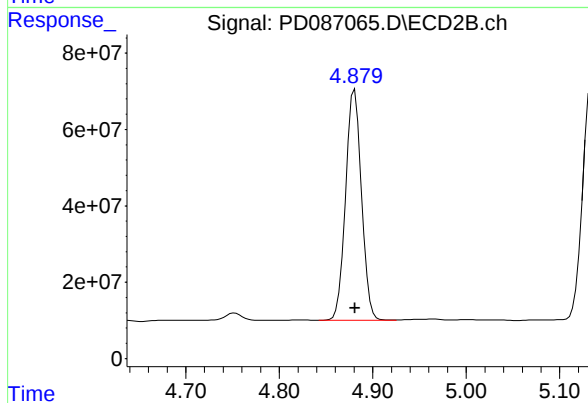
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 801626943
Conc: 47.15 ng/ml



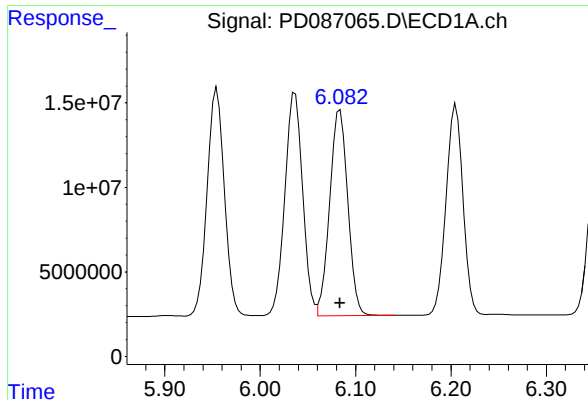
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 169689190
Conc: 46.96 ng/ml



#8 Heptachlor epoxide

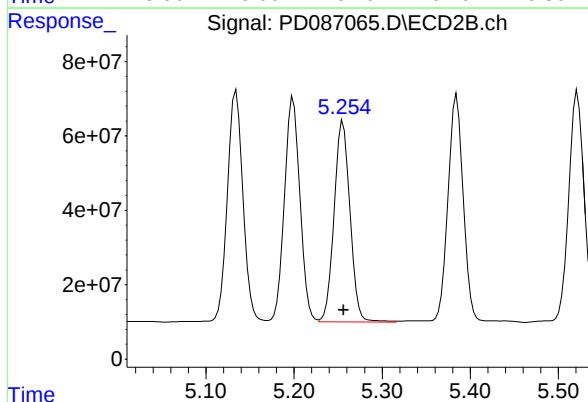
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 714639249
Conc: 47.07 ng/ml



#9 Endosulfan I

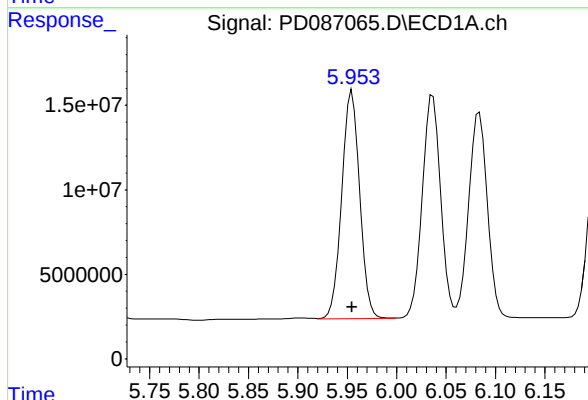
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 160217849
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



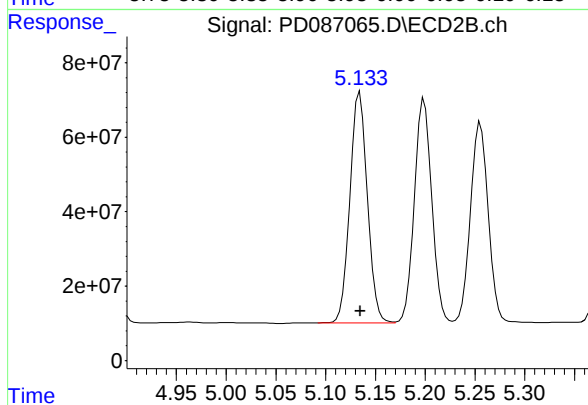
#9 Endosulfan I

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 679079534
Conc: 47.83 ng/ml



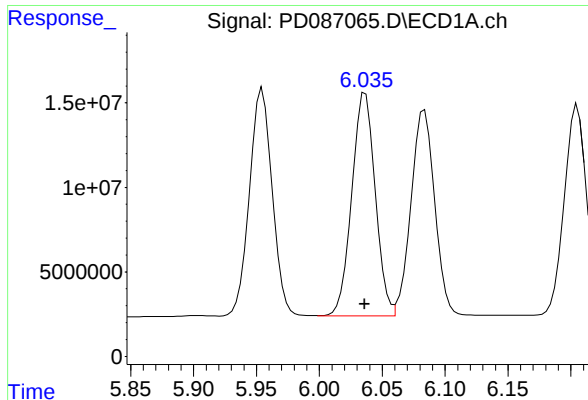
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 170066313
Conc: 48.14 ng/ml



#10 gamma-Chlordane

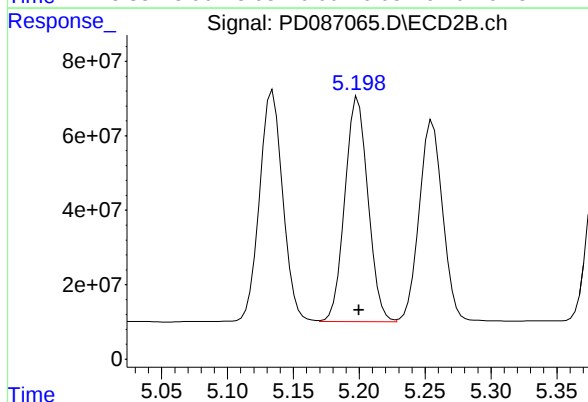
R.T.: 5.134 min
Delta R.T.: 0.000 min
Response: 759571182
Conc: 48.83 ng/ml



#11 alpha-Chlordane

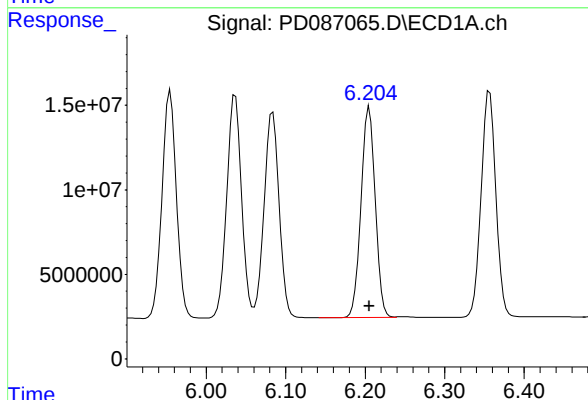
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 170811120
Conc: 47.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



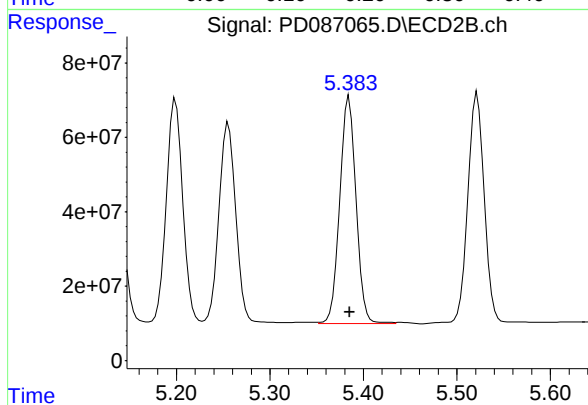
#11 alpha-Chlordane

R.T.: 5.199 min
Delta R.T.: -0.001 min
Response: 737193617
Conc: 48.24 ng/ml



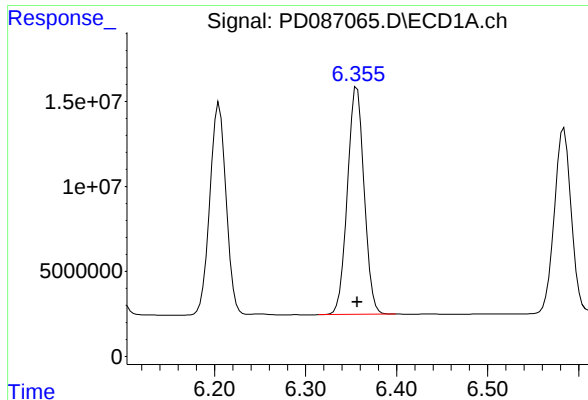
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 154582763
Conc: 47.51 ng/ml



#12 4,4'-DDE

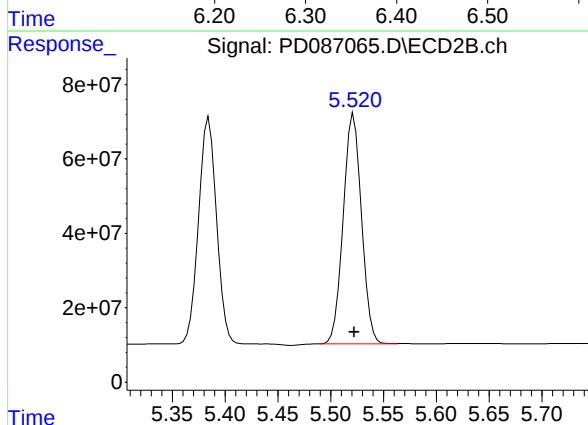
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 738593133
Conc: 49.00 ng/ml



#13 Dieldrin

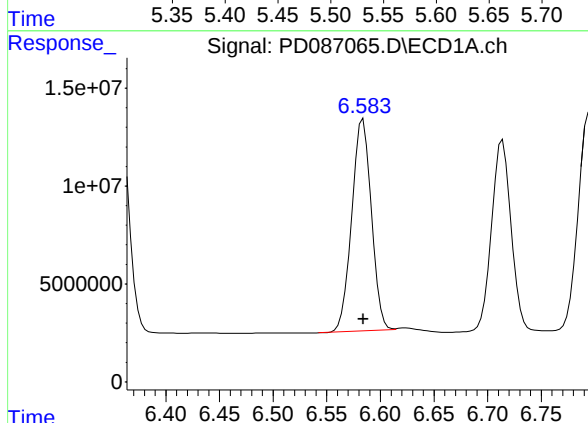
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 171753594
Conc: 47.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



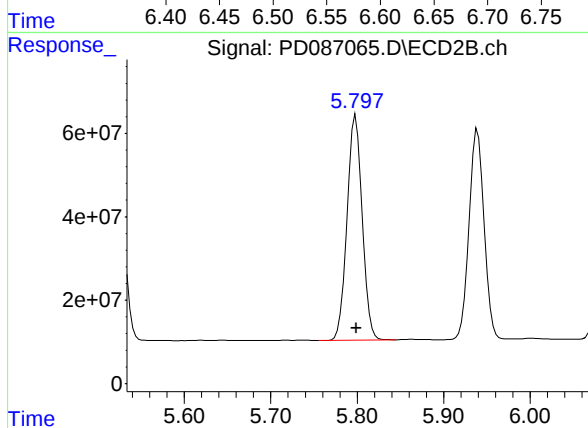
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 744559832
Conc: 47.81 ng/ml



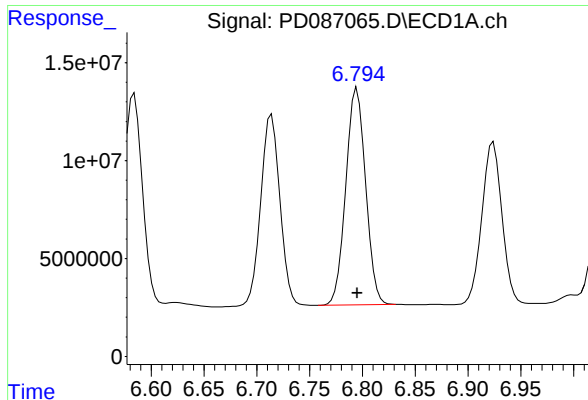
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 137607569
Conc: 45.48 ng/ml



#14 Endrin

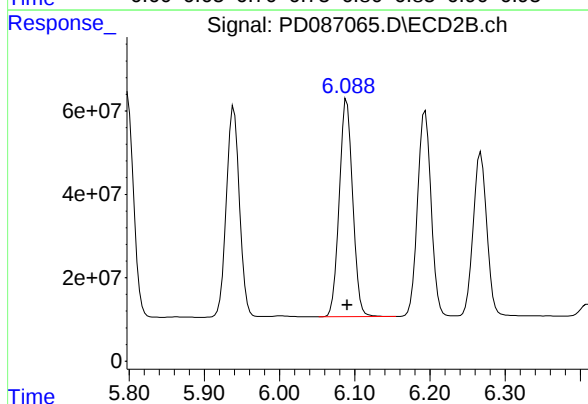
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 654548111
Conc: 46.79 ng/ml



#15 Endosulfan II

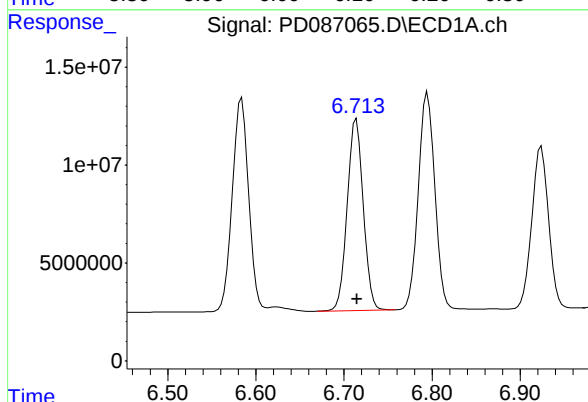
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 144633083
Conc: 48.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



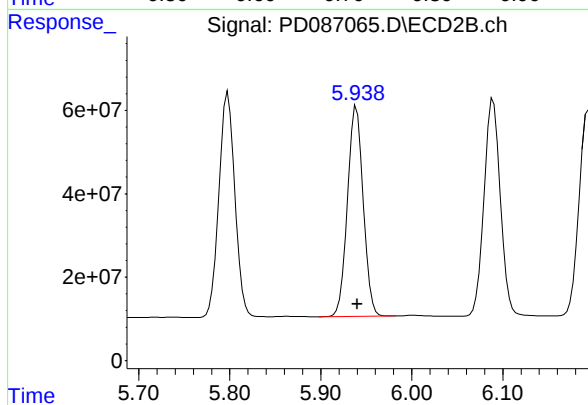
#15 Endosulfan II

R.T.: 6.089 min
Delta R.T.: 0.000 min
Response: 648709706
Conc: 47.13 ng/ml



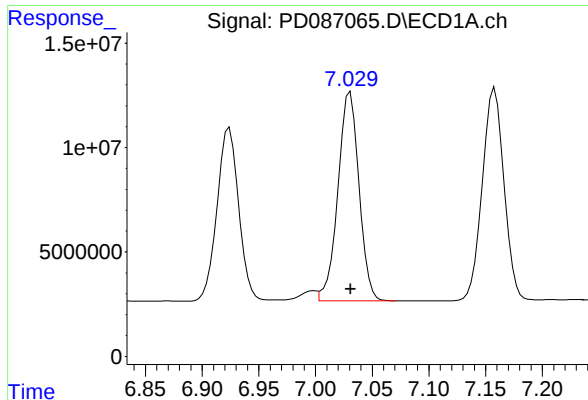
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 124248745
Conc: 47.80 ng/ml



#16 4,4'-DDD

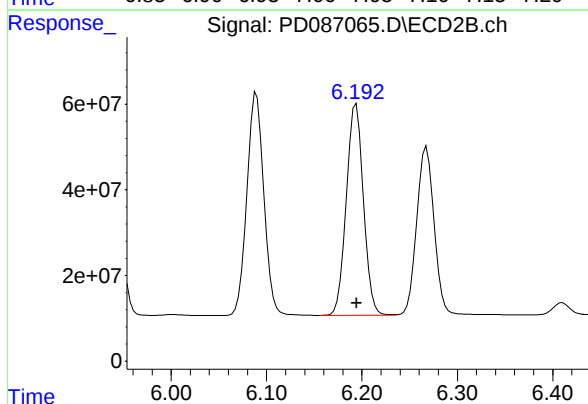
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 609180057
Conc: 48.46 ng/ml



#17 4,4'-DDT

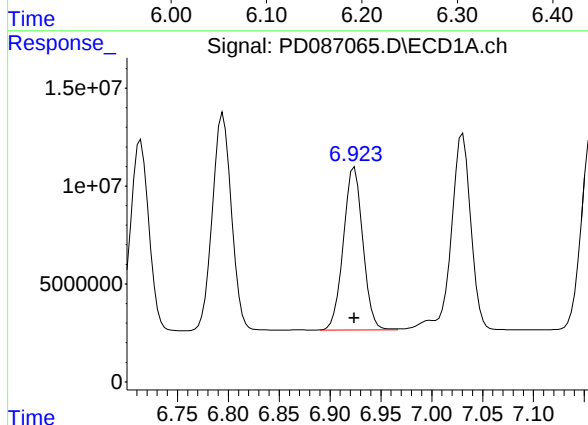
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 129145399
Conc: 45.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



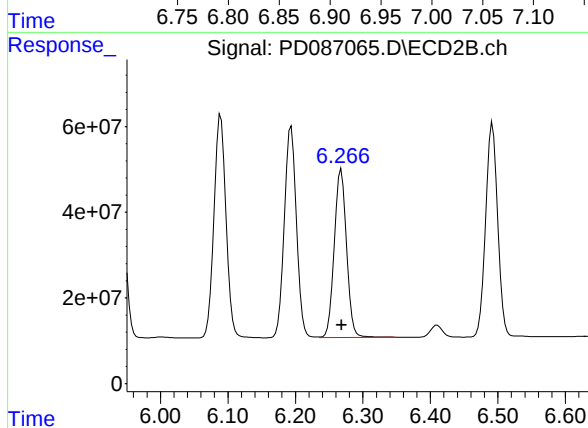
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 617981205
Conc: 46.35 ng/ml



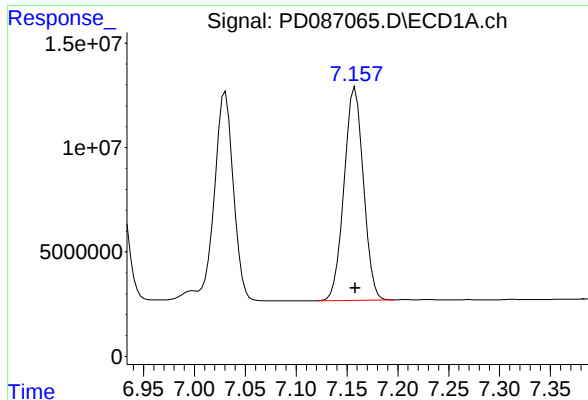
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 110625792
Conc: 45.25 ng/ml



#18 Endrin aldehyde

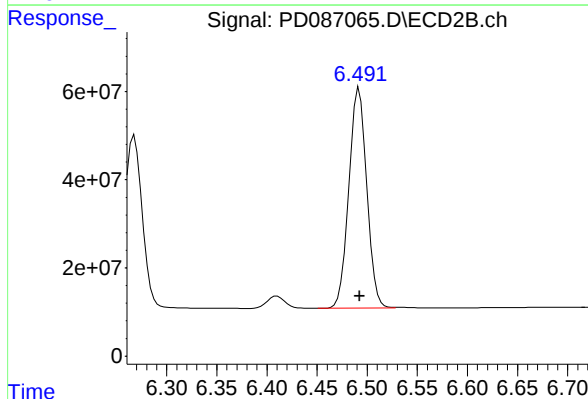
R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 497829661
Conc: 44.87 ng/ml



#19 Endosulfan Sulfate

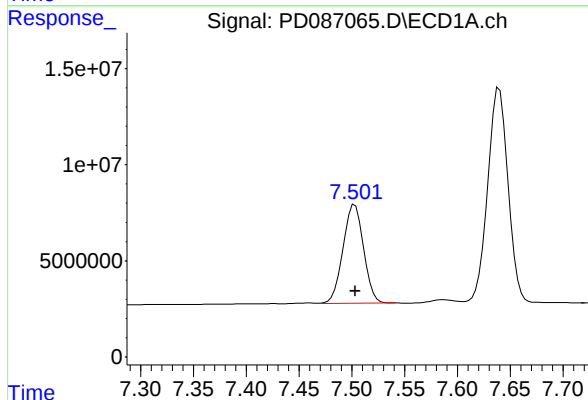
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 134747054
Conc: 46.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



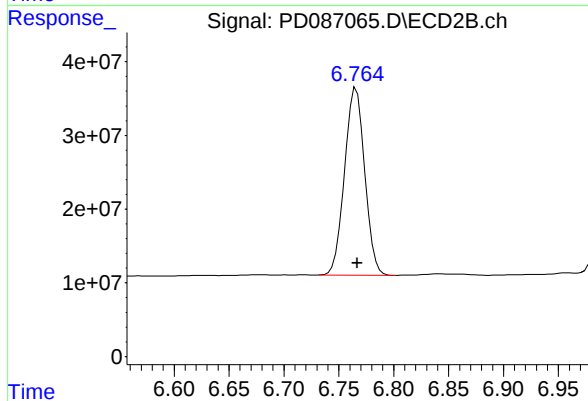
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 620544644
Conc: 45.87 ng/ml



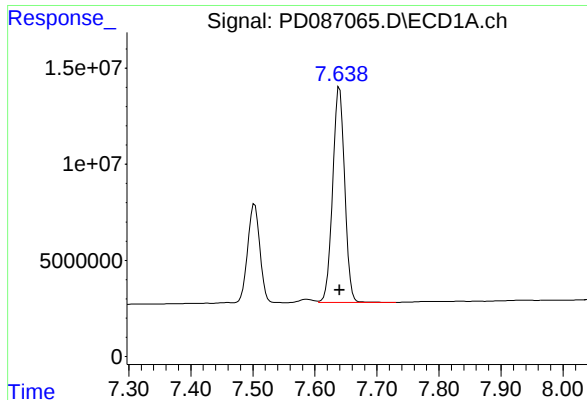
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 69821379
Conc: 43.66 ng/ml



#20 Methoxychlor

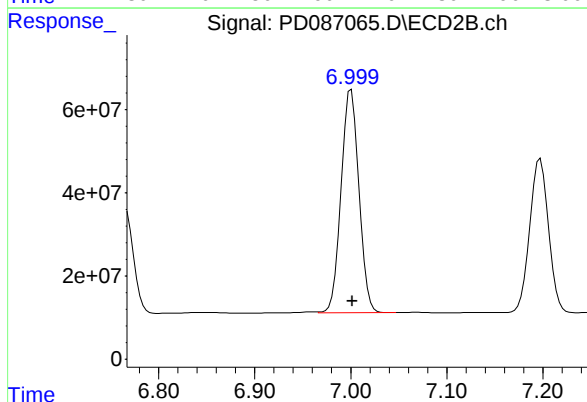
R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 324366311
Conc: 45.22 ng/ml



#21 Endrin ketone

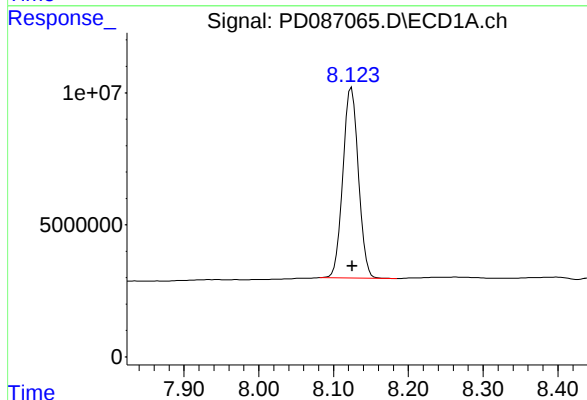
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 150662749
Conc: 46.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



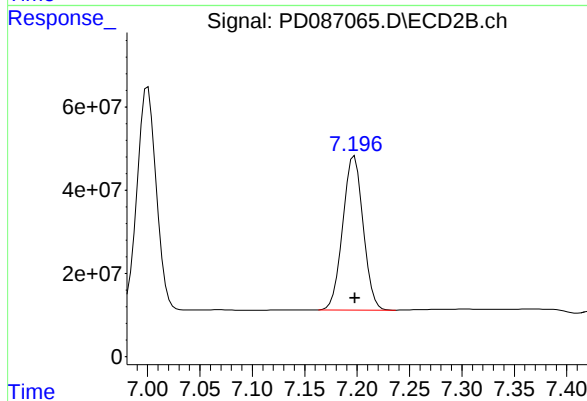
#21 Endrin ketone

R.T.: 7.000 min
Delta R.T.: -0.001 min
Response: 685401991
Conc: 45.48 ng/ml



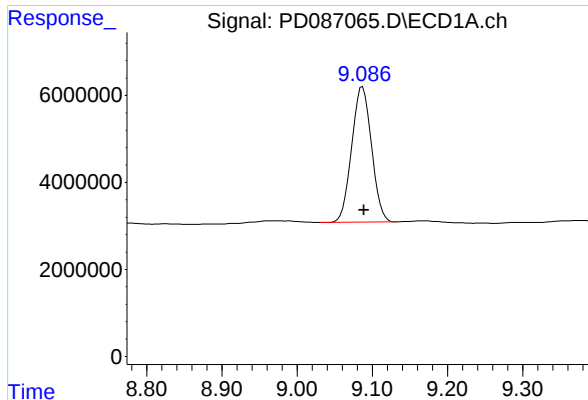
#22 Mirex

R.T.: 8.124 min
Delta R.T.: -0.001 min
Response: 104019116
Conc: 41.69 ng/ml



#22 Mirex

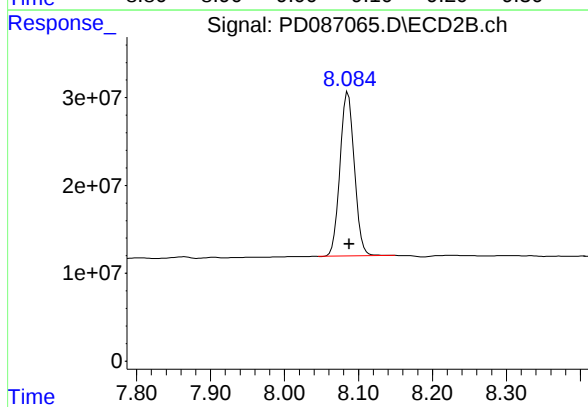
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 503259676
Conc: 40.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 57156593
Conc: 17.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB165454BS



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.002 min
Response: 251882778
Conc: 18.08 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/05/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2MS	SDG No.:	P5117
Lab Sample ID:	P5117-02MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087068.D	1	12/06/24 10:50	12/06/24 17:29	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	5.20		0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	5.50		0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.090	0.25	0.50	ug/L
72-20-8	Endrin	5.20		0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	4.90		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.4		30 - 135		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		44 - 124		97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
 Data File : PD087068.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 17:29
 Operator : AR\AJ
 Sample : P5117-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TAPIAL2-IDW-SOIL-120424-00-T2MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 06 22:25:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:47:26 2024
 Response via : Initial 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	2.885	38169348	222.8E6	19.087	19.467
28) SA Decachlor...	9.087	8.086	61677593	268.5E6	19.389	19.272
Target Compounds						
2) A alpha-BHC	4.007	3.398	221.6E6	915.8E6	55.058	51.973
3) MA gamma-BHC...	4.338	3.735	208.0E6	856.1E6	52.162	50.975
4) MA Heptachlor	4.939	4.090	214.3E6	837.5E6	54.578	51.521
5) MB Aldrin	5.281	4.377	206.0E6	820.9E6	50.531	49.103
6) B beta-BHC	4.522	4.030	82308574	375.8E6	52.186	52.470
7) B delta-BHC	4.771	4.268	217.7E6	848.8E6	53.406	49.922
8) B Heptachlo...	5.701	4.881	185.6E6	759.3E6	51.367	50.006
9) A Endosulfan I	6.084	5.256	174.7E6	720.0E6	52.055	50.718
10) B gamma-Chl...	5.955	5.135	186.7E6	804.5E6	52.852	51.715
11) B alpha-Chl...	6.036	5.200	187.1E6	779.0E6	52.355	50.972
12) B 4,4'-DDE	6.205	5.385	169.8E6	769.1E6	52.176	51.016
13) MA Dieldrin	6.357	5.522	188.0E6	791.0E6	52.043	50.794
14) MA Endrin	6.584	5.798	156.3E6	716.4E6	51.666	51.212
15) B Endosulfa...	6.795	6.090	156.8E6	690.7E6	52.458	50.178
16) A 4,4'-DDD	6.714	5.940	133.8E6	644.7E6	51.455	51.291
17) MA 4,4'-DDT	7.031	6.194	142.2E6	660.9E6	50.330	49.563
18) B Endrin al...	6.924	6.268	115.6E6	517.0E6	47.276	46.601
19) B Endosulfa...	7.159	6.492	148.4E6	670.1E6	50.987	49.527
20) A Methoxychlor	7.503	6.766	77065473	349.6E6	48.187	48.735
21) B Endrin ke...	7.639	7.001	162.3E6	722.1E6	50.019	47.912
22) Mirex	8.124	7.197	113.2E6	533.2E6	45.379	43.238

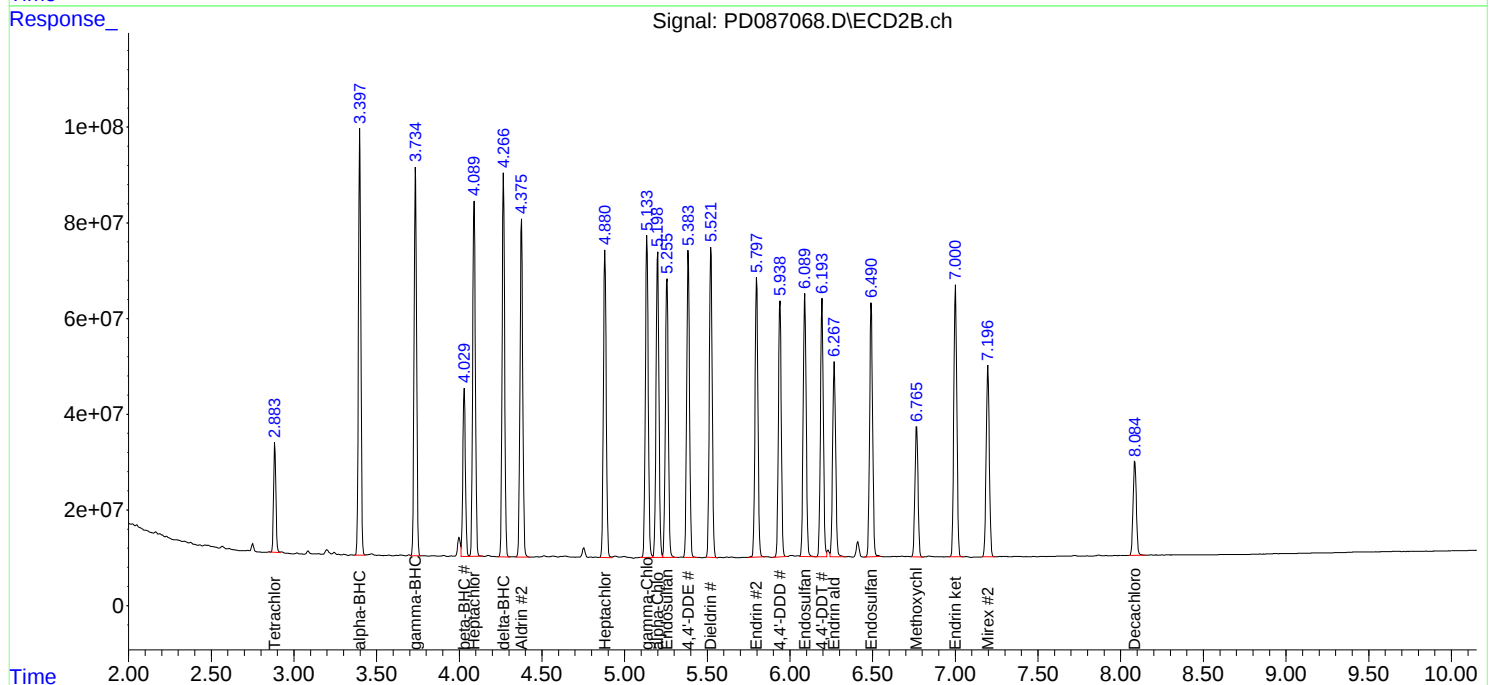
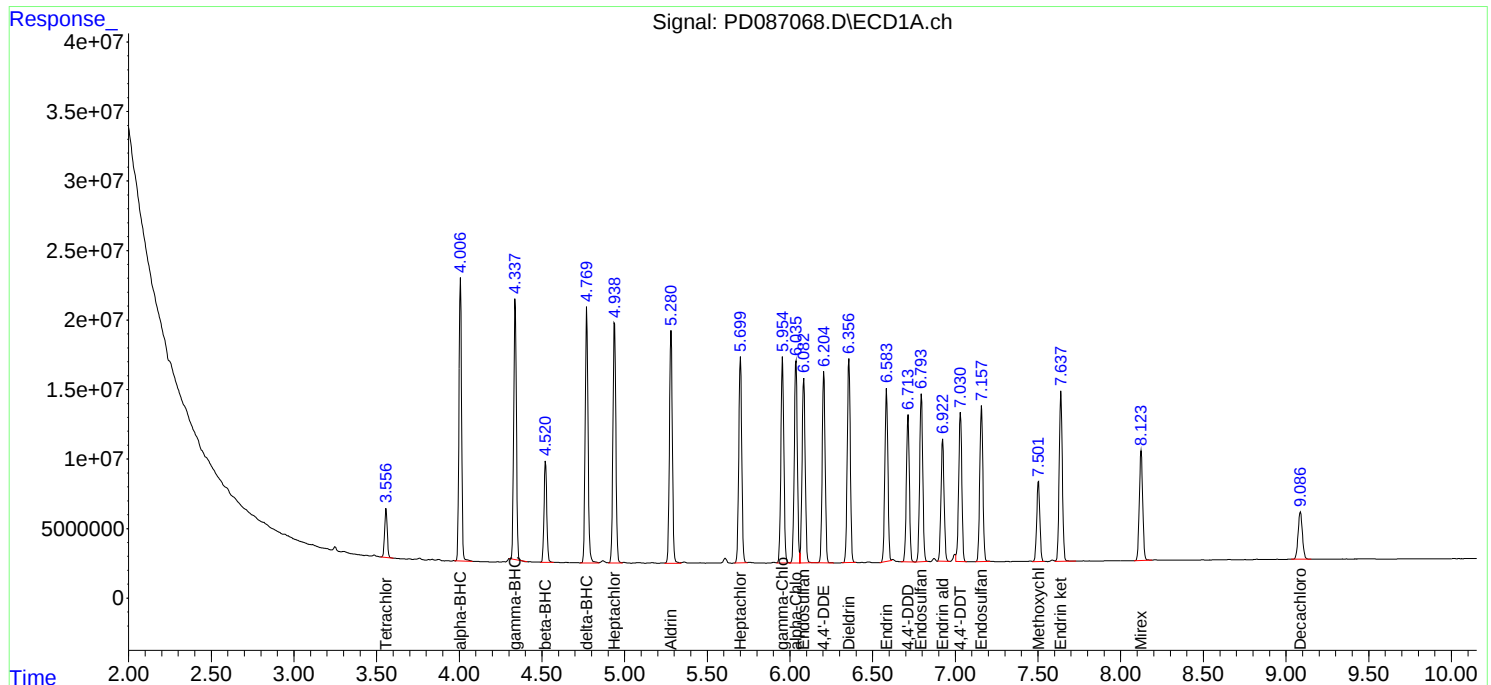
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

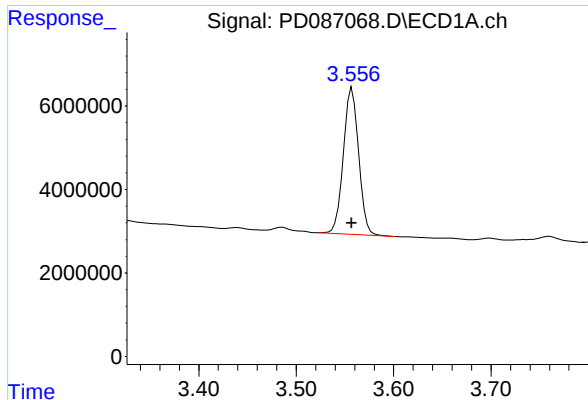
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087068.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:29
Operator : AR\AJ
Sample : P5117-02MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:25:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

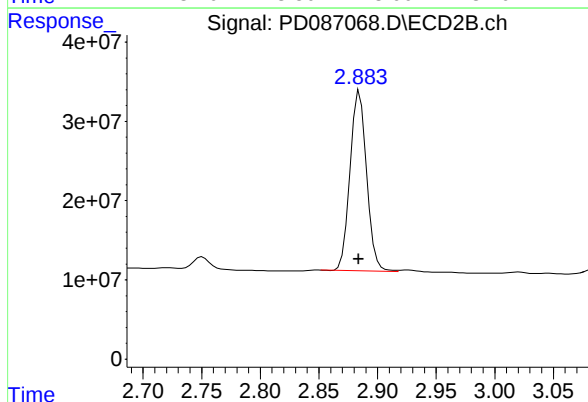




#1 Tetrachloro-m-xylene

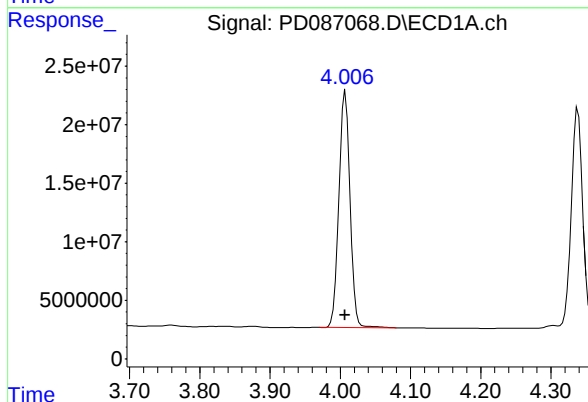
R.T.: 3.558 min
Delta R.T.: 0.000 min
Response: 38169348
Conc: 19.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



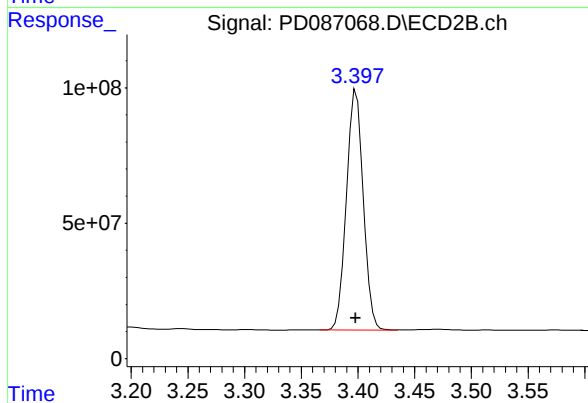
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.000 min
Response: 222823404
Conc: 19.47 ng/ml



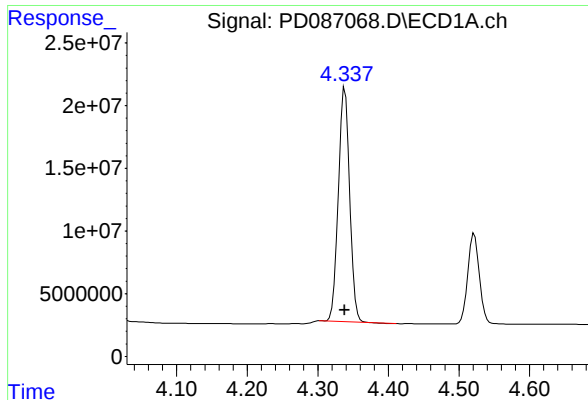
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 221556668
Conc: 55.06 ng/ml



#2 alpha-BHC

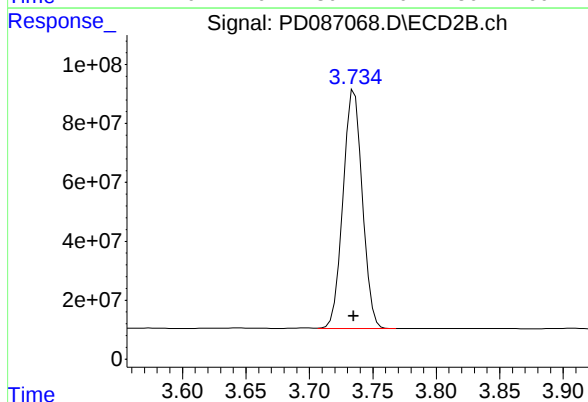
R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 915815094
Conc: 51.97 ng/ml



#3 gamma-BHC (Lindane)

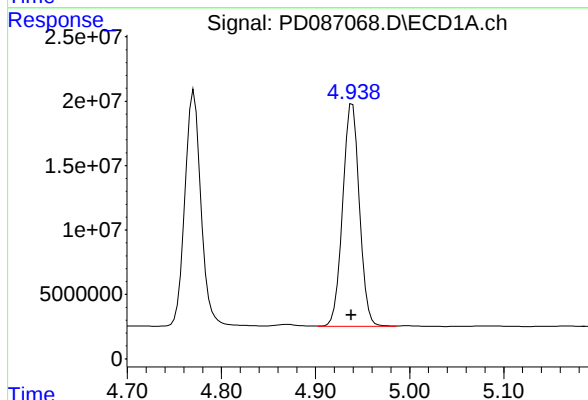
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 208044363
Conc: 52.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



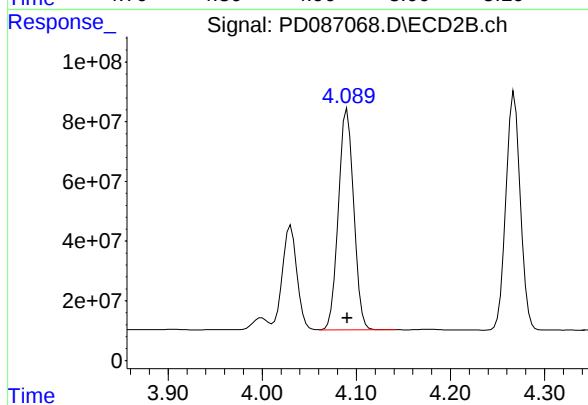
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 856116535
Conc: 50.97 ng/ml



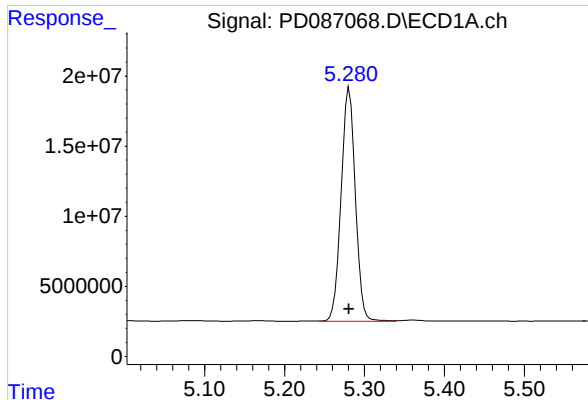
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 214284873
Conc: 54.58 ng/ml



#4 Heptachlor

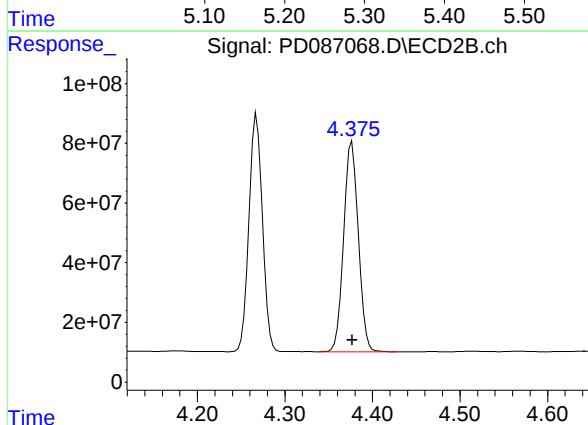
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 837511950
Conc: 51.52 ng/ml



#5 Aldrin

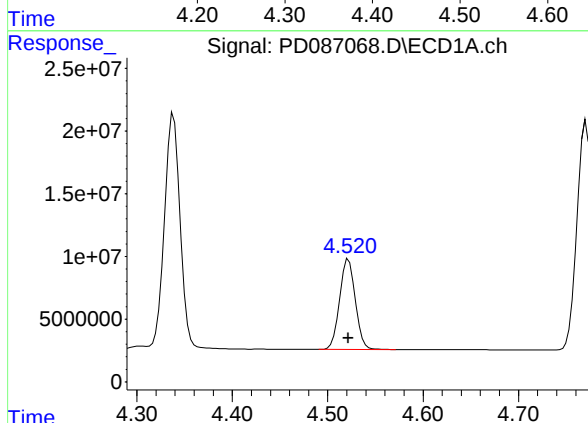
R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 205958138
Conc: 50.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



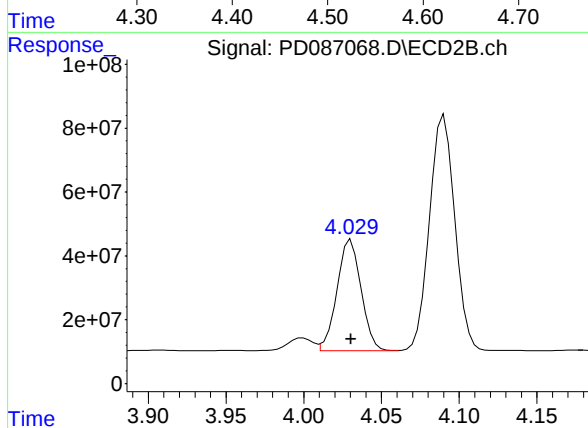
#5 Aldrin

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 820879129
Conc: 49.10 ng/ml



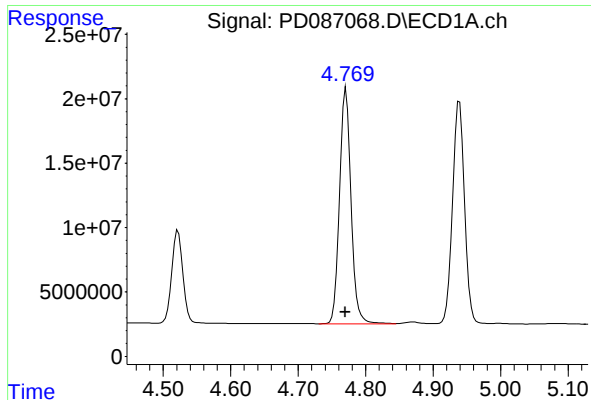
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 82308574
Conc: 52.19 ng/ml



#6 beta-BHC

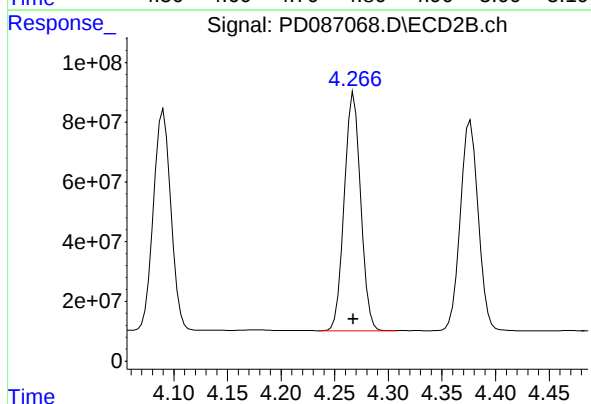
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 375785253
Conc: 52.47 ng/ml



#7 delta-BHC

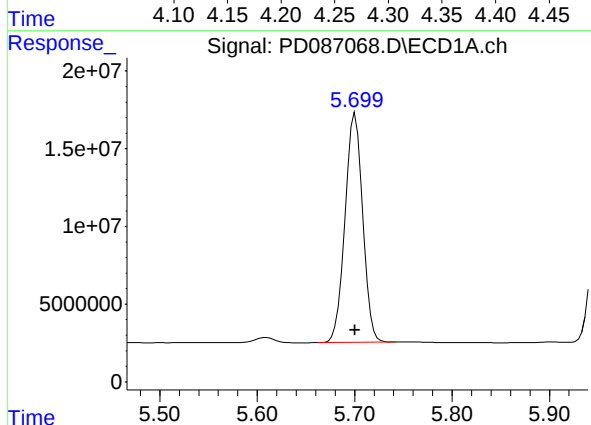
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 217689048
Conc: 53.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



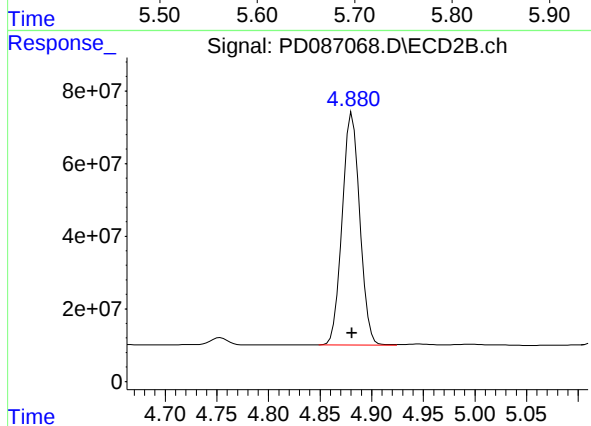
#7 delta-BHC

R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 848792572
Conc: 49.92 ng/ml



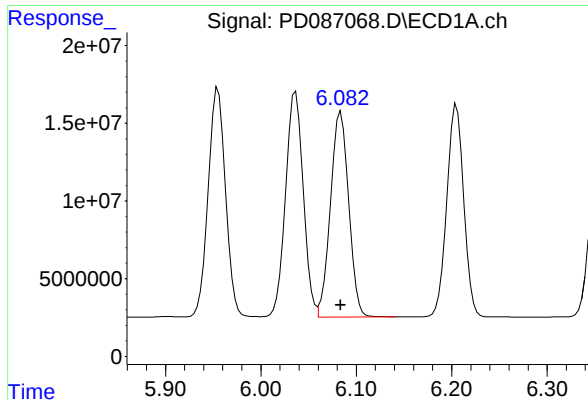
#8 Heptachlor epoxide

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 185619747
Conc: 51.37 ng/ml



#8 Heptachlor epoxide

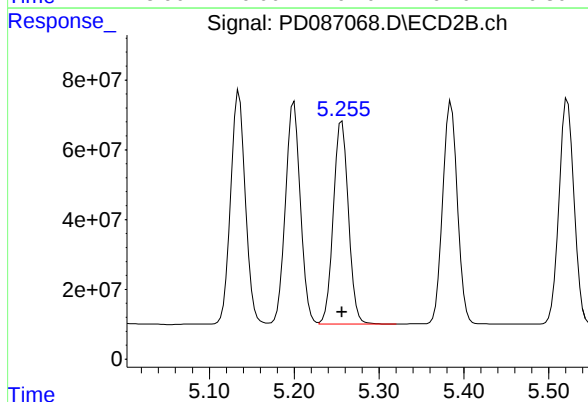
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 759276205
Conc: 50.01 ng/ml



#9 Endosulfan I

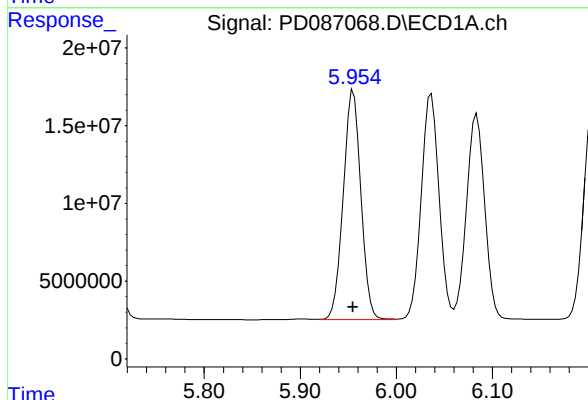
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 174686287
Conc: 52.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



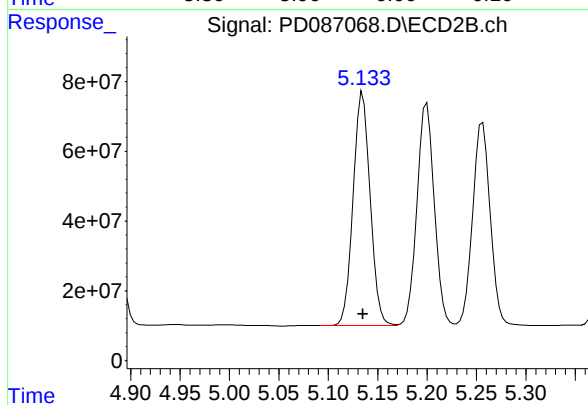
#9 Endosulfan I

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 720020572
Conc: 50.72 ng/ml



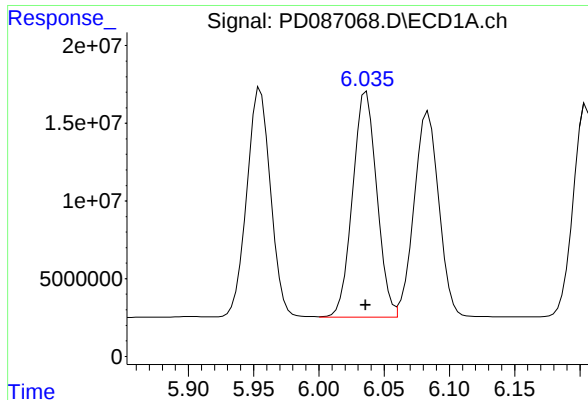
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 186725341
Conc: 52.85 ng/ml



#10 gamma-Chlordane

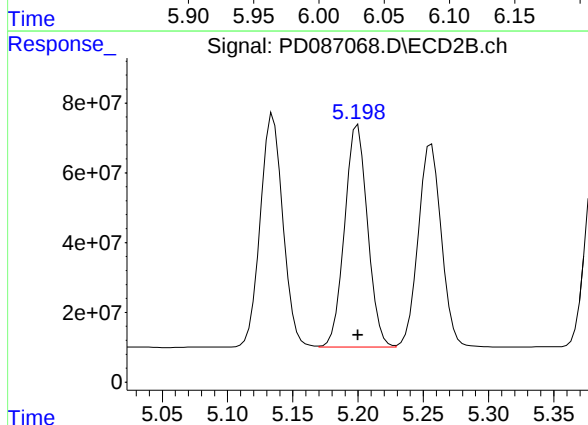
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 804450669
Conc: 51.71 ng/ml



#11 alpha-Chlordane

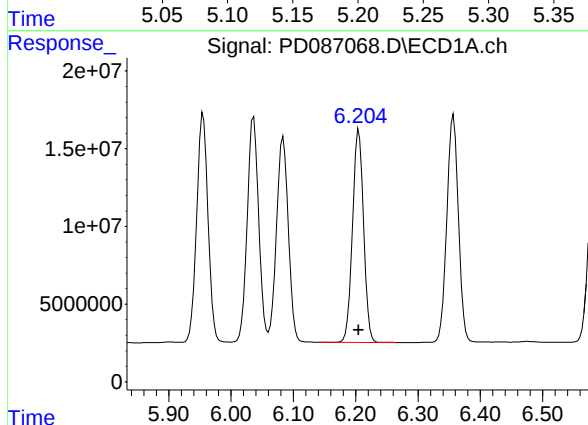
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 187054456
Conc: 52.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



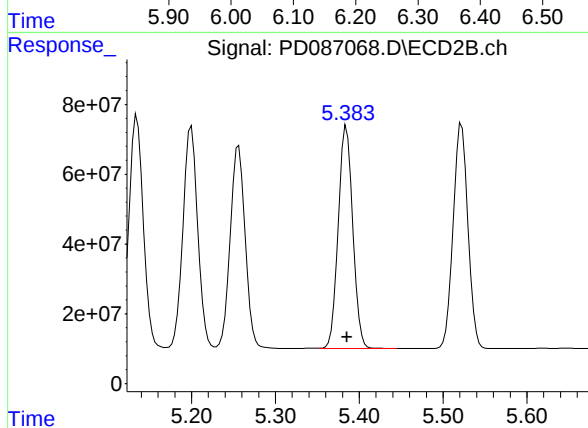
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 778958099
Conc: 50.97 ng/ml



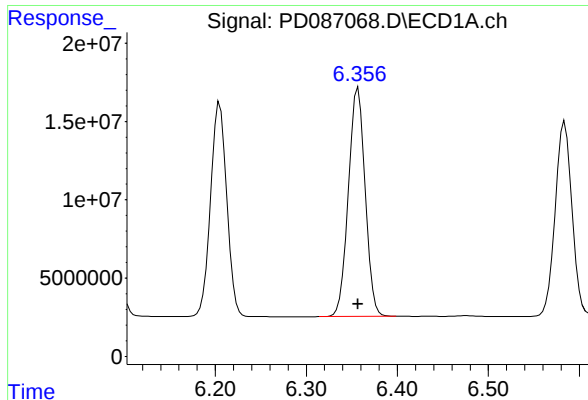
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 169762290
Conc: 52.18 ng/ml



#12 4,4'-DDE

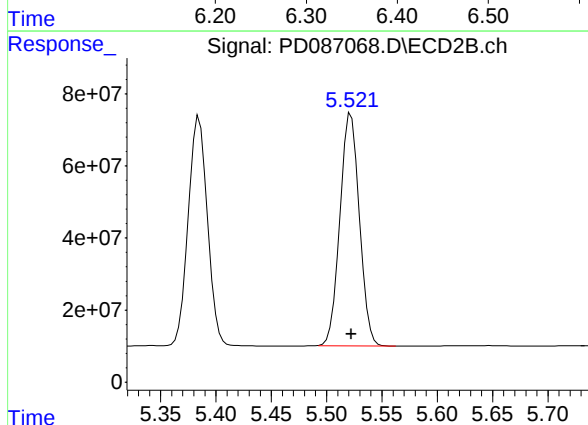
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 769050338
Conc: 51.02 ng/ml



#13 Dieldrin

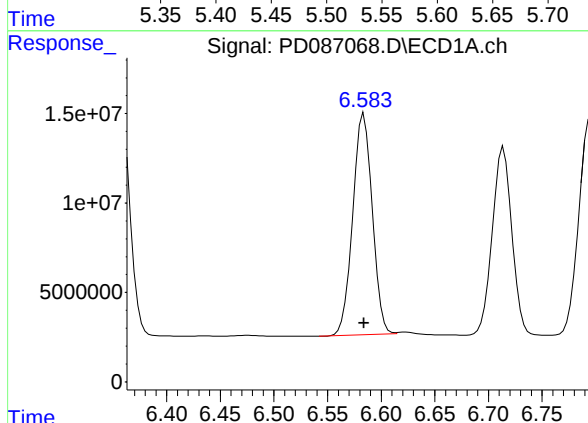
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 188011504
Conc: 52.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



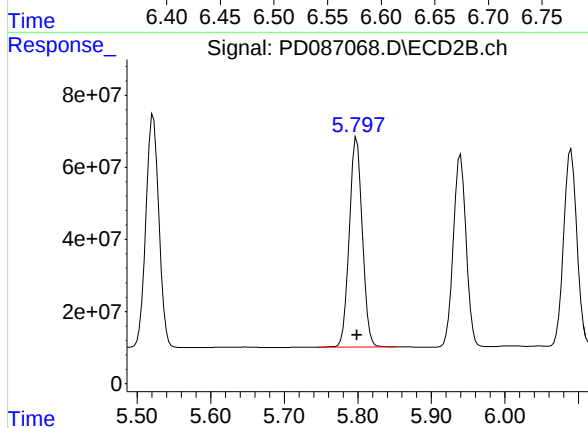
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 790961230
Conc: 50.79 ng/ml



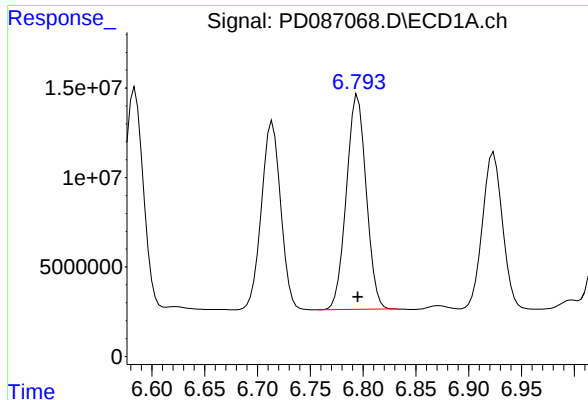
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 156338642
Conc: 51.67 ng/ml



#14 Endrin

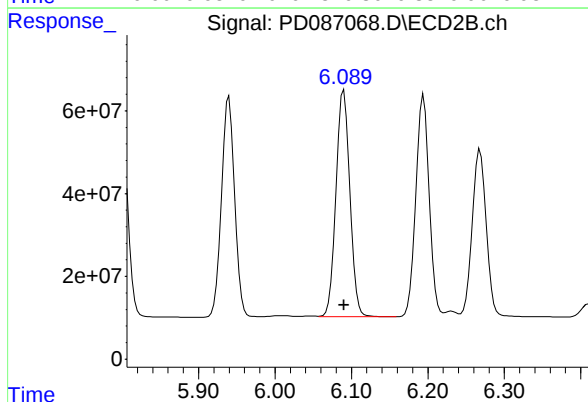
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 716380663
Conc: 51.21 ng/ml



#15 Endosulfan II

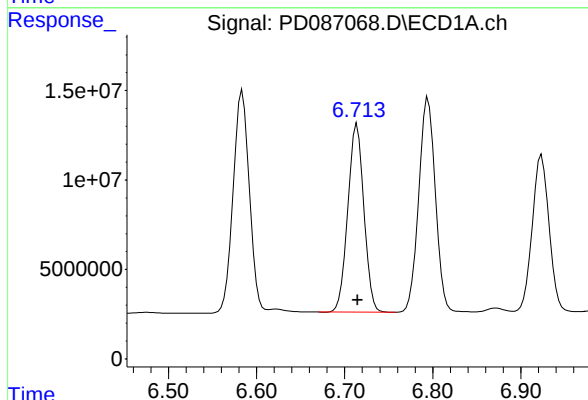
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 156797966
Conc: 52.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



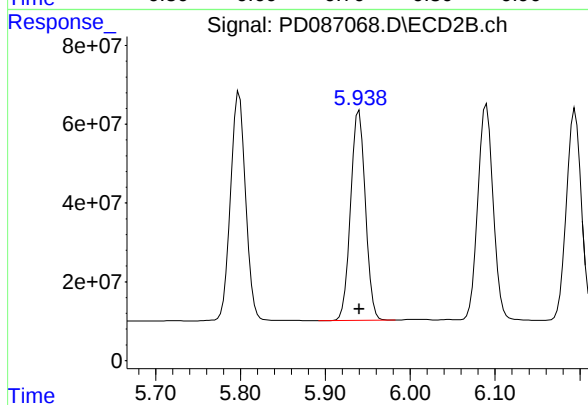
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 690657939
Conc: 50.18 ng/ml



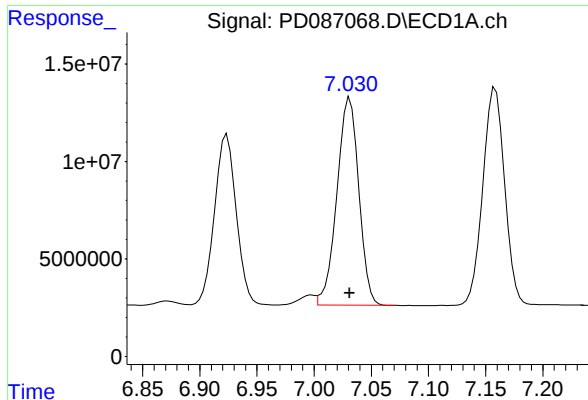
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 133762327
Conc: 51.45 ng/ml



#16 4,4'-DDD

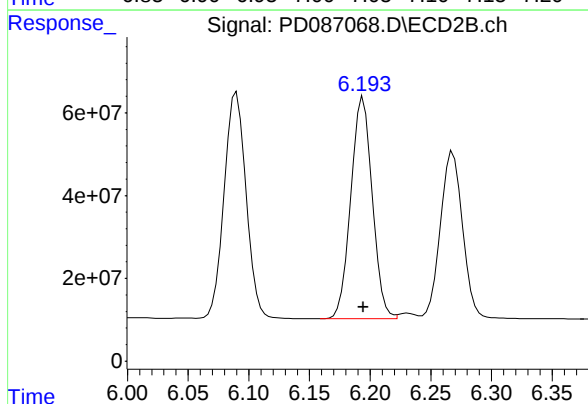
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 644710248
Conc: 51.29 ng/ml



#17 4,4'-DDT

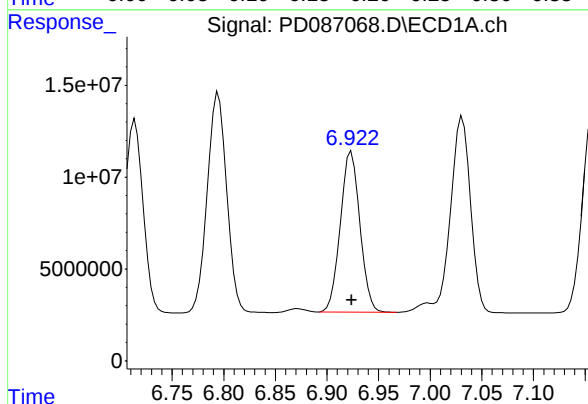
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 142177083
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



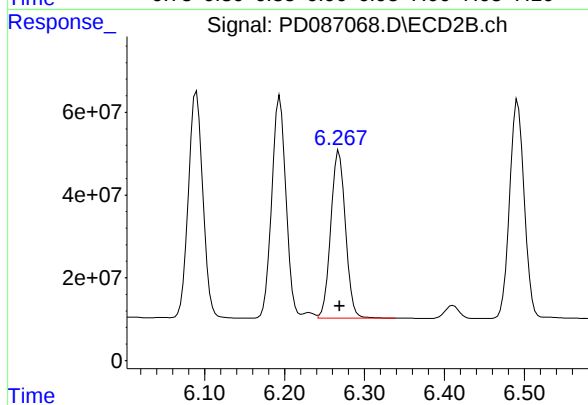
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 660864306
Conc: 49.56 ng/ml



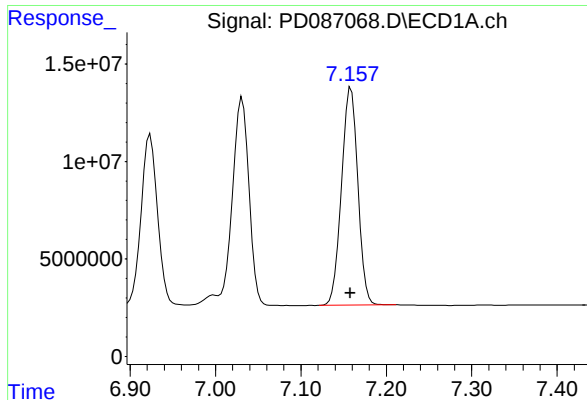
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 115573944
Conc: 47.28 ng/ml



#18 Endrin aldehyde

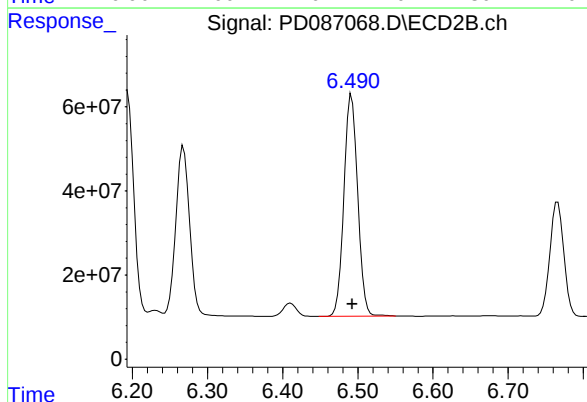
R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 516984303
Conc: 46.60 ng/ml



#19 Endosulfan Sulfate

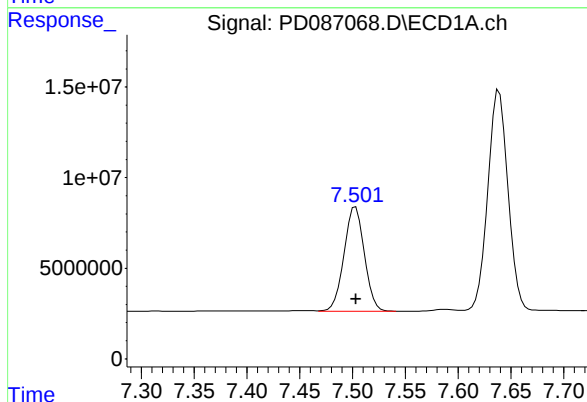
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 148377800
Conc: 50.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



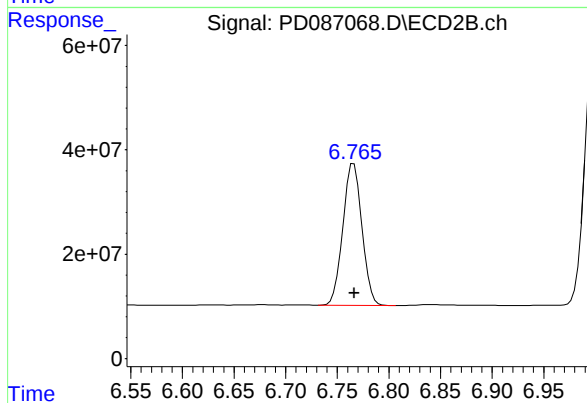
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 670091468
Conc: 49.53 ng/ml



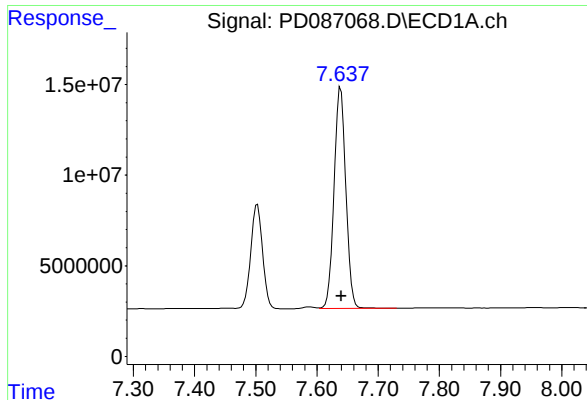
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 77065473
Conc: 48.19 ng/ml



#20 Methoxychlor

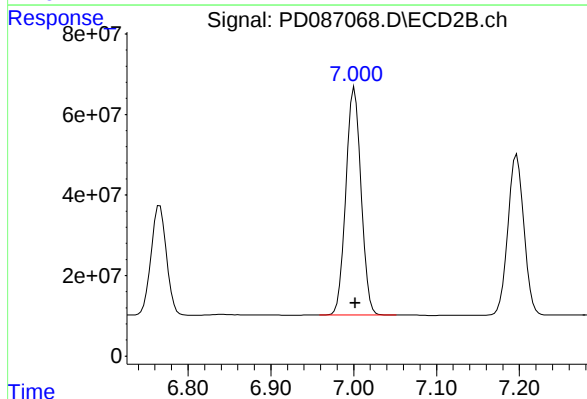
R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 349586778
Conc: 48.73 ng/ml



#21 Endrin ketone

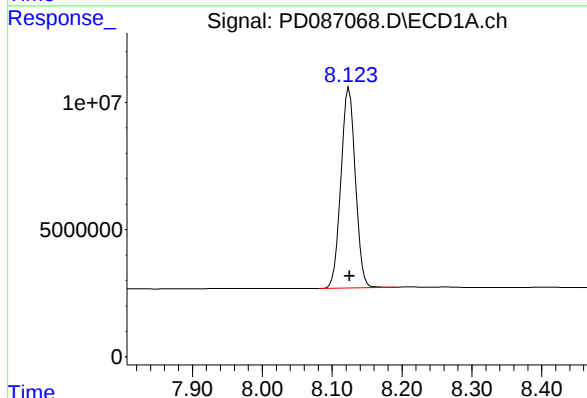
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 162323963
Conc: 50.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



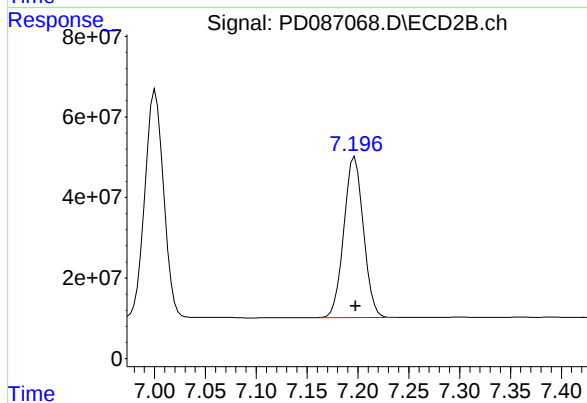
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 722120621
Conc: 47.91 ng/ml



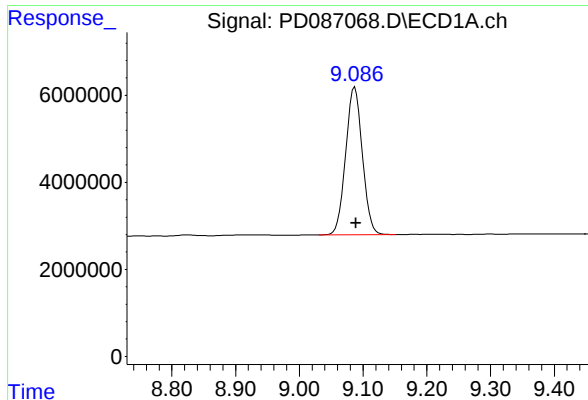
#22 Mirex

R.T.: 8.124 min
Delta R.T.: -0.001 min
Response: 113222401
Conc: 45.38 ng/ml



#22 Mirex

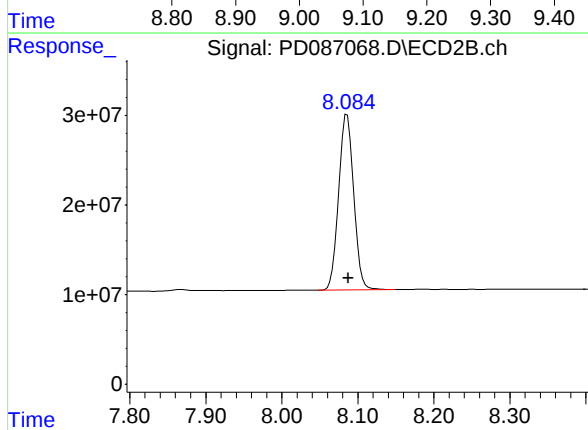
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 533153760
Conc: 43.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 61677593
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MS



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.002 min
Response: 268513310
Conc: 19.27 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/05/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2MSD	SDG No.:	P5117
Lab Sample ID:	P5117-02MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087069.D	1	12/06/24 10:50	12/06/24 17:43	PB165454

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	5.20		0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	5.40		0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.090	0.25	0.50	ug/L
72-20-8	Endrin	5.20		0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	4.90		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.5		30 - 135		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		44 - 124		97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:43
Operator : AR\AJ
Sample : P5117-02MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:25:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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	2.885	38251659	221.8E6	19.128	19.373
28) SA Decachlor...	9.087	8.086	61935260	269.5E6	19.470	19.340
Target Compounds						
2) A alpha-BHC	4.007	3.398	221.7E6	913.7E6	55.100	51.851
3) MA gamma-BHC...	4.338	3.735	208.1E6	852.8E6	52.183	50.775
4) MA Heptachlor	4.939	4.090	213.7E6	835.6E6	54.424	51.402
5) MB Aldrin	5.281	4.377	205.9E6	818.3E6	50.520	48.951
6) B beta-BHC	4.522	4.031	82240936	372.8E6	52.143	52.060
7) B delta-BHC	4.770	4.268	217.9E6	846.5E6	53.451	49.785
8) B Heptachlo...	5.700	4.881	185.9E6	754.3E6	51.450	49.675
9) A Endosulfan I	6.083	5.256	174.9E6	716.4E6	52.131	50.462
10) B gamma-Chl...	5.955	5.135	186.8E6	801.0E6	52.862	51.491
11) B alpha-Chl...	6.036	5.200	187.3E6	775.1E6	52.421	50.719
12) B 4,4'-DDE	6.205	5.385	170.0E6	765.6E6	52.246	50.788
13) MA Dieldrin	6.357	5.522	188.7E6	788.4E6	52.228	50.629
14) MA Endrin	6.583	5.798	156.8E6	714.5E6	51.833	51.076
15) B Endosulfa...	6.795	6.089	157.1E6	697.0E6	52.556	50.641
16) A 4,4'-DDD	6.714	5.939	134.3E6	640.2E6	51.677	50.936
17) MA 4,4'-DDT	7.030	6.194	142.5E6	666.0E6	50.444	49.950
18) B Endrin al...	6.923	6.268	116.1E6	518.4E6	47.473	46.724
19) B Endosulfa...	7.157	6.492	148.4E6	666.8E6	51.009	49.285
20) A Methoxychlor	7.502	6.765	77519402	351.6E6	48.471	49.016
21) B Endrin ke...	7.639	7.000	163.5E6	720.3E6	50.370	47.793
22) Mirex	8.124	7.197	113.0E6	538.7E6	45.288	43.686

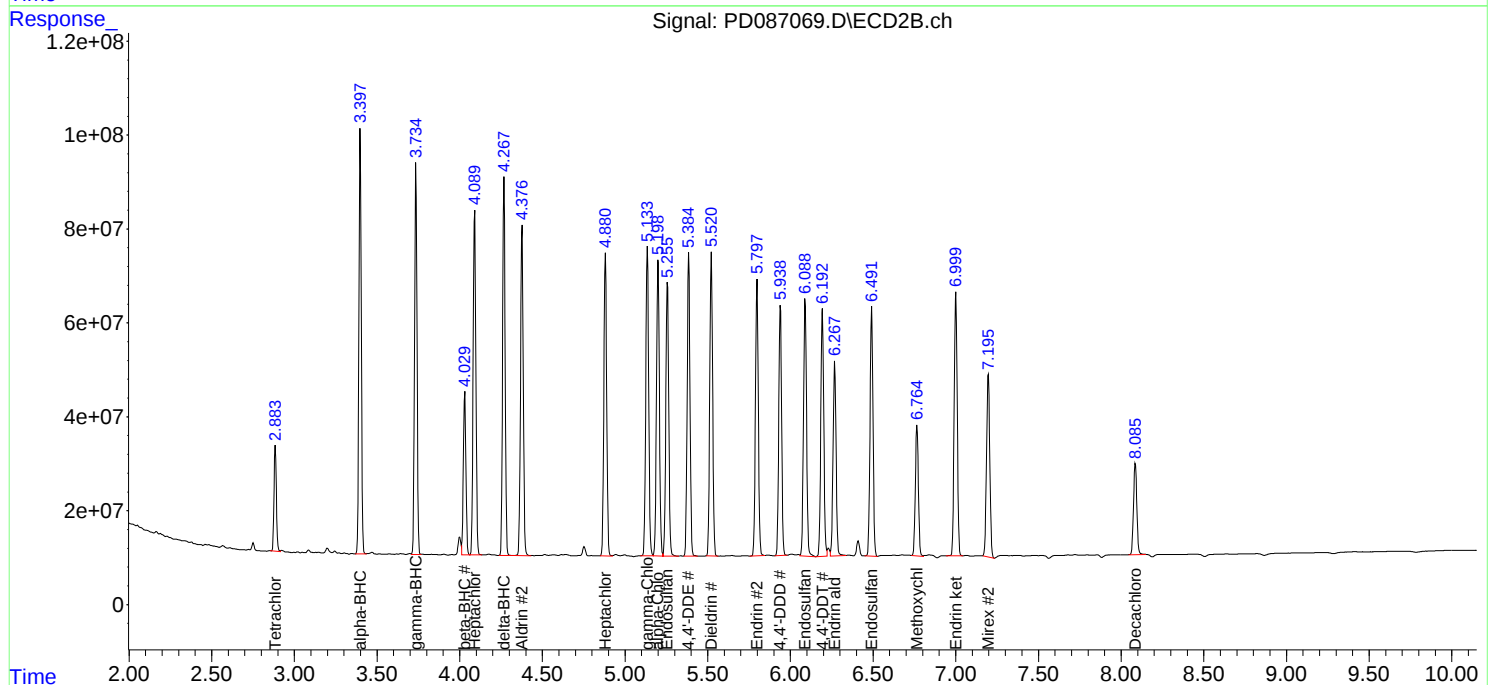
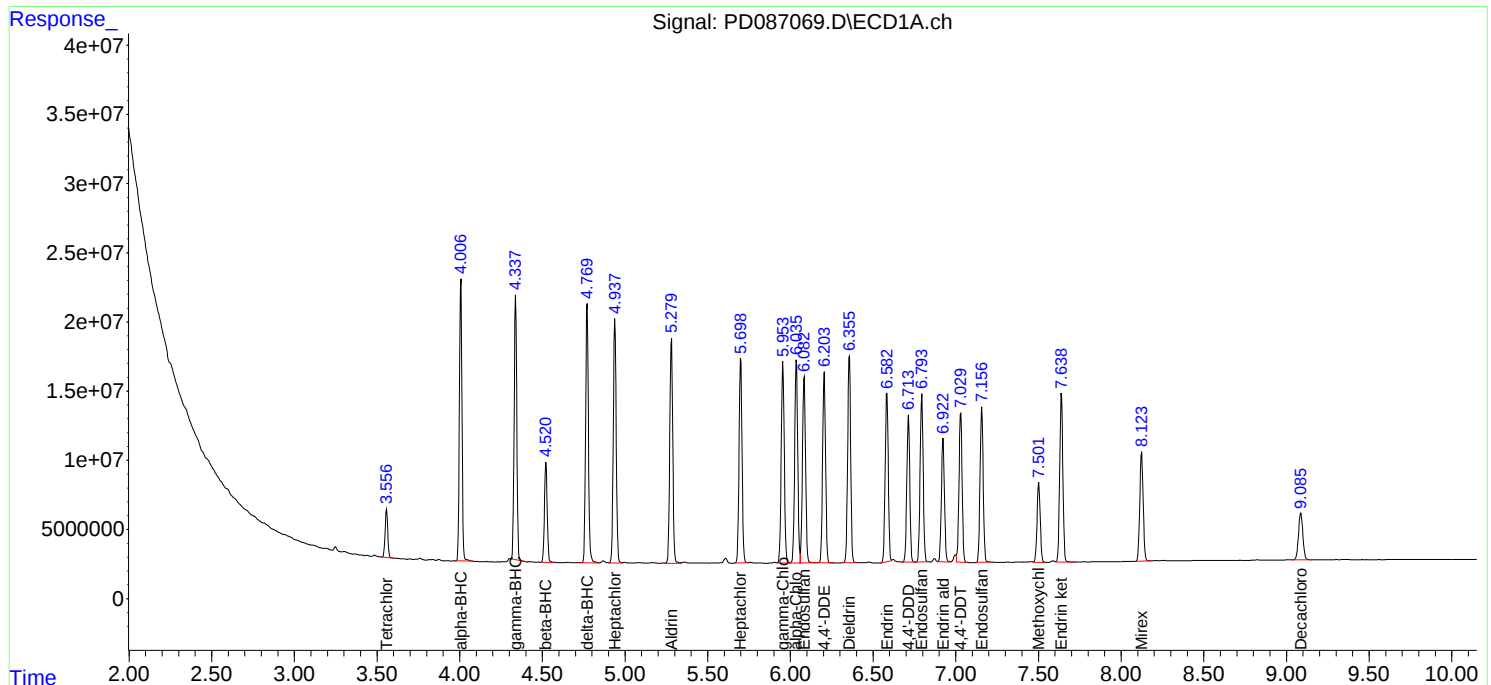
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

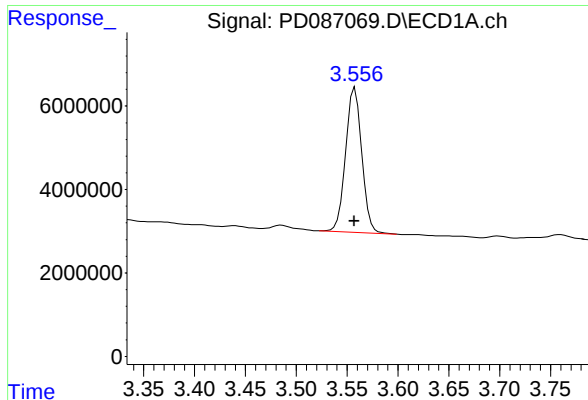
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:43
Operator : AR\AJ
Sample : P5117-02MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:25:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

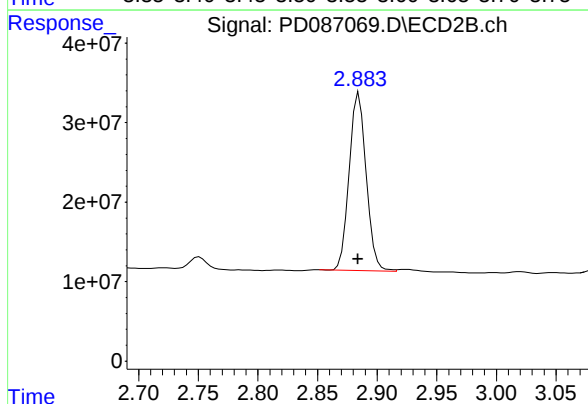
R.T.: 3.558 min
Delta R.T.: 0.000 min
Response: 38251659
Conc: 19.13 ng/ml

Instrument :

ECD_D

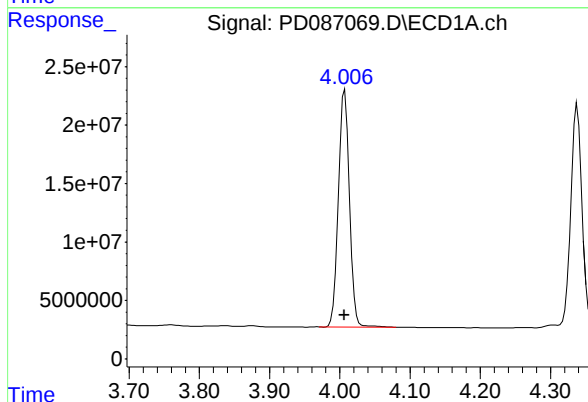
ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2MSD



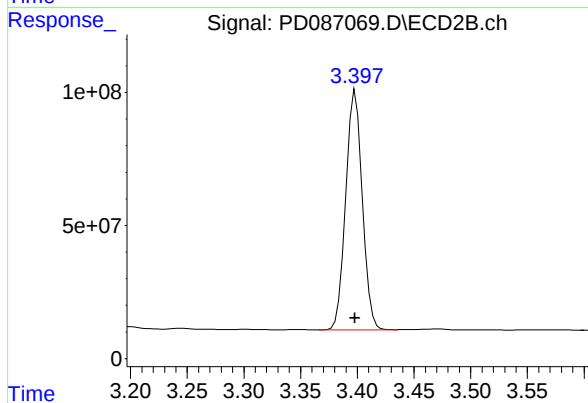
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.000 min
Response: 221753011
Conc: 19.37 ng/ml



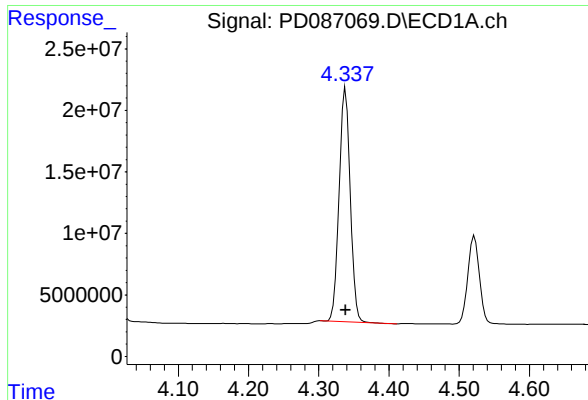
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 221724583
Conc: 55.10 ng/ml



#2 alpha-BHC

R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 913657850
Conc: 51.85 ng/ml



#3 gamma-BHC (Lindane)

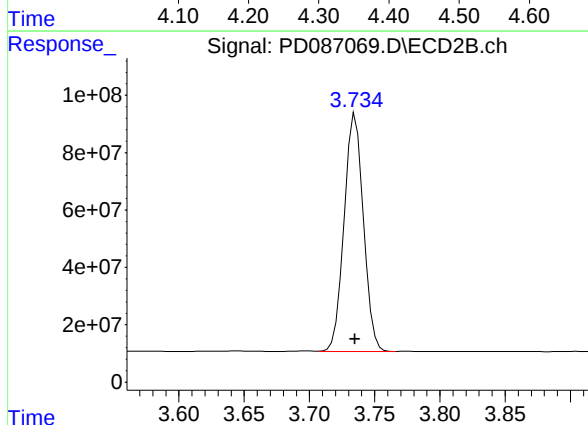
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 208130257
Conc: 52.18 ng/ml

Instrument :

ECD_D

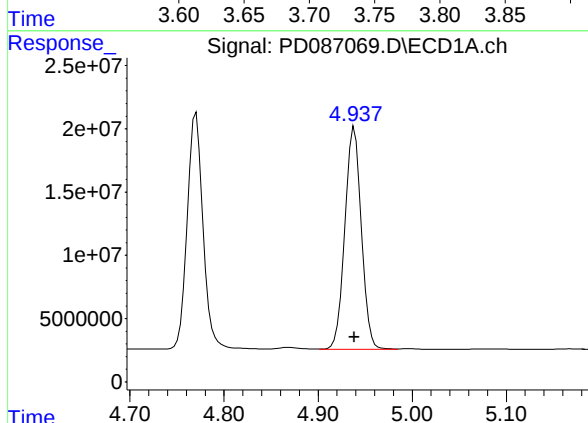
ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2MSD



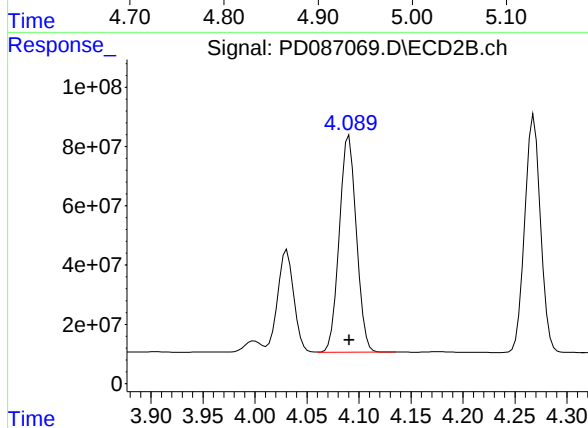
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 852762937
Conc: 50.78 ng/ml



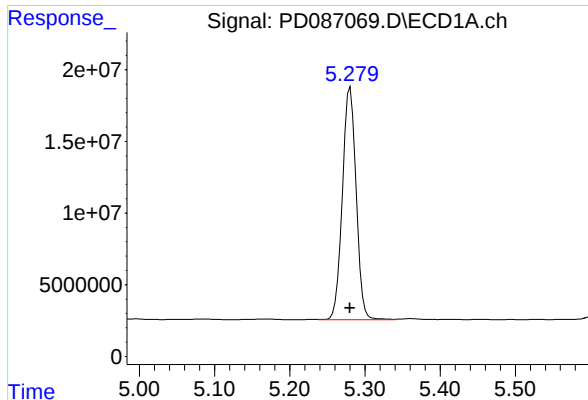
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 213678196
Conc: 54.42 ng/ml



#4 Heptachlor

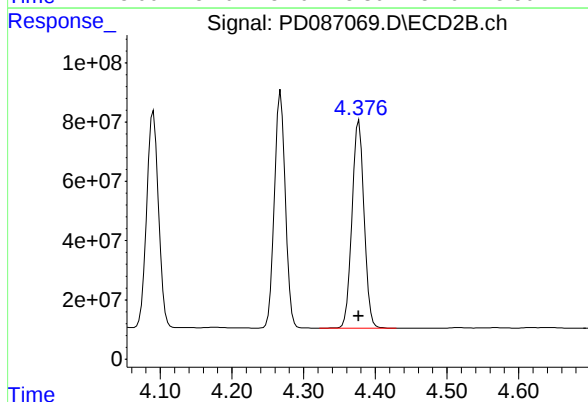
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 835569948
Conc: 51.40 ng/ml



#5 Aldrin

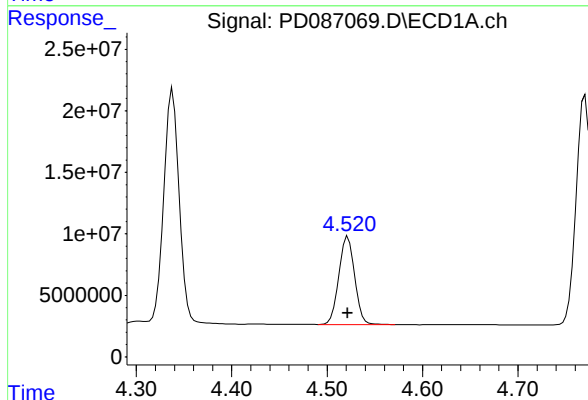
R.T.: 5.281 min
Delta R.T.: 0.000 min
Response: 205912220
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



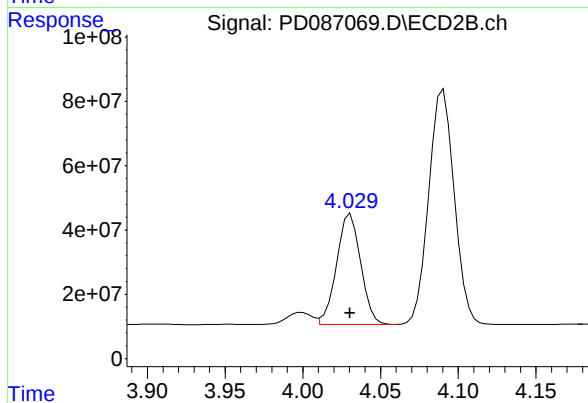
#5 Aldrin

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 818334415
Conc: 48.95 ng/ml



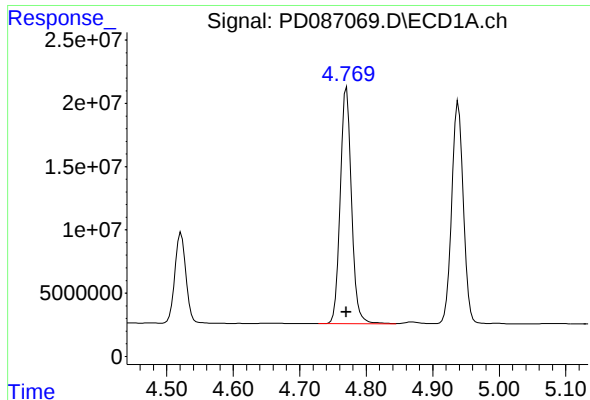
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 82240936
Conc: 52.14 ng/ml



#6 beta-BHC

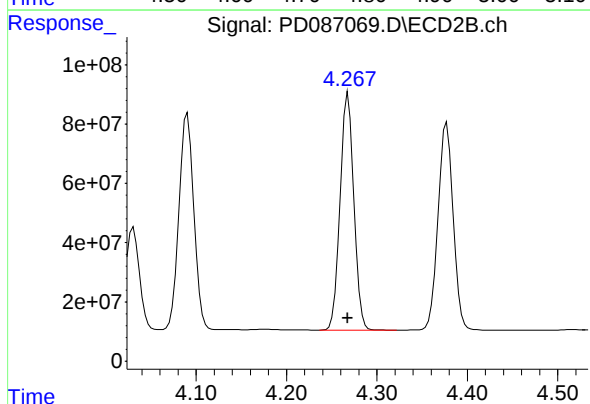
R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 372846733
Conc: 52.06 ng/ml



#7 delta-BHC

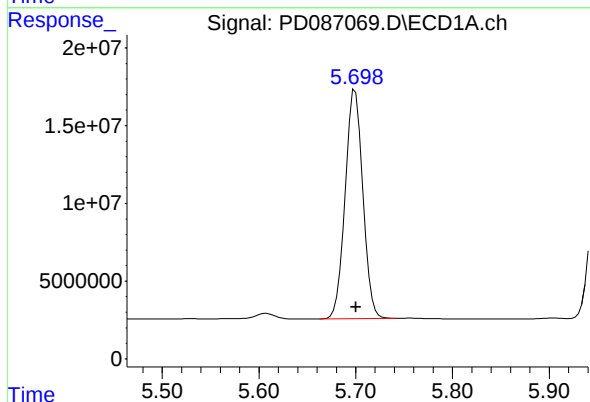
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 217871901
Conc: 53.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



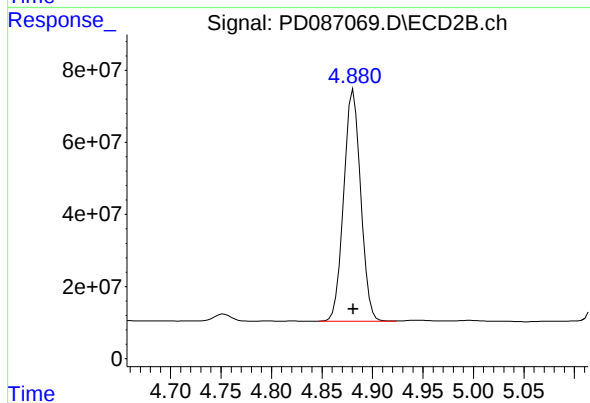
#7 delta-BHC

R.T.: 4.268 min
Delta R.T.: 0.000 min
Response: 846462475
Conc: 49.79 ng/ml



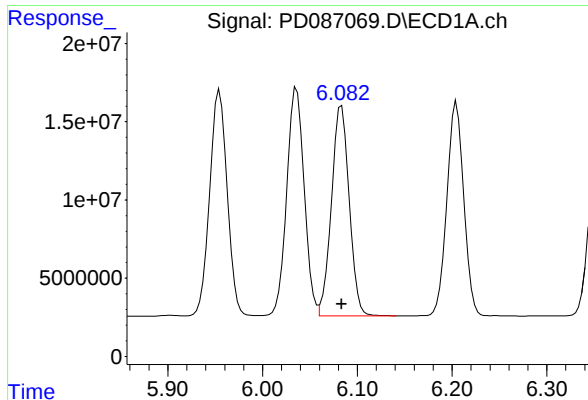
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 185918537
Conc: 51.45 ng/ml



#8 Heptachlor epoxide

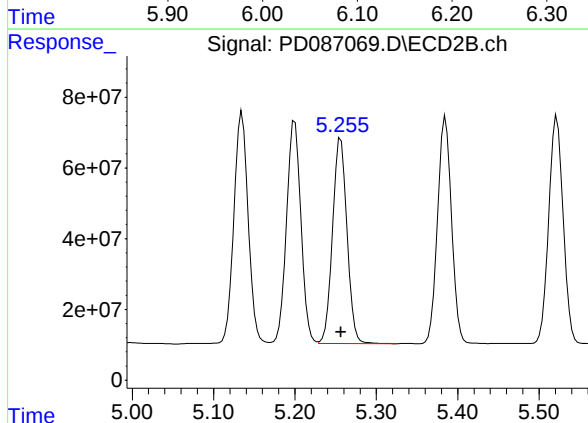
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 754264231
Conc: 49.68 ng/ml



#9 Endosulfan I

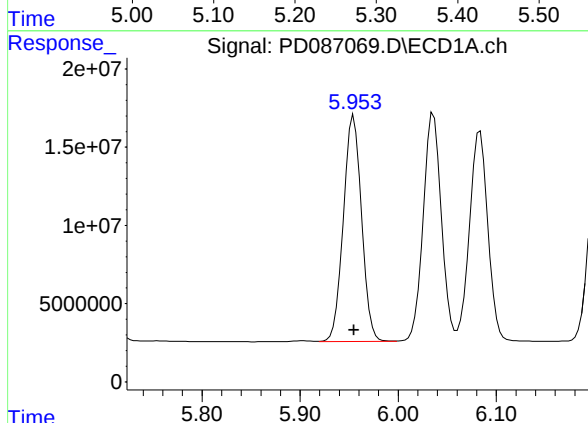
R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 174941527
Conc: 52.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



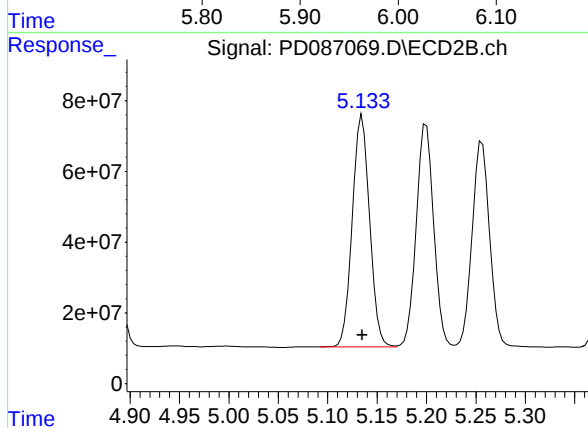
#9 Endosulfan I

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 716391390
Conc: 50.46 ng/ml



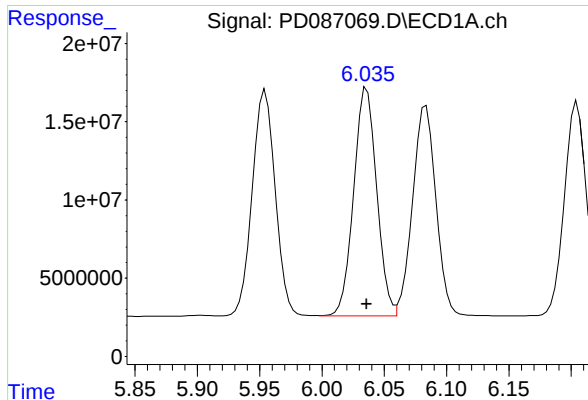
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 186759529
Conc: 52.86 ng/ml



#10 gamma-Chlordane

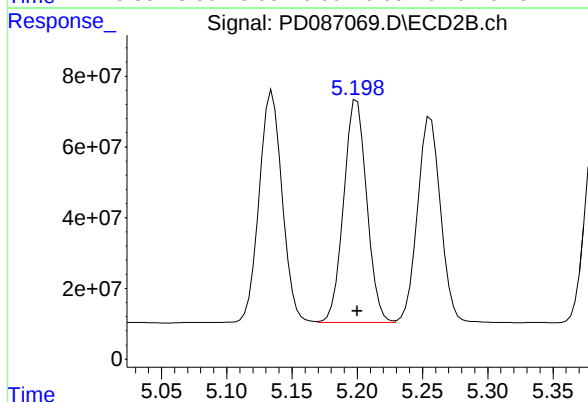
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 800968210
Conc: 51.49 ng/ml



#11 alpha-Chlordane

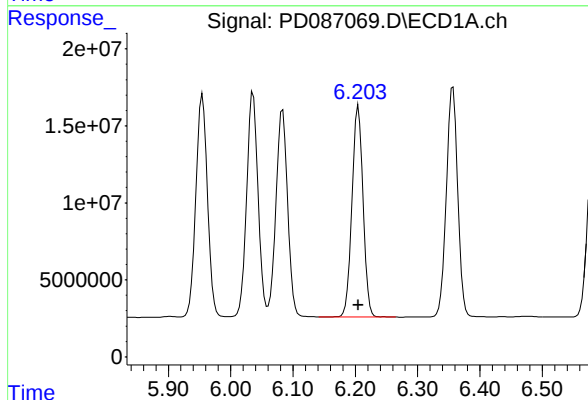
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 187289629
Conc: 52.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



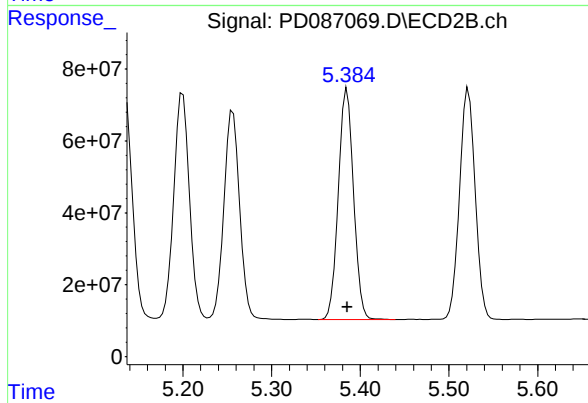
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 775096735
Conc: 50.72 ng/ml



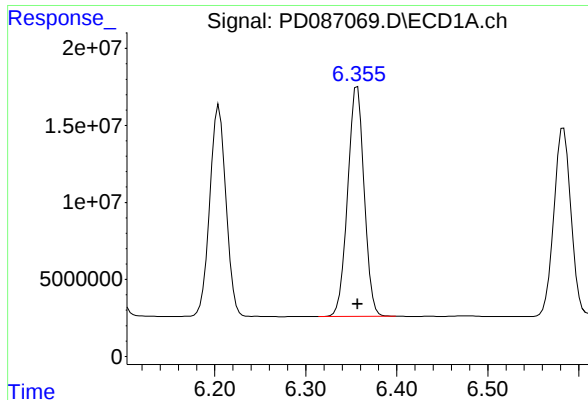
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 169989909
Conc: 52.25 ng/ml



#12 4,4'-DDE

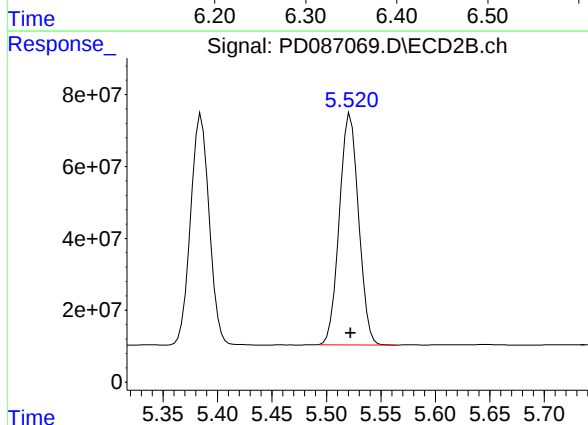
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 765611016
Conc: 50.79 ng/ml



#13 Dieldrin

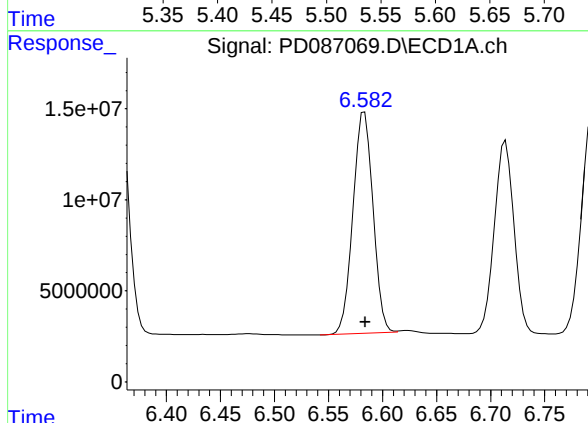
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 188680743
Conc: 52.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



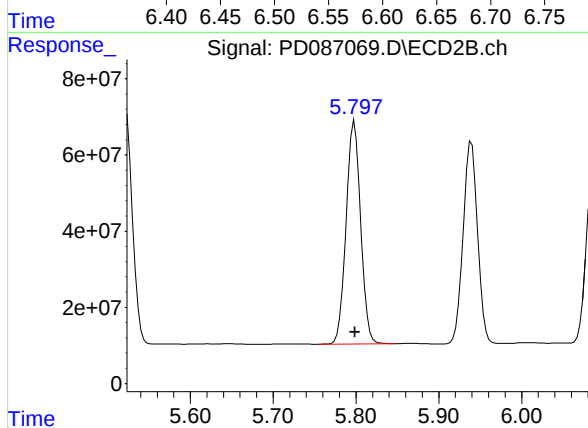
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 788382530
Conc: 50.63 ng/ml



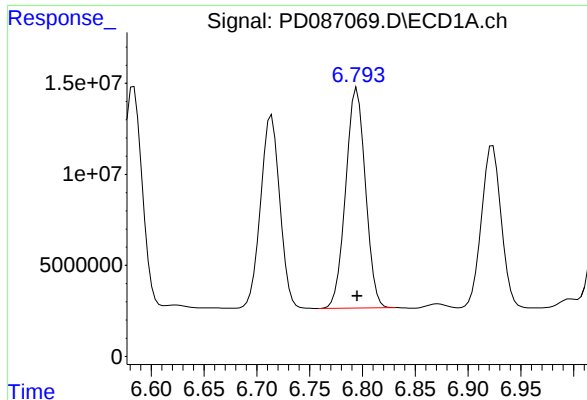
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.000 min
Response: 156844884
Conc: 51.83 ng/ml



#14 Endrin

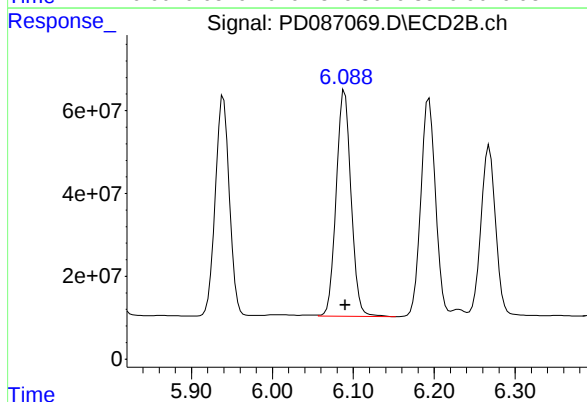
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 714478853
Conc: 51.08 ng/ml



#15 Endosulfan II

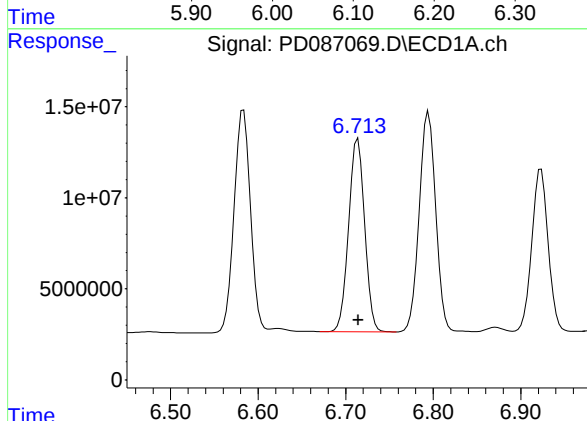
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 157091126
Conc: 52.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



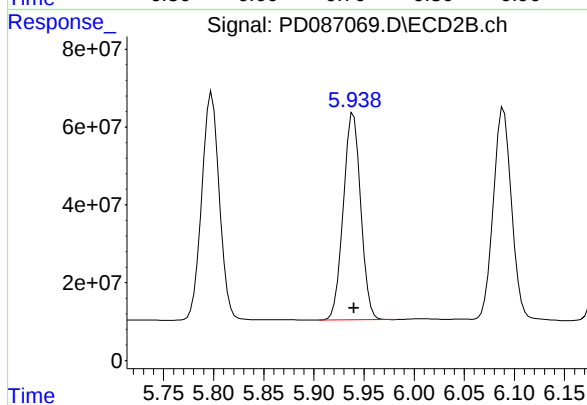
#15 Endosulfan II

R.T.: 6.089 min
Delta R.T.: -0.001 min
Response: 697019761
Conc: 50.64 ng/ml



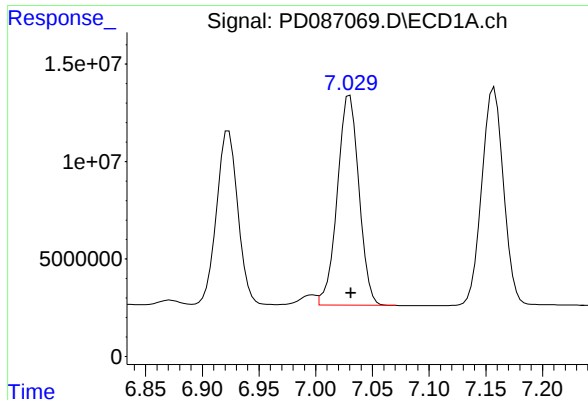
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 134340582
Conc: 51.68 ng/ml



#16 4,4'-DDD

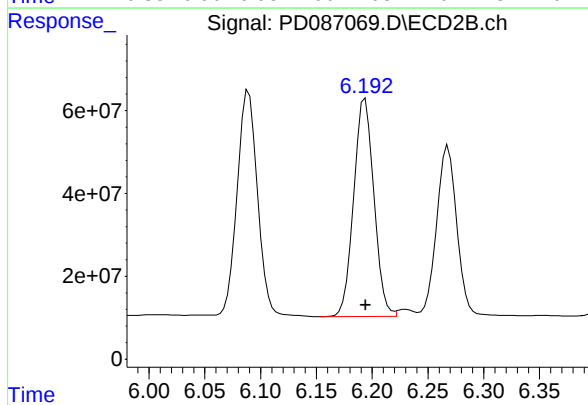
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 640240788
Conc: 50.94 ng/ml



#17 4,4'-DDT

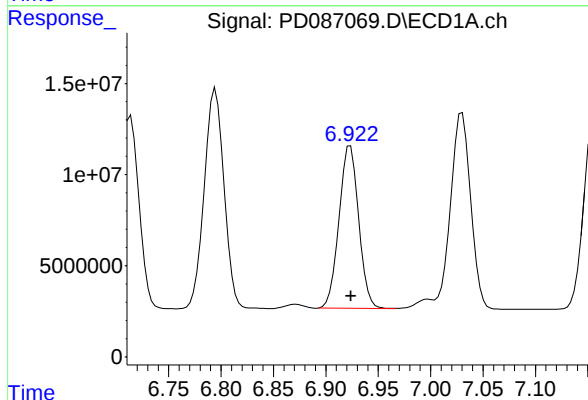
R.T.: 7.030 min
Delta R.T.: -0.001 min
Response: 14250032
Conc: 50.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



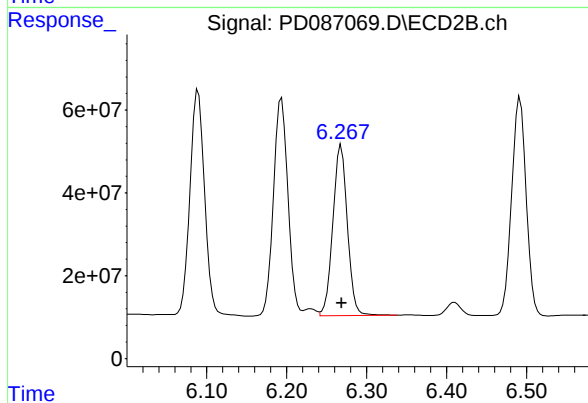
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 666022700
Conc: 49.95 ng/ml



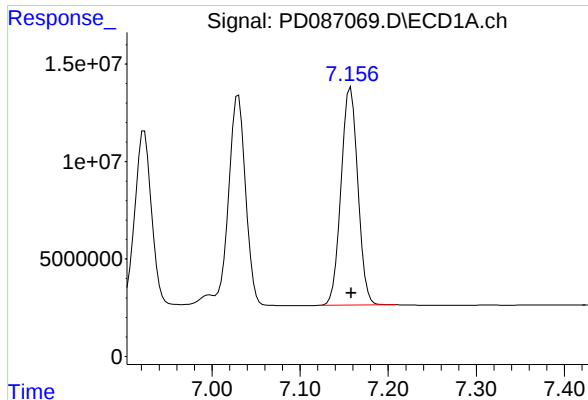
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 116056644
Conc: 47.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 518352198
Conc: 46.72 ng/ml



#19 Endosulfan Sulfate

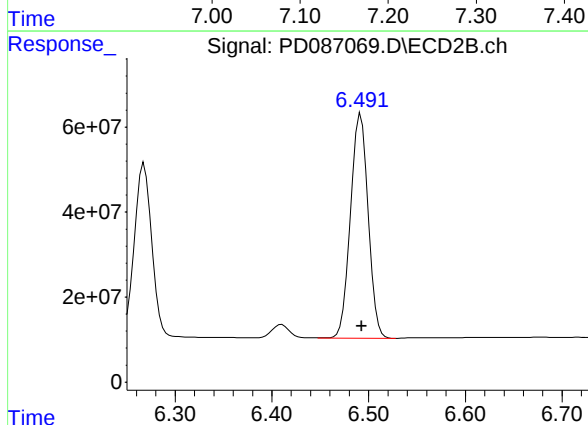
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 148441913
Conc: 51.01 ng/ml

Instrument :

ECD_D

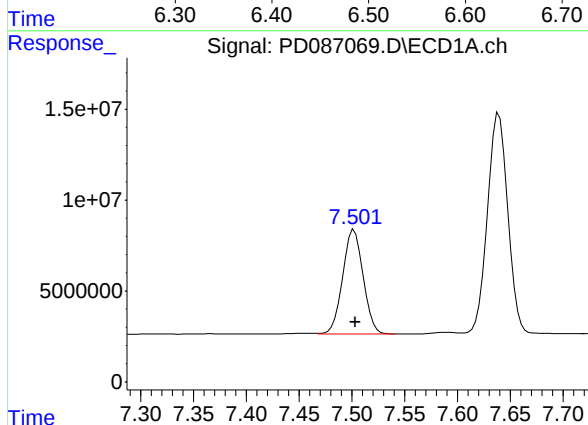
ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2MSD



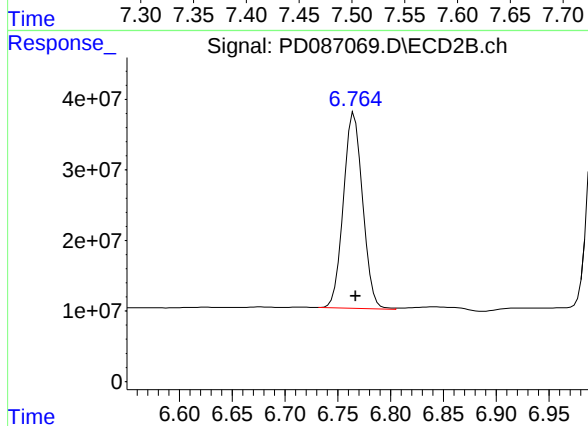
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 666812128
Conc: 49.28 ng/ml



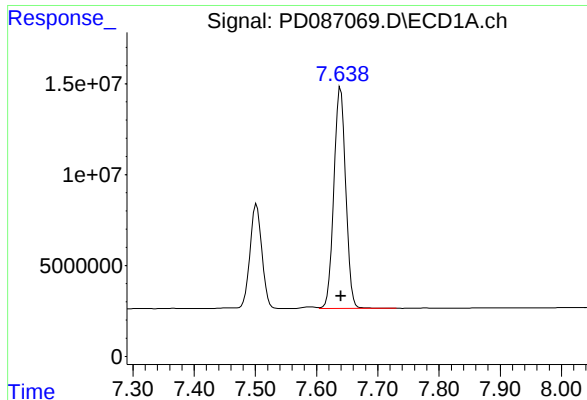
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: -0.001 min
Response: 77519402
Conc: 48.47 ng/ml



#20 Methoxychlor

R.T.: 6.765 min
Delta R.T.: -0.001 min
Response: 351605604
Conc: 49.02 ng/ml



#21 Endrin ketone

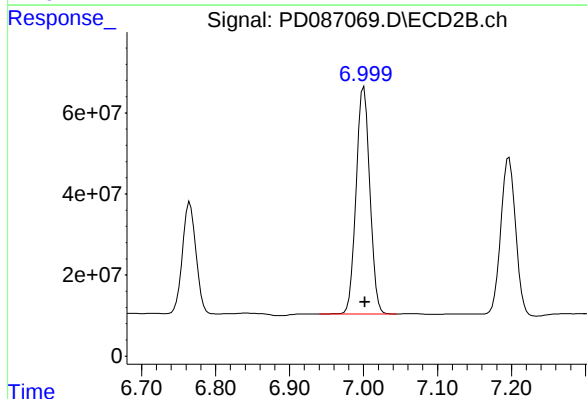
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 163463638
Conc: 50.37 ng/ml

Instrument :

ECD_D

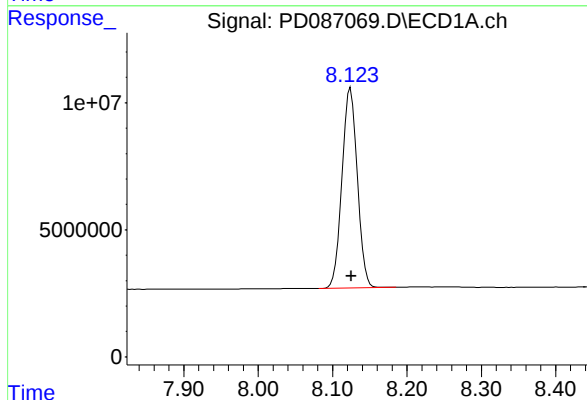
ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2MSD



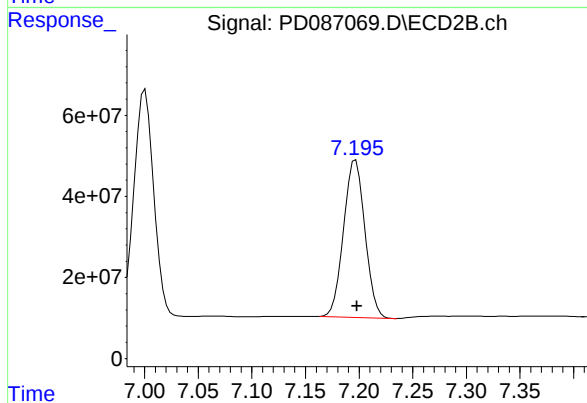
#21 Endrin ketone

R.T.: 7.000 min
Delta R.T.: -0.001 min
Response: 720325630
Conc: 47.79 ng/ml



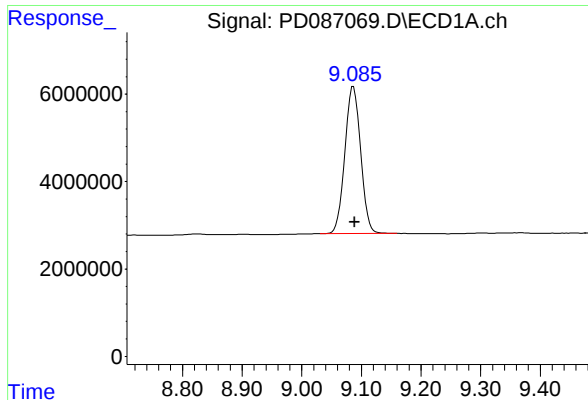
#22 Mirex

R.T.: 8.124 min
Delta R.T.: -0.001 min
Response: 112993385
Conc: 45.29 ng/ml



#22 Mirex

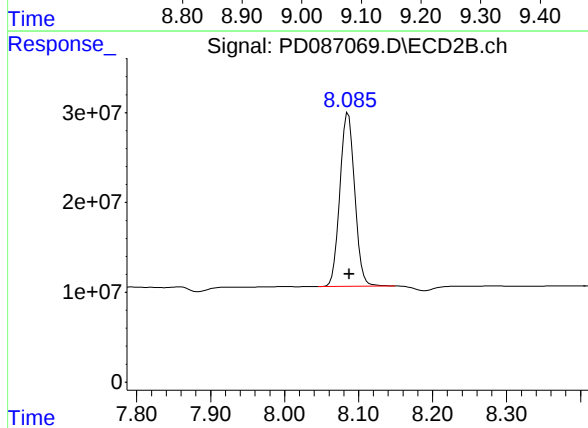
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 538680593
Conc: 43.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.002 min
Response: 61935260
Conc: 19.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2MSD



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.001 min
Response: 269463765
Conc: 19.34 ng/ml

Manual Integration Report

Sequence:	PD112724	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD086945.D	4,4"-DDD	yogesh	12/2/2024 8:43:24 AM	Ankita	12/2/2024 9:34:52	Peak Integrated by Software
PEM	PD086945.D	4,4"-DDD #2	yogesh	12/2/2024 8:43:24 AM	Ankita	12/2/2024 9:34:52	Peak Integrated by Software
PSTDICC005	PD086951.D	4,4"-DDD #2	yogesh	12/2/2024 8:43:26 AM	Ankita	12/2/2024 9:34:53	Peak Integrated by Software
PSTDICC005	PD086951.D	Endrin #2	yogesh	12/2/2024 8:43:26 AM	Ankita	12/2/2024 9:34:53	Peak Integrated by Software
PCHLORICV500	PD086963.D	Chlordane-3 #2	yogesh	12/2/2024 8:43:28 AM	Ankita	12/2/2024 9:34:55	Peak Integrated by Software
PCHLORICV500	PD086963.D	Chlordane-5	yogesh	12/2/2024 8:43:28 AM	Ankita	12/2/2024 9:34:55	Peak Integrated by Software
PEM	PD086966.D	4,4"-DDD	yogesh	12/2/2024 8:43:29 AM	Ankita	12/2/2024 9:34:57	Peak Integrated by Software
PEM	PD086966.D	4,4"-DDD #2	yogesh	12/2/2024 8:43:29 AM	Ankita	12/2/2024 9:34:57	Peak Integrated by Software
PSTDCCC050	PD086983.D	4,4"-DDE	yogesh	12/2/2024 12:08:19 PM	Ankita	12/2/2024 12:18:12	Peak Integrated by Software
PSTDCCC050	PD086983.D	4,4"-DDE #2	yogesh	12/2/2024 12:08:19 PM	Ankita	12/2/2024 12:18:12	Peak Integrated by Software
PSTDCCC050	PD086983.D	4,4"-DDT	yogesh	12/2/2024 12:08:19 PM	Ankita	12/2/2024 12:18:12	Peak Integrated by Software

Manual Integration Report

Sequence:	pd120624	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD087071.D	4,4"-DDE #2	Abdul	12/9/2024 12:43:01 PM	Ankita	12/10/2024 10:28:17	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD112724

Review By	yogesh	Review On	12/2/2024 8:44:00 AM
Supervise By	Ankita	Supervise On	12/2/2024 9:35:29 AM
SubDirectory	PD112724	HP Acquire Method	HP Processing Method PD112724
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD086943.D	27 Nov 2024 10:33	AR\AJ	Ok
2	I.BLK	PD086944.D	27 Nov 2024 10:47	AR\AJ	Ok
3	PEM	PD086945.D	27 Nov 2024 11:01	AR\AJ	Ok,M
4	RESCHK	PD086946.D	27 Nov 2024 11:15	AR\AJ	Ok
5	PSTDICC100	PD086947.D	27 Nov 2024 11:29	AR\AJ	Ok
6	PSTDICC075	PD086948.D	27 Nov 2024 11:42	AR\AJ	Ok
7	PSTDICC050	PD086949.D	27 Nov 2024 11:56	AR\AJ	Ok
8	PSTDICC025	PD086950.D	27 Nov 2024 12:10	AR\AJ	Ok
9	PSTDICC005	PD086951.D	27 Nov 2024 12:24	AR\AJ	Ok,M
10	PCHLORICC1000	PD086952.D	27 Nov 2024 12:38	AR\AJ	Ok
11	PCHLORICC750	PD086953.D	27 Nov 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PD086954.D	27 Nov 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PD086955.D	27 Nov 2024 13:20	AR\AJ	Ok
14	PCHLORICC050	PD086956.D	27 Nov 2024 13:34	AR\AJ	Ok
15	PTOXICC1000	PD086957.D	27 Nov 2024 13:49	AR\AJ	Ok
16	PTOXICC750	PD086958.D	27 Nov 2024 14:03	AR\AJ	Ok
17	PTOXICC500	PD086959.D	27 Nov 2024 14:16	AR\AJ	Ok
18	PTOXICC250	PD086960.D	27 Nov 2024 14:31	AR\AJ	Ok
19	PTOXICC100	PD086961.D	27 Nov 2024 14:45	AR\AJ	Ok
20	PSTDICV050	PD086962.D	27 Nov 2024 14:58	AR\AJ	Ok
21	PCHLORICV500	PD086963.D	27 Nov 2024 15:12	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD112724

Review By	yogesh	Review On	12/2/2024 8:44:00 AM
Supervise By	Ankita	Supervise On	12/2/2024 9:35:29 AM
SubDirectory	PD112724	HP Acquire Method	HP Processing Method PD112724
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD086964.D	27 Nov 2024 15:26	AR\AJ	Ok
23	I.BLK	PD086965.D	27 Nov 2024 15:41	AR\AJ	Ok
24	PEM	PD086966.D	27 Nov 2024 15:55	AR\AJ	Ok,M
25	PSTDCCC050	PD086967.D	27 Nov 2024 16:09	AR\AJ	Ok
26	PB165293BL	PD086968.D	27 Nov 2024 16:23	AR\AJ	Ok
27	PB165293BS	PD086969.D	27 Nov 2024 16:37	AR\AJ	Ok,M
28	P5005-01	PD086970.D	27 Nov 2024 16:51	AR\AJ	Ok,M
29	P5005-01MS	PD086971.D	27 Nov 2024 17:05	AR\AJ	Ok,M
30	P5005-01MSD	PD086972.D	27 Nov 2024 17:19	AR\AJ	Ok,M
31	P5019-01	PD086973.D	27 Nov 2024 17:33	AR\AJ	Ok,M
32	PB165254BL	PD086974.D	27 Nov 2024 17:47	AR\AJ	Ok
33	P5000-01	PD086975.D	27 Nov 2024 18:01	AR\AJ	Ok,M
34	PB165274BL	PD086976.D	27 Nov 2024 18:15	AR\AJ	Ok
35	PB165274BS	PD086977.D	27 Nov 2024 18:28	AR\AJ	Ok,M
36	PB165252TB	PD086978.D	27 Nov 2024 18:42	AR\AJ	Ok
37	P4995-02	PD086979.D	27 Nov 2024 18:56	AR\AJ	Ok
38	P4995-02MS	PD086980.D	27 Nov 2024 19:11	AR\AJ	Ok,M
39	P4995-02MSD	PD086981.D	27 Nov 2024 19:25	AR\AJ	Ok,M
40	I.BLK	PD086982.D	27 Nov 2024 19:39	AR\AJ	Ok
41	PSTDCCC050	PD086983.D	27 Nov 2024 19:53	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD120624

Review By	Abdul	Review On	12/9/2024 10:08:45 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:04:50 AM
SubDirectory	PD120624	HP Acquire Method	HP Processing Method PD112724 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD087045.D	06 Dec 2024 10:15	AR\AJ	Ok
2	I.BLK	PD087046.D	06 Dec 2024 10:29	AR\AJ	Ok
3	PEM	PD087047.D	06 Dec 2024 10:43	AR\AJ	Ok
4	PSTDCCC050	PD087048.D	06 Dec 2024 10:57	AR\AJ	Ok
5	PB165422BL	PD087049.D	06 Dec 2024 13:04	AR\AJ	Ok
6	PB165422BS	PD087050.D	06 Dec 2024 13:18	AR\AJ	Ok
7	P5133-01	PD087051.D	06 Dec 2024 13:32	AR\AJ	Ok,M
8	P5136-01	PD087052.D	06 Dec 2024 13:46	AR\AJ	Ok
9	P5137-01	PD087053.D	06 Dec 2024 14:00	AR\AJ	Ok
10	P5137-01MS	PD087054.D	06 Dec 2024 14:14	AR\AJ	Ok
11	P5137-01MSD	PD087055.D	06 Dec 2024 14:28	AR\AJ	Ok
12	I.BLK	PD087056.D	06 Dec 2024 14:42	AR\AJ	Ok
13	PSTDCCC050	PD087057.D	06 Dec 2024 14:56	AR\AJ	Ok
14	PB165431BL	PD087058.D	06 Dec 2024 15:10	AR\AJ	Ok
15	PB165431BS	PD087059.D	06 Dec 2024 15:24	AR\AJ	Ok
16	PB165431BSD	PD087060.D	06 Dec 2024 15:38	AR\AJ	Ok
17	P5093-01	PD087061.D	06 Dec 2024 15:52	AR\AJ	Ok
18	P5093-02	PD087062.D	06 Dec 2024 16:06	AR\AJ	Ok
19	P5145-01	PD087063.D	06 Dec 2024 16:20	AR\AJ	Not Ok
20	PB165454BL	PD087064.D	06 Dec 2024 16:34	AR\AJ	Ok
21	PB165454BS	PD087065.D	06 Dec 2024 16:48	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD120624

Review By	Abdul	Review On	12/9/2024 10:08:45 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:04:50 AM
SubDirectory	PD120624	HP Acquire Method	HP Processing Method PD112724 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB165390TB	PD087066.D	06 Dec 2024 17:02	AR\AJ	Ok
23	P5117-02	PD087067.D	06 Dec 2024 17:15	AR\AJ	Ok
24	P5117-02MS	PD087068.D	06 Dec 2024 17:29	AR\AJ	Ok
25	P5117-02MSD	PD087069.D	06 Dec 2024 17:43	AR\AJ	Ok
26	I.BLK	PD087070.D	06 Dec 2024 17:57	AR\AJ	Ok
27	PSTDCCC050	PD087071.D	06 Dec 2024 18:11	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD112724

Review By	yogesh	Review On	12/2/2024 8:44:00 AM
Supervise By	Ankita	Supervise On	12/2/2024 9:35:29 AM
SubDirectory	PD112724	HP Acquire Method	HP Processing Method PD112724

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD086943.D	27 Nov 2024 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PD086944.D	27 Nov 2024 10:47		AR\AJ	Ok
3	PEM	PEM	PD086945.D	27 Nov 2024 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD086946.D	27 Nov 2024 11:15		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD086947.D	27 Nov 2024 11:29		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD086948.D	27 Nov 2024 11:42		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD086949.D	27 Nov 2024 11:56		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD086950.D	27 Nov 2024 12:10		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD086951.D	27 Nov 2024 12:24		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD086952.D	27 Nov 2024 12:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD086953.D	27 Nov 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD086954.D	27 Nov 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD086955.D	27 Nov 2024 13:20		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD086956.D	27 Nov 2024 13:34		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD086957.D	27 Nov 2024 13:49		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD086958.D	27 Nov 2024 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD086959.D	27 Nov 2024 14:16		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD086960.D	27 Nov 2024 14:31		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD112724

Review By	yogesh	Review On	12/2/2024 8:44:00 AM
Supervise By	Ankita	Supervise On	12/2/2024 9:35:29 AM
SubDirectory	PD112724	HP Acquire Method	HP Processing Method PD112724
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD086961.D	27 Nov 2024 14:45		AR\AJ	Ok
20	PSTDICV050	ICVPD112724	PD086962.D	27 Nov 2024 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPD112724	PD086963.D	27 Nov 2024 15:12		AR\AJ	Ok,M
22	PTOXICV500	ICVPD112724	PD086964.D	27 Nov 2024 15:26		AR\AJ	Ok
23	I.BLK	I.BLK	PD086965.D	27 Nov 2024 15:41		AR\AJ	Ok
24	PEM	PEM	PD086966.D	27 Nov 2024 15:55		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD086967.D	27 Nov 2024 16:09		AR\AJ	Ok
26	PB165293BL	PB165293BL	PD086968.D	27 Nov 2024 16:23		AR\AJ	Ok
27	PB165293BS	PB165293BS	PD086969.D	27 Nov 2024 16:37	Recovery Fail in delta-BHC-I	AR\AJ	Ok,M
28	P5005-01	STOCK-PILE	PD086970.D	27 Nov 2024 16:51		AR\AJ	Ok,M
29	P5005-01MS	STOCK-PILEMS	PD086971.D	27 Nov 2024 17:05		AR\AJ	Ok,M
30	P5005-01MSD	STOCK-PILEMSD	PD086972.D	27 Nov 2024 17:19		AR\AJ	Ok,M
31	P5019-01	EO-02-11262024	PD086973.D	27 Nov 2024 17:33		AR\AJ	Ok,M
32	PB165254BL	PB165254BL	PD086974.D	27 Nov 2024 17:47		AR\AJ	Ok
33	P5000-01	MH-745	PD086975.D	27 Nov 2024 18:01		AR\AJ	Ok,M
34	PB165274BL	PB165274BL	PD086976.D	27 Nov 2024 18:15		AR\AJ	Ok
35	PB165274BS	PB165274BS	PD086977.D	27 Nov 2024 18:28		AR\AJ	Ok,M
36	PB165252TB	PB165252TB	PD086978.D	27 Nov 2024 18:42		AR\AJ	Ok
37	P4995-02	001	PD086979.D	27 Nov 2024 18:56		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD112724

Review By	yogesh	Review On	12/2/2024 8:44:00 AM
Supervise By	Ankita	Supervise On	12/2/2024 9:35:29 AM
SubDirectory	PD112724	HP Acquire Method	HP Processing Method PD112724
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4995-02MS	001MS	PD086980.D	27 Nov 2024 19:11		AR\AJ	Ok,M
39	P4995-02MSD	001MSD	PD086981.D	27 Nov 2024 19:25		AR\AJ	Ok,M
40	I.BLK	I.BLK	PD086982.D	27 Nov 2024 19:39		AR\AJ	Ok
41	PSTDCCC050	PSTDCCC050	PD086983.D	27 Nov 2024 19:53		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD120624

Review By	Abdul	Review On	12/9/2024 10:08:45 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:04:50 AM
SubDirectory	PD120624	HP Acquire Method	HP Processing Method PD112724 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD087045.D	06 Dec 2024 10:15		AR\AJ	Ok
2	I.BLK	I.BLK	PD087046.D	06 Dec 2024 10:29		AR\AJ	Ok
3	PEM	PEM	PD087047.D	06 Dec 2024 10:43		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PD087048.D	06 Dec 2024 10:57		AR\AJ	Ok
5	PB165422BL	PB165422BL	PD087049.D	06 Dec 2024 13:04		AR\AJ	Ok
6	PB165422BS	PB165422BS	PD087050.D	06 Dec 2024 13:18		AR\AJ	Ok
7	P5133-01	MOO-24-00374	PD087051.D	06 Dec 2024 13:32		AR\AJ	Ok,M
8	P5136-01	COMP-1	PD087052.D	06 Dec 2024 13:46		AR\AJ	Ok
9	P5137-01	LAW-OILY-STONES	PD087053.D	06 Dec 2024 14:00		AR\AJ	Ok
10	P5137-01MS	LAW-OILY-STONESMS	PD087054.D	06 Dec 2024 14:14		AR\AJ	Ok
11	P5137-01MSD	LAW-OILY-STONESMS	PD087055.D	06 Dec 2024 14:28		AR\AJ	Ok
12	I.BLK	I.BLK	PD087056.D	06 Dec 2024 14:42		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PD087057.D	06 Dec 2024 14:56		AR\AJ	Ok
14	PB165431BL	PB165431BL	PD087058.D	06 Dec 2024 15:10		AR\AJ	Ok
15	PB165431BS	PB165431BS	PD087059.D	06 Dec 2024 15:24		AR\AJ	Ok
16	PB165431BSD	PB165431BSD	PD087060.D	06 Dec 2024 15:38		AR\AJ	Ok
17	P5093-01	LL-001	PD087061.D	06 Dec 2024 15:52		AR\AJ	Ok
18	P5093-02	LL-001-FB-12-4-24	PD087062.D	06 Dec 2024 16:06		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD120624

Review By	Abdul	Review On	12/9/2024 10:08:45 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:04:50 AM
SubDirectory	PD120624	HP Acquire Method	HP Processing Method PD112724 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P5145-01	286085	PD087063.D	06 Dec 2024 16:20	surrogates fail, need cleanup	AR\AJ	Not Ok
20	PB165454BL	PB165454BL	PD087064.D	06 Dec 2024 16:34		AR\AJ	Ok
21	PB165454BS	PB165454BS	PD087065.D	06 Dec 2024 16:48		AR\AJ	Ok
22	PB165390TB	PB165390TB	PD087066.D	06 Dec 2024 17:02		AR\AJ	Ok
23	P5117-02	TAPIAL2-IDW-SOIL-12	PD087067.D	06 Dec 2024 17:15		AR\AJ	Ok
24	P5117-02MS	TAPIAL2-IDW-SOIL-12	PD087068.D	06 Dec 2024 17:29		AR\AJ	Ok
25	P5117-02MSD	TAPIAL2-IDW-SOIL-12	PD087069.D	06 Dec 2024 17:43		AR\AJ	Ok
26	I.BLK	I.BLK	PD087070.D	06 Dec 2024 17:57		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PD087071.D	06 Dec 2024 18:11		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 114771

Start Prep Date : 12/05/2024 Time : 16:40

End Prep Date : 12/06/2024 Time : 09:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : 12

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP83122

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked, 30 rpm. Particle size reduction is not required. p5100-04 and p5103-02 is oil samples so no fluid determination. P5136-02 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/06/24 10:30	<i>JP</i> 12th Room	<i>JP</i> 12th
	Preparation Group	Analysis Group <i>JP</i> 12th

TCLP EXTRACTION LOGPAGE

PB165390

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P5095-04	MH-764	01	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
P5096-04	MH-B	02	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
P5096-08	MH-A	03	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
P5100-04	3167	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.0	N/A
P5103-02	423	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.0	N/A
P5110-01	ELIZ-COMP-1	04	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-1
P5110-02	ELIZ-COMP-2	05	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5112-02	10TH-ST-SOIL	06	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	07	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
P5133-02	MOO-24-00374	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5136-02	COMP-1	09	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
PB165390TB	LEB390	10	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5095-04	MH-764	N/A	N/A	N/A	N/A	100	N/A
P5096-04	MH-B	N/A	N/A	N/A	N/A	100	N/A
P5096-08	MH-A	N/A	N/A	N/A	N/A	100	N/A
P5100-04	3167	N/A	N/A	N/A	N/A	<0.5	N/A
P5103-02	423	N/A	N/A	N/A	N/A	<0.5	N/A
P5110-01	ELIZ-COMP-1	N/A	N/A	N/A	N/A	100	N/A
P5110-02	ELIZ-COMP-2	N/A	N/A	N/A	N/A	100	N/A
P5112-02	10TH-ST-SOIL	N/A	N/A	N/A	N/A	100	N/A
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	N/A	N/A	N/A	N/A	100	N/A
P5133-02	MOO-24-00374	N/A	N/A	N/A	N/A	100	N/A
P5136-02	COMP-1	N/A	N/A	N/A	N/A	100	N/A
PB165390TB	LEB390	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P5095-04	MH-764	5.02	96.5	9.5	4.0	#1	4.94
P5096-04	MH-B	5.03	96.5	8.6	3.5	#1	4.94
P5096-08	MH-A	5.02	96.5	8.6	3.5	#1	4.94
P5100-04	3167	N/A	N/A	N/A	N/A	N/A	N/A
P5103-02	423	N/A	N/A	N/A	N/A	N/A	N/A
P5110-01	ELIZ-COMP-1	5.02	96.5	6.8	2.5	#1	4.94
P5110-02	ELIZ-COMP-2	5.03	96.5	6.4	2.5	#1	4.94
P5112-02	10TH-ST-SOIL	5.02	96.5	8.4	3.0	#1	4.94
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	5.01	96.5	6.4	2.5	#1	4.94
P5133-02	MOO-24-00374	5.02	96.5	6.0	2.5	#1	4.94
P5136-02	COMP-1	5.03	96.5	6.2	2.5	#1	4.94
PB165390TB	LEB390	N/A	N/A	N/A	N/A	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P5096

WorkList ID : 185994

Department : TCLP Extraction

Date : 12-05-2024 09:25:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5095-04	MH-764	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L11	12/04/2024	1311
P5096-04	MH-B	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311
P5096-08	MH-A	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311
P5100-04	3167	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	12/04/2024	1311
P5103-02	423	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311
P5110-01	ELIZ-COMP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	12/04/2024	1311
P5110-02	ELIZ-COMP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	12/04/2024	1311
P5112-02	10TH-ST-SOIL	Solid	TCLP Extraction	Cool 4 deg C	TULL02	L51	12/05/2024	1311
P5117-02	TAPIAL2-IDW-SOIL-120424-00	Solid	TCLP Extraction	Cool 4 deg C	WEST04	L41	12/05/2024	1311
P5133-02	MOO-24-00374	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	12/05/2024	1311
P5136-02	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	12/05/2024	1311

Date/Time

12/05/24 15:40

Raw Sample Received by:

20/0001

Raw Sample Relinquished by:

RJ LEST-1ab

P5117-TCLP Pesticide

Date/Time

12/05/24

17:10

Raw Sample Received by:

RJ LEST-1ab

Raw Sample Relinquished by:

269 of 381

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: RJ

Balance ID: EX-SC-2

pH Strlp Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/06/2024

Extraction Start Time : 10:50

Extraction End Date : 12/06/2024

Extraction End Time : 15:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23928
Surrogate	1.0ML	200 PPB	PP23985
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3845
Baked Na2SO4	N/A	EP2570
Sand	N/A	E2865
Hexane	N/A	E3826
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

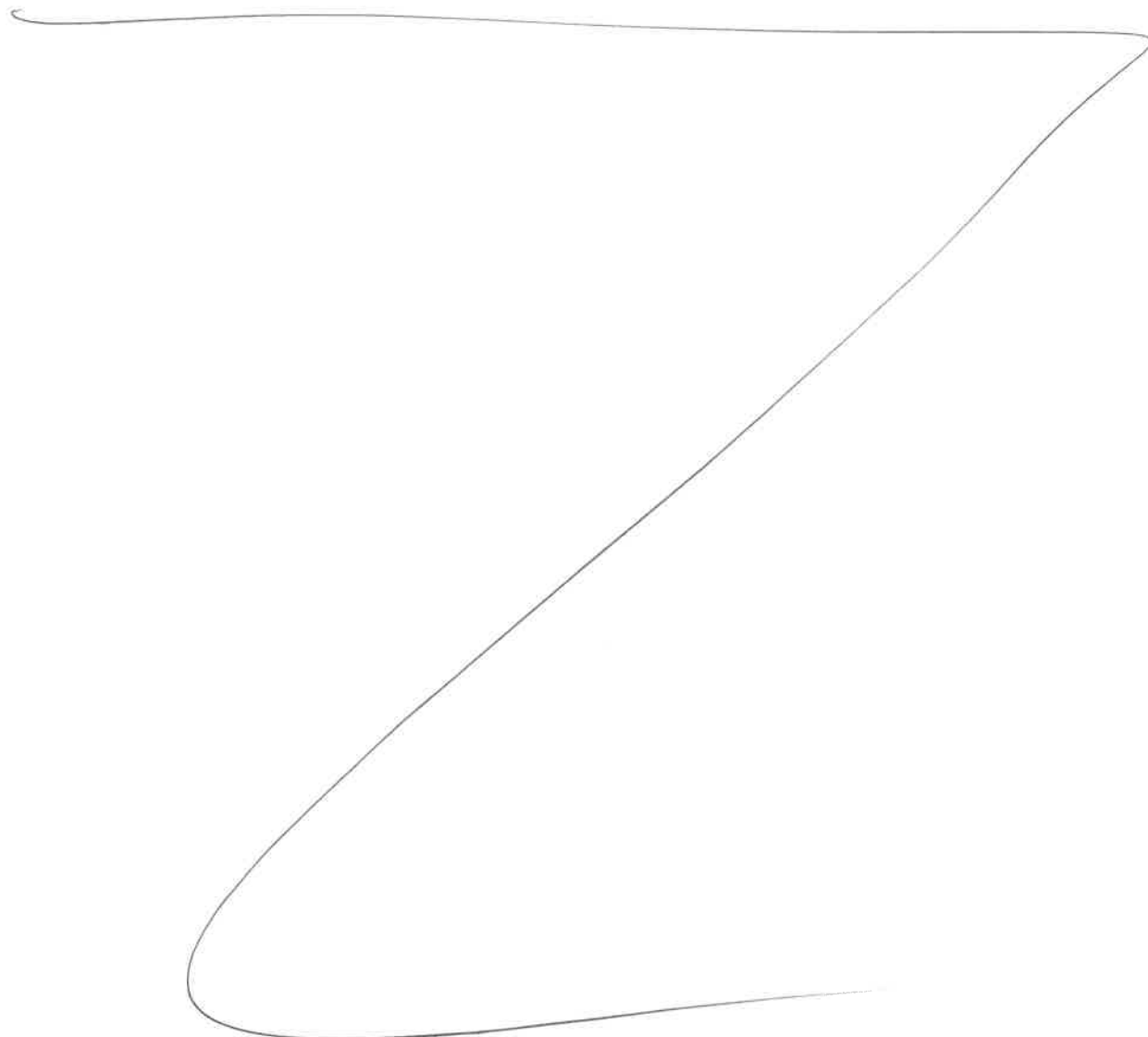
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/6/24	RP (Ent. Lab)	Dr. Pest/PCB Lab
15:55	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 12/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165390TB	PB165390TB	TCLP Pesticide	100	6	RUPESH	rajesh	10			SEP-12
PB165454BL	PBLK454	TCLP Pesticide	1000	6	RUPESH	rajesh	10			13
PB165454BS	PLCS454	TCLP Pesticide	1000	6	RUPESH	rajesh	10			14
P5117-02	TAPIAL2-IDW-SOIL-1204 24-00-T2	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		15
P5117-02MS	TAPIAL2-IDW-SOIL-1204 24-00-T2MS	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		16
P5117-02MS D	TAPIAL2-IDW-SOIL-1204 24-00-T2MSD	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		17



* Extracts relinquished on the same date as received.

Handwritten signature and date:
12/6/24

TCLP EXTRACTION LOGPAGE

PB165390

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pre-Po
P5095-04	MH-764	01	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
P5096-04	MH-B	02	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
P5096-08	MH-A	03	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
P5100-04	3167	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.0	N/A
P5103-02	423	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.0	N/A
P5110-01	ELIZ-COMP-1	04	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-1
P5110-02	ELIZ-COMP-2	05	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5112-02	10TH-ST-SOIL	06	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	07	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
P5133-02	MOO-24-00374	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5136-02	COMP-1	09	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
PB165390TB	LEB390	10	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

1210612025
10130

Prep Standard - Chemical Standard Summary

Order ID : P5117
Test : TCLP Pesticide
Prepbatch ID : PB165454,
Sequence ID/Qc Batch ID: pd120624,

Standard ID :
EP2570,PP23517,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,P
P23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23928,PP23985,

Chemical ID :
E2865,E3551,E3770,E3792,E3805,E3818,E3826,E3827,E3845,P11146,P11896,P13036,P13039,P13244,P13349,P133
50,P13352,P13359,P13402,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2570	12/02/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 12/02/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani 07/16/2024

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = 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	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = 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>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = 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)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = 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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = 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>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = 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)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = 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>
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = 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>
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = 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	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = 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)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP23928	10/30/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/30/2024

FROM 95.00000ml of E3818 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23985	11/15/2024	05/08/2025	Ankita Jodhani	None	None	Yogesh Patel
FROM 1.00000ml of P13352 + 999.00000ml of E3827 = 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	12/31/2024	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	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	05/09/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

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)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

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)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	06/06/2025	12/06/2024 / Rajesh	11/11/2024 / Rajesh	E3845

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

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	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

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	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

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	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

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	05/15/2025	11/15/2024 / Ankita	04/22/2024 / Abdul	P13352

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

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	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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16
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18
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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

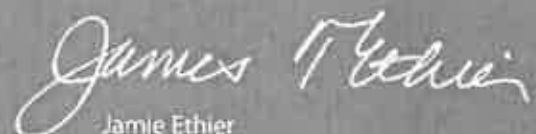
Certificate of Analysis

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



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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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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 10/9/24

E 3818

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3827

Recd. by RS on ~~11/8/24~~ 11/7/24
RS
11/7

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3845

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892
↓
P 11896
5

06/17/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

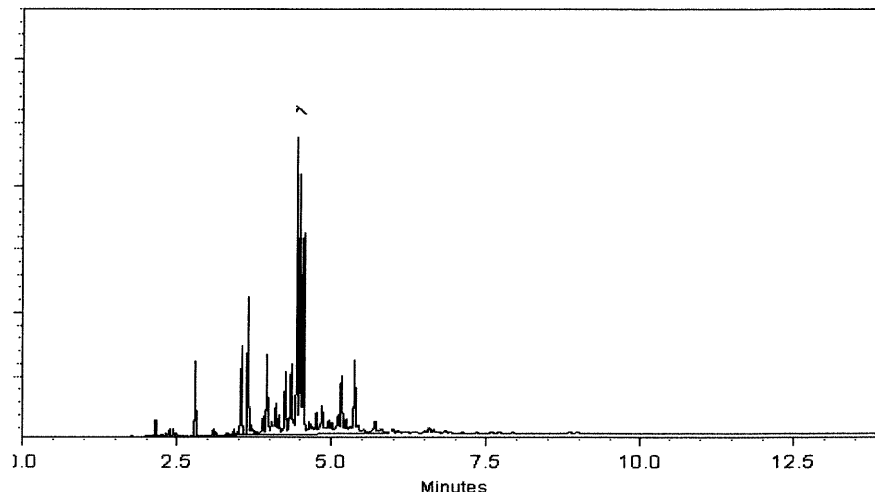
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

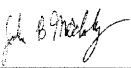
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

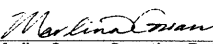


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11892 / (5)
↓
P 11896 / 1


06/17/2022



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

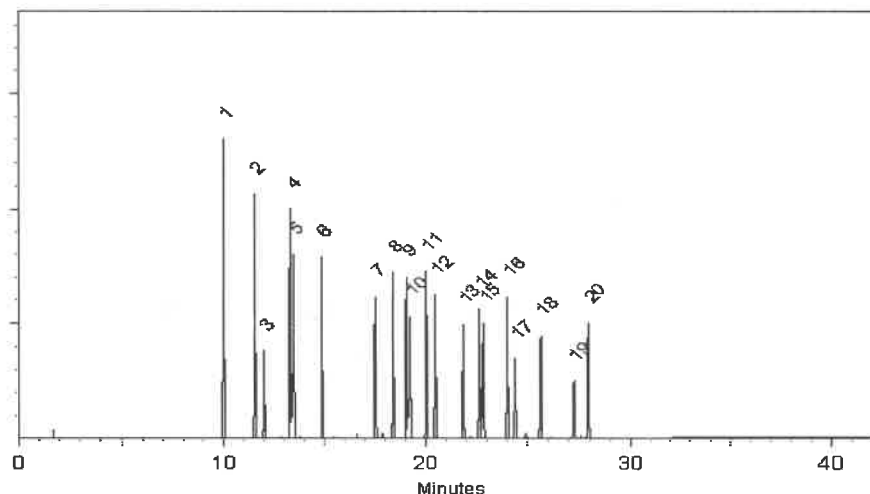
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

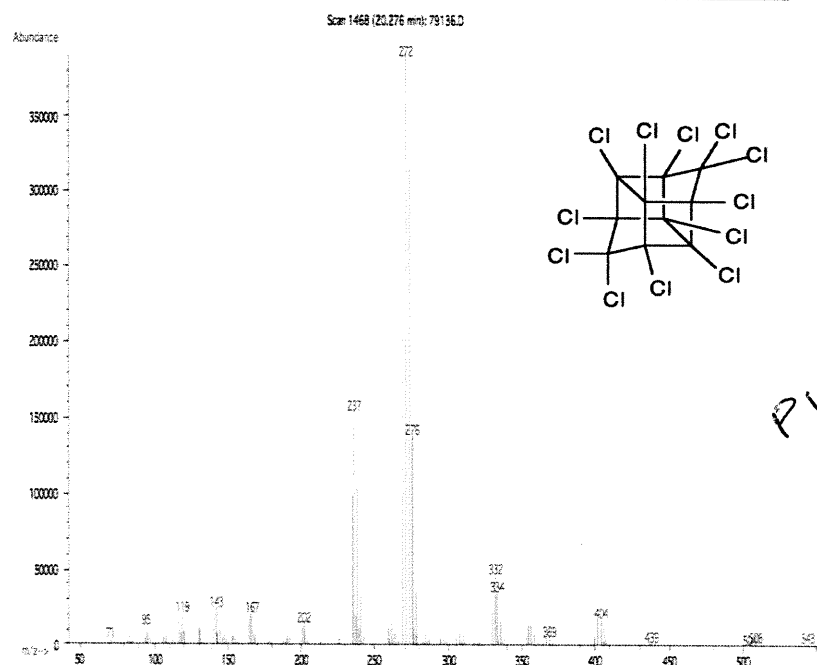
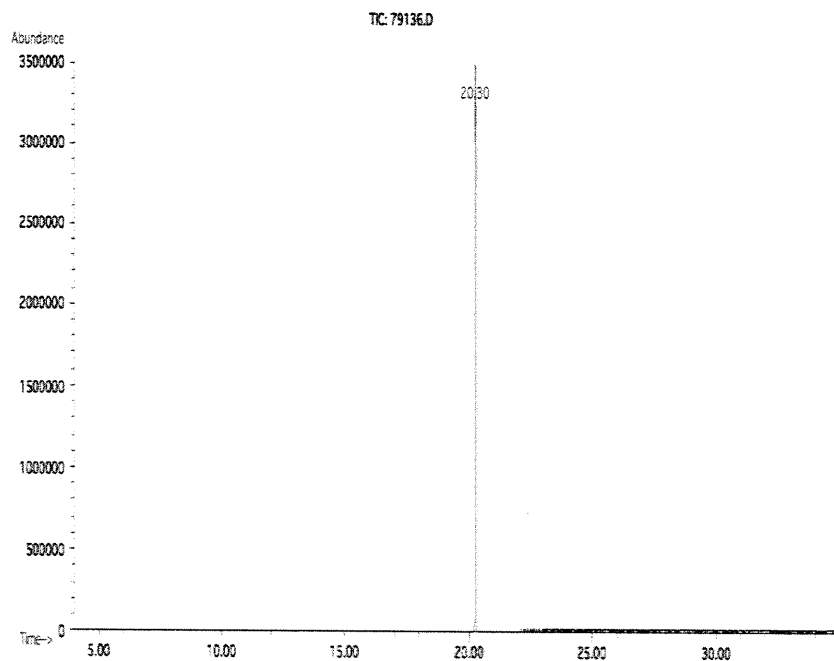
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

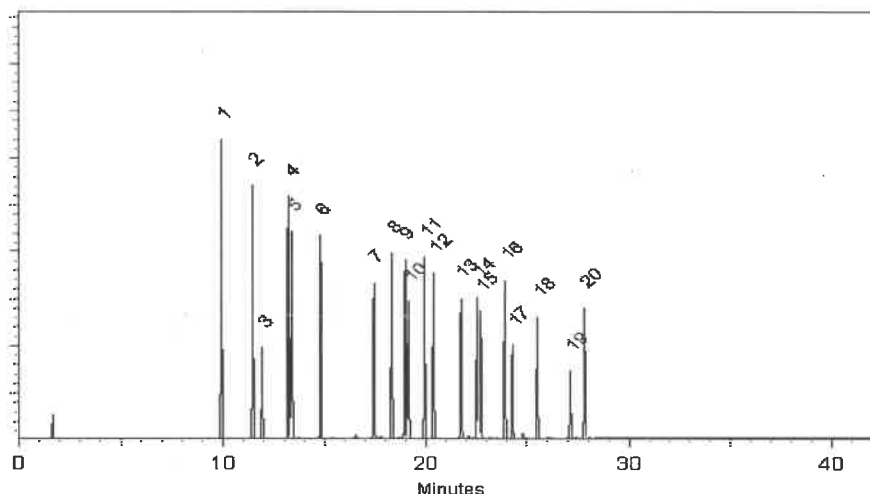
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

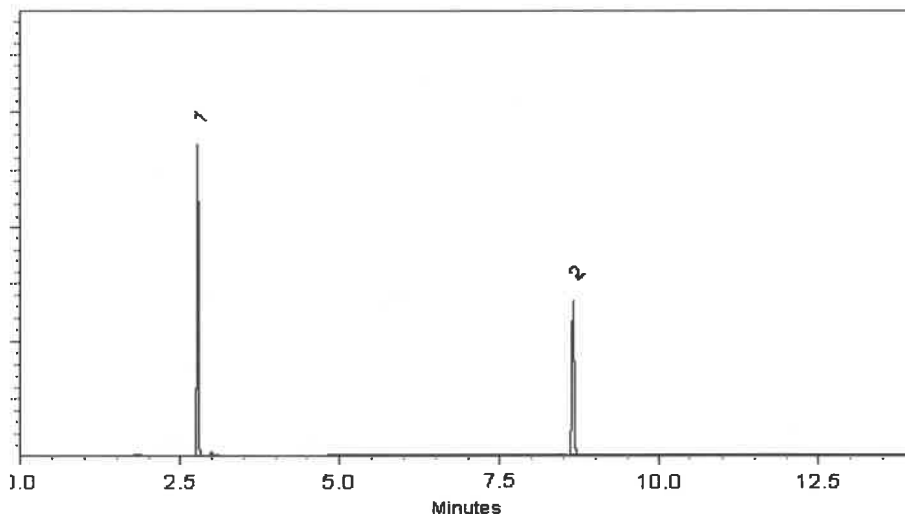
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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

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SAUF
04/25/2025
(10)



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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
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:

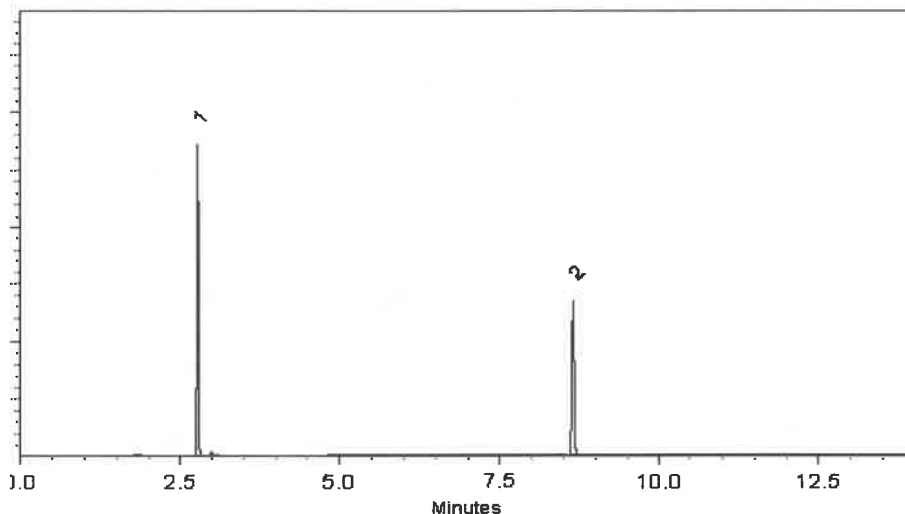
ECD

Split Vent:

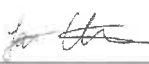
10 ml/min.

Inj. Vol

1µl

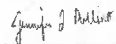


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

P13348
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P13357
SAUF
04/25/2025
(10)



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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
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:

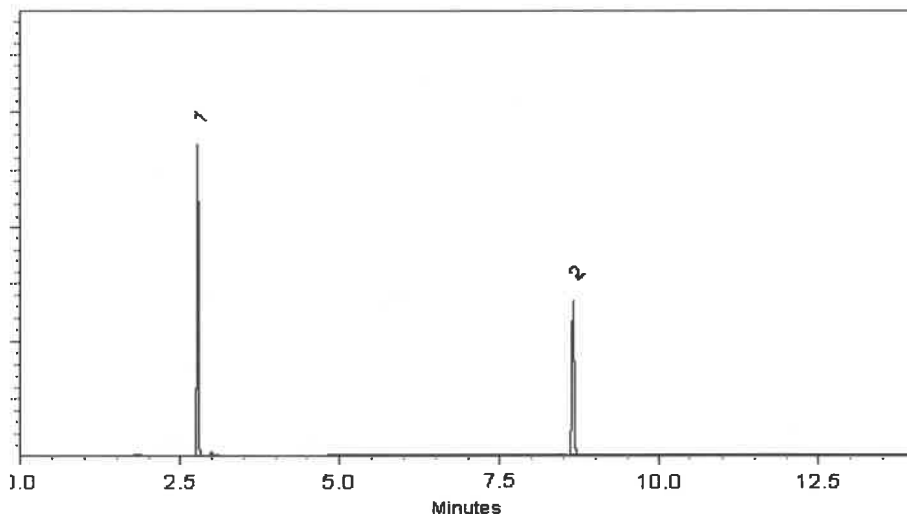
ECD

Split Vent:

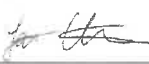
10 ml/min.

Inj. Vol

1µl

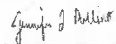


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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

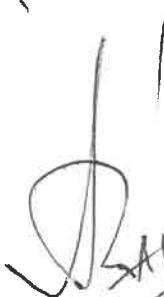
Balance Serial # 1128360905


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

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SAUF
04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13358
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P 13369
(12)

✓
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

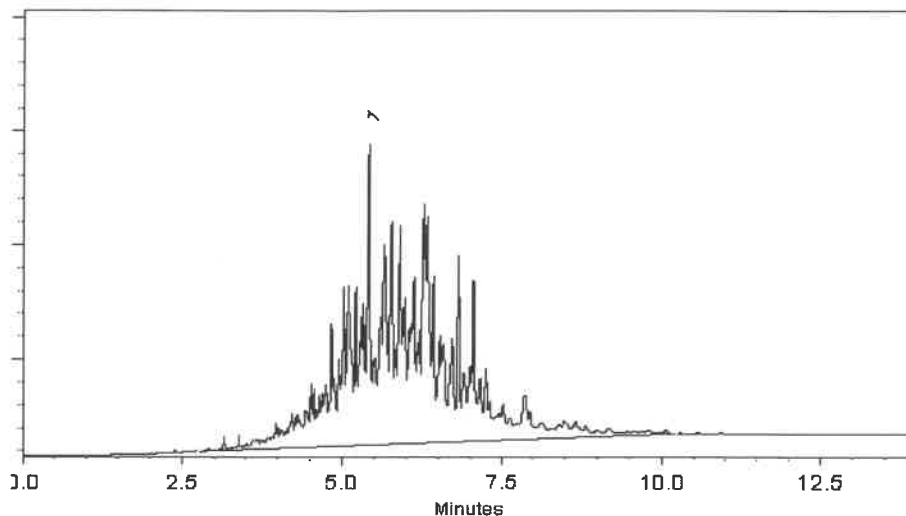
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

P13358 } (12)
↓
P13369
|


05-06-2024



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } (5)
P13406 }
5/22/2021

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

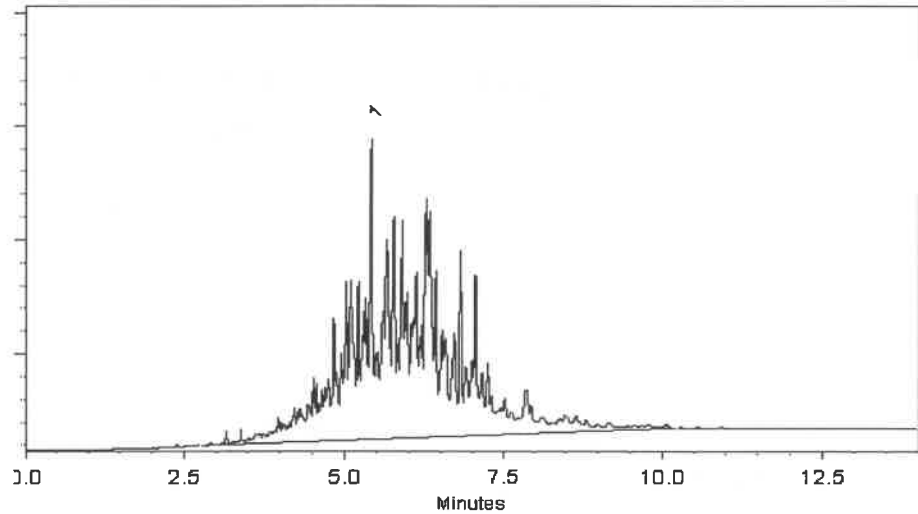
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

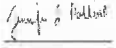


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



SHIPPING DOCUMENTS

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P5117



Weston COC ID
Weston_20241204

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

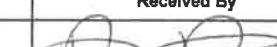
Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate property preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Analyses Requested:	pH by EPA 8045D	TAL Metals by EPA 6020B/7471B	TOC by 9060A	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012E	PCB by EPA 8082A	Ignitability by EPA 1030
Container Type:	Glass	Glass	Glass	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass
Container Size:	8 oz	8 oz	8 oz	25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz
Preservative:	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6

Matrix Codes
SB - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	Special Instructions/Comments											
1	TAPIAL3-SB04I-10-120324-00-T1	g	SB	12	no	12/3/2024	14:00	X	X	X									
2	TAPIAL2-IDW-Soil-120424-00-T2	g	DS	7	no	12/4/2024	13:00	X			X	X	X	X	X	X	X	X	Make expedited 7 day TAT
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Shipping Airbill Number(s):				7704 9457 4944 / 7704 9457 4958		2.3°C		Cooler Number:		1	of	2
Relinquished By		Date	Time	Received By		Date	Time	Additional Comments				
1.)	Sue Klinefelter	12/4/24	1600			12-5-24	1010	QSM 6.0 Compliant				
2.)								Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD				
3.)												

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
 Data File : PD086945.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Nov 2024 11:01
 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: Nov 27 13:49:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 13:46:45 2024
 Response via : Initial 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...	3.557	2.884	39428434	236.5E6	19.717	20.657
28)	SA Decachlor...	9.087	8.087	66521357	295.0E6	20.912	21.177
Target Compounds							
2)	A alpha-BHC	4.006	3.398	36235993	190.6E6	9.005	10.819
3)	MA gamma-BHC...	4.337	3.735	36102856	178.2E6	9.052	10.608
5)	MB Aldrin	0.000	4.370	0	1290468	N.D.	0.077 #
6)	B beta-BHC	4.521	4.030	16665842	81282986	10.567	11.349
7)	B delta-BHC	4.784	4.266	264371	655108	0.065	0.039 #
8)	B Heptachlo...	5.690	4.903f	141188	282752	0.039	0.019 #
9)	A Endosulfan I	6.051f	5.251	165556	1107057	0.049	0.078 #
10)	B gamma-Chl...	0.000	5.135	0	227266	N.D.	0.015 #
11)	B alpha-Chl...	6.051f	5.201	165556	525189	0.046	0.034 #
12)	B 4,4'-DDE	6.210	5.386	281717	1670166	0.087	0.111 #
13)	MA Dieldrin	0.000	5.524	0	112512	N.D.	0.007 #
14)	MA Endrin	6.584	5.798	139.0E6	647.4E6	45.935	46.283
15)	B Endosulfa...	6.814f	6.098	960944	1680748	0.321	0.122 #
16)	A 4,4'-DDD	6.715	5.941	1036377	4921823	0.399	0.392
17)	MA 4,4'-DDT	7.031	6.195	289.8E6	1248.5E6	102.603	93.631
18)	B Endrin al...	6.924	6.268	3281809	20413104	1.342	1.840 #
19)	B Endosulfa...	0.000	6.494	0	782958	N.D.	0.058 #
20)	A Methoxychlor	7.503	6.766	379.1E6	1394.5E6	237.067	194.401
21)	B Endrin ke...	7.639	7.001	6424480	39136716	1.980	2.597 #
22)	Mirex	0.000	7.191	0	1109790	N.D.	0.090 #
23)	Chlordane-1	0.000	3.942f	0	1897836	N.D.	3.647 #
24)	Chlordane-2	0.000	4.493	0	570665	N.D.	1.024 #
25)	Chlordane-3	0.000	5.135	0	227266	N.D.	0.137 #
26)	Chlordane-4	6.051	5.201	165556	525189	0.251	0.375 #
27)	Chlordane-5	0.000	6.098	0	1680748	N.D.	2.623 #

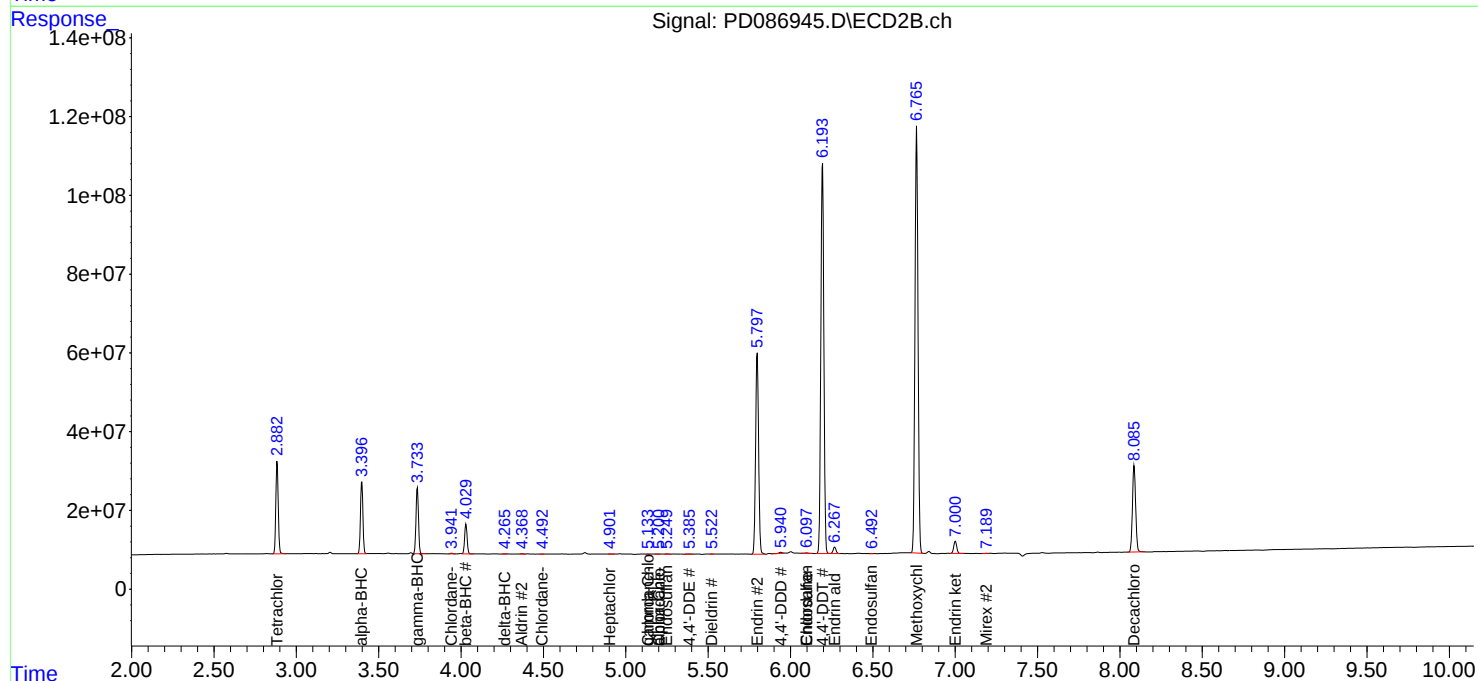
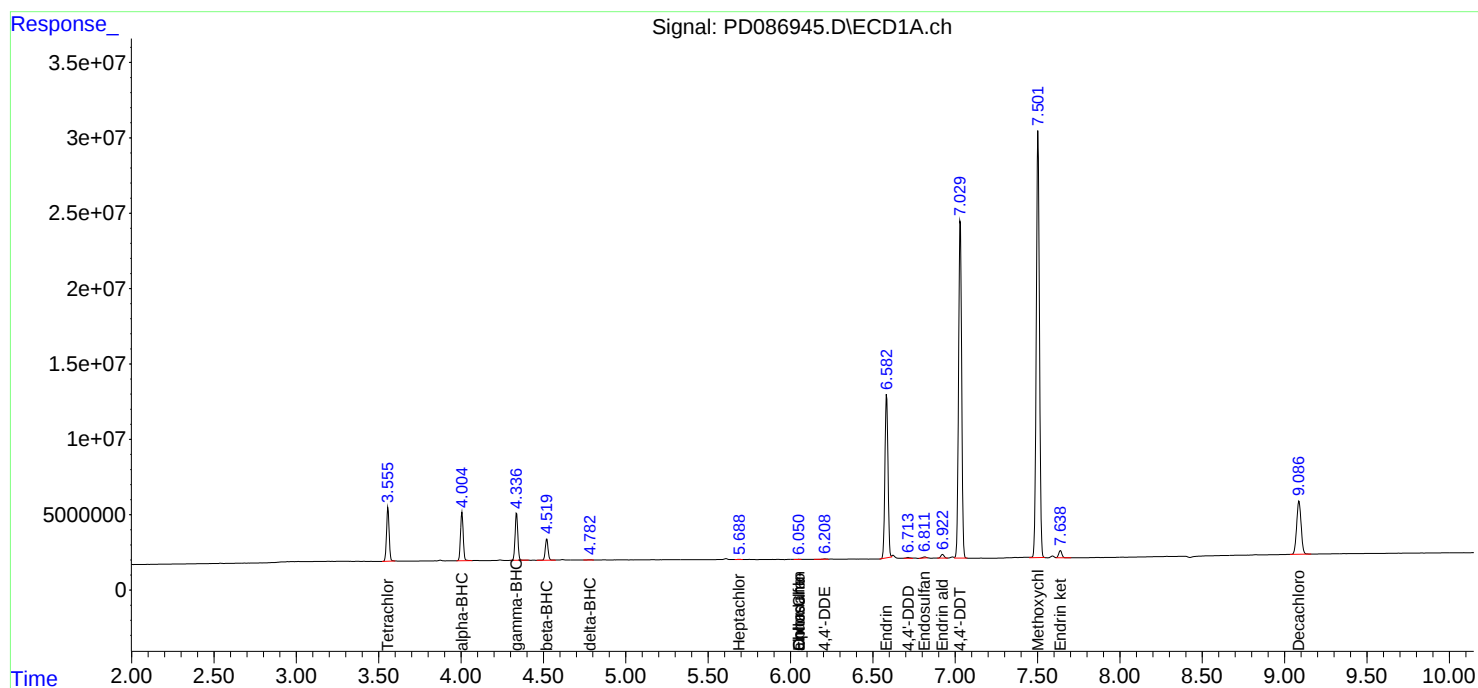
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

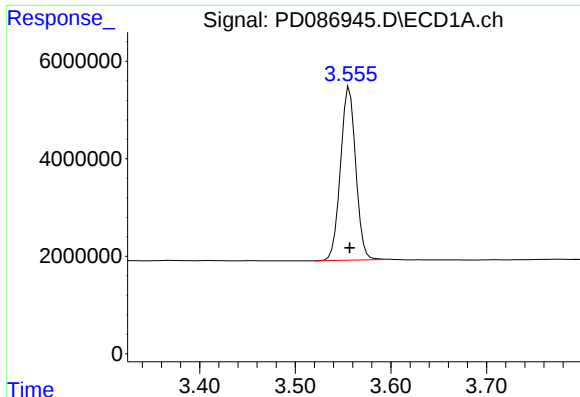
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 13:49:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 13:46:45 2024
Response via : Initial 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

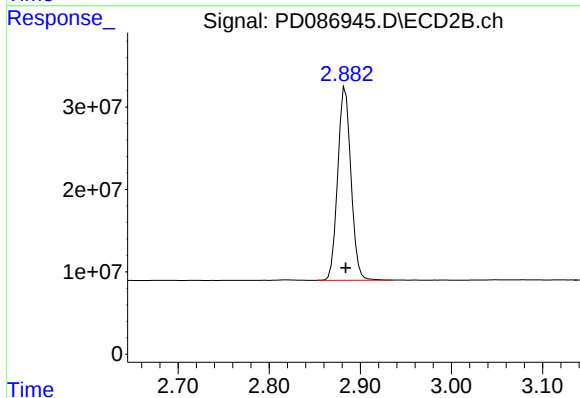




#1 Tetrachloro-m-xylene

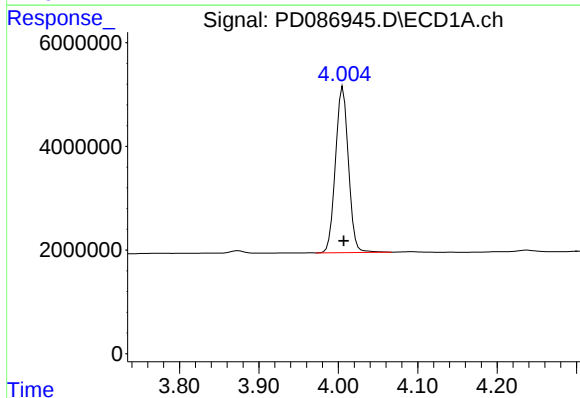
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 39428434
Conc: 19.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



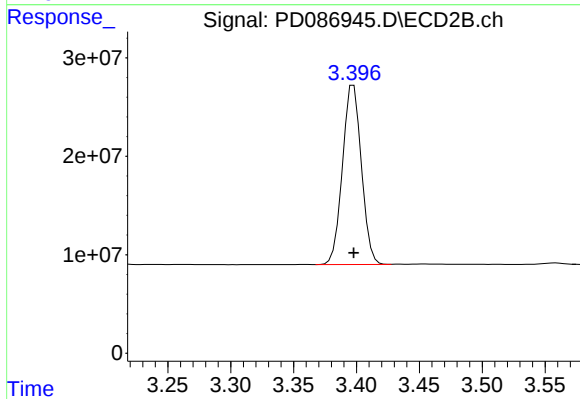
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 236451486
Conc: 20.66 ng/ml



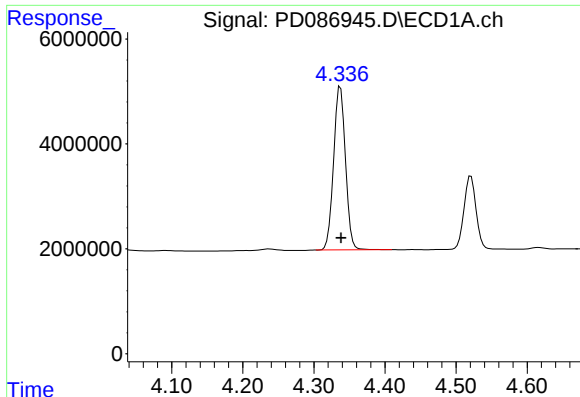
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 36235993
Conc: 9.00 ng/ml



#2 alpha-BHC

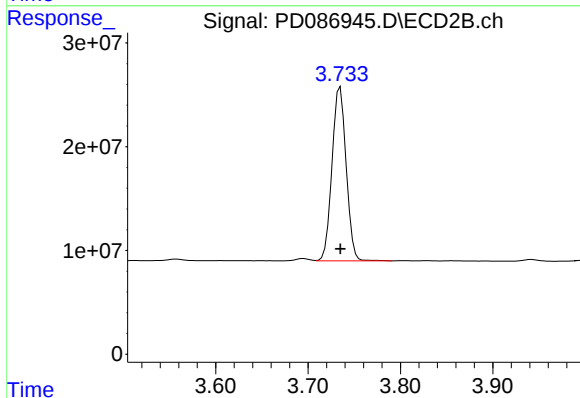
R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 190641909
Conc: 10.82 ng/ml



#3 gamma-BHC (Lindane)

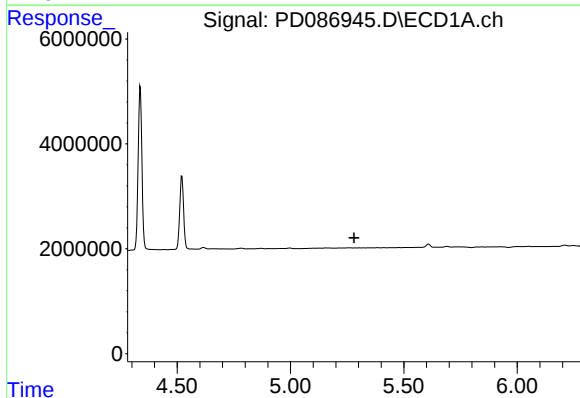
R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 36102856
Conc: 9.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



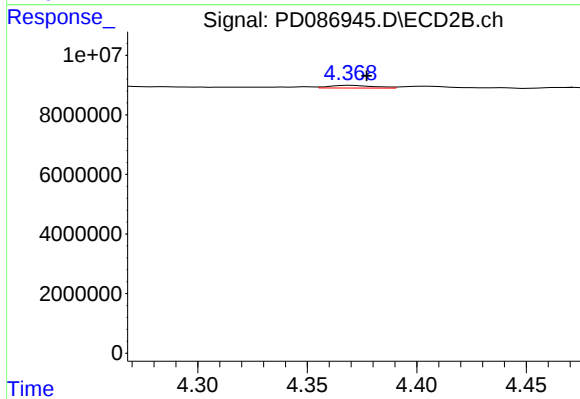
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 178166236
Conc: 10.61 ng/ml



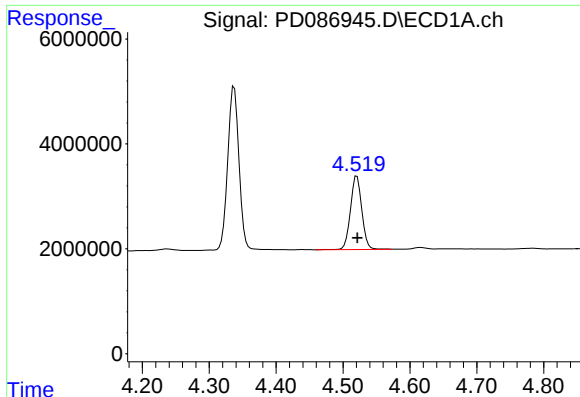
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.280 min
Response: 0
Conc: N.D.



#5 Aldrin

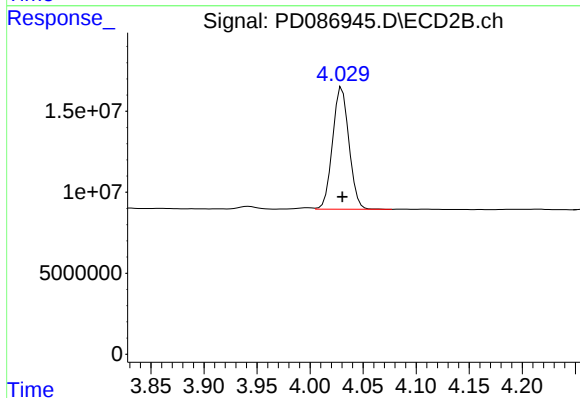
R.T.: 4.370 min
Delta R.T.: -0.007 min
Response: 1290468
Conc: 0.08 ng/ml



#6 beta-BHC

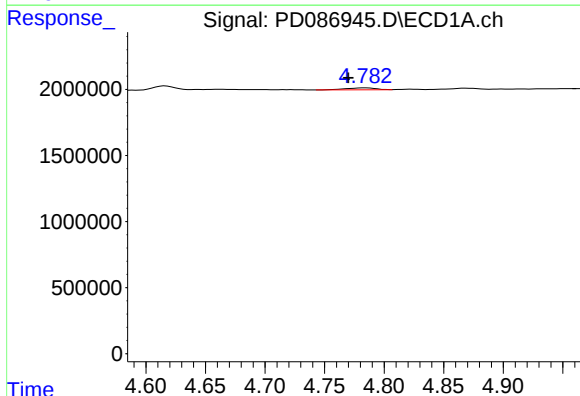
R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 16665842
Conc: 10.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



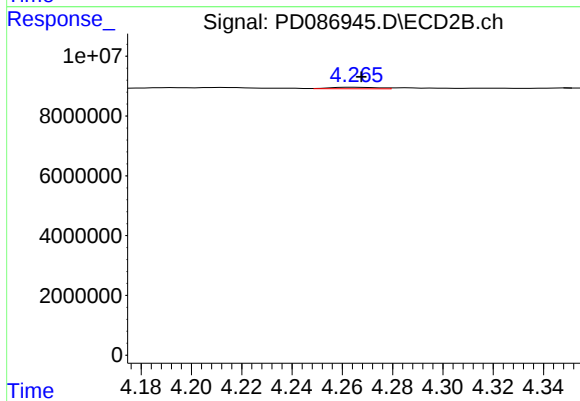
#6 beta-BHC

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 81282986
Conc: 11.35 ng/ml



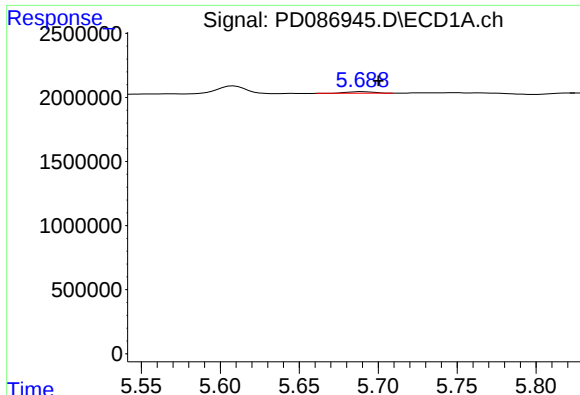
#7 delta-BHC

R.T.: 4.784 min
Delta R.T.: 0.014 min
Response: 264371
Conc: 0.06 ng/ml



#7 delta-BHC

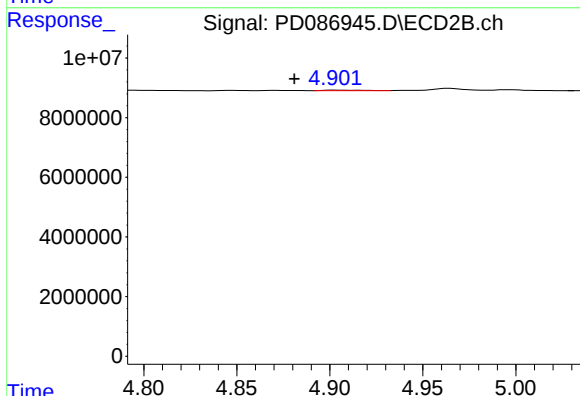
R.T.: 4.266 min
Delta R.T.: -0.002 min
Response: 655108
Conc: 0.04 ng/ml



#8 Heptachlor epoxide

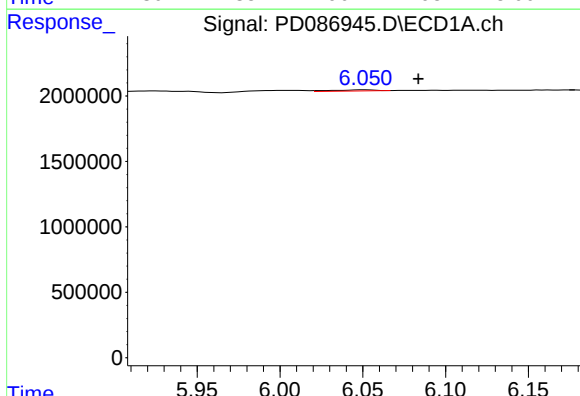
R.T.: 5.690 min
Delta R.T.: -0.010 min
Response: 141188
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



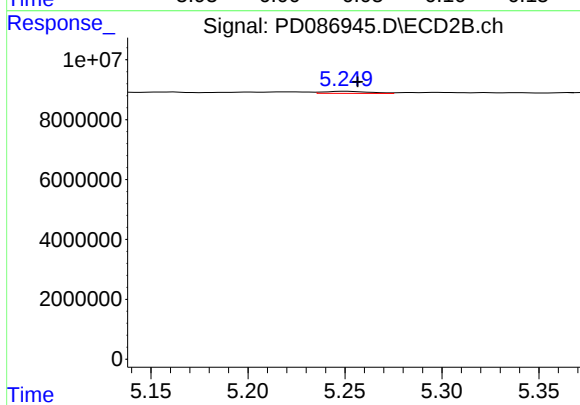
#8 Heptachlor epoxide

R.T.: 4.903 min
Delta R.T.: 0.022 min
Response: 282752
Conc: 0.02 ng/ml



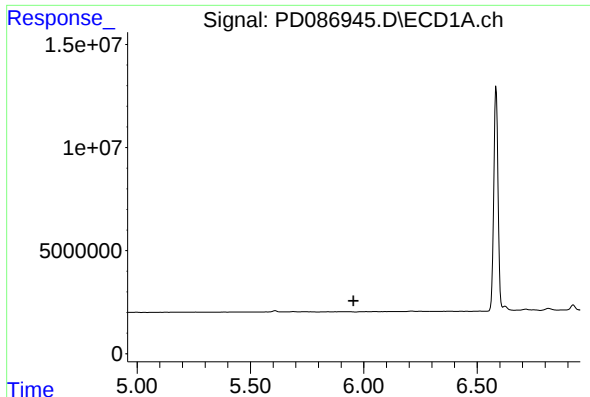
#9 Endosulfan I

R.T.: 6.051 min
Delta R.T.: -0.032 min
Response: 165556
Conc: 0.05 ng/ml



#9 Endosulfan I

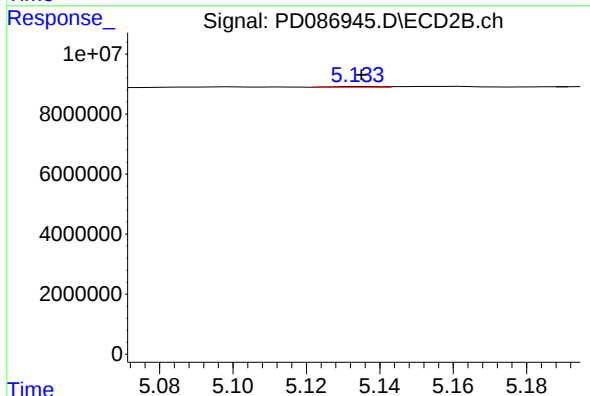
R.T.: 5.251 min
Delta R.T.: -0.006 min
Response: 1107057
Conc: 0.08 ng/ml



#10 gamma-Chlordane

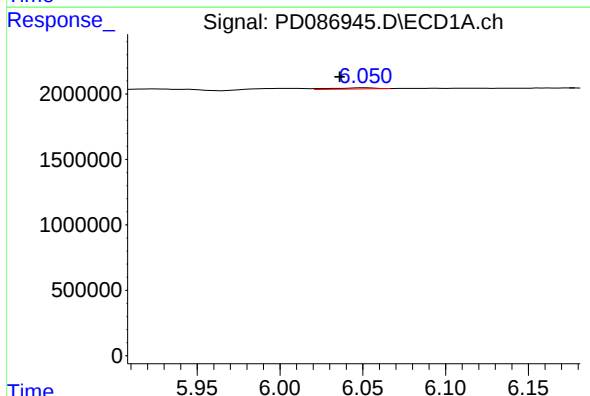
R.T.: 0.000 min
Exp R.T.: 5.955 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



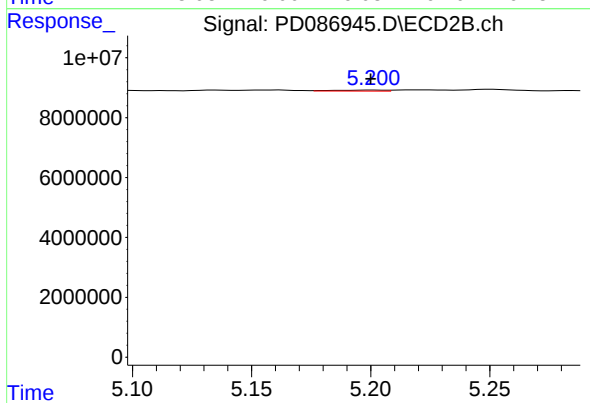
#10 gamma-Chlordane

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 227266
Conc: 0.01 ng/ml



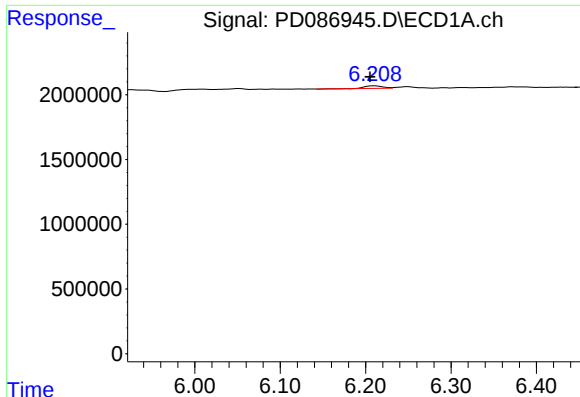
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: 0.016 min
Response: 165556
Conc: 0.05 ng/ml



#11 alpha-Chlordane

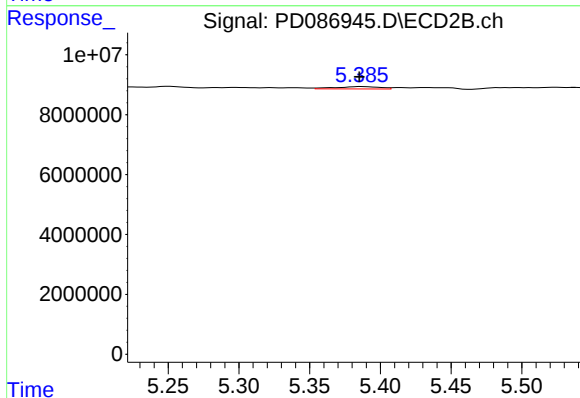
R.T.: 5.201 min
Delta R.T.: 0.001 min
Response: 525189
Conc: 0.03 ng/ml



#12 4,4'-DDE

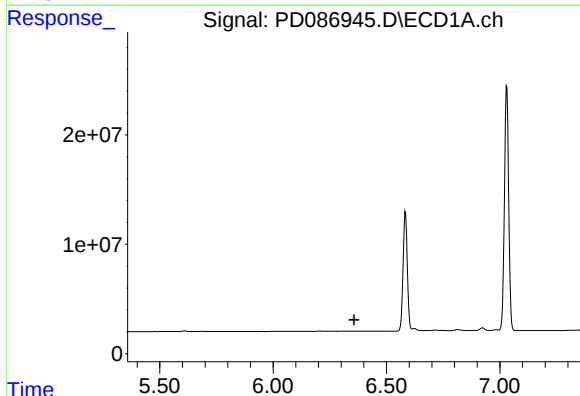
R.T.: 6.210 min
Delta R.T.: 0.005 min
Response: 281717
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



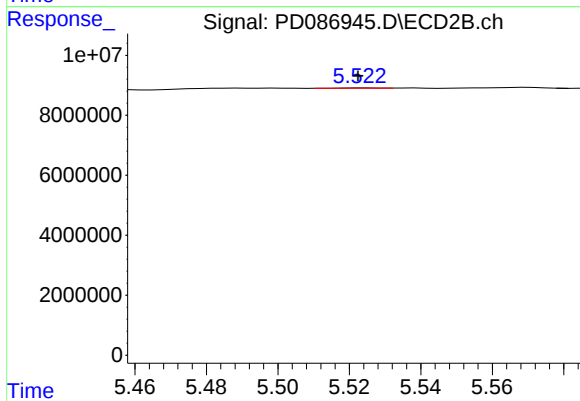
#12 4,4'-DDE

R.T.: 5.386 min
Delta R.T.: 0.001 min
Response: 1670166
Conc: 0.11 ng/ml



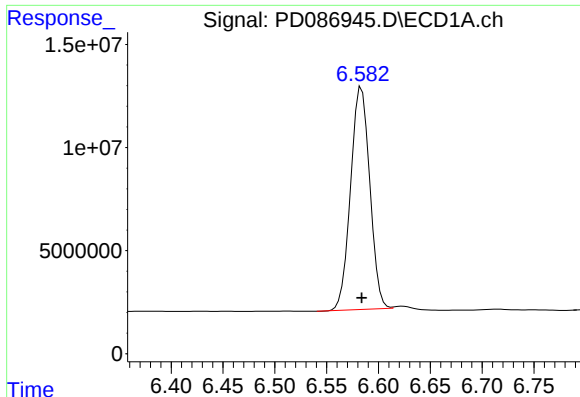
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.357 min
Response: 0
Conc: N.D.



#13 Dieldrin

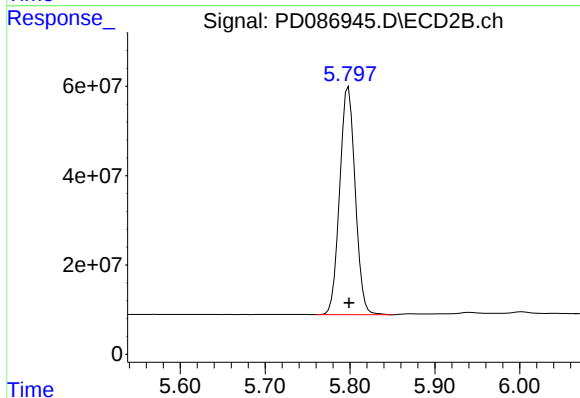
R.T.: 5.524 min
Delta R.T.: 0.001 min
Response: 112512
Conc: 0.01 ng/ml



#14 Endrin

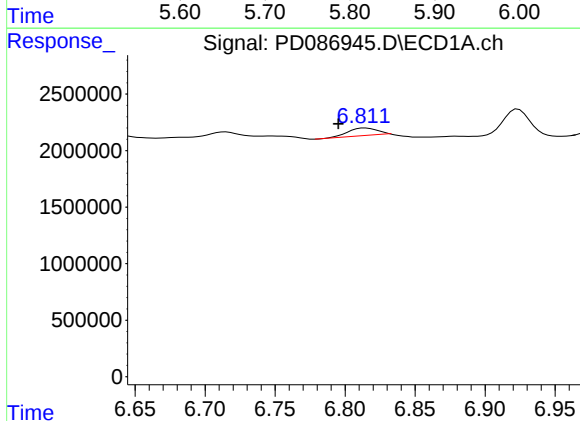
R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 138997277
Conc: 45.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



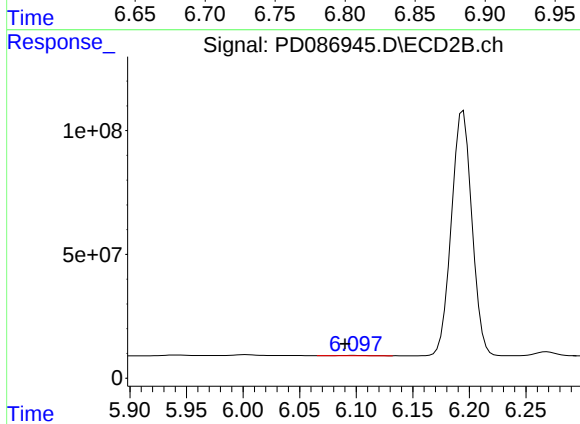
#14 Endrin

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 647435177
Conc: 46.28 ng/ml



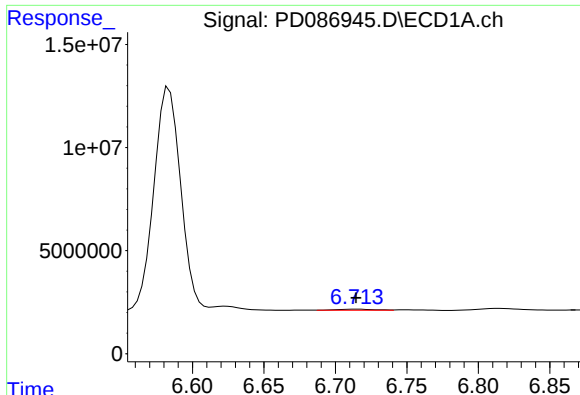
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: 0.019 min
Response: 960944
Conc: 0.32 ng/ml



#15 Endosulfan II

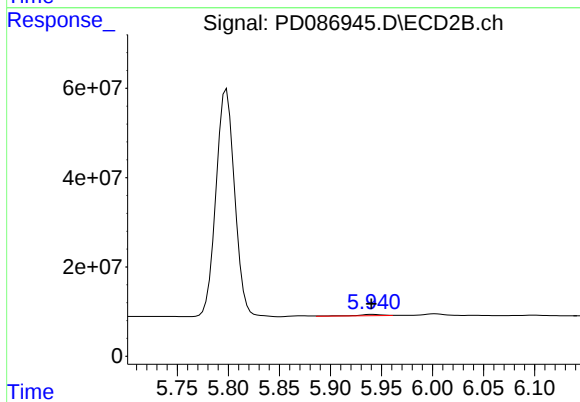
R.T.: 6.098 min
Delta R.T.: 0.008 min
Response: 1680748
Conc: 0.12 ng/ml



#16 4,4'-DDD

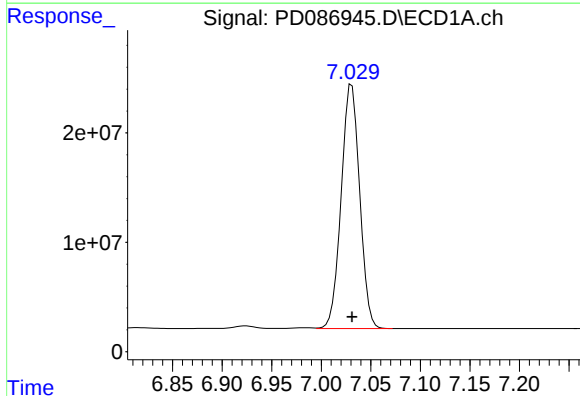
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1036377
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



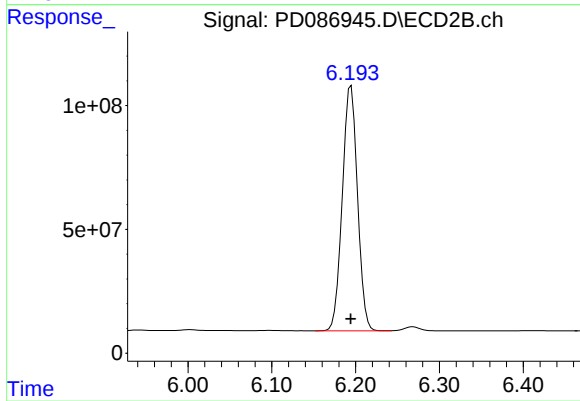
#16 4,4'-DDD

R.T.: 5.941 min
Delta R.T.: 0.001 min
Response: 4921823
Conc: 0.39 ng/ml



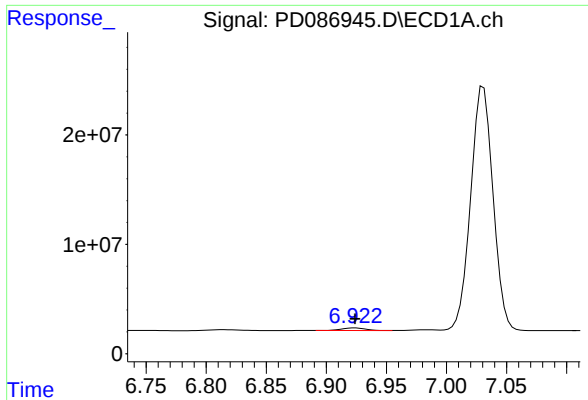
#17 4,4'-DDT

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 289843343
Conc: 102.60 ng/ml



#17 4,4'-DDT

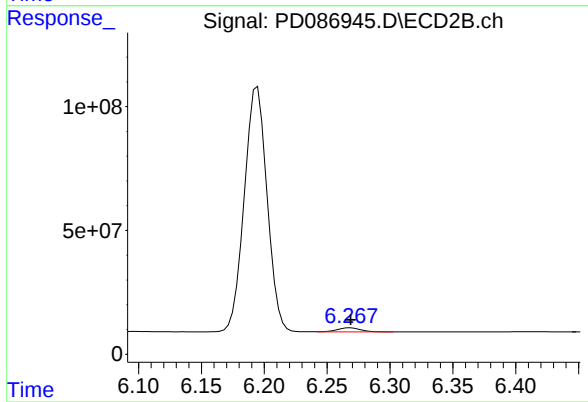
R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 1248459342
Conc: 93.63 ng/ml



#18 Endrin aldehyde

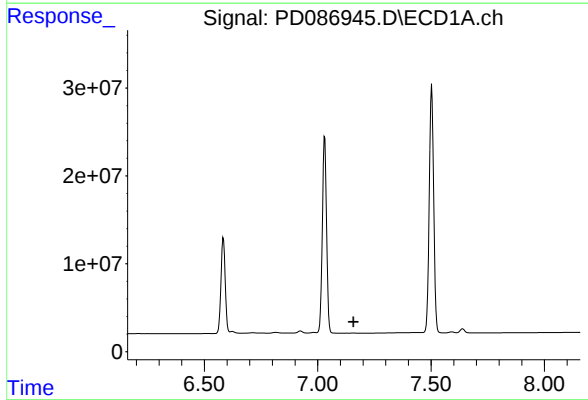
R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 3281809
Conc: 1.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



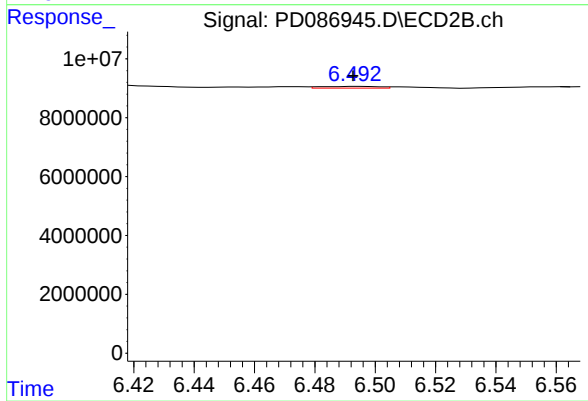
#18 Endrin aldehyde

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 20413104
Conc: 1.84 ng/ml



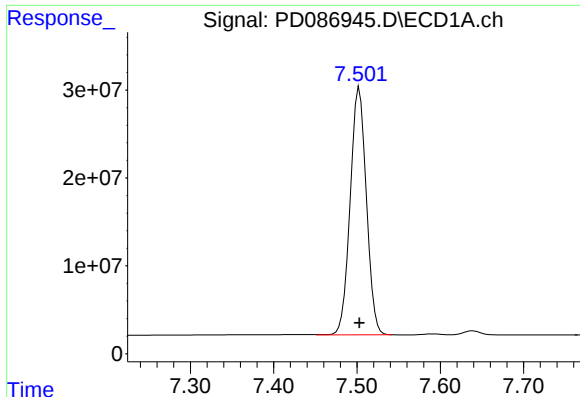
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.158 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

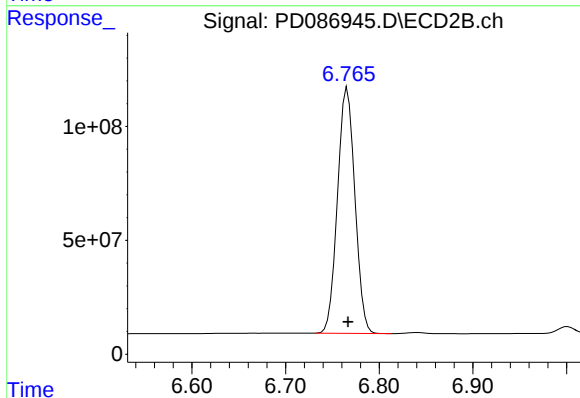
R.T.: 6.494 min
Delta R.T.: 0.001 min
Response: 782958
Conc: 0.06 ng/ml



#20 Methoxychlor

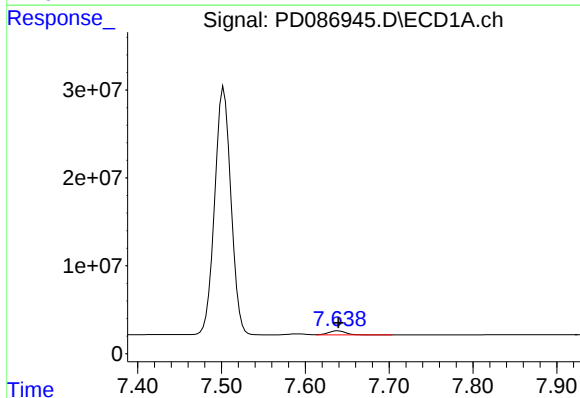
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 379137929
Conc: 237.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



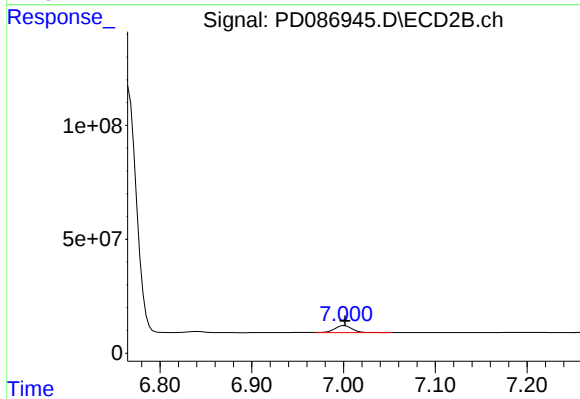
#20 Methoxychlor

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 1394480011
Conc: 194.40 ng/ml



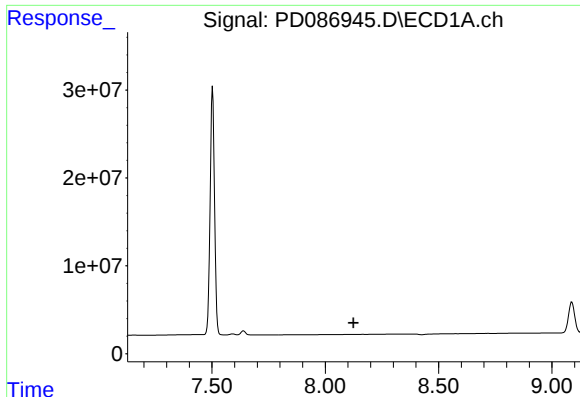
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 6424480
Conc: 1.98 ng/ml



#21 Endrin ketone

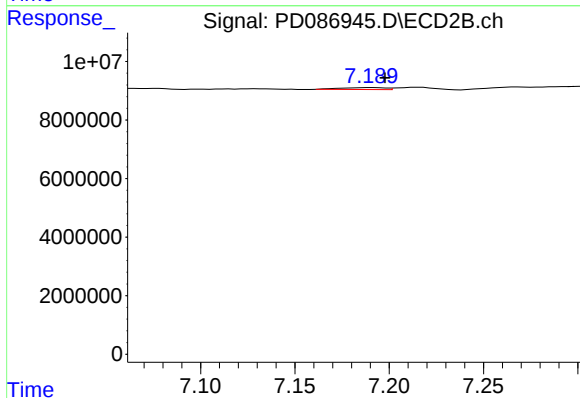
R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 39136716
Conc: 2.60 ng/ml



#22 Mirex

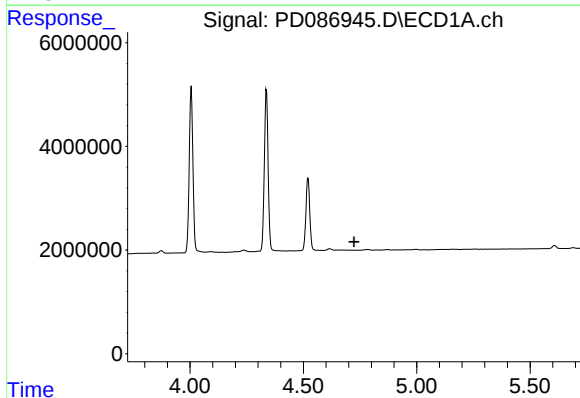
R.T.: 0.000 min
Exp R.T.: 8.125 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



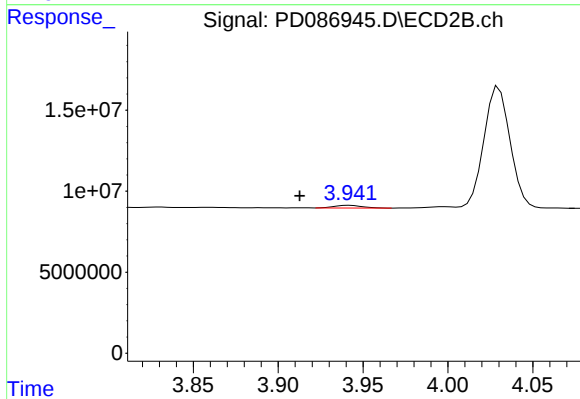
#22 Mirex

R.T.: 7.191 min
Delta R.T.: -0.007 min
Response: 1109790
Conc: 0.09 ng/ml



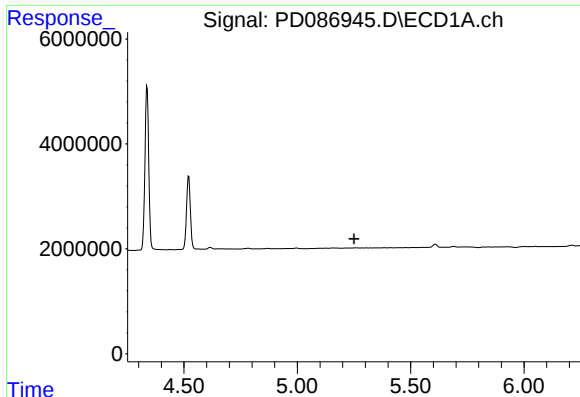
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.724 min
Response: 0
Conc: N.D.



#23 Chlordane-1

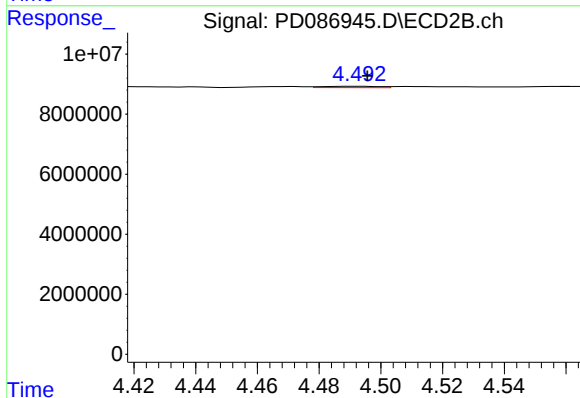
R.T.: 3.942 min
Delta R.T.: 0.030 min
Response: 1897836
Conc: 3.65 ng/ml



#24 Chlordane-2

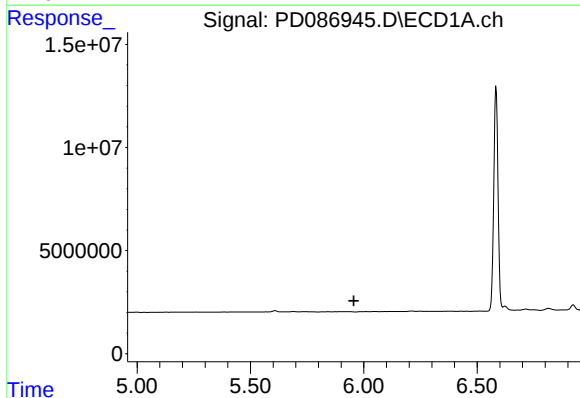
R.T.: 0.000 min
Exp R.T.: 5.250 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



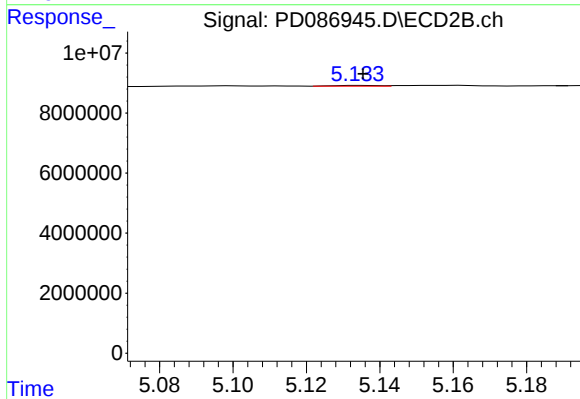
#24 Chlordane-2

R.T.: 4.493 min
Delta R.T.: -0.002 min
Response: 570665
Conc: 1.02 ng/ml



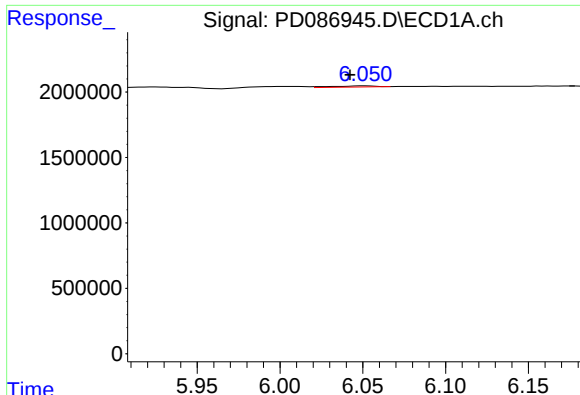
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.956 min
Response: 0
Conc: N.D.



#25 Chlordane-3

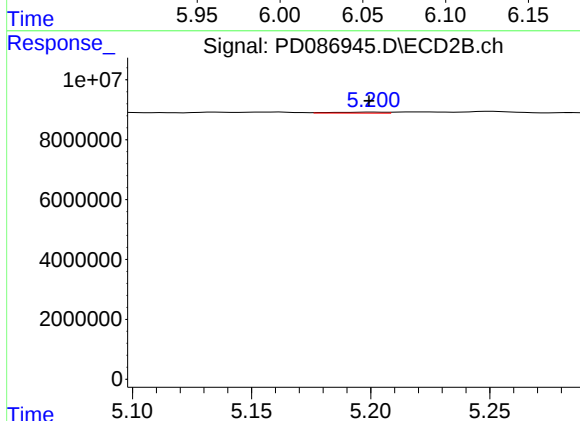
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 227266
Conc: 0.14 ng/ml



#26 Chlordane-4

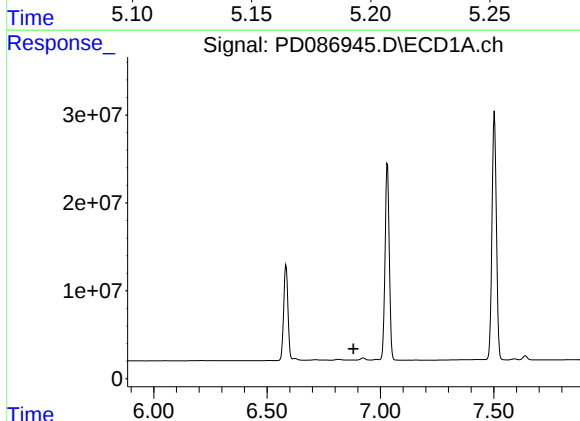
R.T.: 6.051 min
Delta R.T.: 0.009 min
Response: 165556
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



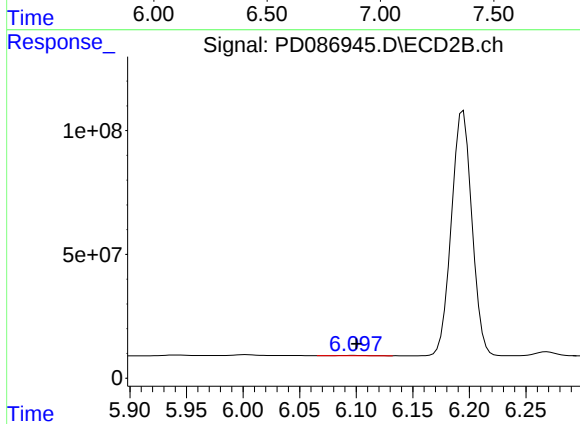
#26 Chlordane-4

R.T.: 5.201 min
Delta R.T.: 0.002 min
Response: 525189
Conc: 0.37 ng/ml



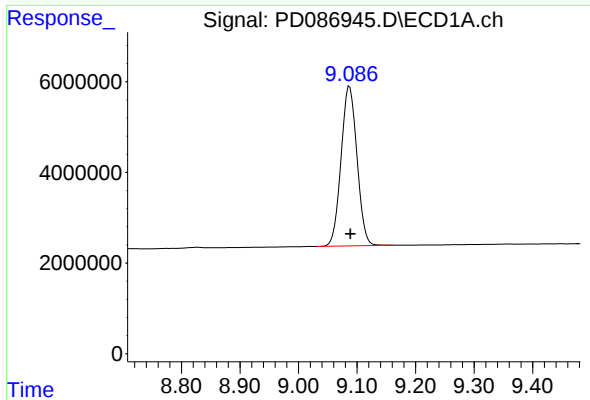
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.882 min
Response: 0
Conc: N.D.



#27 Chlordane-5

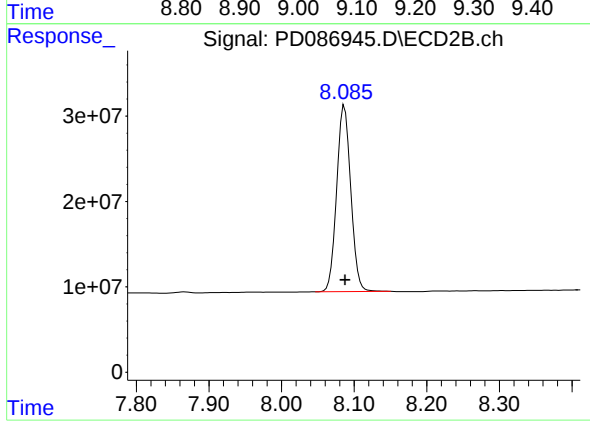
R.T.: 6.098 min
Delta R.T.: -0.002 min
Response: 1680748
Conc: 2.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: -0.001 min
Response: 66521357
Conc: 20.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 295049017
Conc: 21.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
 Data File : PD086951.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Nov 2024 12:24
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 27 12:39:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 12:39:33 2024
 Response via : Initial 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...	3.557	2.884	9360107	59612628	4.681	5.208
2) SA Decachlor...	9.089	8.087	16096327	75493547	5.060	5.418
Target Compounds						
2) A alpha-BHC	4.007	3.398	15247551	85767912	3.789	4.867 #
3) MA gamma-BHC...	4.338	3.735	15737158	83613122	3.946	4.978 #
4) MA Heptachlor	4.939	4.090	16462870	84491593	4.193	5.198
5) MB Aldrin	5.280	4.377	16930510	84962774	4.154	5.082
6) B beta-BHC	4.522	4.031	7729178	37724525	4.901	5.267
7) B delta-BHC	4.770	4.267	15861489	84373097	3.891	4.962 #
8) B Heptachlo...	5.700	4.881	15790286	80605321	4.370	5.309
9) A Endosulfan I	6.084	5.257	14908335	74778936	4.443	5.267
10) B gamma-Chl...	5.955	5.135	15014523	79897810	4.250	5.136
11) B alpha-Chl...	6.037	5.200	15631187	79857491	4.375	5.226
12) B 4,4'-DDE	6.206	5.385	13263723	75873547	4.077	5.033
13) MA Dieldrin	6.357	5.522	15199644	79163855	4.207	5.084
14) MA Endrin	6.584	5.799	12647018	77004279	4.180	5.498 #
15) B Endosulfa...	6.795	6.090	13100144	73478873	4.383	5.338
16) A 4,4'-DDD	6.714	5.940	10983205	66347879	4.225	5.277
17) MA 4,4'-DDT	7.031	6.195	11471220	66140116	4.061	4.960
18) B Endrin al...	6.924	6.268	11327386	59347295	4.634	5.350
19) B Endosulfa...	7.158	6.493	13191512	71807682	4.533	5.307
20) A Methoxychlor	7.503	6.767	7520887	38080698	4.703	5.309
21) B Endrin ke...	7.640	7.002	14371253	79673354	4.428	5.286
22) Mirex	8.125	7.198	12395501	67928842	4.968	5.509

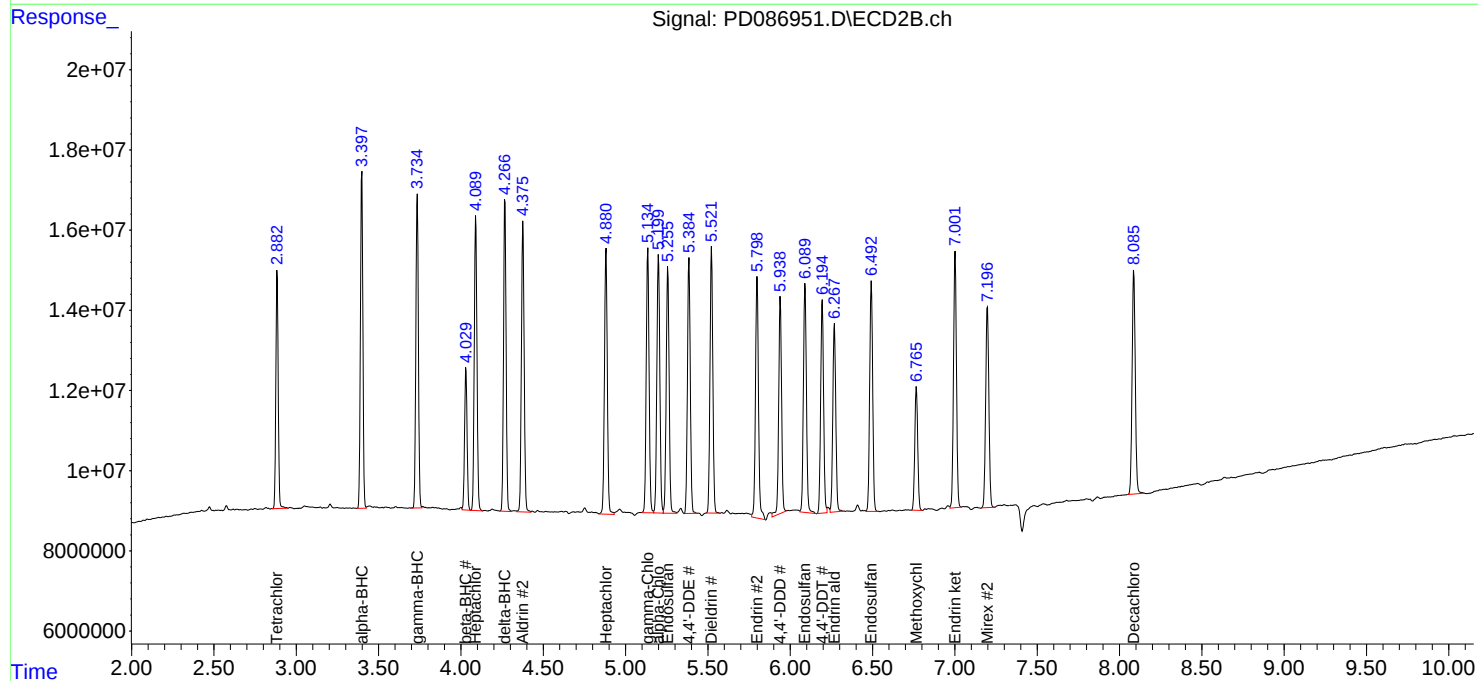
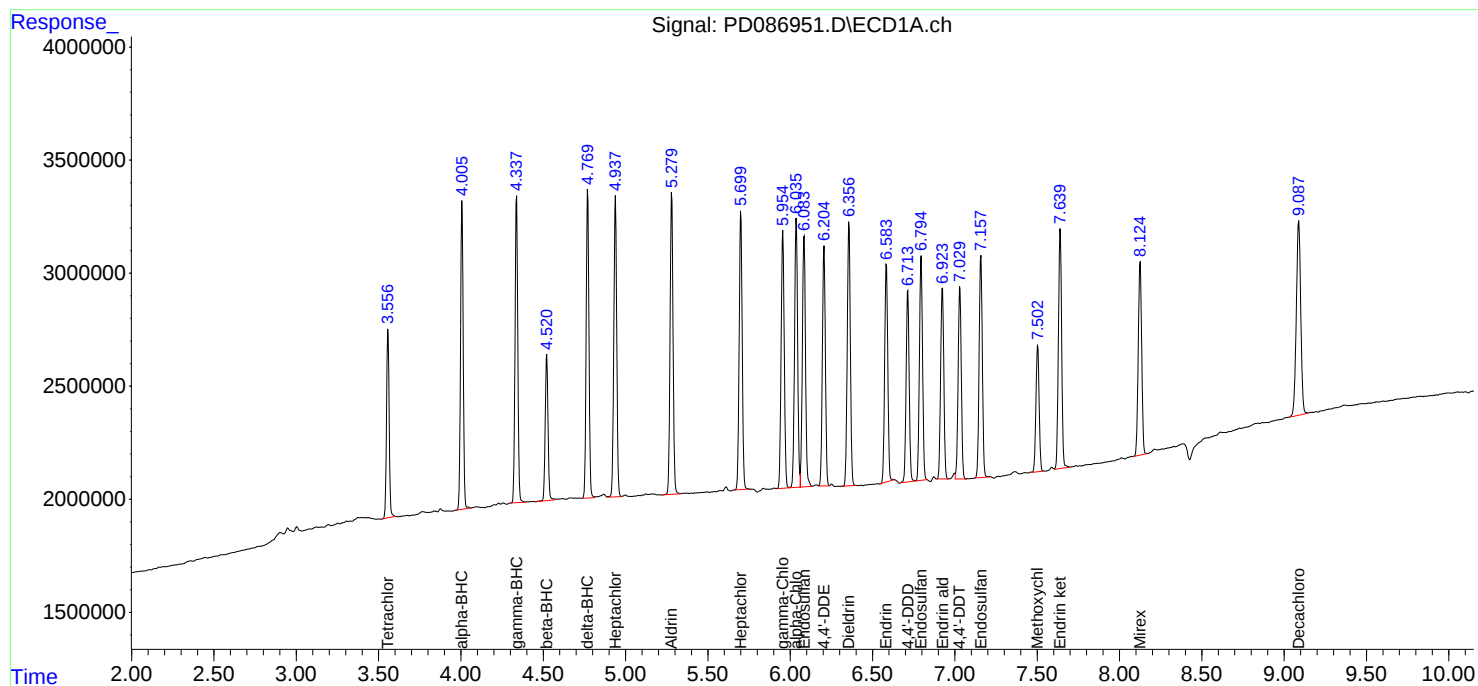
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

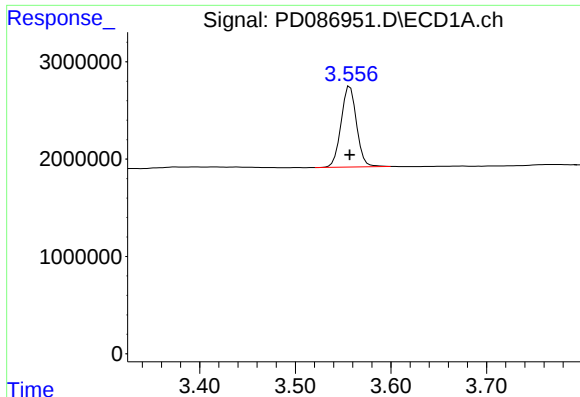
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 12:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 12:39:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 12:39:33 2024
Response via : Initial 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

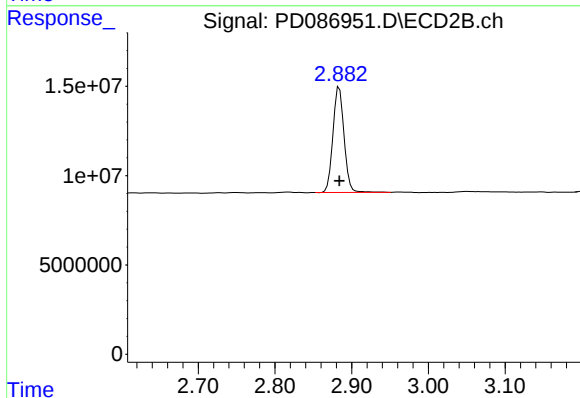




#1 Tetrachloro-m-xylene

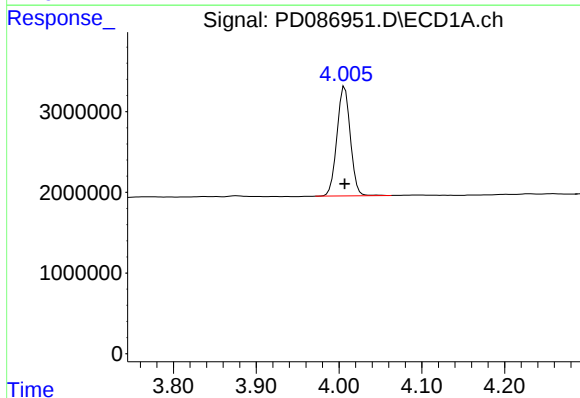
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 9360107
Conc: 4.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



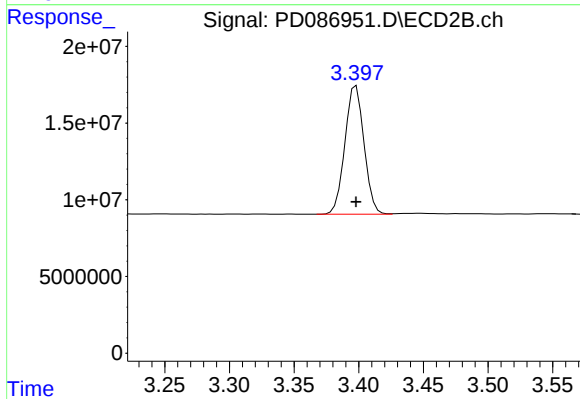
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 59612628
Conc: 5.21 ng/ml



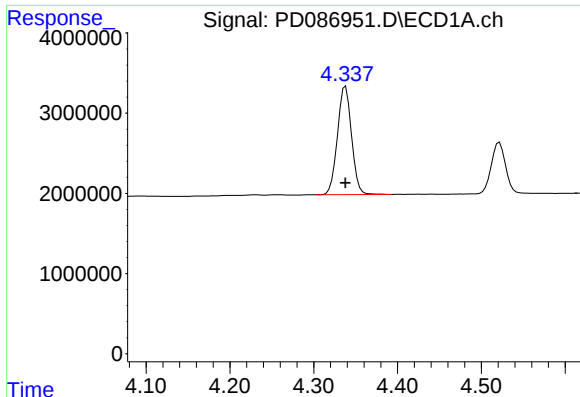
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 15247551
Conc: 3.79 ng/ml



#2 alpha-BHC

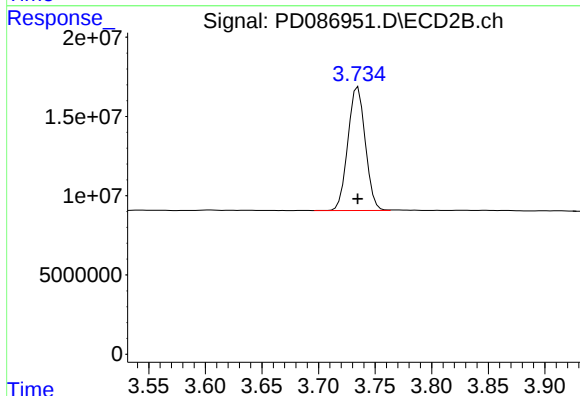
R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 85767912
Conc: 4.87 ng/ml



#3 gamma-BHC (Lindane)

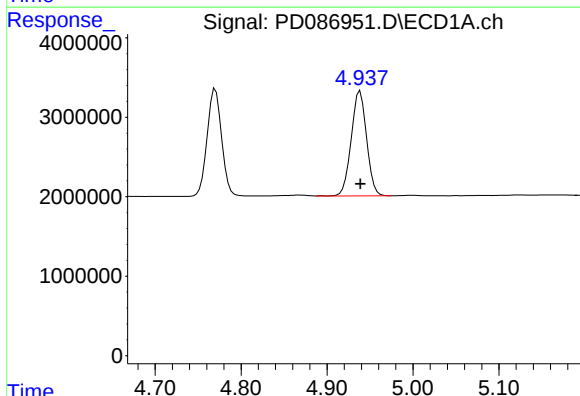
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 15737158
Conc: 3.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



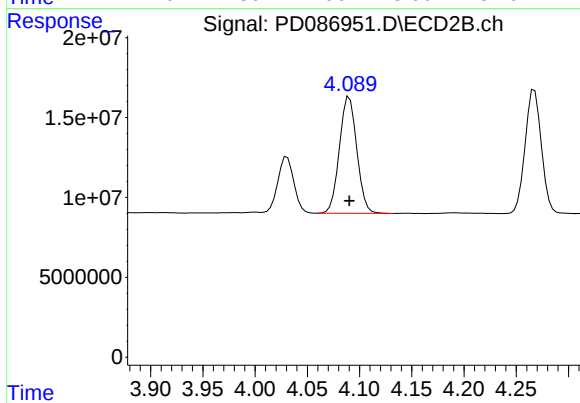
#3 gamma-BHC (Lindane)

R.T.: 3.735 min
Delta R.T.: 0.000 min
Response: 83613122
Conc: 4.98 ng/ml



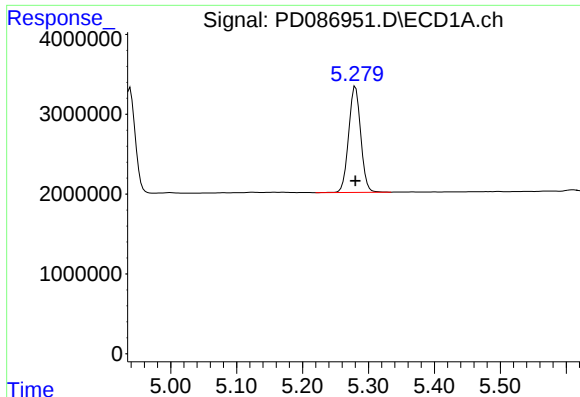
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 16462870
Conc: 4.19 ng/ml



#4 Heptachlor

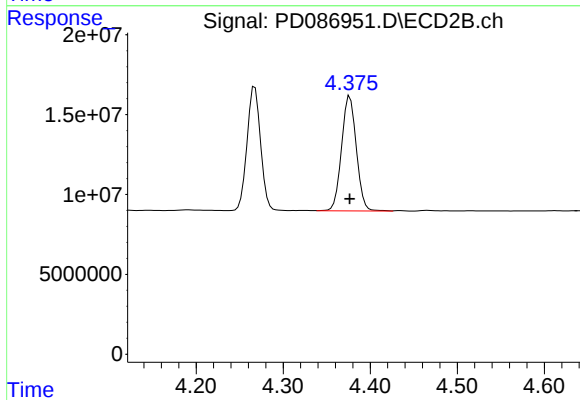
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 84491593
Conc: 5.20 ng/ml



#5 Aldrin

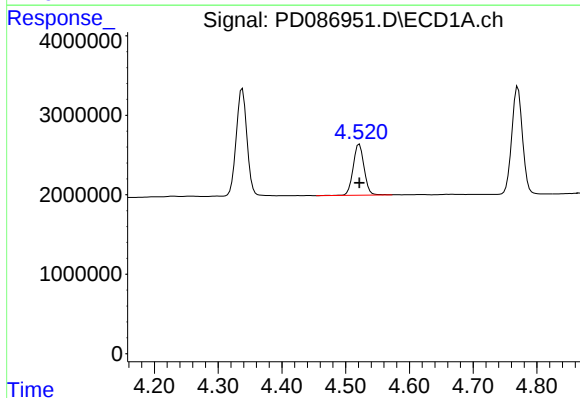
R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 16930510
Conc: 4.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



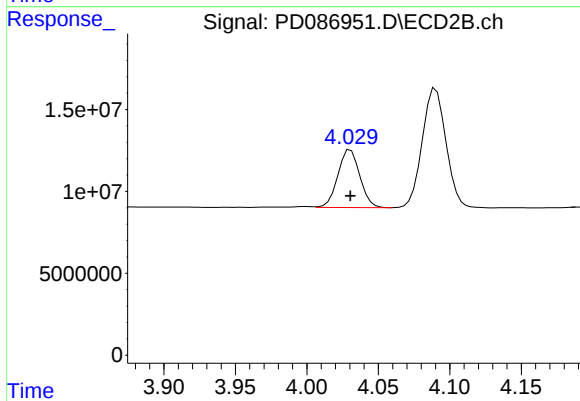
#5 Aldrin

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 84962774
Conc: 5.08 ng/ml



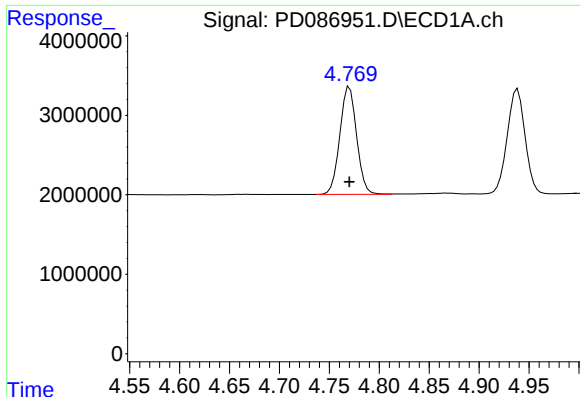
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 7729178
Conc: 4.90 ng/ml



#6 beta-BHC

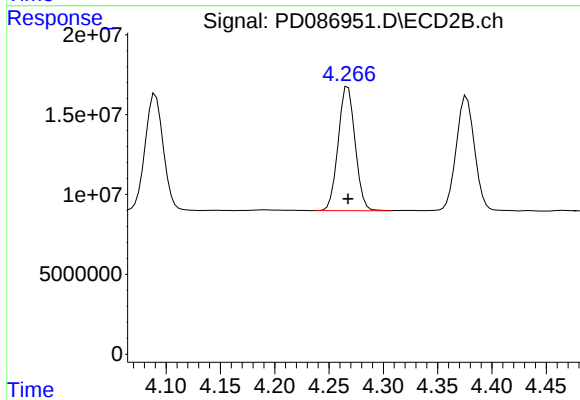
R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 37724525
Conc: 5.27 ng/ml



#7 delta-BHC

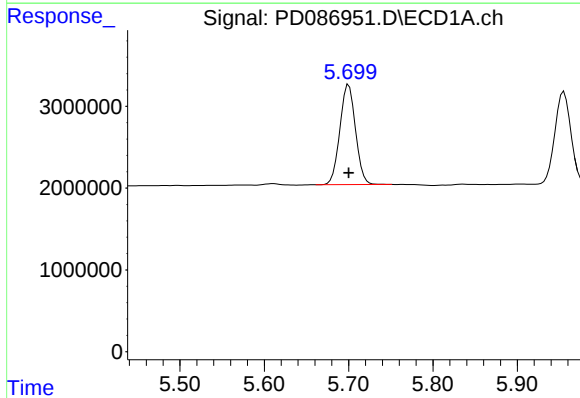
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 15861489
Conc: 3.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



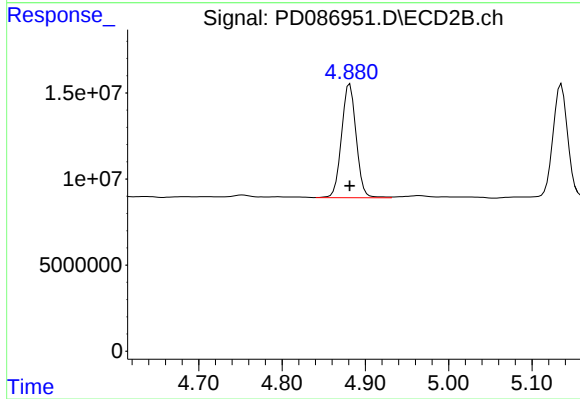
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 84373097
Conc: 4.96 ng/ml



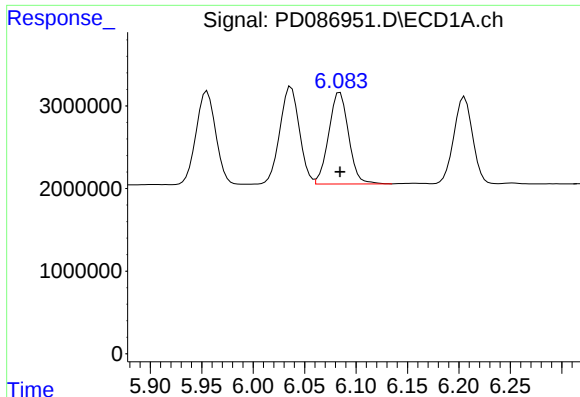
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 15790286
Conc: 4.37 ng/ml



#8 Heptachlor epoxide

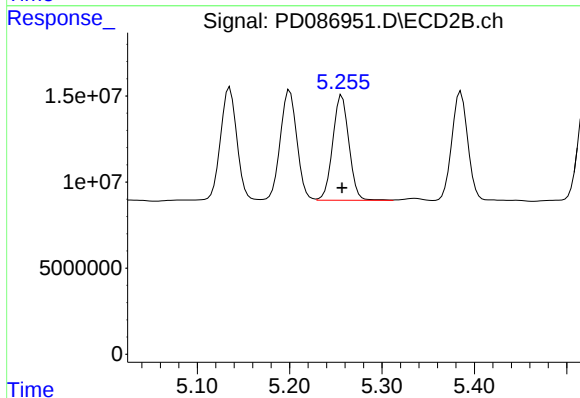
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 80605321
Conc: 5.31 ng/ml



#9 Endosulfan I

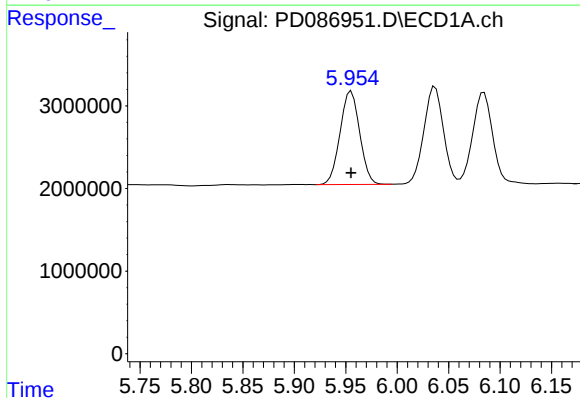
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 14908335
Conc: 4.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



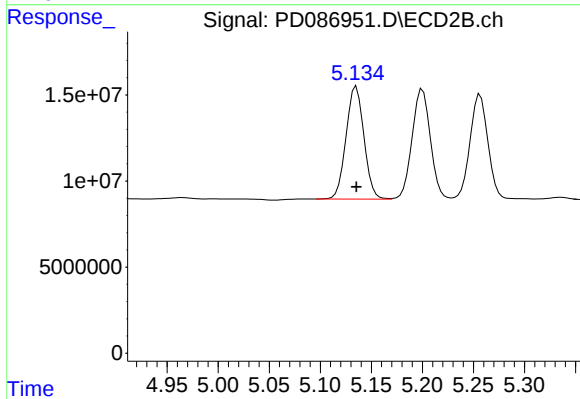
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 74778936
Conc: 5.27 ng/ml



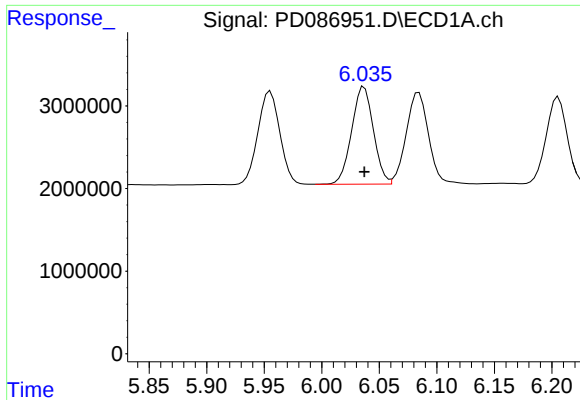
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 15014523
Conc: 4.25 ng/ml



#10 gamma-Chlordane

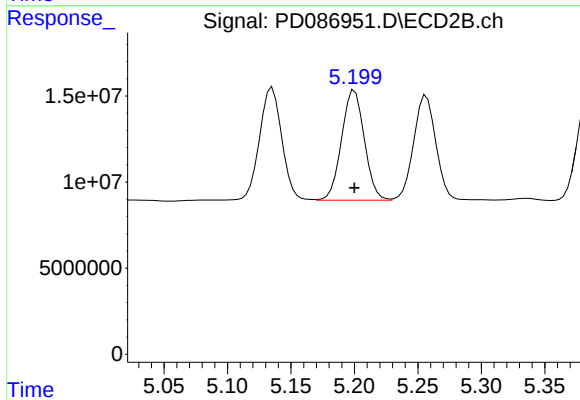
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 79897810
Conc: 5.14 ng/ml



#11 alpha-Chlordane

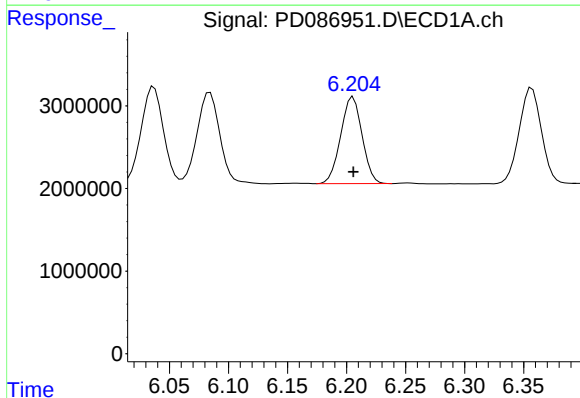
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 15631187
Conc: 4.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



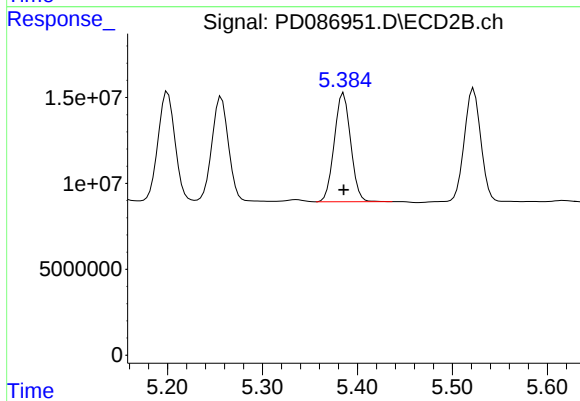
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 79857491
Conc: 5.23 ng/ml



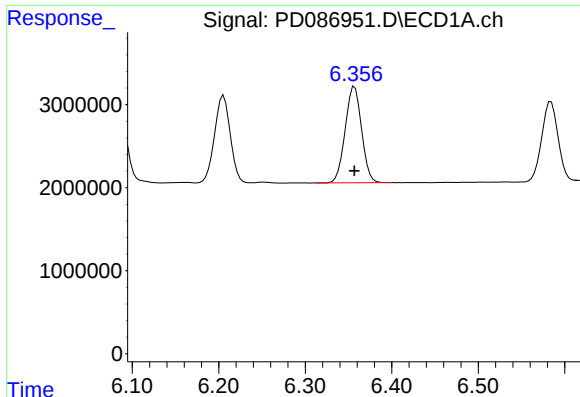
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 13263723
Conc: 4.08 ng/ml



#12 4,4'-DDE

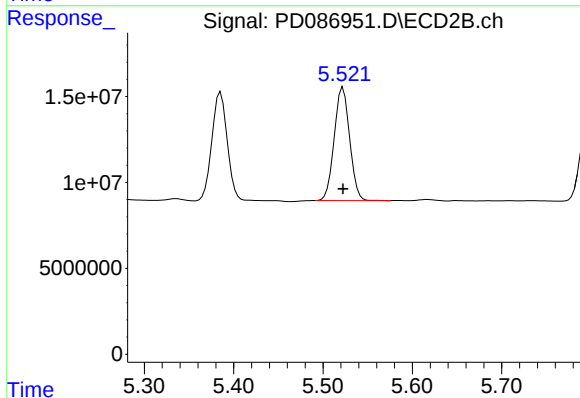
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 75873547
Conc: 5.03 ng/ml



#13 Dieldrin

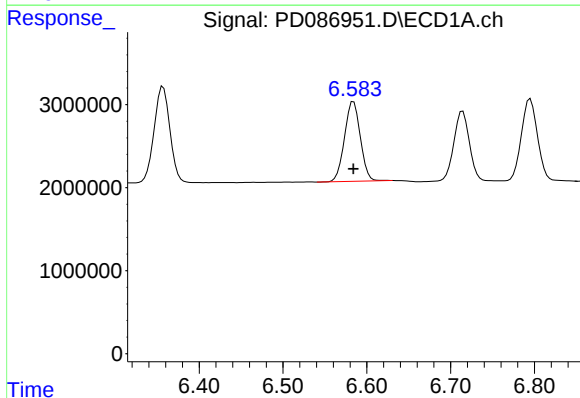
R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 15199644
Conc: 4.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



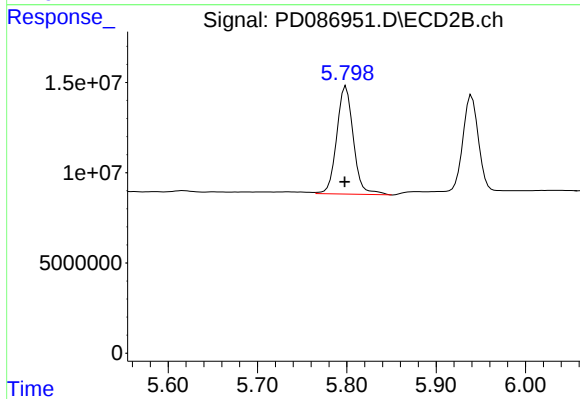
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 79163855
Conc: 5.08 ng/ml



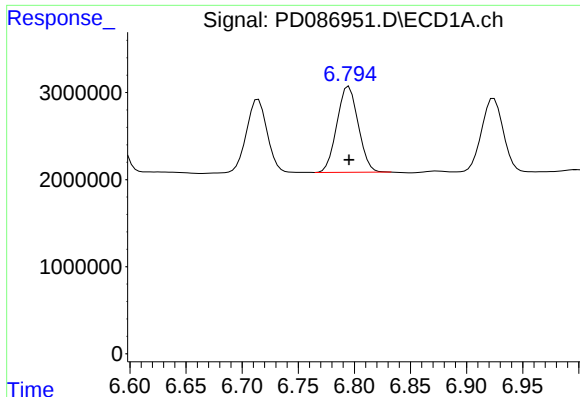
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 12647018
Conc: 4.18 ng/ml



#14 Endrin

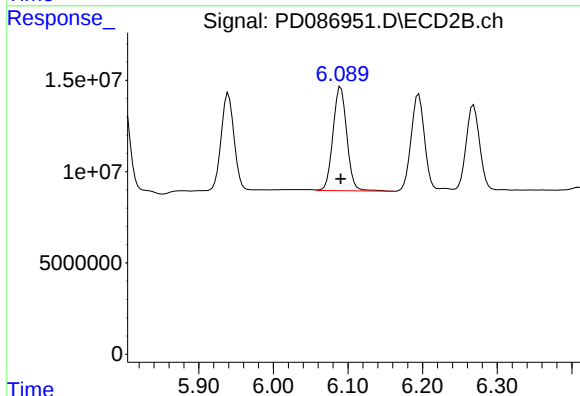
R.T.: 5.799 min
Delta R.T.: 0.001 min
Response: 77004279
Conc: 5.50 ng/ml



#15 Endosulfan II

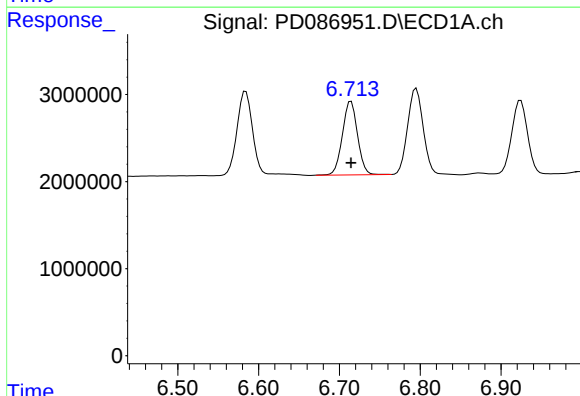
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 13100144
Conc: 4.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



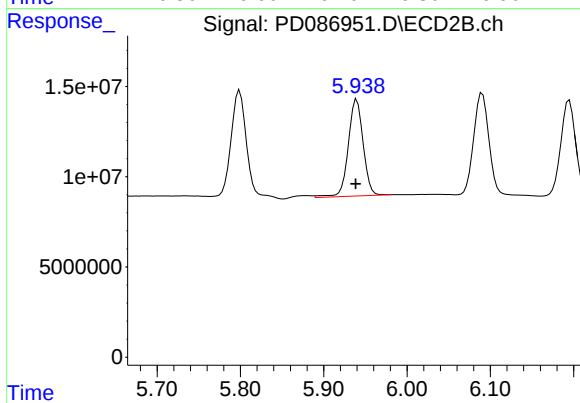
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 73478873
Conc: 5.34 ng/ml



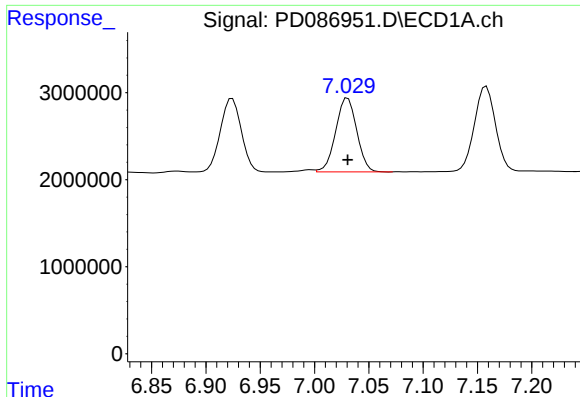
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 10983205
Conc: 4.22 ng/ml



#16 4,4'-DDD

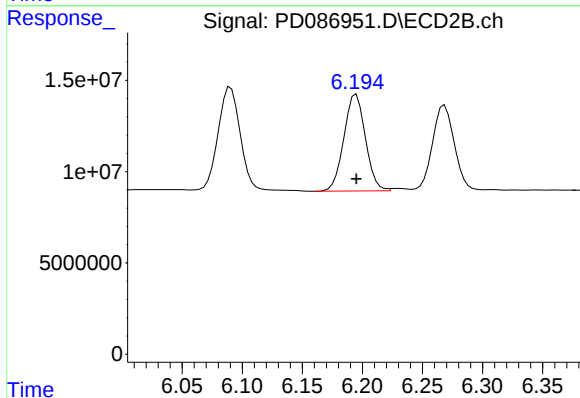
R.T.: 5.940 min
Delta R.T.: 0.001 min
Response: 66347879
Conc: 5.28 ng/ml



#17 4,4'-DDT

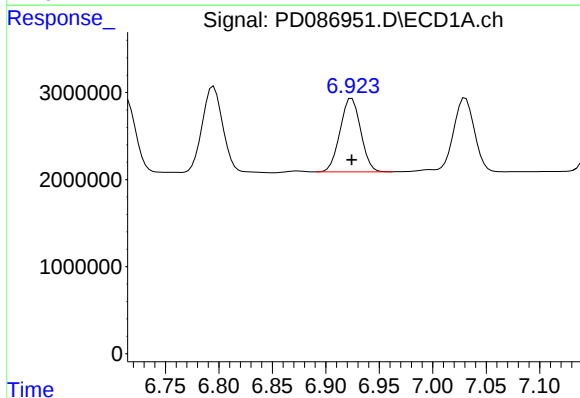
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 11471220
Conc: 4.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



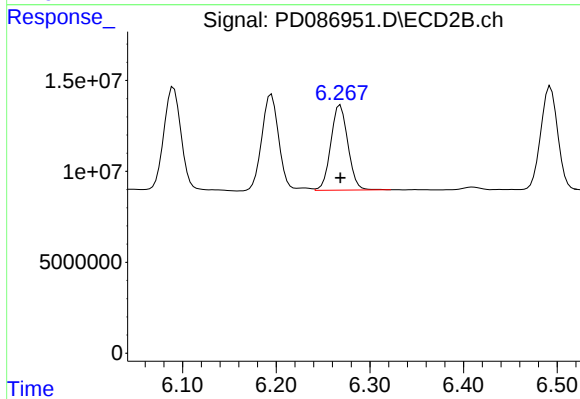
#17 4,4'-DDT

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 66140116
Conc: 4.96 ng/ml



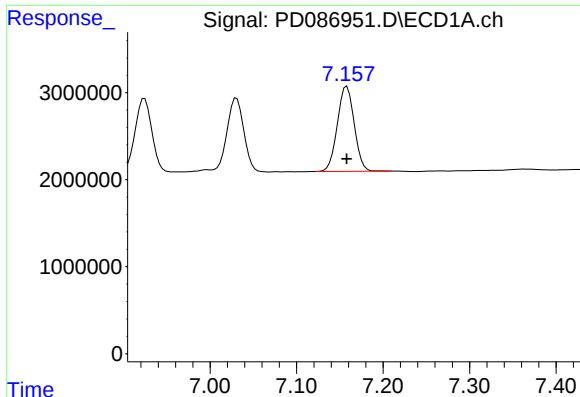
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 11327386
Conc: 4.63 ng/ml



#18 Endrin aldehyde

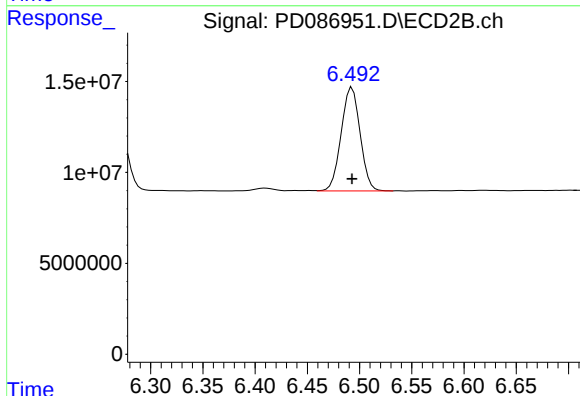
R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 59347295
Conc: 5.35 ng/ml



#19 Endosulfan Sulfate

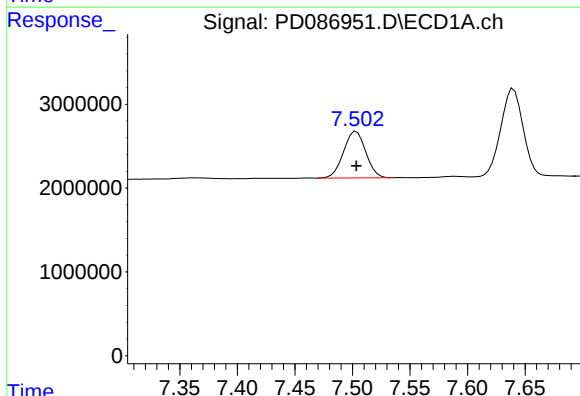
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 13191512
Conc: 4.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



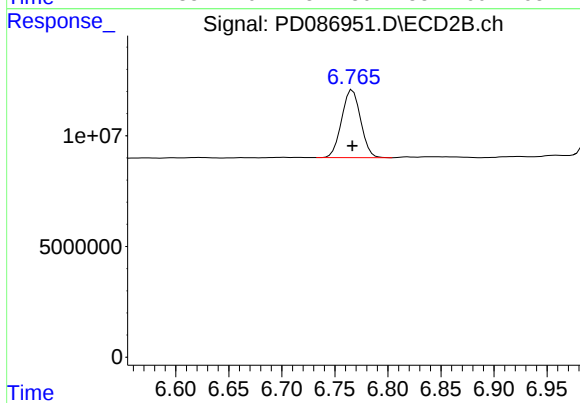
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 71807682
Conc: 5.31 ng/ml



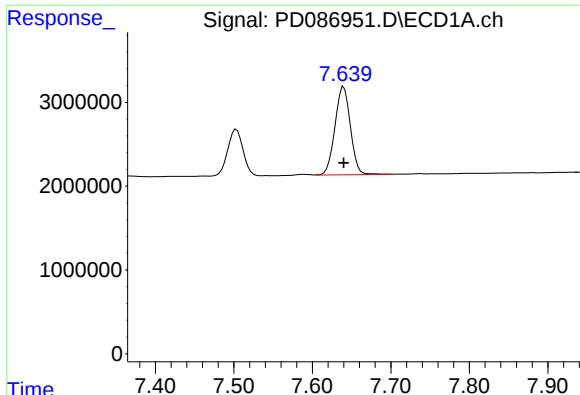
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 7520887
Conc: 4.70 ng/ml



#20 Methoxychlor

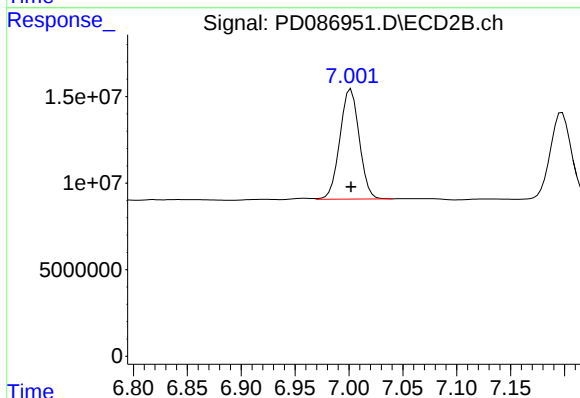
R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 38080698
Conc: 5.31 ng/ml



#21 Endrin ketone

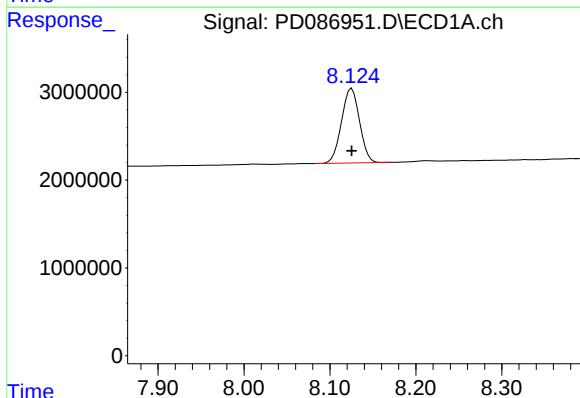
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 14371253
Conc: 4.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



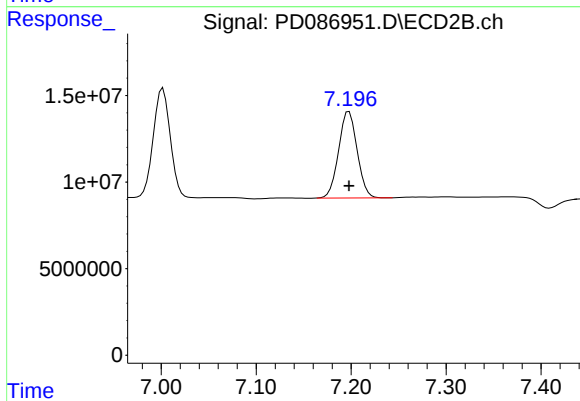
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 79673354
Conc: 5.29 ng/ml



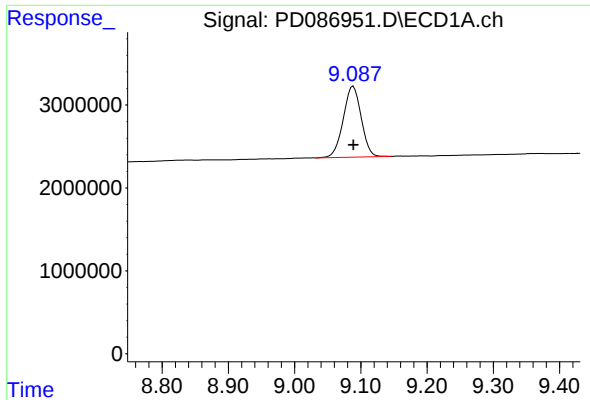
#22 Mirex

R.T.: 8.125 min
Delta R.T.: 0.000 min
Response: 12395501
Conc: 4.97 ng/ml



#22 Mirex

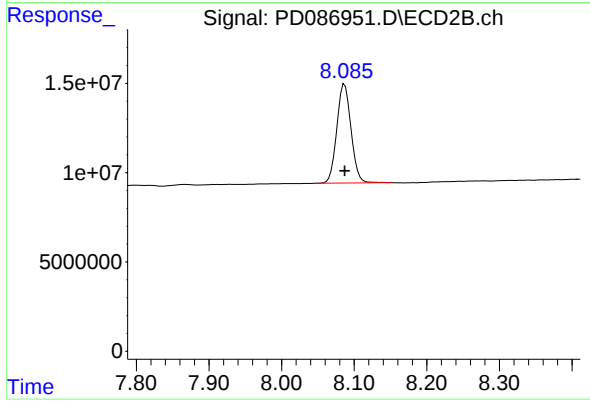
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 67928842
Conc: 5.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 16096327
Conc: 5.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 75493547
Conc: 5.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
 Data File : PD086963.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Nov 2024 15:12
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD112724

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 27 15:44:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:43:38 2024
 Response via : Initial 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...	3.557	2.884	101.8E6	700.7E6	51.952	51.598
28)	SA Decachlor...	9.089	8.088	158.3E6	699.8E6	51.084	50.692
Target Compounds							
2)	A alpha-BHC	4.031f	3.389	4412132	2069629	1.096	0.117 #
3)	MA gamma-BHC...	4.367f	0.000	1799359	0	0.451	N.D. #
4)	MA Heptachlor	4.939	4.090	105.1E6	400.7E6	26.777	24.652
5)	MB Aldrin	5.251f	4.391	73556853	41799831	18.047	2.500 #
6)	B beta-BHC	4.526	4.041	300623	1336262	0.191	0.187
7)	B delta-BHC	4.784	4.271	550001	38668220	0.135	2.274 #
8)	B Heptachlo...	5.681f	0.000	45701804	0	12.647	N.D. #
9)	A Endosulfan I	0.000	5.240f	0	59029178	N.D.	4.158 #
10)	B gamma-Chl...	5.957	5.135	289.9E6	750.9E6	82.046	48.269 #
11)	B alpha-Chl...	6.042	5.200	348.2E6	666.8E6	97.461	43.632 #
12)	B 4,4'-DDE	6.194	5.375	-1050185	22927912	N.D.	1.521
13)	MA Dieldrin	6.365	5.504f	16394536	42192684	4.538	2.710 #
14)	MA Endrin	6.610f	5.800	3169494	70597581	1.047	5.047 #
15)	B Endosulfa...	6.798	6.100	2941270	331.5E6	0.984	24.081 #
16)	A 4,4'-DDD	6.694f	5.933	41845558	9885478	16.097	0.786 #
17)	MA 4,4'-DDT	7.000f	6.192	740567	4262109	0.262	0.320
19)	B Endosulfa...	7.161	6.497	572199	15273983	0.197	1.129 #
20)	A Methoxychlor	7.499	6.774	1375847	3334197	0.860	0.465 #
21)	B Endrin ke...	0.000	6.983f	0	5767652	N.D.	0.383 #
22)	Mirex	8.129	7.203	313403	-122082	0.126	N.D. #
23)	Chlordane-1	4.725	3.912	68119448	269.9E6	533.346	518.701
24)	Chlordane-2	5.251	4.495	73556853	285.9E6	516.974	513.114
25)	Chlordane-3	5.957	5.135	289.9E6	750.9E6	531.251	453.950
26)	Chlordane-4	6.042	5.200	348.2E6	666.8E6	527.809	475.556
27)	Chlordane-5	6.882	6.100	12980933	331.5E6	110.673	517.284 #

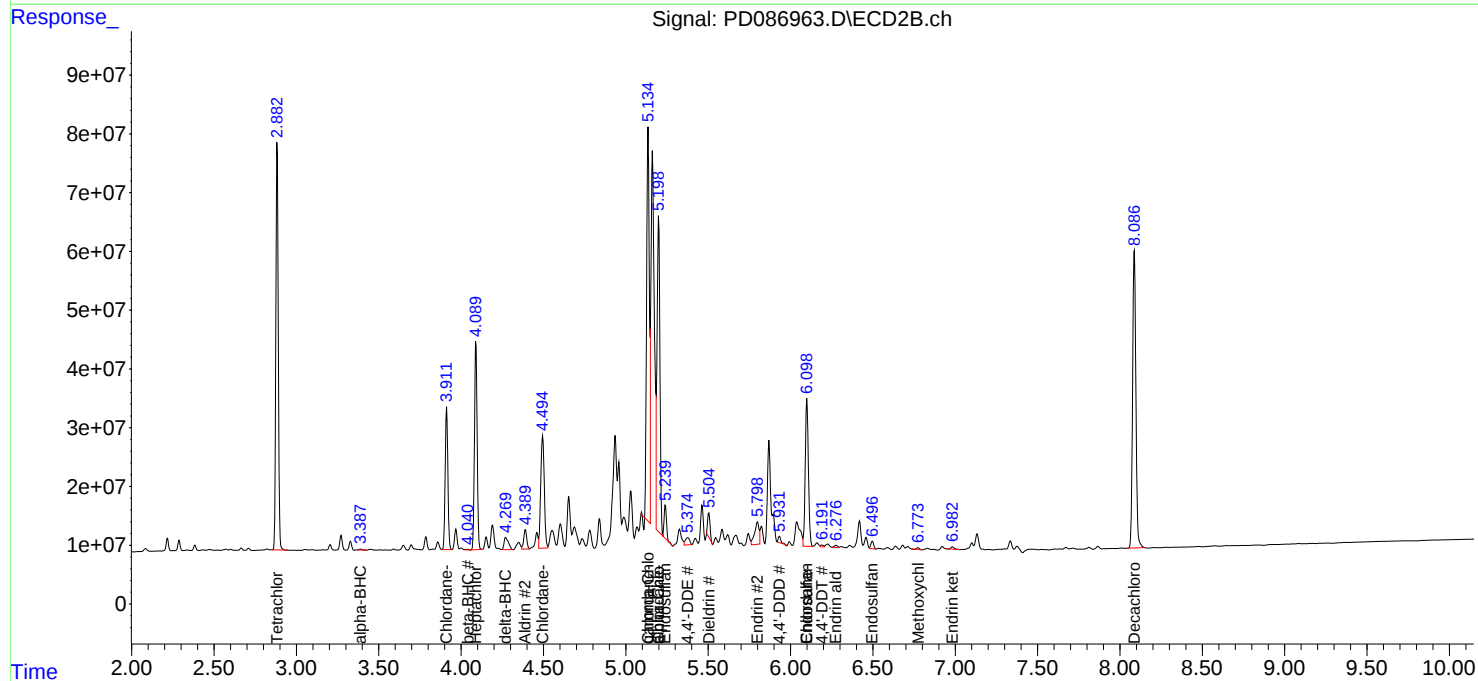
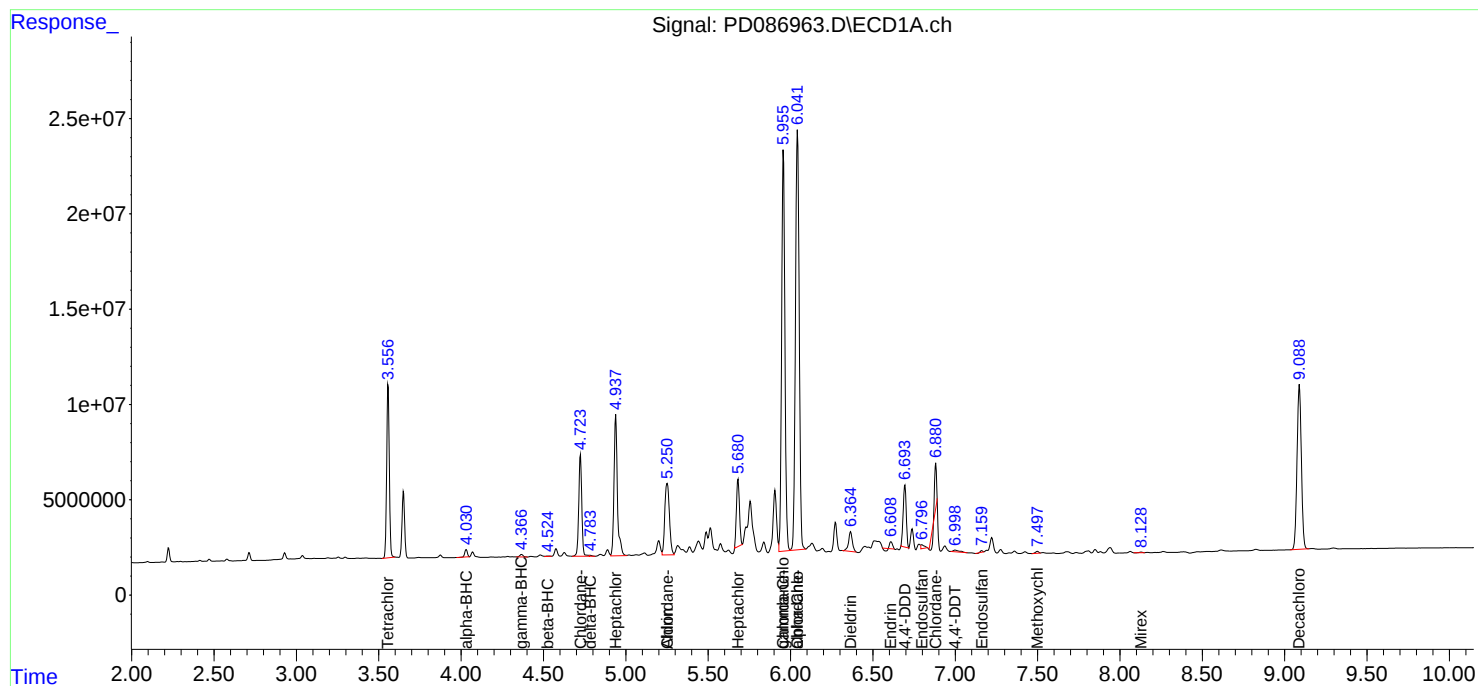
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

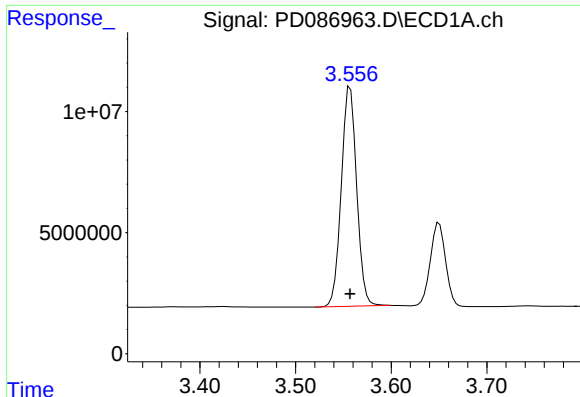
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112724\
Data File : PD086963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Nov 2024 15:12
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD112724

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 15:44:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:43:38 2024
Response via : Initial 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

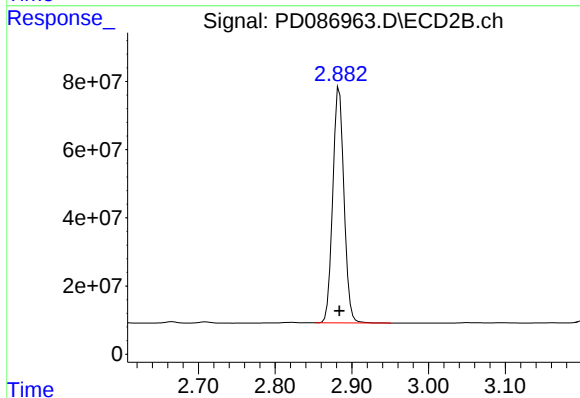




#1 Tetrachloro-m-xylene

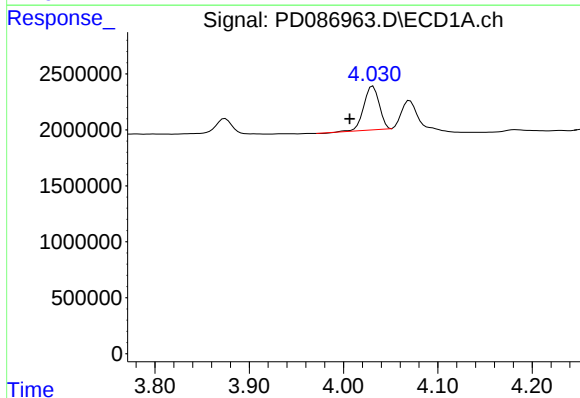
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 101751549
Conc: 51.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



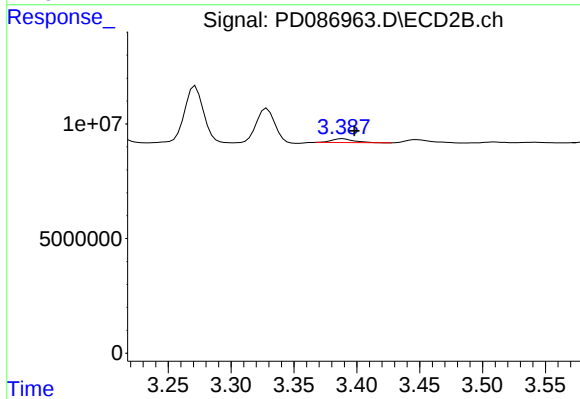
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 700733616
Conc: 51.60 ng/ml



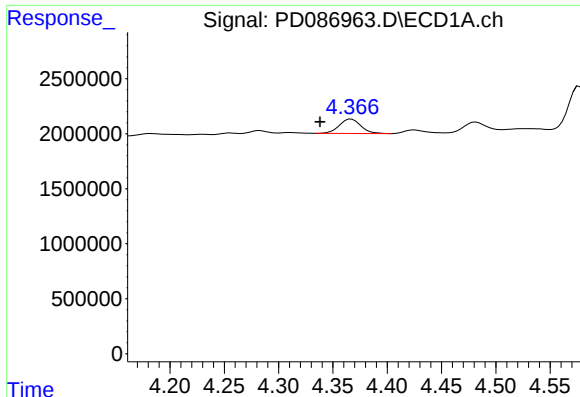
#2 alpha-BHC

R.T.: 4.031 min
Delta R.T.: 0.025 min
Response: 4412132
Conc: 1.10 ng/ml



#2 alpha-BHC

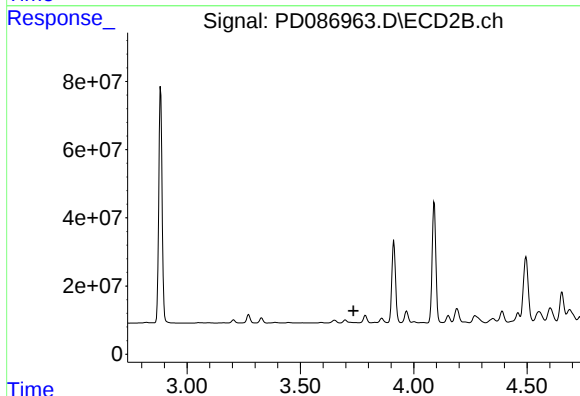
R.T.: 3.389 min
Delta R.T.: -0.009 min
Response: 2069629
Conc: 0.12 ng/ml



#3 gamma-BHC (Lindane)

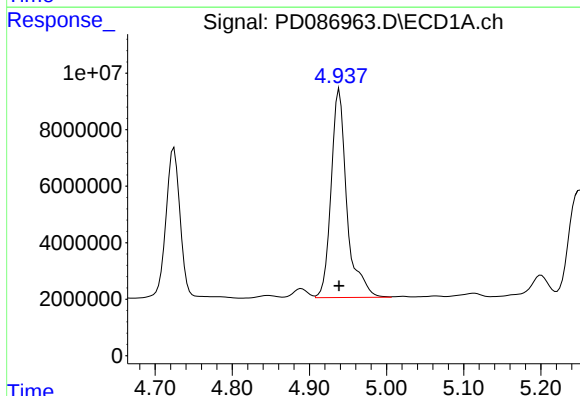
R.T.: 4.367 min
Delta R.T.: 0.029 min
Response: 1799359
Conc: 0.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



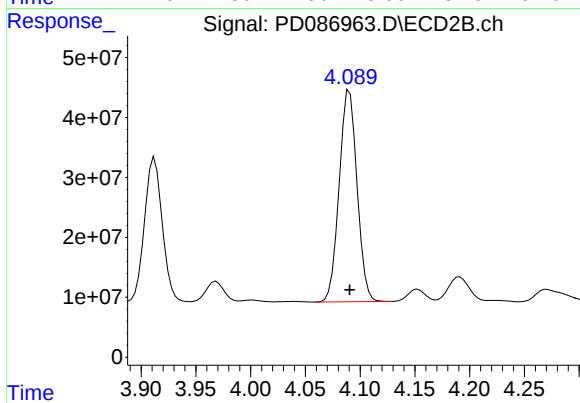
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T. : 3.735 min
Response: 0
Conc: N.D.



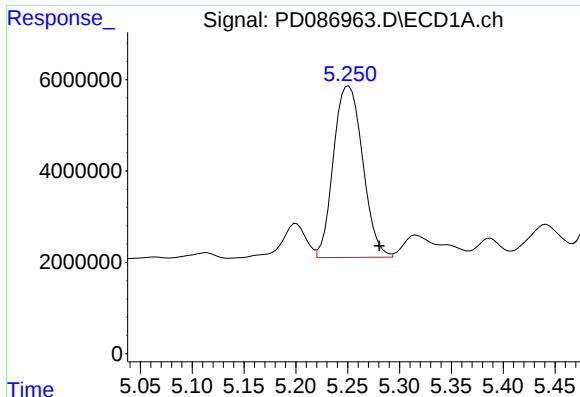
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 105132536
Conc: 26.78 ng/ml



#4 Heptachlor

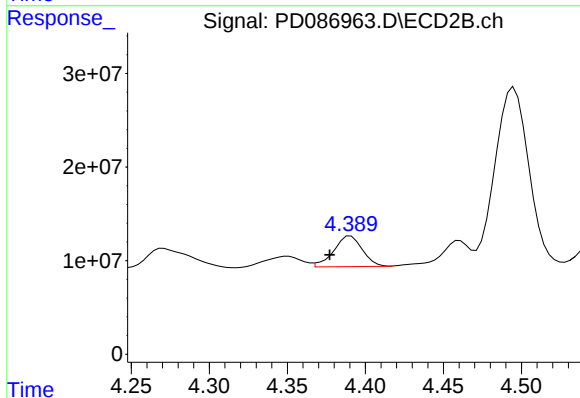
R.T.: 4.090 min
Delta R.T.: 0.000 min
Response: 400740032
Conc: 24.65 ng/ml



#5 Aldrin

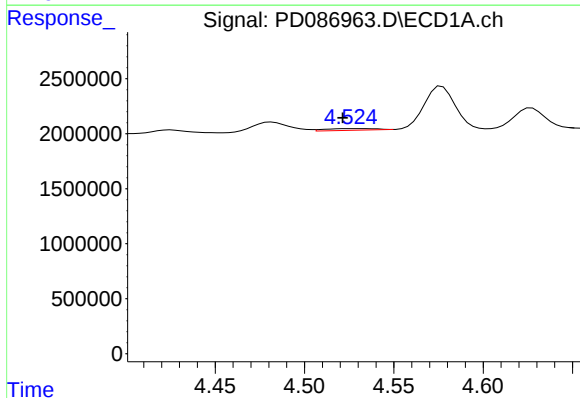
R.T.: 5.251 min
Delta R.T.: -0.029 min
Response: 73556853
Conc: 18.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



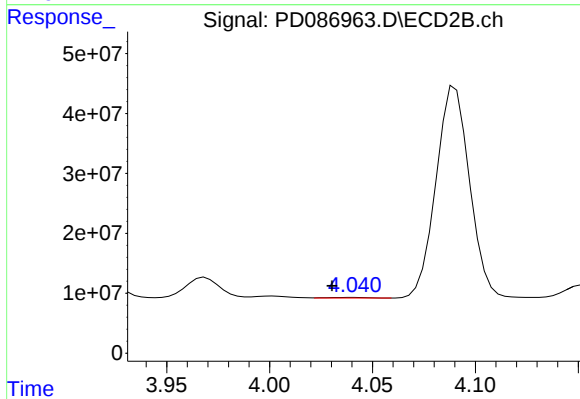
#5 Aldrin

R.T.: 4.391 min
Delta R.T.: 0.013 min
Response: 41799831
Conc: 2.50 ng/ml



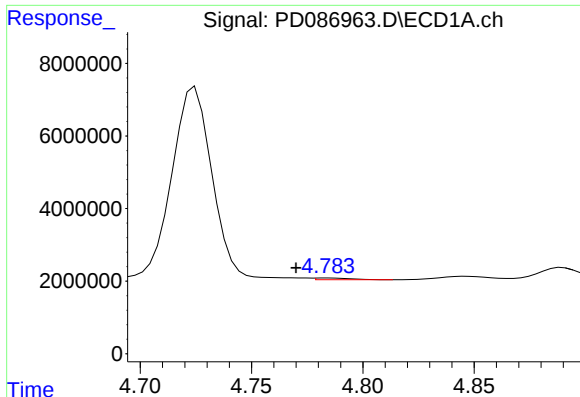
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.004 min
Response: 300623
Conc: 0.19 ng/ml



#6 beta-BHC

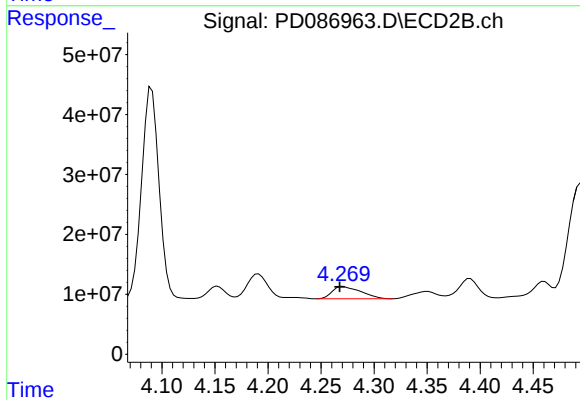
R.T.: 4.041 min
Delta R.T.: 0.011 min
Response: 1336262
Conc: 0.19 ng/ml



#7 delta-BHC

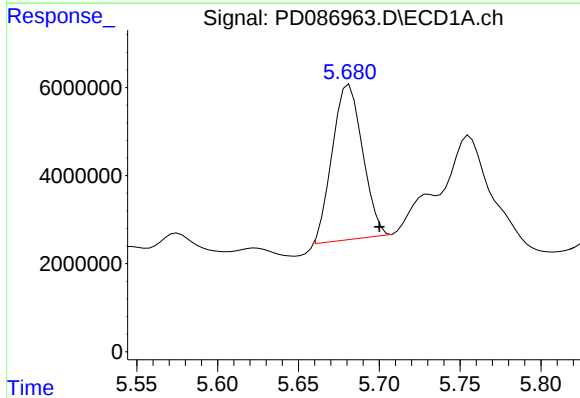
R.T.: 4.784 min
Delta R.T.: 0.014 min
Response: 550001
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



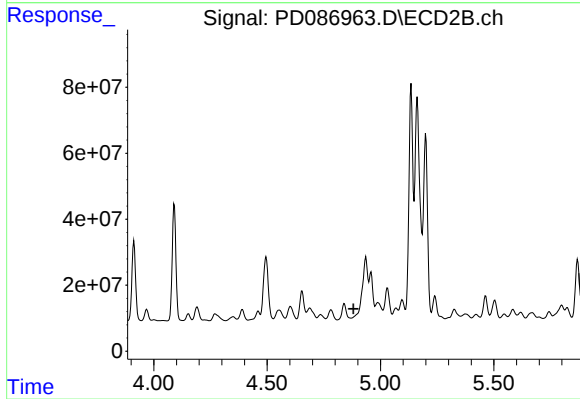
#7 delta-BHC

R.T.: 4.271 min
Delta R.T.: 0.003 min
Response: 38668220
Conc: 2.27 ng/ml



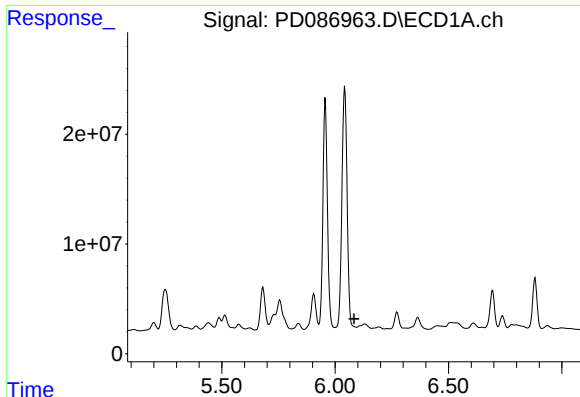
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.019 min
Response: 45701804
Conc: 12.65 ng/ml



#8 Heptachlor epoxide

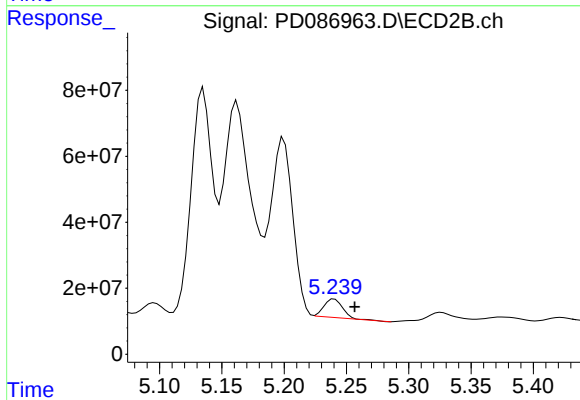
R.T.: 0.000 min
Exp R.T. : 4.881 min
Response: 0
Conc: N.D.



#9 Endosulfan I

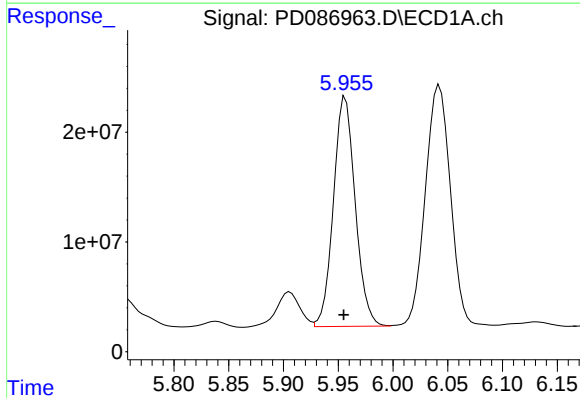
R.T.: 0.000 min
Exp R.T.: 6.084 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



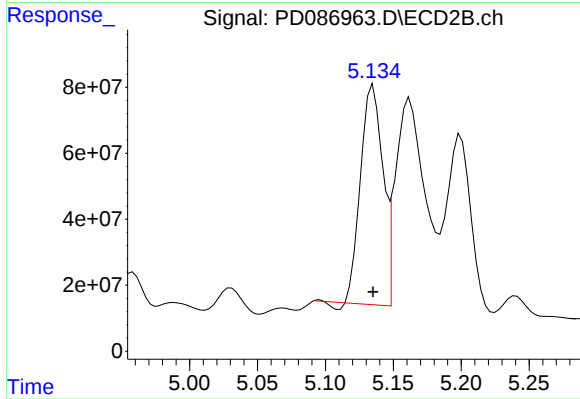
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.016 min
Response: 59029178
Conc: 4.16 ng/ml



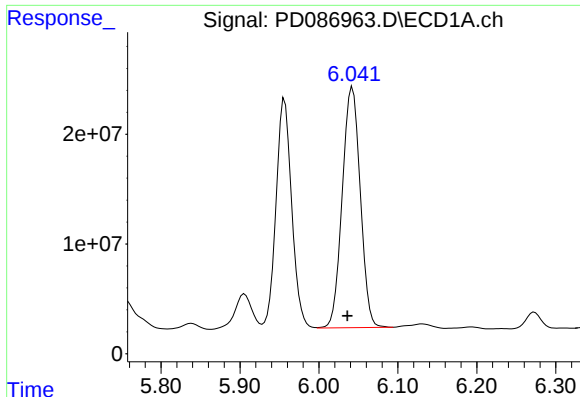
#10 gamma-Chlordane

R.T.: 5.957 min
Delta R.T.: 0.002 min
Response: 289865950
Conc: 82.05 ng/ml



#10 gamma-Chlordane

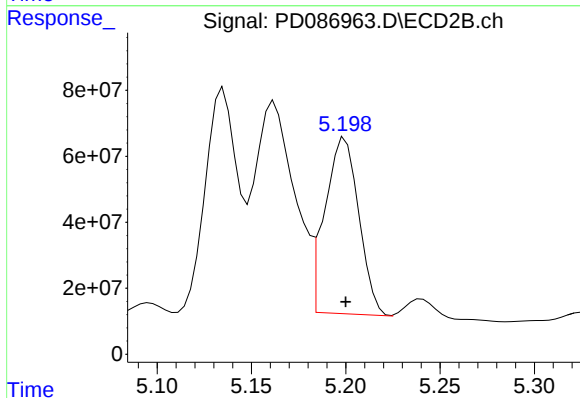
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 750858645
Conc: 48.27 ng/ml



#11 alpha-Chlordane

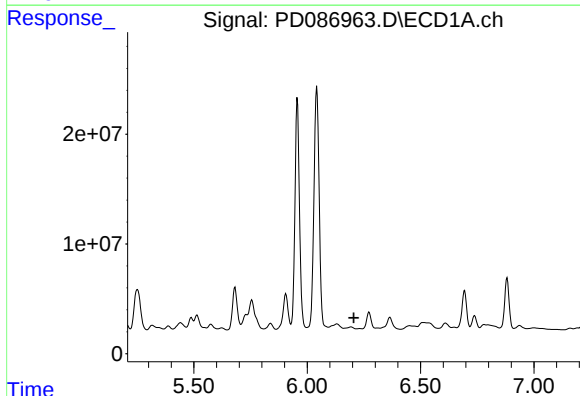
R.T.: 6.042 min
Delta R.T.: 0.006 min
Response: 348211432
Conc: 97.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



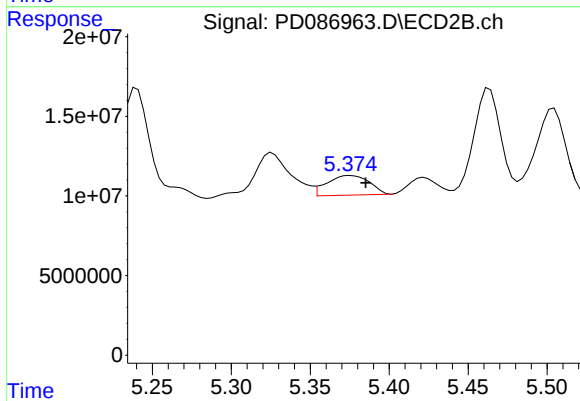
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 666785991
Conc: 43.63 ng/ml



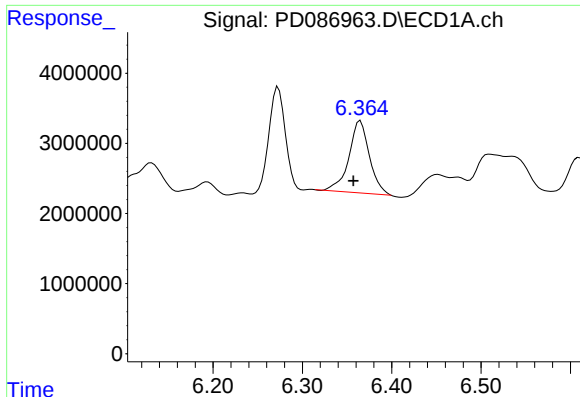
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.012 min
Response: -1050185
Conc: N.D.



#12 4,4'-DDE

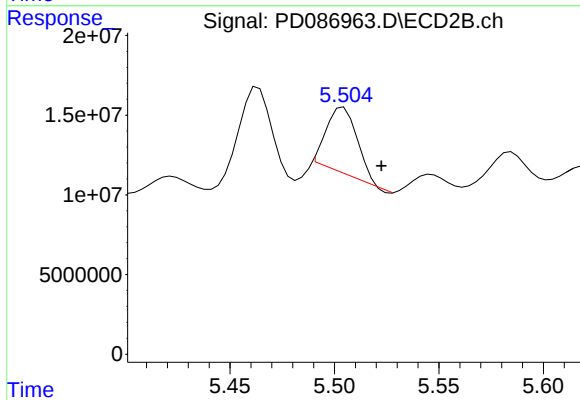
R.T.: 5.375 min
Delta R.T.: -0.010 min
Response: 22927912
Conc: 1.52 ng/ml



#13 Dieldrin

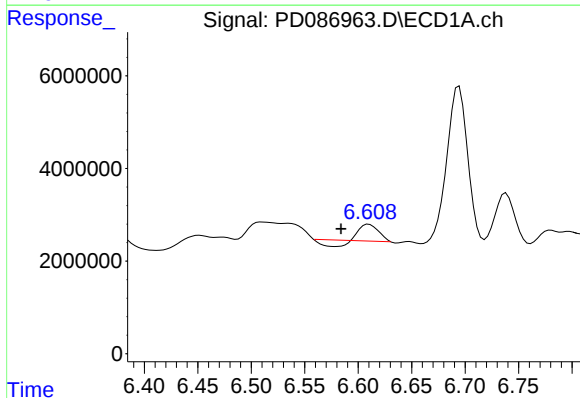
R.T.: 6.365 min
Delta R.T.: 0.008 min
Response: 16394536
Conc: 4.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



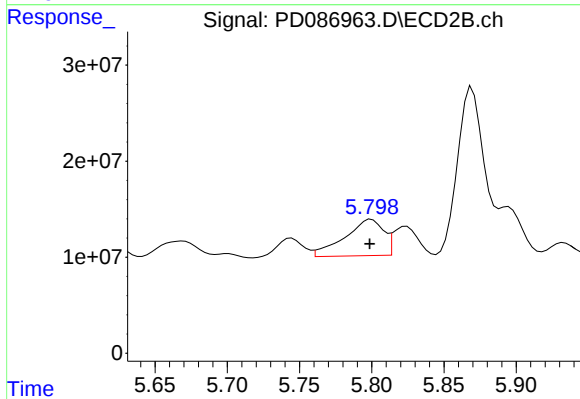
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.018 min
Response: 42192684
Conc: 2.71 ng/ml



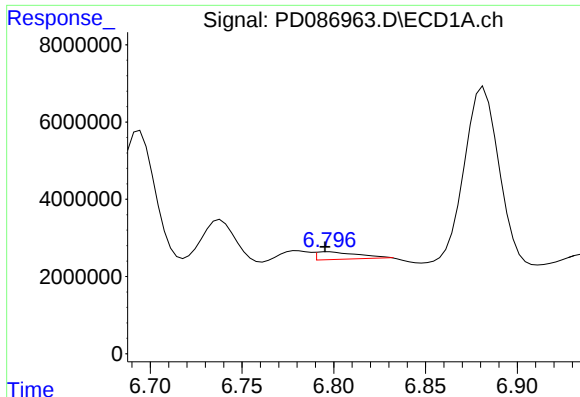
#14 Endrin

R.T.: 6.610 min
Delta R.T.: 0.026 min
Response: 3169494
Conc: 1.05 ng/ml



#14 Endrin

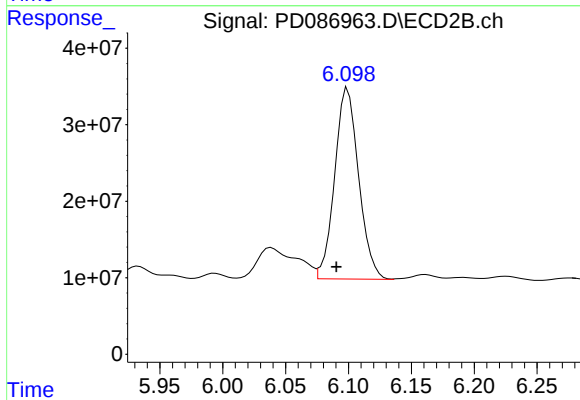
R.T.: 5.800 min
Delta R.T.: 0.001 min
Response: 70597581
Conc: 5.05 ng/ml



#15 Endosulfan II

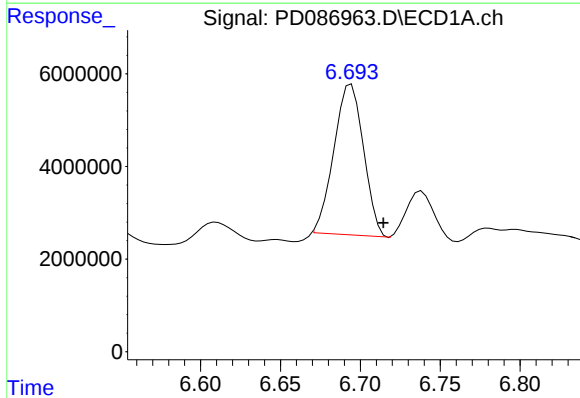
R.T.: 6.798 min
Delta R.T.: 0.002 min
Response: 2941270
Conc: 0.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



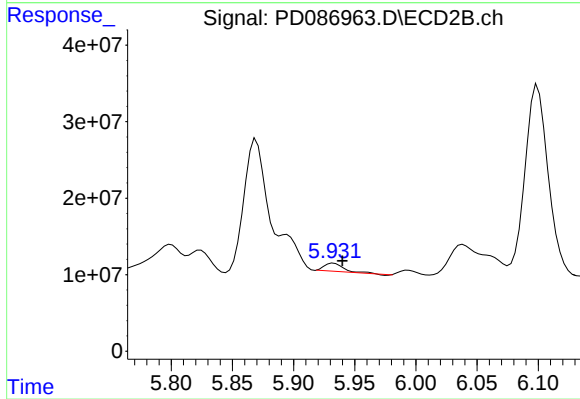
#15 Endosulfan II

R.T.: 6.100 min
Delta R.T.: 0.009 min
Response: 331454644
Conc: 24.08 ng/ml



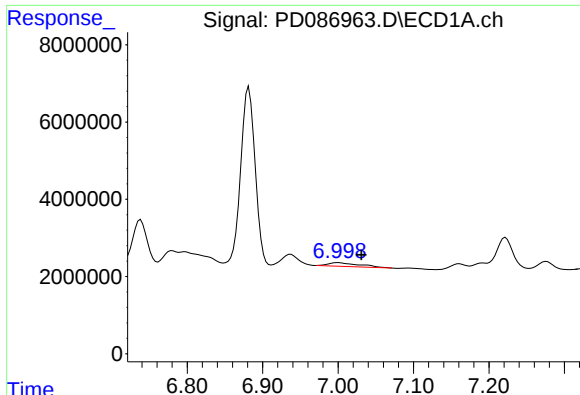
#16 4,4'-DDD

R.T.: 6.694 min
Delta R.T.: -0.020 min
Response: 41845558
Conc: 16.10 ng/ml



#16 4,4'-DDD

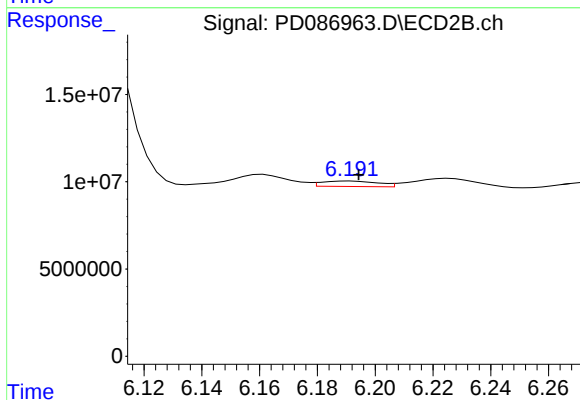
R.T.: 5.933 min
Delta R.T.: -0.007 min
Response: 9885478
Conc: 0.79 ng/ml



#17 4,4'-DDT

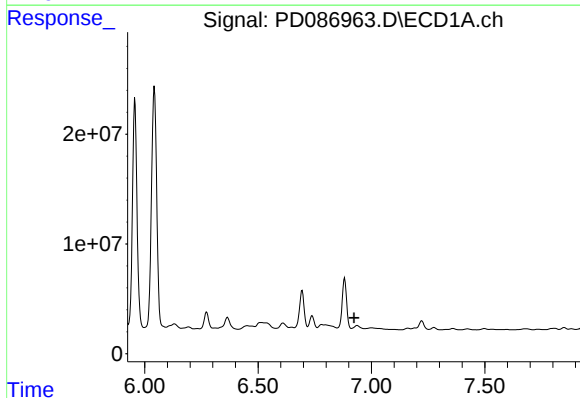
R.T.: 7.000 min
Delta R.T.: -0.031 min
Response: 740567
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



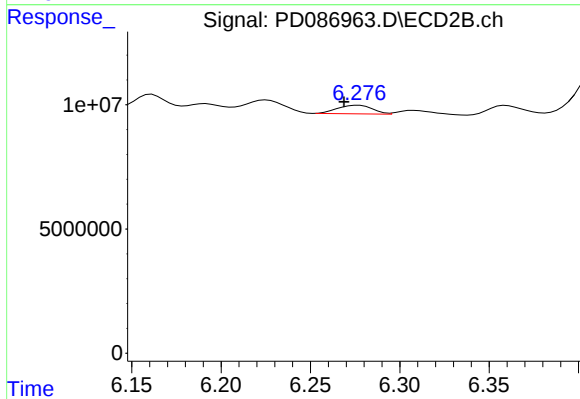
#17 4,4'-DDT

R.T.: 6.192 min
Delta R.T.: -0.003 min
Response: 4262109
Conc: 0.32 ng/ml



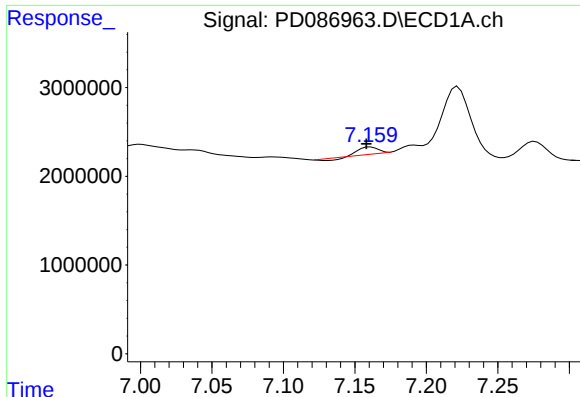
#18 Endrin aldehyde

R.T.: 6.937 min
Delta R.T.: 0.013 min
Response: -35276144
Conc: N.D.



#18 Endrin aldehyde

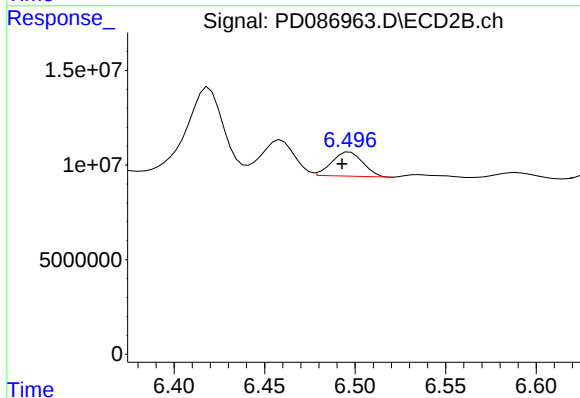
R.T.: 6.277 min
Delta R.T.: 0.008 min
Response: 4765187
Conc: 0.43 ng/ml



#19 Endosulfan Sulfate

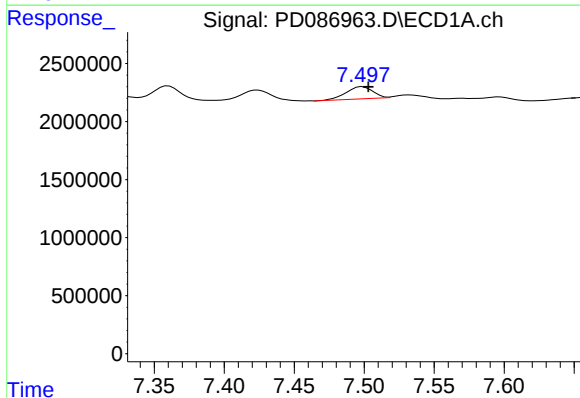
R.T.: 7.161 min
Delta R.T.: 0.003 min
Response: 572199
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



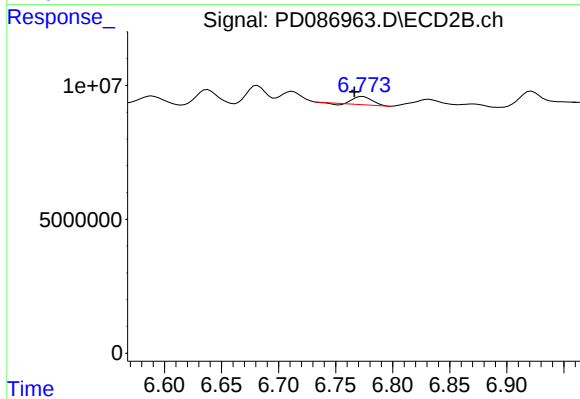
#19 Endosulfan Sulfate

R.T.: 6.497 min
Delta R.T.: 0.004 min
Response: 15273983
Conc: 1.13 ng/ml



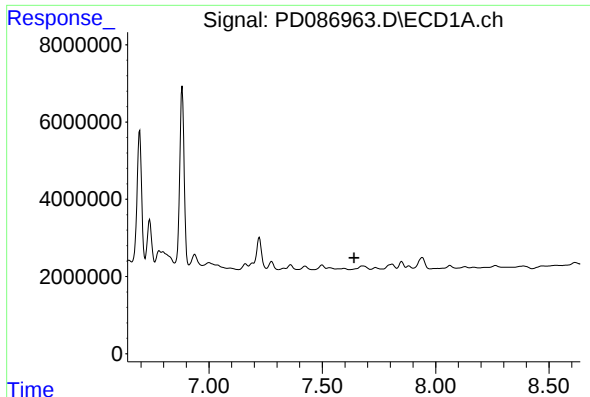
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.004 min
Response: 1375847
Conc: 0.86 ng/ml



#20 Methoxychlor

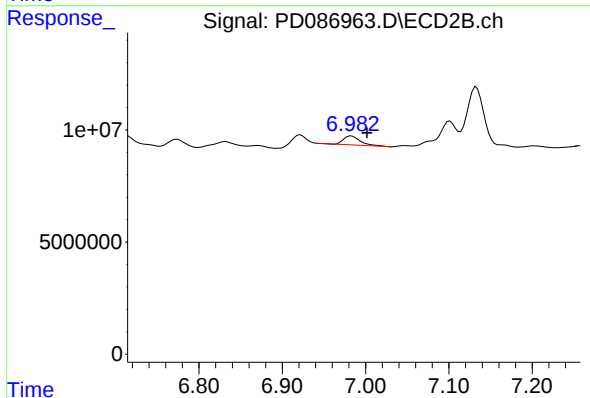
R.T.: 6.774 min
Delta R.T.: 0.007 min
Response: 3334197
Conc: 0.46 ng/ml



#21 Endrin ketone

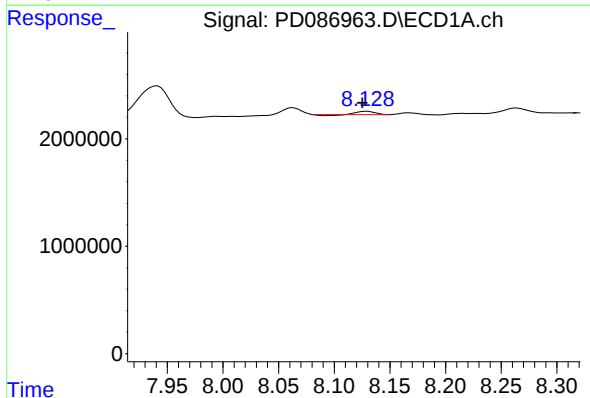
R.T.: 0.000 min
Exp R.T.: 7.640 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



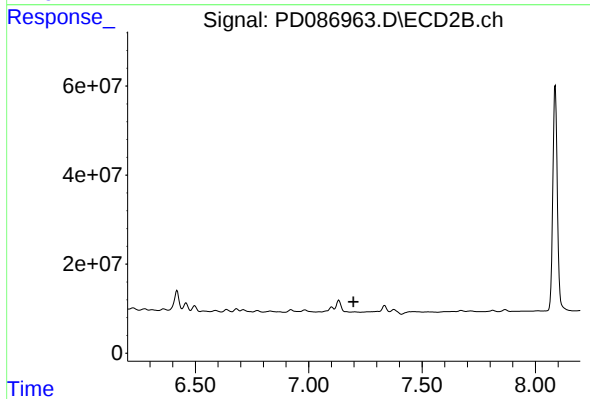
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.019 min
Response: 5767652
Conc: 0.38 ng/ml



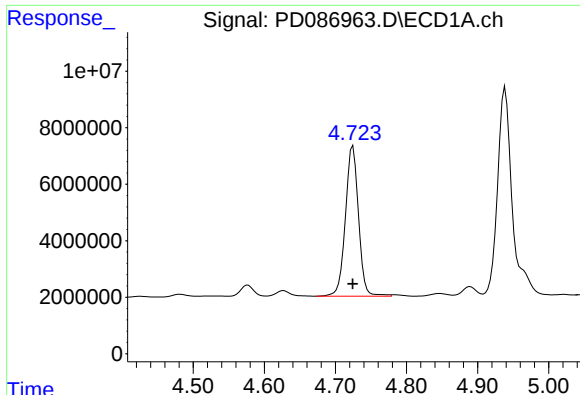
#22 Mirex

R.T.: 8.129 min
Delta R.T.: 0.004 min
Response: 313403
Conc: 0.13 ng/ml



#22 Mirex

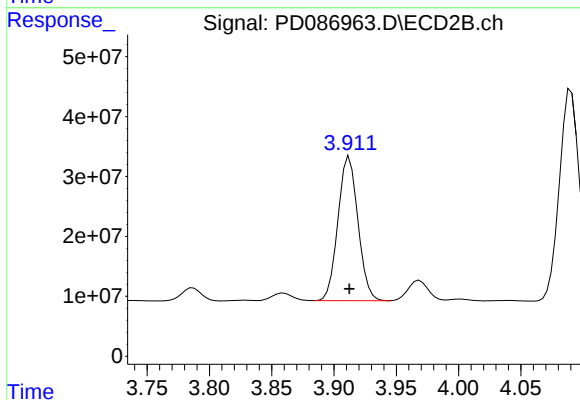
R.T.: 7.203 min
Delta R.T.: 0.005 min
Response: -122082
Conc: N.D.



#23 Chlordane-1

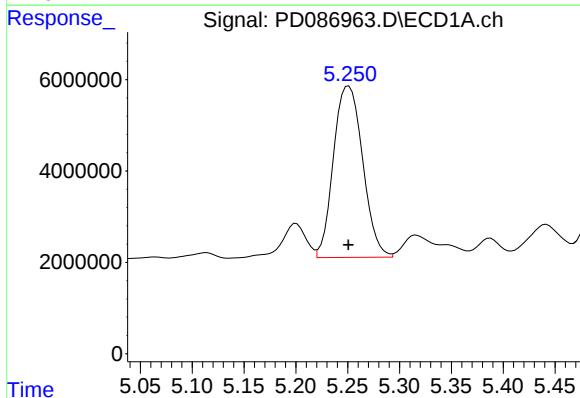
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 68119448
Conc: 533.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



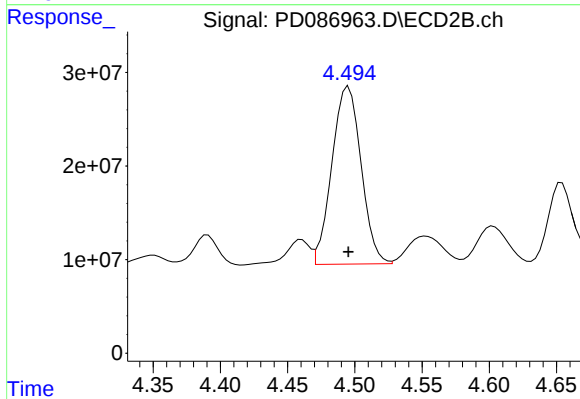
#23 Chlordane-1

R.T.: 3.912 min
Delta R.T.: 0.000 min
Response: 269946257
Conc: 518.70 ng/ml



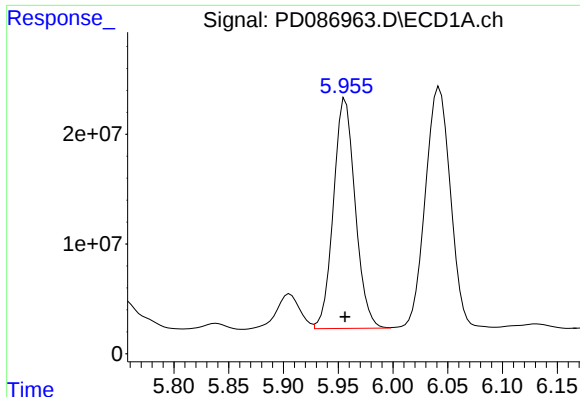
#24 Chlordane-2

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 73556853
Conc: 516.97 ng/ml



#24 Chlordane-2

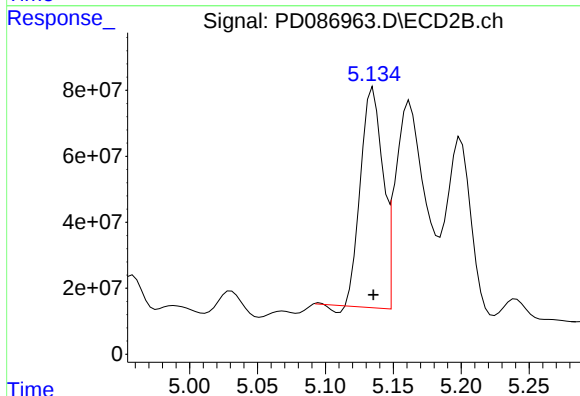
R.T.: 4.495 min
Delta R.T.: 0.000 min
Response: 285921619
Conc: 513.11 ng/ml



#25 Chlordane-3

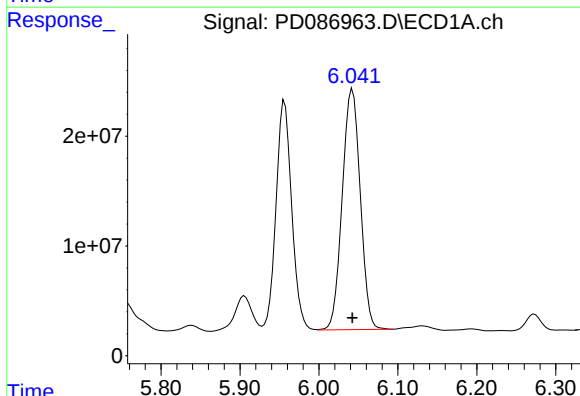
R.T.: 5.957 min
Delta R.T.: 0.000 min
Response: 289865950
Conc: 531.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



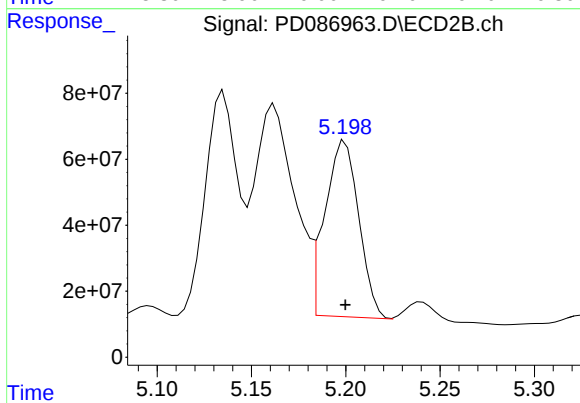
#25 Chlordane-3

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 750858645
Conc: 453.95 ng/ml



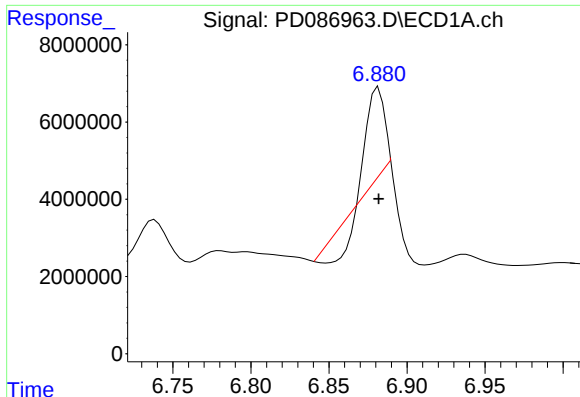
#26 Chlordane-4

R.T.: 6.042 min
Delta R.T.: 0.000 min
Response: 348211432
Conc: 527.81 ng/ml



#26 Chlordane-4

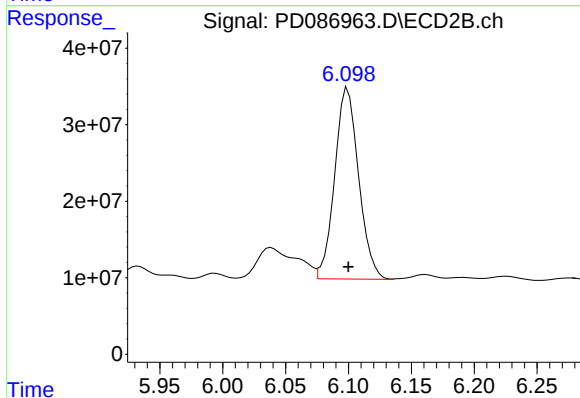
R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 666785991
Conc: 475.56 ng/ml



#27 Chlordane-5

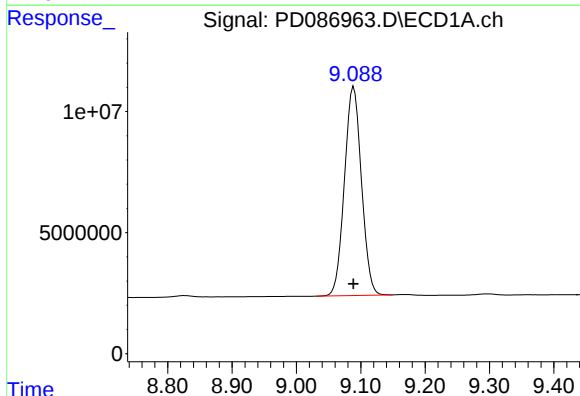
R.T.: 6.882 min
Delta R.T.: 0.000 min
Response: 12980933
Conc: 110.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD112724



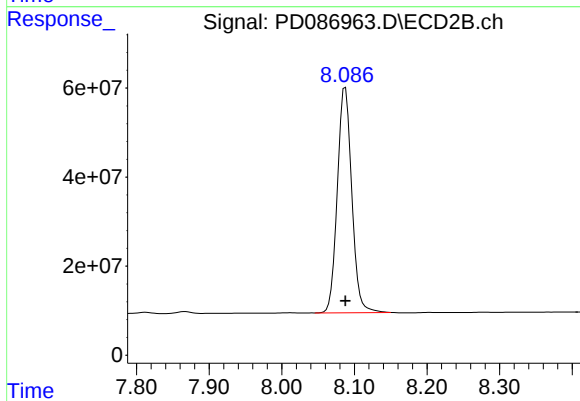
#27 Chlordane-5

R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 331454644
Conc: 517.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.000 min
Response: 158308666
Conc: 51.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 699822121
Conc: 50.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
 Data File : PD087071.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 18:11
 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: Dec 06 22:26:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 27 15:47:26 2024
 Response via : Initial 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...	3.557	2.883	103.2E6	581.8E6	51.601	50.826
28)	SA Decachlor...	9.088	8.086	148.7E6	646.3E6	46.762	46.386
Target Compounds							
2)	A alpha-BHC	4.007	3.397	215.8E6	911.2E6	53.627	51.710
3)	MA gamma-BHC...	4.338	3.734	211.6E6	859.3E6	53.042	51.164
4)	MA Heptachlor	4.939	4.089	201.7E6	805.2E6	51.360	49.533
5)	MB Aldrin	5.280	4.376	211.8E6	856.4E6	51.974	51.227
6)	B beta-BHC	4.521	4.030	80174100	361.0E6	50.833	50.405
7)	B delta-BHC	4.770	4.267	215.5E6	875.5E6	52.858	51.495
8)	B Heptachlo...	5.700	4.880	185.1E6	754.0E6	51.221	49.659
9)	A Endosulfan I	6.084	5.255	169.6E6	710.0E6	50.538	50.009
10)	B gamma-Chl...	5.955	5.134	179.5E6	777.9E6	50.794	50.010
11)	B alpha-Chl...	6.036	5.199	180.3E6	760.7E6	50.468	49.775
12)	B 4,4'-DDE	6.205	5.385	164.2E6	776.8E6	50.451	51.533
13)	MA Dieldrin	6.356	5.522	182.4E6	774.3E6	50.497	49.728
14)	MA Endrin	6.584	5.798	148.6E6	677.0E6	49.113	48.395
15)	B Endosulfa...	6.795	6.090	151.2E6	669.3E6	50.599	48.629
16)	A 4,4'-DDD	6.714	5.939	135.3E6	648.3E6	52.057	51.573
17)	MA 4,4'-DDT	7.031	6.194	128.5E6	602.5E6	45.499	45.189
18)	B Endrin al...	6.924	6.268	118.4E6	531.0E6	48.446	47.864
19)	B Endosulfa...	7.158	6.492	142.9E6	653.9E6	49.107	48.331
20)	A Methoxychlor	7.503	6.766	71018710	329.1E6	44.407	45.879
21)	B Endrin ke...	7.639	7.001	159.8E6	727.2E6	49.241	48.249
22)	Mirex	8.124	7.198	117.8E6	570.1E6	47.195	46.233
23)	Chlordane-1	0.000	3.894	0	188357	N.D.	0.362 #
24)	Chlordane-2	5.280f	4.494	211.8E6	4390544	1488.847	7.879 #
25)	Chlordane-3	5.955	5.134	179.5E6	777.9E6	328.892	470.320 #
26)	Chlordane-4	6.036	5.199	180.3E6	760.7E6	273.316	542.516 #
27)	Chlordane-5	0.000	6.090	0	669.3E6	N.D.	1044.587 #

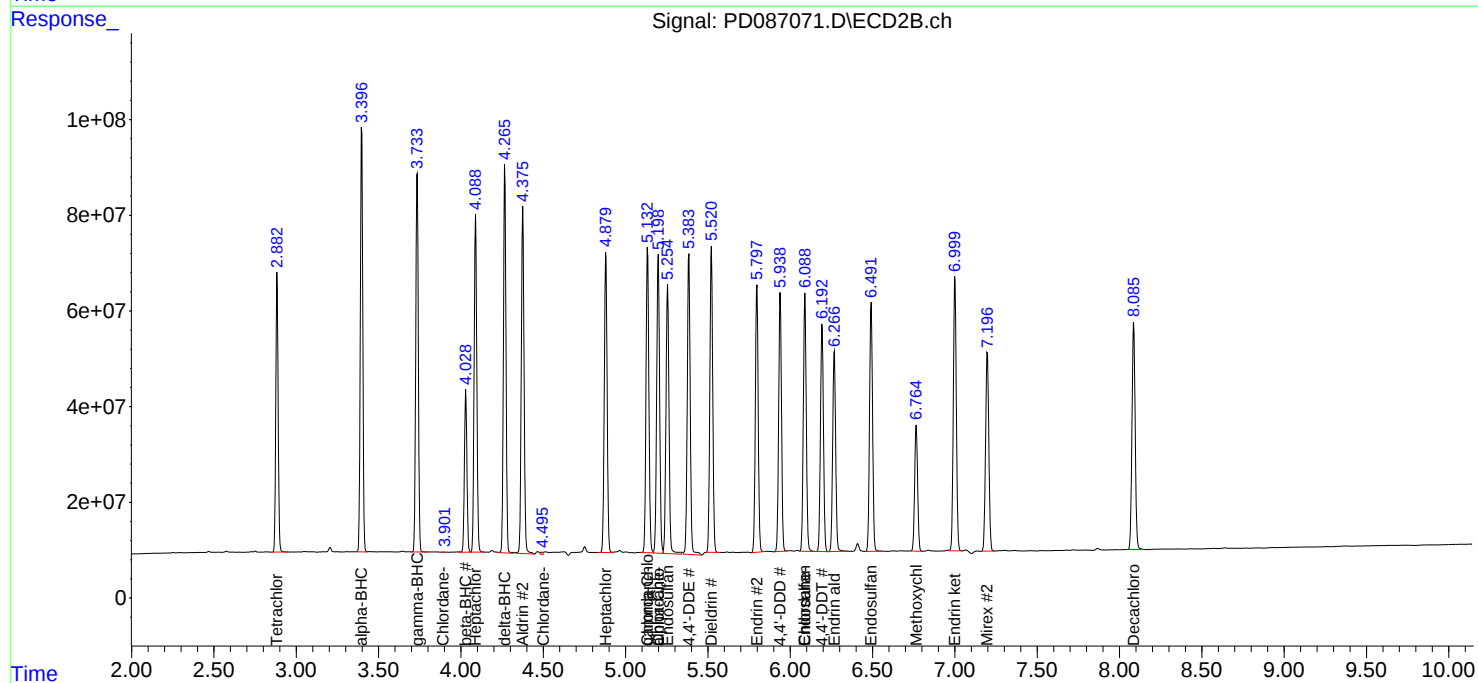
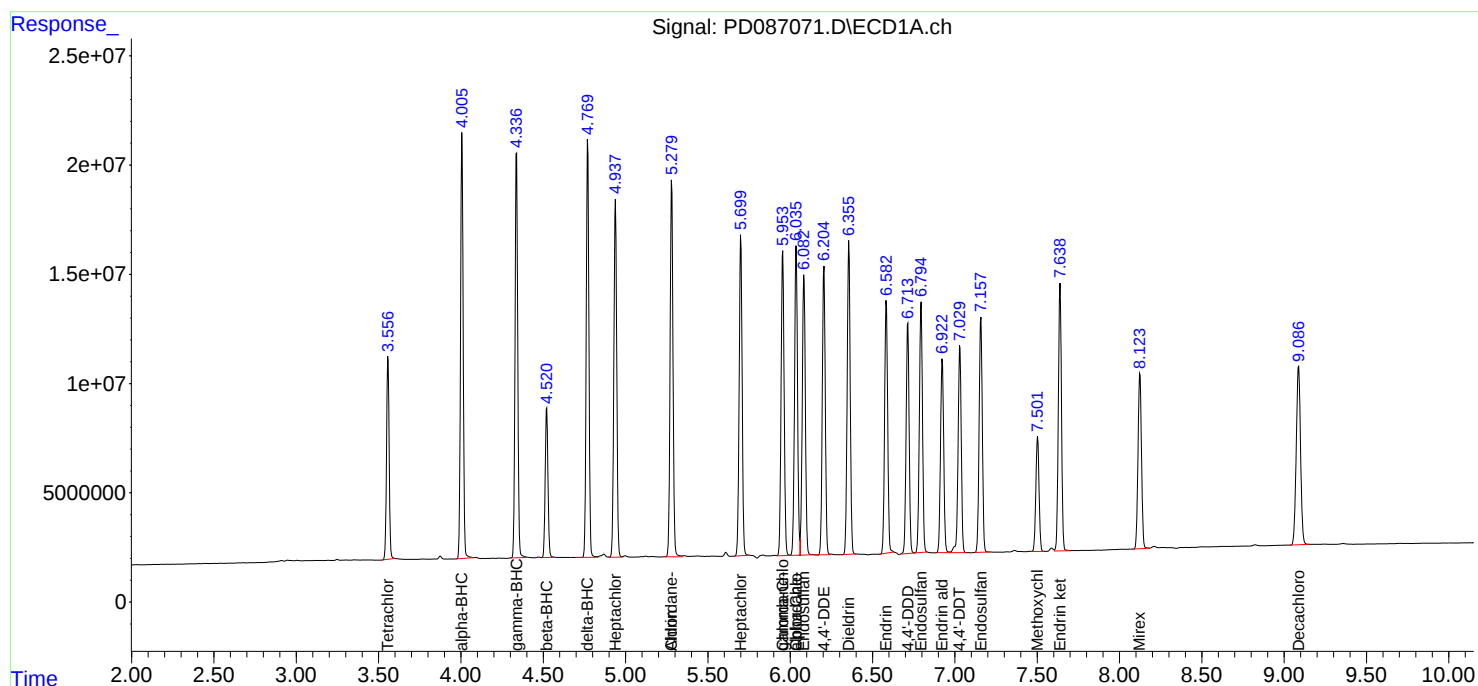
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

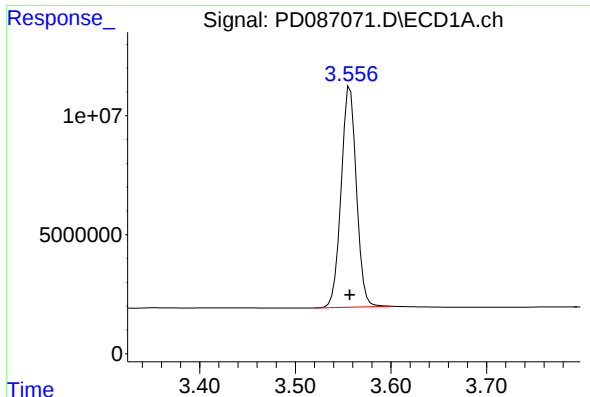
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120624\
Data File : PD087071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 22:26:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD112724.M
Quant Title : GC Extractables
QLast Update : Wed Nov 27 15:47:26 2024
Response via : Initial 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

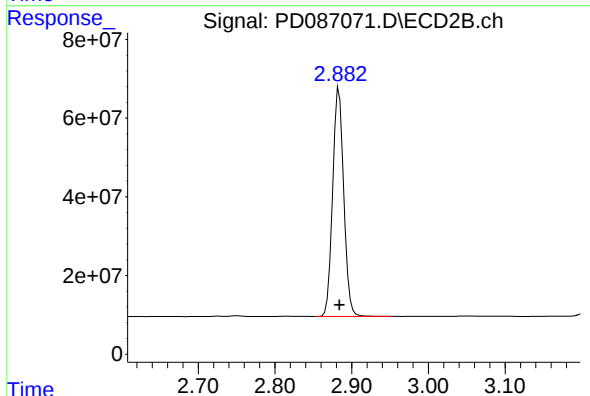




#1 Tetrachloro-m-xylene

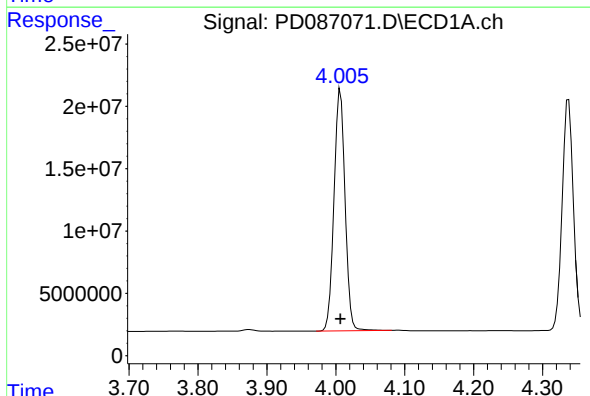
R.T.: 3.557 min
Delta R.T.: 0.000 min
Response: 103188961
Conc: 51.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



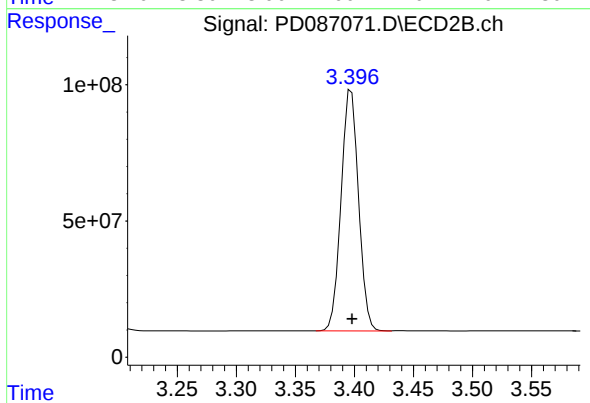
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 581778437
Conc: 50.83 ng/ml



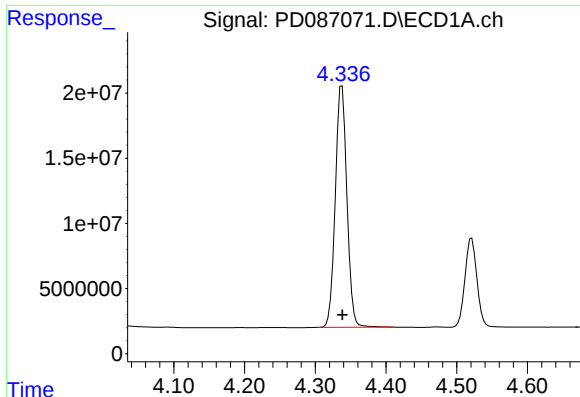
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 215794938
Conc: 53.63 ng/ml



#2 alpha-BHC

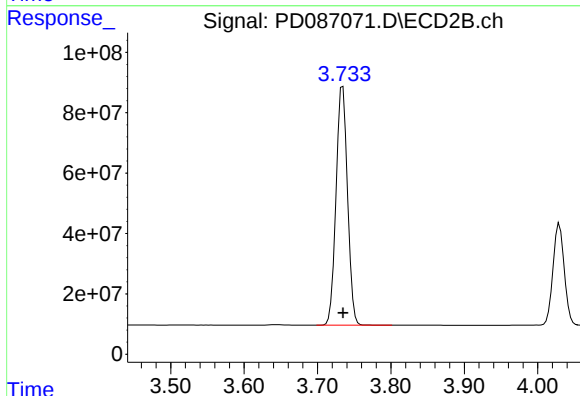
R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 911180876
Conc: 51.71 ng/ml



#3 gamma-BHC (Lindane)

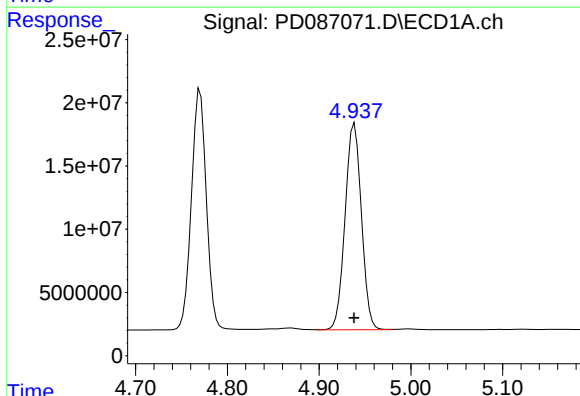
R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 211554156
Conc: 53.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



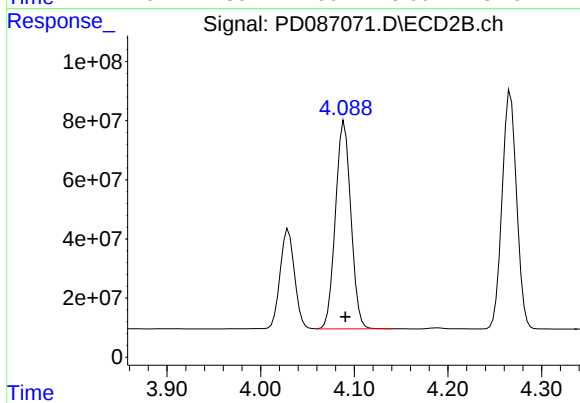
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 859284399
Conc: 51.16 ng/ml



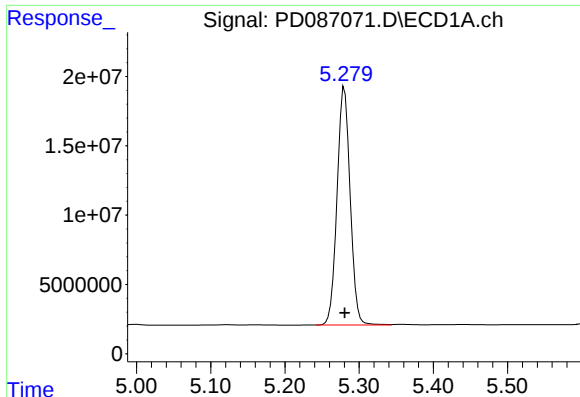
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 201651620
Conc: 51.36 ng/ml



#4 Heptachlor

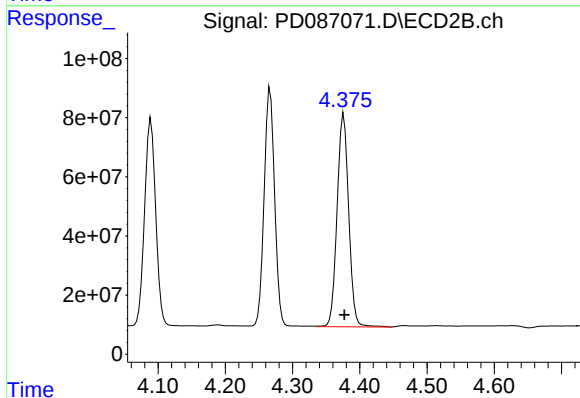
R.T.: 4.089 min
Delta R.T.: -0.001 min
Response: 805195014
Conc: 49.53 ng/ml



#5 Aldrin

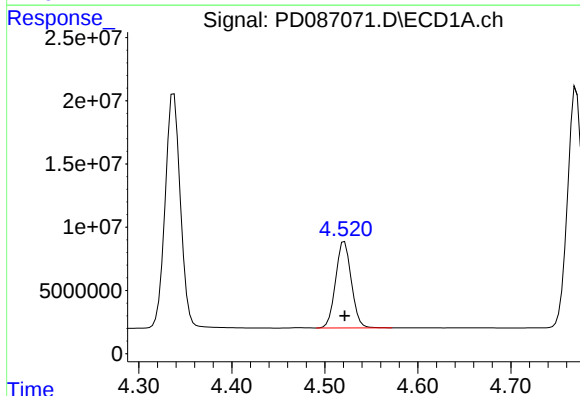
R.T.: 5.280 min
Delta R.T.: 0.000 min
Response: 211838221
Conc: 51.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



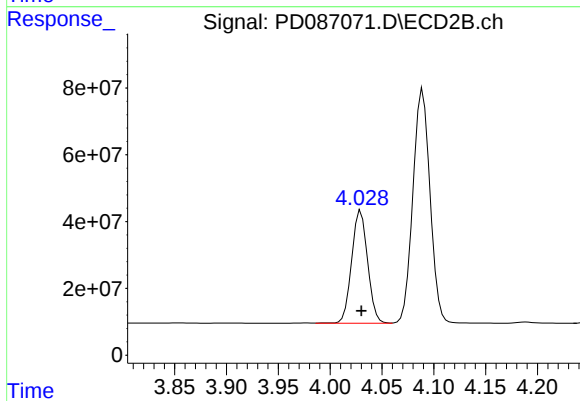
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: -0.001 min
Response: 856381367
Conc: 51.23 ng/ml



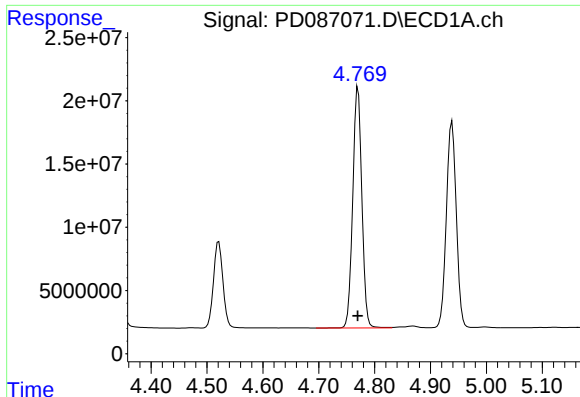
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 80174100
Conc: 50.83 ng/ml



#6 beta-BHC

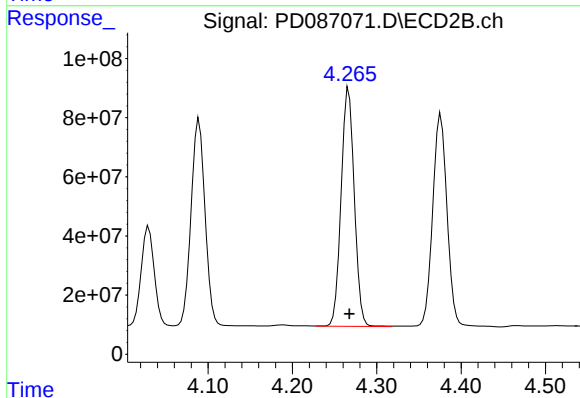
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 360993028
Conc: 50.40 ng/ml



#7 delta-BHC

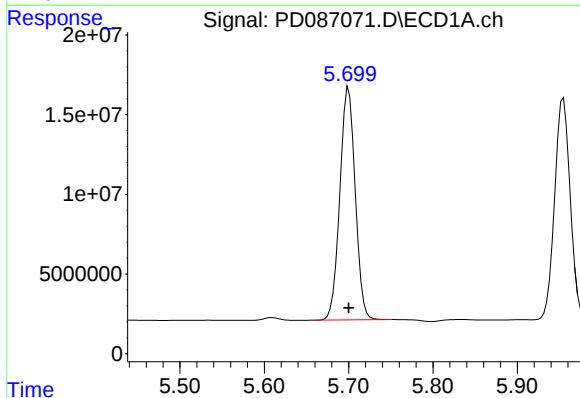
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 215455809
Conc: 52.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



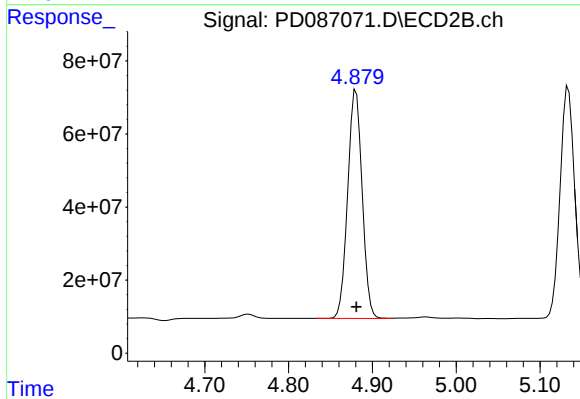
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 875523629
Conc: 51.49 ng/ml



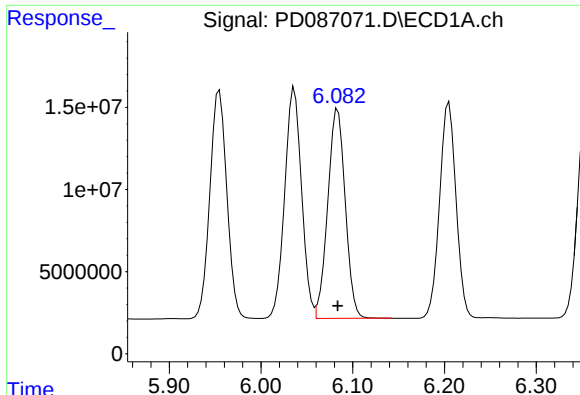
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 185088831
Conc: 51.22 ng/ml



#8 Heptachlor epoxide

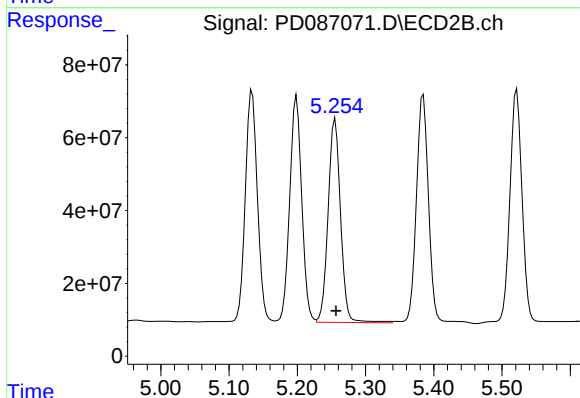
R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 754022378
Conc: 49.66 ng/ml



#9 Endosulfan I

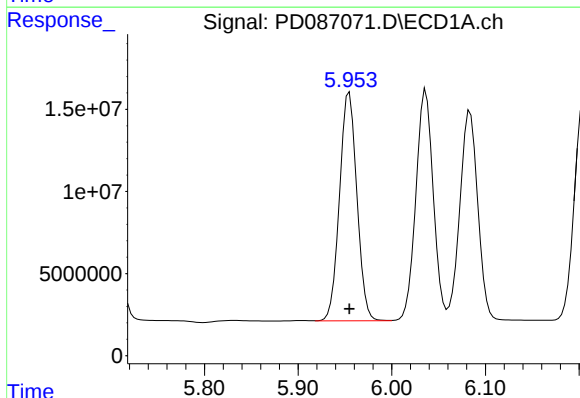
R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 169595434
Conc: 50.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



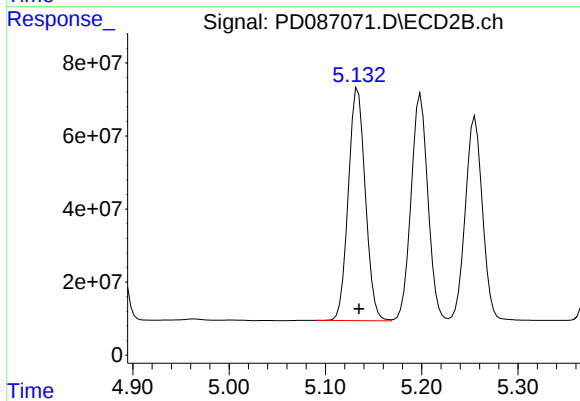
#9 Endosulfan I

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 709953297
Conc: 50.01 ng/ml



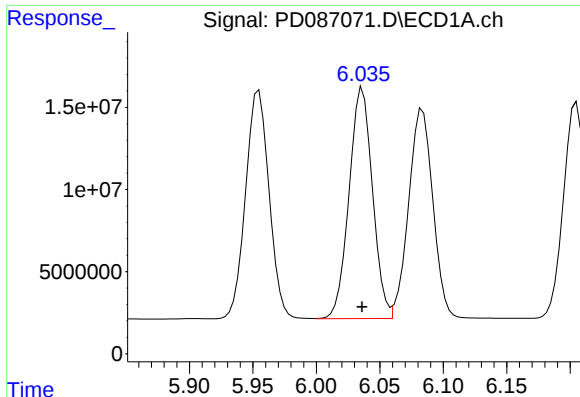
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 179452989
Conc: 50.79 ng/ml



#10 gamma-Chlordane

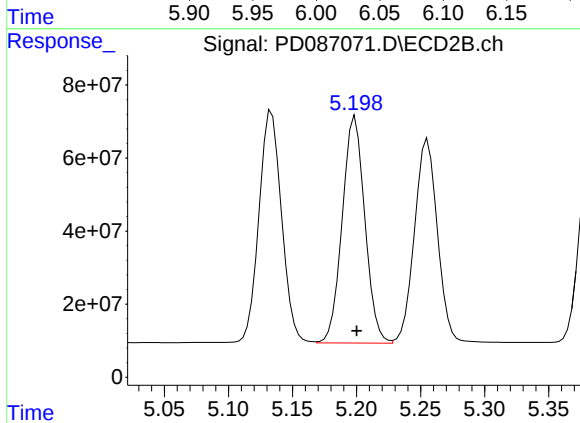
R.T.: 5.134 min
Delta R.T.: -0.001 min
Response: 777936368
Conc: 50.01 ng/ml



#11 alpha-Chlordane

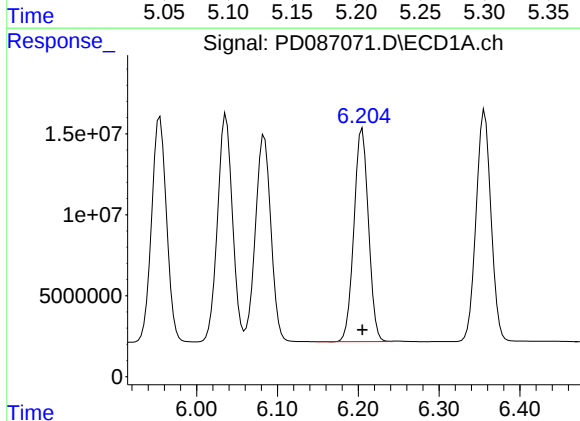
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 180315027
Conc: 50.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



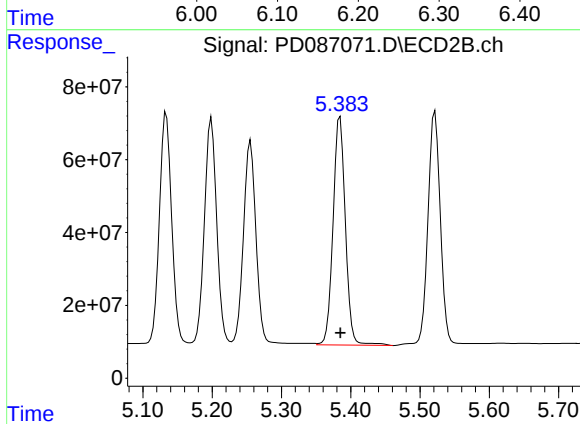
#11 alpha-Chlordane

R.T.: 5.199 min
Delta R.T.: -0.001 min
Response: 760671564
Conc: 49.78 ng/ml



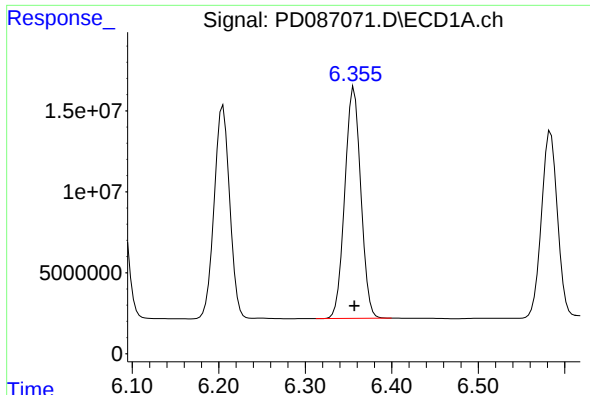
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 164150984
Conc: 50.45 ng/ml



#12 4,4'-DDE

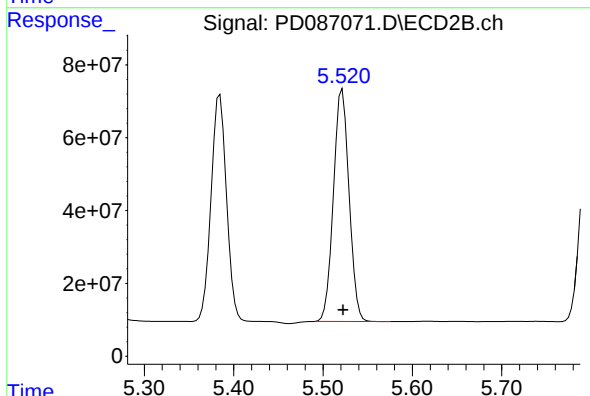
R.T.: 5.385 min
Delta R.T.: 0.000 min
Response: 776838685
Conc: 51.53 ng/ml



#13 Dieldrin

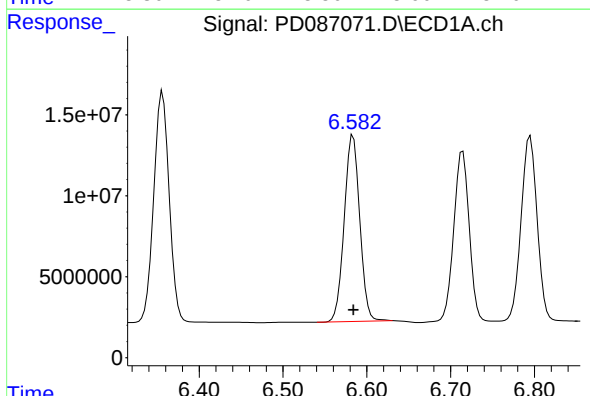
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 182427683
Conc: 50.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



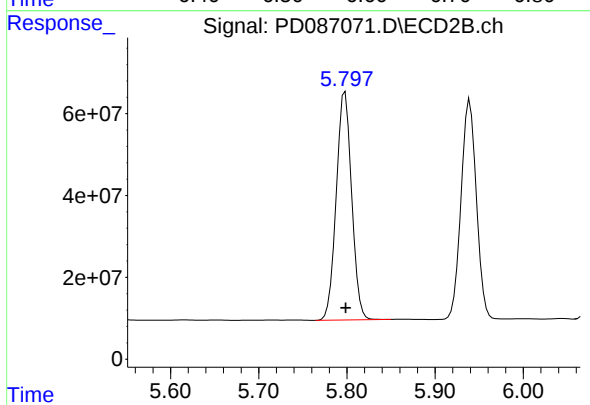
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 774346475
Conc: 49.73 ng/ml



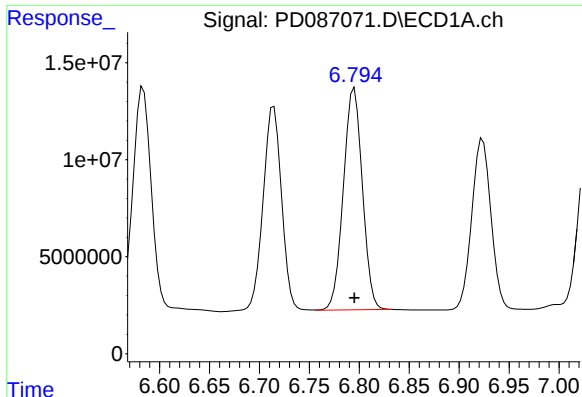
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.000 min
Response: 148613028
Conc: 49.11 ng/ml



#14 Endrin

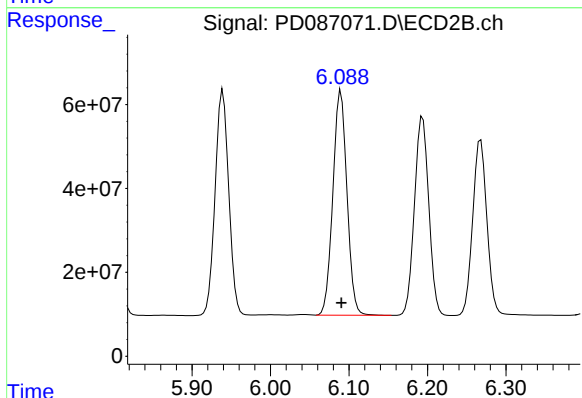
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 676983862
Conc: 48.40 ng/ml



#15 Endosulfan II

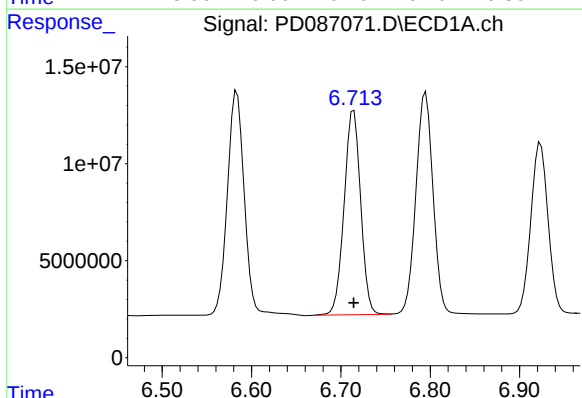
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 151239905
Conc: 50.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



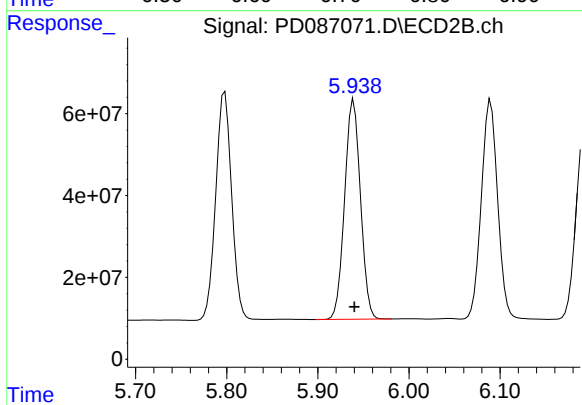
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 669329020
Conc: 48.63 ng/ml



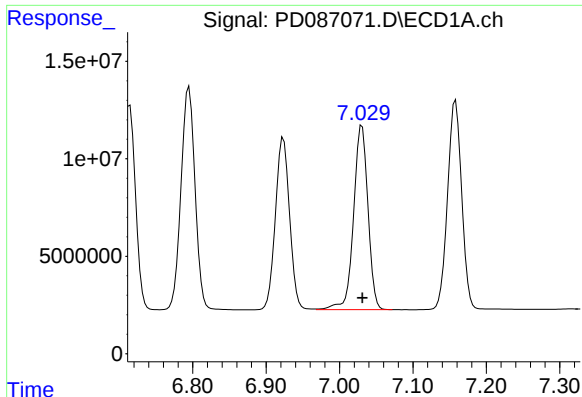
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 135328008
Conc: 52.06 ng/ml



#16 4,4'-DDD

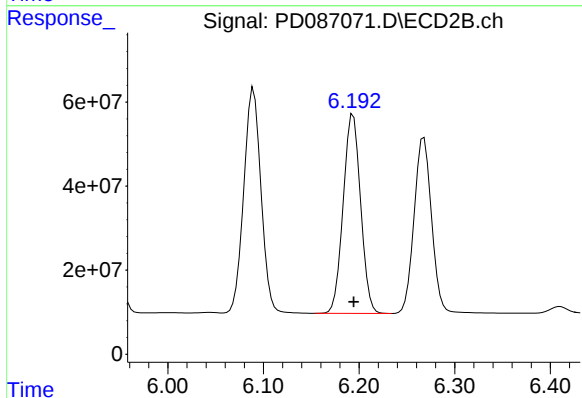
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 648250097
Conc: 51.57 ng/ml



#17 4,4'-DDT

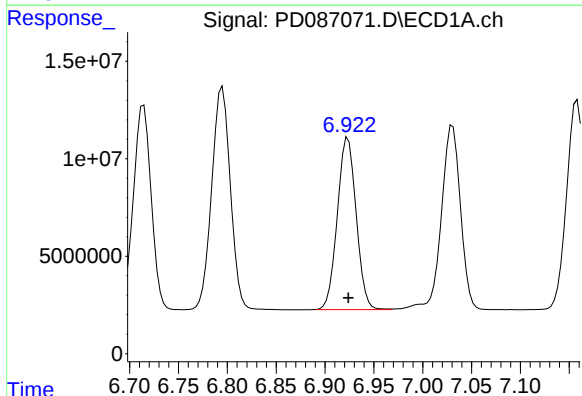
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 128530048
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



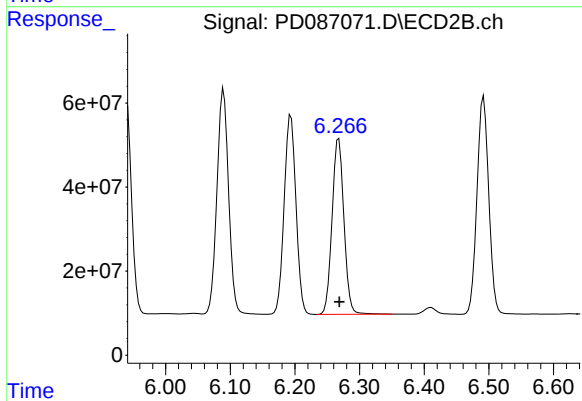
#17 4,4'-DDT

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 602546379
Conc: 45.19 ng/ml



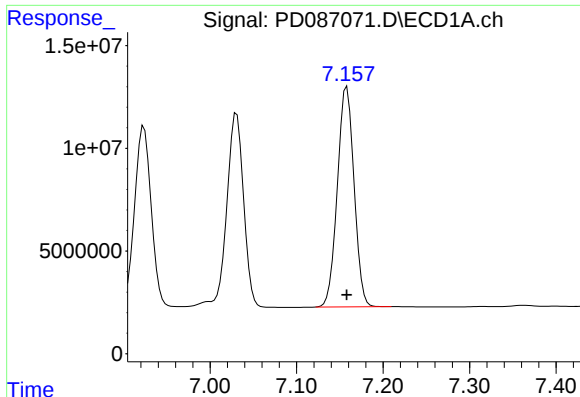
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 118435485
Conc: 48.45 ng/ml



#18 Endrin aldehyde

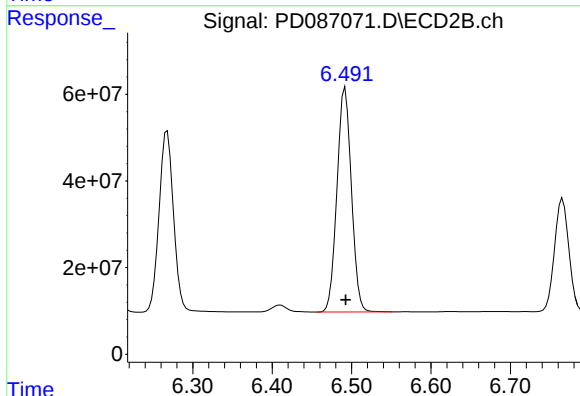
R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 531001258
Conc: 47.86 ng/ml



#19 Endosulfan Sulfate

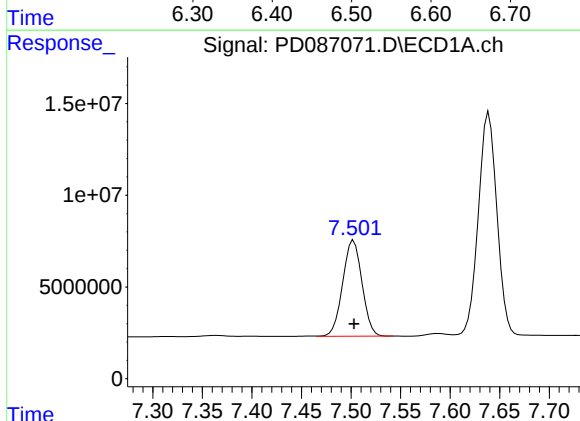
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 142905975
Conc: 49.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



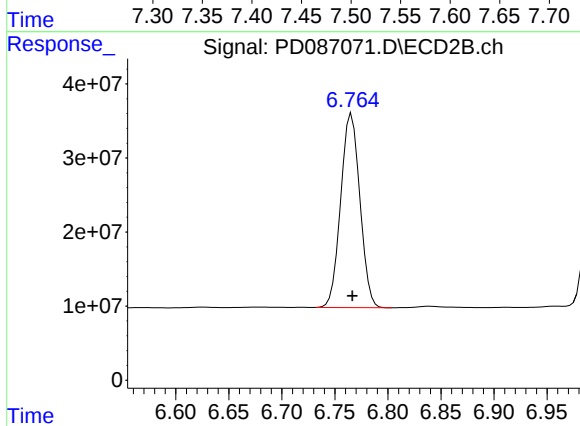
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.000 min
Response: 653911327
Conc: 48.33 ng/ml



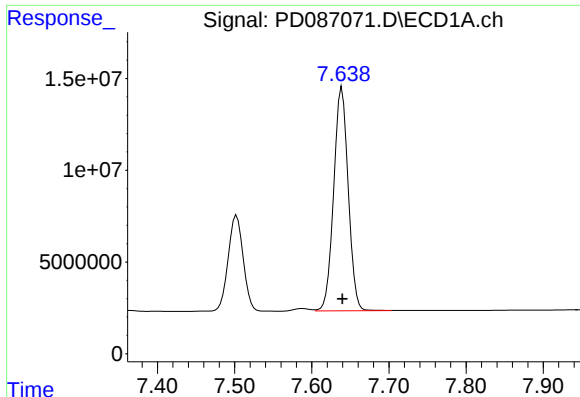
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 71018710
Conc: 44.41 ng/ml



#20 Methoxychlor

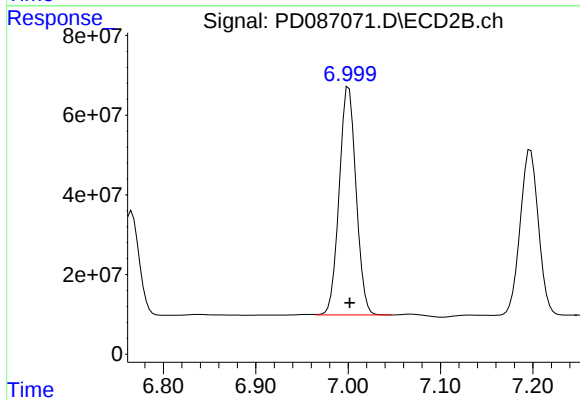
R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 329098545
Conc: 45.88 ng/ml



#21 Endrin ketone

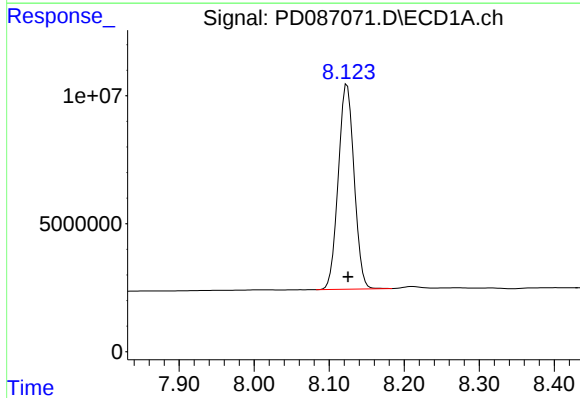
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 159798909
Conc: 49.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



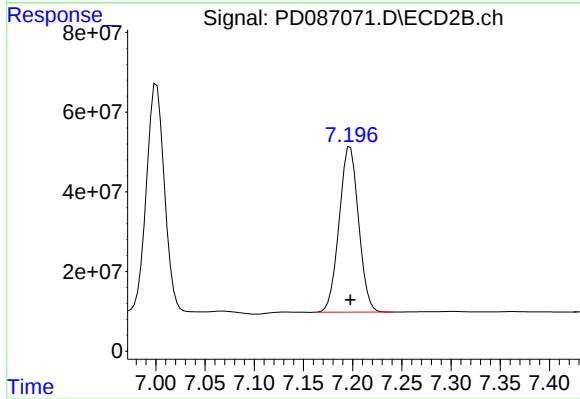
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.001 min
Response: 727192834
Conc: 48.25 ng/ml



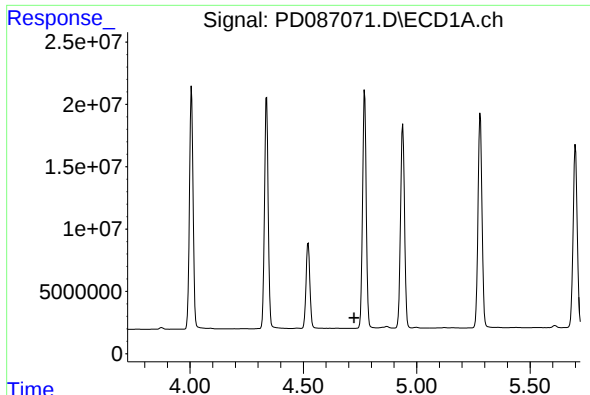
#22 Mirex

R.T.: 8.124 min
Delta R.T.: -0.001 min
Response: 117751893
Conc: 47.19 ng/ml



#22 Mirex

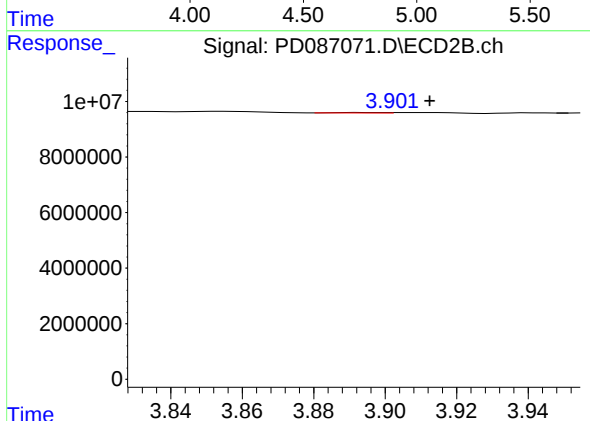
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 570083053
Conc: 46.23 ng/ml



#23 Chlordane-1

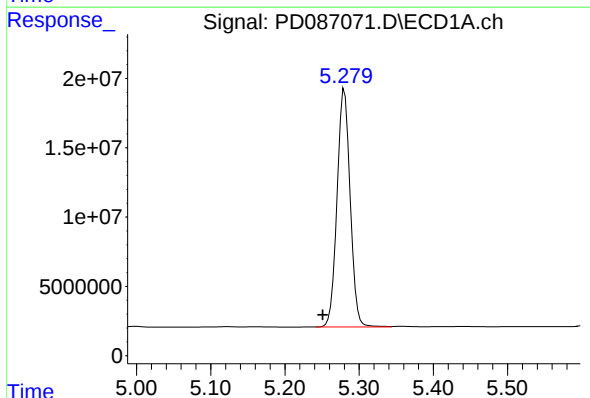
R.T.: 0.000 min
Exp R.T.: 4.725 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



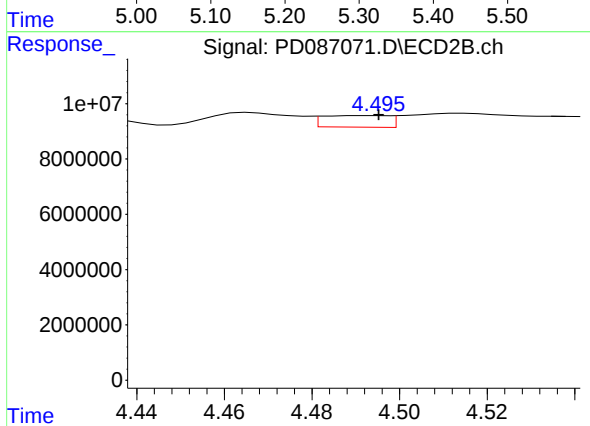
#23 Chlordane-1

R.T.: 3.894 min
Delta R.T.: -0.019 min
Response: 188357
Conc: 0.36 ng/ml



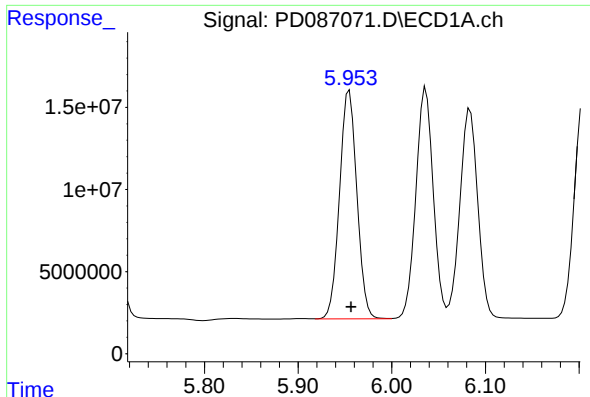
#24 Chlordane-2

R.T.: 5.280 min
Delta R.T.: 0.029 min
Response: 211838221
Conc: 1488.85 ng/ml



#24 Chlordane-2

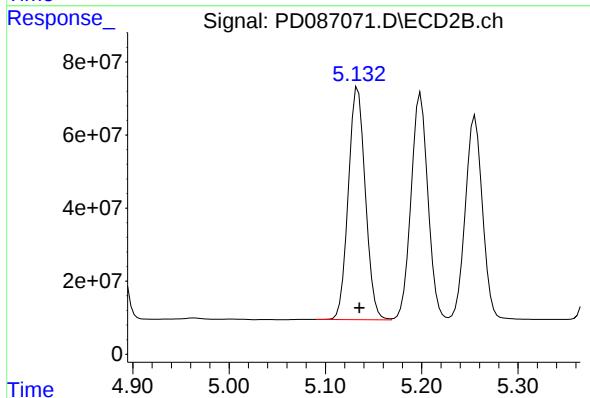
R.T.: 4.494 min
Delta R.T.: 0.000 min
Response: 4390544
Conc: 7.88 ng/ml



#25 Chlordane-3

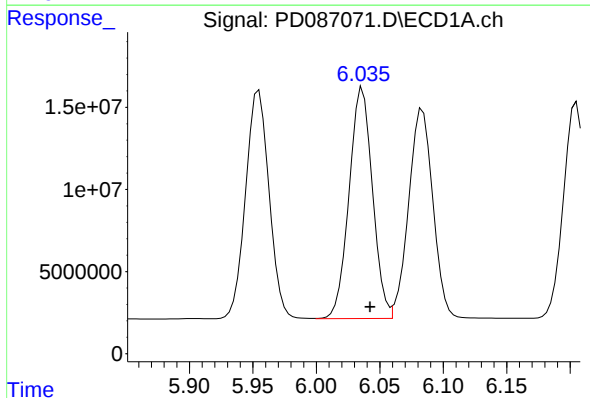
R.T.: 5.955 min
Delta R.T.: -0.002 min
Response: 179452989
Conc: 328.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



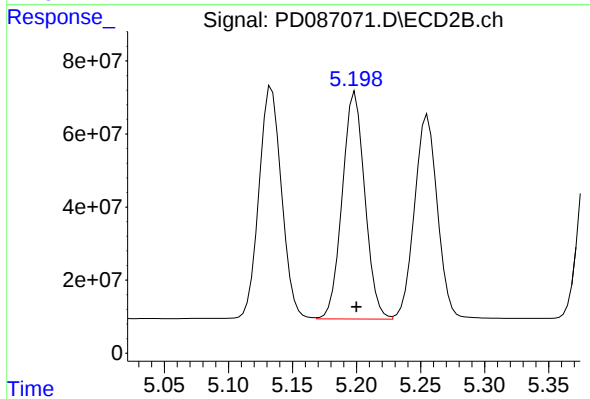
#25 Chlordane-3

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 777936368
Conc: 470.32 ng/ml



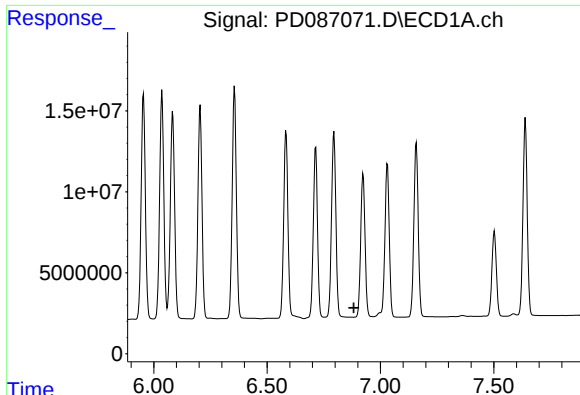
#26 Chlordane-4

R.T.: 6.036 min
Delta R.T.: -0.006 min
Response: 180315027
Conc: 273.32 ng/ml



#26 Chlordane-4

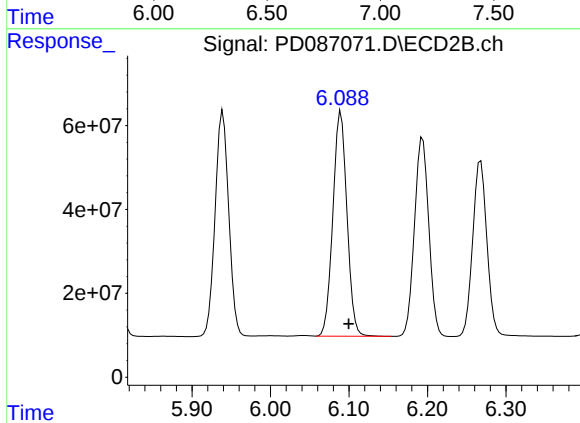
R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 760671564
Conc: 542.52 ng/ml



#27 Chlordane-5

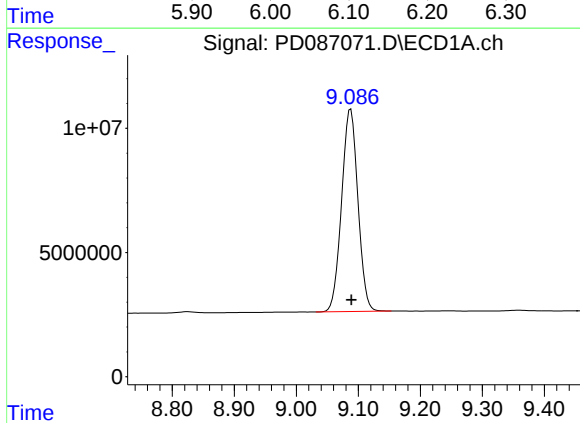
R.T.: 0.000 min
Exp R.T.: 6.882 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



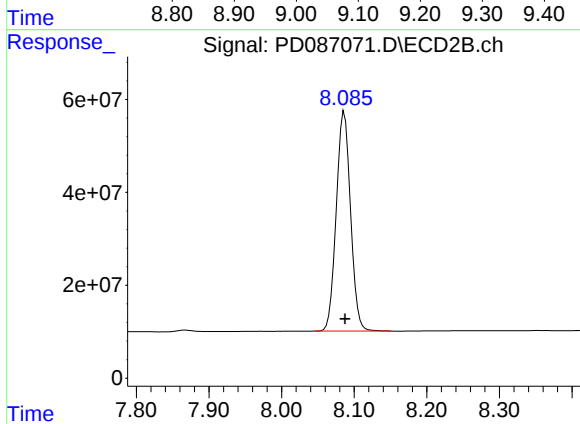
#27 Chlordane-5

R.T.: 6.090 min
Delta R.T.: -0.010 min
Response: 669329020
Conc: 1044.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 148749364
Conc: 46.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 646291785
Conc: 46.39 ng/ml