

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM
605 3rd Avenue
29th Floor
New York, NY - 10158
Phone No: 212-973-2900

ORDER ID : Q3395
ATTENTION : Rob Forstner



Laboratory Certification ID # 20012



1) PESTICIDE-TCL Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For Pesticide-TCL	13
9.1) Deuterated Monitoring Compound Summary	14
9.2) MS/MSD Summary	16
9.3) LCS/LCSD Summary	20
9.4) Method Blank Summary	21
10) Sample Data	22
10.1) PR132-S09-000051-20251017	23
10.2) PR132-S07-000102-20251017	28
10.3) PR132-S07-102116-20251017	34
10.4) PR132-COMP03-2025-20251017	38
11) Calibration Data Summary	42
11.1) Initial Calibration Data	43
11.1.1) PD101725	43
11.2) Continued Calibration Data	145
11.2.1) PD090777.D	145
11.2.2) PD090789.D	163
11.2.3) PEM Files	181
11.3) RESCHK Data	201
11.4) Analytical Seq	209
12) Compound Detection Summary	211
13) QC Sample Data	219
13.1) Method Blank Data	220
13.2) PIBLK Data	224
13.3) LCS Data	236
13.4) MS Data	251
13.5) MSD Data	266
14) Manual Integration	281

Table Of Contents for Q3395

15) Analytical Runlogs	284
16) Percent Solid	293
17) Extraction Logs	295
17.1) PB170213.pdf	295
17.2) PB170213IC.pdf	297
18) Standard Prep Logs	298
19) Shipping Document	351
19.1) Chain Of Custody	352
19.2) Lab Certificate	353
19.3) Internal COC	354

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

Cover Page

Order ID : Q3395

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3395-01
Q3395-02
Q3395-03
Q3395-04
Q3395-05
Q3395-06
Q3395-07

Client Sample Number

PR132-S09-000051-20251017
PR132-S07-000102-20251017
PR132-S07-000102-20251017MS
PR132-S07-000102-20251017MSD
PR132-S07-102116-20251017
PR132-COMP03-2025-20251017
PR132-S08-038048-20251017

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.

APPROVED

Signature :

By Nimisha Pandya, QA/QC Supervisor at 2:16 pm, Oct 31, 2025

Date: 10/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3395

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 10/17/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met requirements for all samples.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

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

F. Manual Integration Comments:

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

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



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

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 2:16 pm, Oct 31, 2025

Signature_____

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

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

ORDER ID: Q3395

MATRIX: Solid

METHOD: 8081B/3541

	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 requirements for all samples.			
The MSD recoveries met the requirements for all compounds.			
The Blank Spike met requirements for all compounds.			
The RPD were met for all analysis.			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

QA REVIEW

REVIEWED

Sohil Jodhani, QA/QC Director , 10/31/2025, 10:17:30 AM

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3395

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: 10/30/2025

LAB CHRONICLE

OrderID:	Q3395	OrderDate:	10/17/2025 4:25:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3395-01	PR132-S09-000051-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-02	PR132-S07-000102-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-05	PR132-S07-102116-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-06	PR132-COMP03-2025- 20251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3395

Order ID: Q3395

Client: AECOM

Project ID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S09-000051-20251017								
Q3395-01	PR132-S09-000051-2(	SOIL	4,4-DDE	1.10	JP	0.26	3.20	ug/kg
Q3395-01	PR132-S09-000051-2(	SOIL	gamma-Chlordane	0.49	J	0.28	3.20	ug/kg
Total Concentration:				1.590				
Client ID : PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102-2(	SOIL	Dieldrin	1.30	JP	0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDE	6.90		0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDD	1.50	J	0.31	3.50	ug/kg
Total Concentration:				9.700				



QC SUMMARY

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

Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090775.D	PIBLK-PD090775.D	Decachlorobiphen	1	20	21.7	109		57	171
		Tetrachloro-m-xyl	1	20	20.3	101		61	148
		Decachlorobiphen	2	20	24.9	124		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170213BL	PB170213BL	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	23.8	119		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
PB170213BS	PB170213BS	Decachlorobiphen	1	20	22.1	110		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	26.0	130		20	144
		Tetrachloro-m-xyl	2	20	18.3	91		19	148
Q3395-01	PR132-S09-000051-20251017	Decachlorobiphen	1	20	15.7	79		20	144
		Tetrachloro-m-xyl	1	20	16.9	84		19	148
		Decachlorobiphen	2	20	15.7	79		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-02	PR132-S07-000102-20251017	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	17.1	85		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-03MS	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	15.2	76		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	15.5	77		20	144
		Tetrachloro-m-xyl	2	20	15.5	78		19	148
Q3395-04MSD	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	16.4	82		19	148
Q3395-05	PR132-S07-102116-20251017	Decachlorobiphen	1	20	19.8	99		20	144
		Tetrachloro-m-xyl	1	20	18.2	91		19	148
		Decachlorobiphen	2	20	20.6	103		20	144
		Tetrachloro-m-xyl	2	20	19.4	97		19	148
Q3395-06	PR132-COMP03-2025-20251017	Decachlorobiphen	1	20	16.2	81		20	144
		Tetrachloro-m-xyl	1	20	17.5	87		19	148
		Decachlorobiphen	2	20	17.1	86		20	144
		Tetrachloro-m-xyl	2	20	19.1	96		19	148
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171

Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090788.D	PIBLK-PD090788.D	Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 Analytical Method: 8081B
Client: AECOM DataFile : PD090784.D

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3395-03MS (Column 1)	Client Sample ID:	PR132-S07-000102-2025101										
	alpha-BHC	34.78	0	31.9	ug/kg	92				60		144	
	beta-BHC	34.78	0	27.9	ug/kg	80				54		143	
	delta-BHC	34.78	0	32.6	ug/kg	94				29		151	
	gamma-BHC (Lindane)	34.78	0	31.9	ug/kg	92				61		140	
	Heptachlor	34.78	0	38.0	ug/kg	109				63		135	
	Aldrin	34.78	0	32.6	ug/kg	94				49		139	
	Heptachlor epoxide	34.78	0	33.3	ug/kg	96				41		156	
	Endosulfan I	34.78	0	32.6	ug/kg	94				56		142	
	Dieldrin	34.78	0.42	32.7	ug/kg	93				47		161	
	4,4'-DDE	34.78	6.90	36.6	ug/kg	85				55		136	
	Endrin	34.78	0	32.6	ug/kg	94				57		139	
	Endosulfan II	34.78	0	31.1	ug/kg	89				40		163	
	4,4'-DDD	34.78	1.50	34.6	ug/kg	95				47		163	
	Endosulfan sulfate	34.78	0	32.5	ug/kg	93				62		139	
	4,4'-DDT	34.78	0	33.8	ug/kg	97				51		146	
	Methoxychlor	34.78	0	33.5	ug/kg	96				54		136	
	Endrin ketone	34.78	0	33.7	ug/kg	97				60		129	
	Endrin aldehyde	34.78	0	32.9	ug/kg	95				59		132	
	alpha-Chlordane	34.78	0	36.2	ug/kg	104				39		166	
	gamma-Chlordane	34.78	0	30.8	ug/kg	89				44		175	
Lab Sample ID:	Q3395-03MS (Column 2)	Client Sample ID:	PR132-S07-000102-2025101										
	alpha-BHC	34.78	0	28.7	ug/kg	83				60		144	
	beta-BHC	34.78	0	28.9	ug/kg	83				54		143	
	delta-BHC	34.78	0	30.5	ug/kg	88				29		151	
	gamma-BHC (Lindane)	34.78	0	29.2	ug/kg	84				61		140	
	Heptachlor	34.78	0	31.9	ug/kg	92				63		135	
	Aldrin	34.78	0	29.7	ug/kg	85				49		139	
	Heptachlor epoxide	34.78	0	31.2	ug/kg	90				41		156	
	Endosulfan I	34.78	0	26.7	ug/kg	77				56		142	
	Dieldrin	34.78	1.30	31.4	ug/kg	87				47		161	
	4,4'-DDE	34.78	5.30	33.5	ug/kg	81				55		136	
	Endrin	34.78	0	29.7	ug/kg	85				57		139	
	Endosulfan II	34.78	0	30.9	ug/kg	89				40		163	
	4,4'-DDD	34.78	1.00	29.7	ug/kg	83				47		163	
	Endosulfan sulfate	34.78	0	30.8	ug/kg	89				62		139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
		Result	Result							High		
4,4'-DDT	34.78	0	30.9	ug/kg	89				51	146		
Methoxychlor	34.78	0	32.0	ug/kg	92				54	136		
Endrin ketone	34.78	0	30.2	ug/kg	87				60	129		
Endrin aldehyde	34.78	0	31.0	ug/kg	89				59	132		
alpha-Chlordane	34.78	0	31.0	ug/kg	89				39	166		
gamma-Chlordane	34.78	0	31.6	ug/kg	91				44	175		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 Analytical Method: 8081B
Client: AECOM DataFile : PD090785.D

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3395-04MSD (Column 1)	Client Sample ID:		PR132-S07-000102-2025101									
	alpha-BHC	34.7	0	31.9	ug/kg	92		0		60	144	20	
	beta-BHC	34.7	0	26.3	ug/kg	76		5		54	143	20	
	delta-BHC	34.7	0	32.6	ug/kg	94		0		29	151	20	
	gamma-BHC (Lindane)	34.7	0	31.9	ug/kg	92		0		61	140	20	
	Heptachlor	34.7	0	38.1	ug/kg	110		1		63	135	20	
	Aldrin	34.7	0	32.6	ug/kg	94		0		49	139	20	
	Heptachlor epoxide	34.7	0	32.4	ug/kg	93		3		41	156	20	
	Endosulfan I	34.7	0	31.9	ug/kg	92		2		56	142	20	
	Dieldrin	34.7	0.42	32.9	ug/kg	94		1		47	161	20	
	4,4'-DDE	34.7	6.90	37.2	ug/kg	87		2		55	136	20	
	Endrin	34.7	0	32.1	ug/kg	93		1		57	139	20	
	Endosulfan II	34.7	0	31.5	ug/kg	91		2		40	163	20	
	4,4'-DDD	34.7	1.50	34.4	ug/kg	95		0		47	163	20	
	Endosulfan sulfate	34.7	0	32.5	ug/kg	94		1		62	139	20	
	4,4'-DDT	34.7	0	34.0	ug/kg	98		1		51	146	20	
	Methoxychlor	34.7	0	33.2	ug/kg	96		0		54	136	20	
	Endrin ketone	34.7	0	34.1	ug/kg	98		1		60	129	20	
	Endrin aldehyde	34.7	0	32.8	ug/kg	95		0		59	132	20	
	alpha-Chlordane	34.7	0	31.4	ug/kg	90		14		39	166	20	
	gamma-Chlordane	34.7	0	31.0	ug/kg	89		0		44	175	20	
Lab Sample ID:	Q3395-04MSD (Column 2)	Client Sample ID:		PR132-S07-000102-2025101									
	alpha-BHC	34.7	0	28.6	ug/kg	82		1		60	144	20	
	beta-BHC	34.7	0	28.9	ug/kg	83		0		54	143	20	
	delta-BHC	34.7	0	30.3	ug/kg	87		1		29	151	20	
	gamma-BHC (Lindane)	34.7	0	29.1	ug/kg	84		0		61	140	20	
	Heptachlor	34.7	0	32.0	ug/kg	92		0		63	135	20	
	Aldrin	34.7	0	29.7	ug/kg	86		1		49	139	20	
	Heptachlor epoxide	34.7	0	30.7	ug/kg	88		2		41	156	20	
	Endosulfan I	34.7	0	26.5	ug/kg	76		1		56	142	20	
	Dieldrin	34.7	1.30	31.4	ug/kg	87		0		47	161	20	
	4,4'-DDE	34.7	5.30	33.4	ug/kg	81		0		55	136	20	
	Endrin	34.7	0	29.1	ug/kg	84		1		57	139	20	
	Endosulfan II	34.7	0	31.1	ug/kg	90		1		40	163	20	
	4,4'-DDD	34.7	1.00	29.5	ug/kg	82		1		47	163	20	
	Endosulfan sulfate	34.7	0	30.6	ug/kg	88		1		62	139	20	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090785.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	34.7	0	30.8	ug/kg	89		0		51	146	20
Methoxychlor	34.7	0	32.5	ug/kg	94		2		54	136	20
Endrin ketone	34.7	0	29.9	ug/kg	86		1		60	129	20
Endrin aldehyde	34.7	0	30.8	ug/kg	89		0		59	132	20
alpha-Chlordane	34.7	0	30.8	ug/kg	89		0		39	166	20
gamma-Chlordane	34.7	0	31.3	ug/kg	90		1		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090779.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170213BS (Column 1)	alpha-BHC	16.65	15.4	ug/kg	92				84	123	
	beta-BHC	16.65	15.1	ug/kg	91				82	123	
	delta-BHC	16.65	15.6	ug/kg	94				83	126	
	gamma-BHC (Lindane)	16.65	15.2	ug/kg	91				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	15.4	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.9	ug/kg	95				83	120	
	Endosulfan I	16.65	15.6	ug/kg	94				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.1	ug/kg	91				81	123	
	Endrin	16.65	15.5	ug/kg	93				76	130	
	Endosulfan II	16.65	16.2	ug/kg	97				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	16.0	ug/kg	96				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	16.3	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.65	15.3	ug/kg	92				83	122	
	PB170213BS (Column 2)	alpha-BHC	16.65	15.7	ug/kg	94				84	123
beta-BHC		16.65	15.6	ug/kg	94				82	123	
delta-BHC		16.65	15.9	ug/kg	95				83	126	
gamma-BHC (Lindane)		16.65	15.7	ug/kg	94				83	125	
Heptachlor		16.65	16.2	ug/kg	97				83	122	
Aldrin		16.65	15.9	ug/kg	95				82	124	
Heptachlor epoxide		16.65	15.8	ug/kg	95				83	120	
Endosulfan I		16.65	15.1	ug/kg	91				81	124	
Dieldrin		16.65	16.3	ug/kg	98				85	121	
4,4'-DDE		16.65	16.4	ug/kg	98				81	123	
Endrin		16.65	16.5	ug/kg	99				76	130	
Endosulfan II		16.65	16.6	ug/kg	100				80	125	
4,4'-DDD		16.65	16.8	ug/kg	101				80	131	
Endosulfan sulfate		16.65	16.7	ug/kg	100				81	122	
4,4'-DDT		16.65	17.0	ug/kg	102				70	129	
Methoxychlor		16.65	16.8	ug/kg	101				60	119	
Endrin ketone		16.65	17.5	ug/kg	105				77	132	
Endrin aldehyde		16.65	17.1	ug/kg	103				79	124	
alpha-Chlordane		16.65	16.0	ug/kg	96				84	120	
gamma-Chlordane		16.65	16.1	ug/kg	97				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170213BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BL

Lab File ID: PD090778.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025

Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16

Time Analyzed (2): 13:16

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170213BS	PB170213BS	PD090779.D	10/23/2025	10/23/2025
PR132-S09-000051-20251017	Q3395-01	PD090782.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017	Q3395-02	PD090783.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PD090784.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PD090785.D	10/23/2025	10/23/2025
PR132-S07-102116-20251017	Q3395-05	PD090786.D	10/23/2025	10/23/2025
PR132-COMP03-2025-20251017	Q3395-06	PD090787.D	10/23/2025	10/23/2025

COMMENTS: _____



SAMPLE DATA

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



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52.9
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/23/25 14:16	PB170213
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/23/25 14:16	PB170213
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-55-9	4,4-DDE	1.10	JP	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/23/25 14:16	PB170213
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
5103-74-2	gamma-Chlordane	0.49	J	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
8001-35-2	Toxaphene	62.3	U	1	10.2	62.3	ug/kg	10/23/25 14:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.7			20 - 144	79%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
Data File : PD090782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:16
Operator : AR\AJ
Sample : Q3395-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PR132-S09-000051-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:13:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.873	52502271	519.5E6	16.859m	17.445
28) SA Decachlor...	9.065	8.061	73637578	475.6E6	15.741	15.699
Target Compounds						
10) B gamma-Chl...	5.941	5.116	4654188	31441236	0.785	0.699
12) B 4,4'-DDE	6.189	5.364	8935129	50994060	1.677	1.163 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:16
Operator : AR\AJ
Sample : Q3395-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

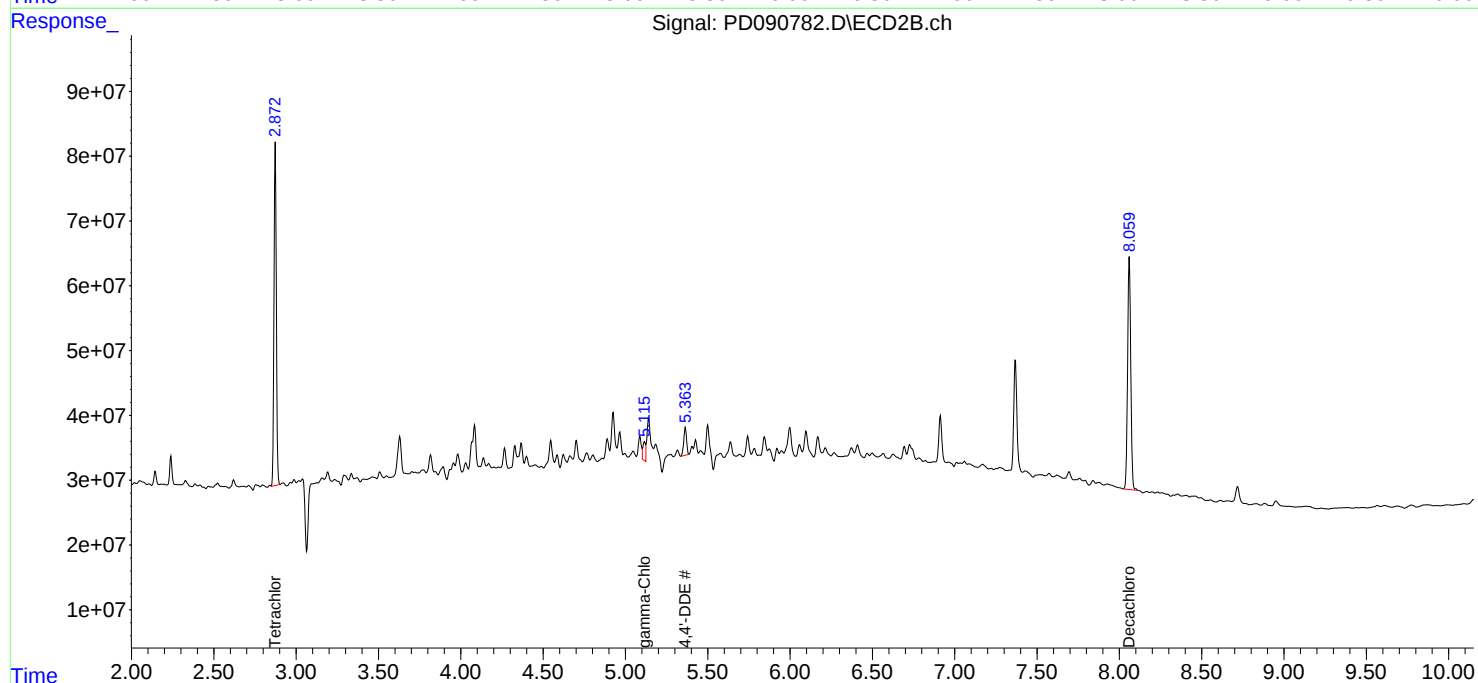
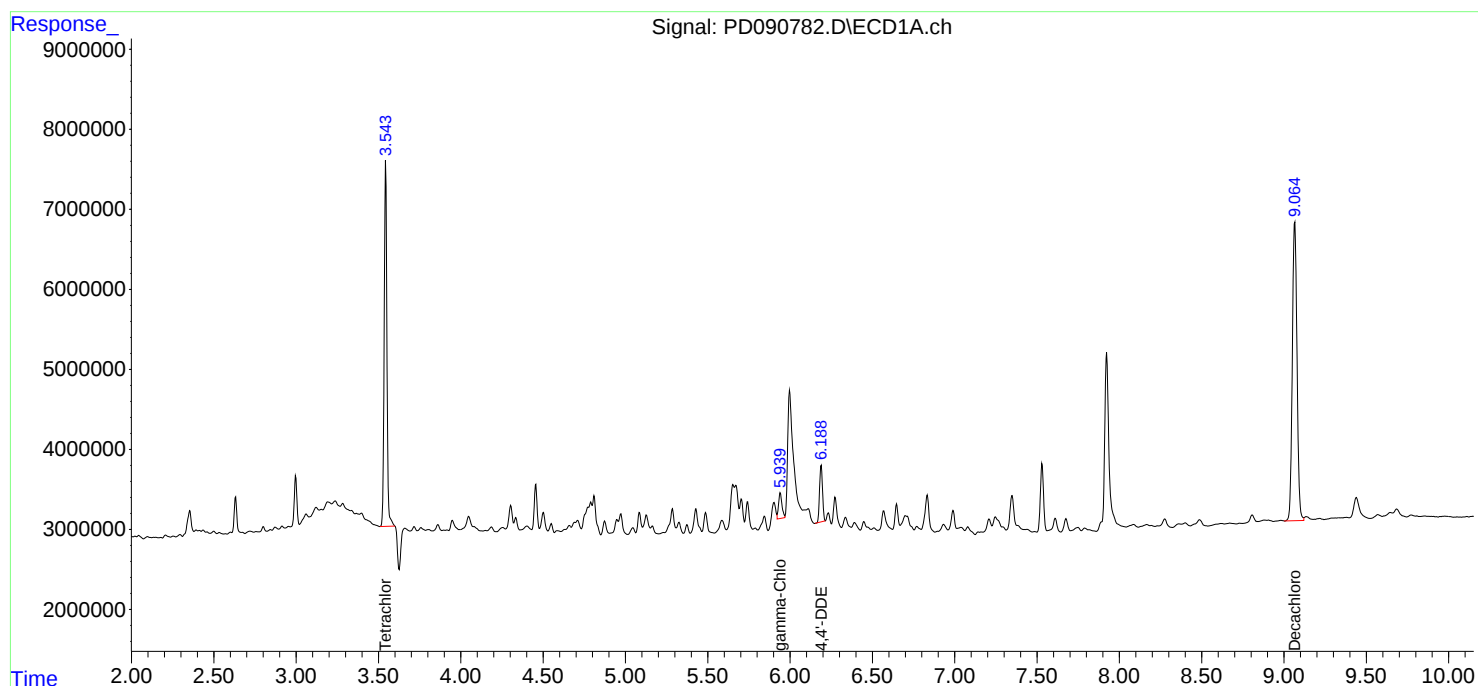
Instrument :
ECD_D
ClientSampleId :
PR132-S09-000051-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:13:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090782.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 52502271
Conc: 16.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S09-000051-20251017

Manual Integrations
APPROVED

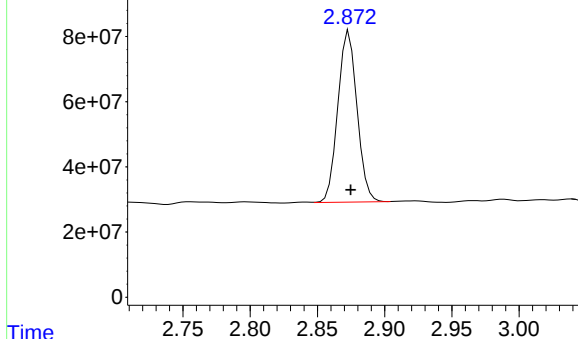
Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090782.D\ECD2B.ch

#1 Tetrachloro-m-xylene

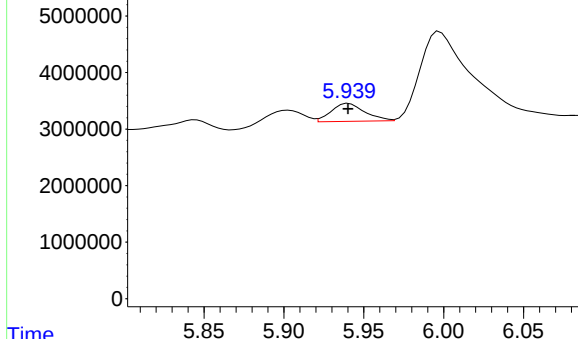
R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 519461941
Conc: 17.44 ng/ml



Response_ Signal: PD090782.D\ECD1A.ch

#10 gamma-Chlordane

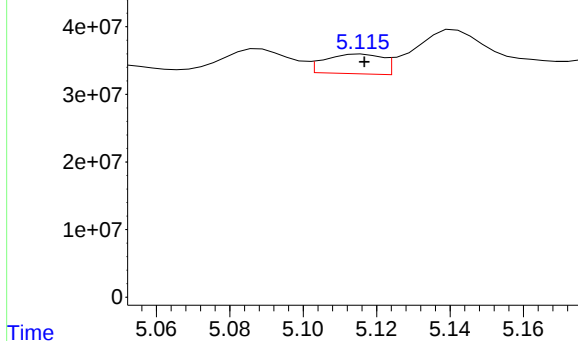
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 4654188
Conc: 0.78 ng/ml

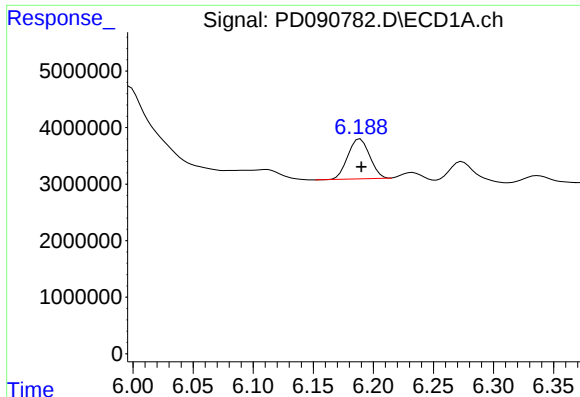


Response_ Signal: PD090782.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 31441236
Conc: 0.70 ng/ml





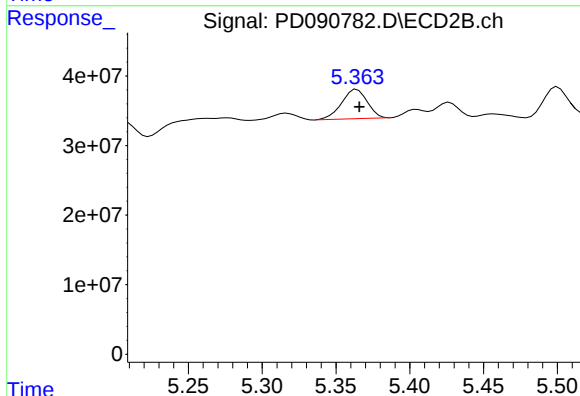
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 8935129
Conc: 1.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S09-000051-20251017

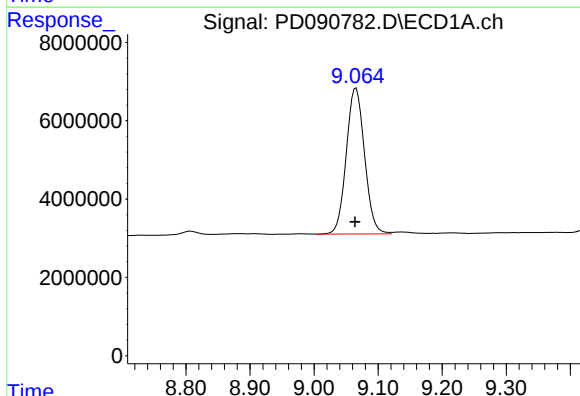
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



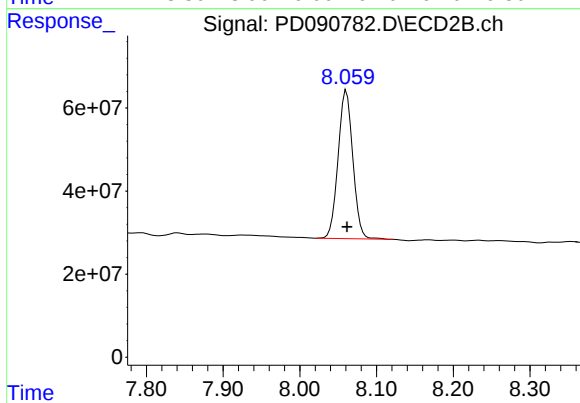
#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 50994060
Conc: 1.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.001 min
Response: 73637578
Conc: 15.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 475552919
Conc: 15.70 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
319-85-7	beta-BHC	3.50	U	1	0.38	3.50	ug/kg	10/23/25 14:30	PB170213
319-86-8	delta-BHC	3.50	U	1	0.81	3.50	ug/kg	10/23/25 14:30	PB170213
58-89-9	gamma-BHC (Lindane)	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
76-44-8	Heptachlor	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
309-00-2	Aldrin	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
1024-57-3	Heptachlor epoxide	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
959-98-8	Endosulfan I	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
60-57-1	Dieldrin	1.30	JP	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-55-9	4,4-DDE	6.90		1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-20-8	Endrin	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
33213-65-9	Endosulfan II	3.50	U	1	0.60	3.50	ug/kg	10/23/25 14:30	PB170213
72-54-8	4,4-DDD	1.50	J	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
1031-07-8	Endosulfan Sulfate	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
50-29-3	4,4-DDT	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-43-5	Methoxychlor	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
53494-70-5	Endrin ketone	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
7421-93-4	Endrin aldehyde	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
5103-71-9	alpha-Chlordane	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
5103-74-2	gamma-Chlordane	3.50	U	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
8001-35-2	Toxaphene	68.8	U	1	11.3	68.8	ug/kg	10/23/25 14:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

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\PD102325\
Data File : PD090783.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:30
Operator : AR\AJ
Sample : Q3395-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.873	50024130	519.6E6	16.063m	17.449
28) SA Decachlor...	9.066	8.060	79562023	517.4E6	17.008	17.081
Target Compounds						
12) B 4,4'-DDE	6.189	5.364	53238373	331.9E6	9.995	7.570
13) MA Dieldrin	6.340	5.499	3537749	84864198	0.607m	1.921m#
16) A 4,4'-DDD	6.697	5.919	8854300	54693655	2.184m	1.501m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090783.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:30
Operator : AR\AJ
Sample : Q3395-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

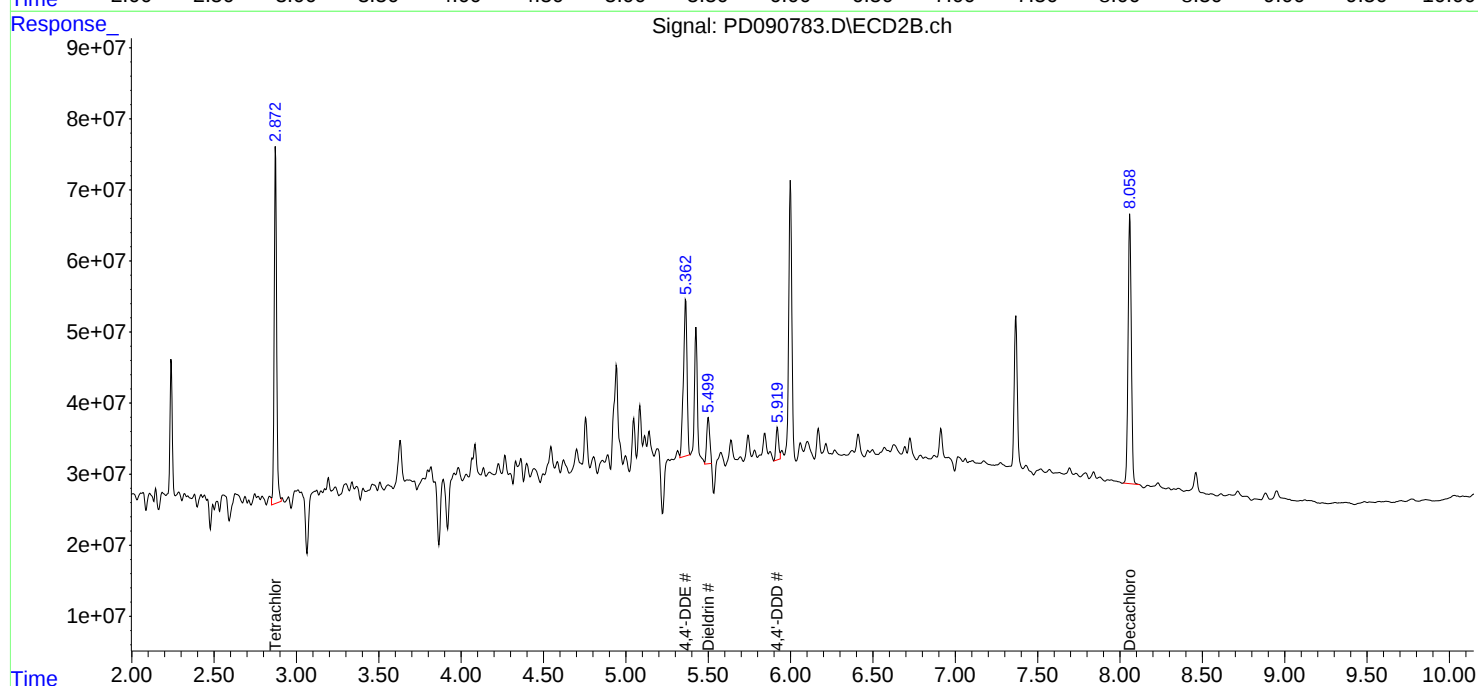
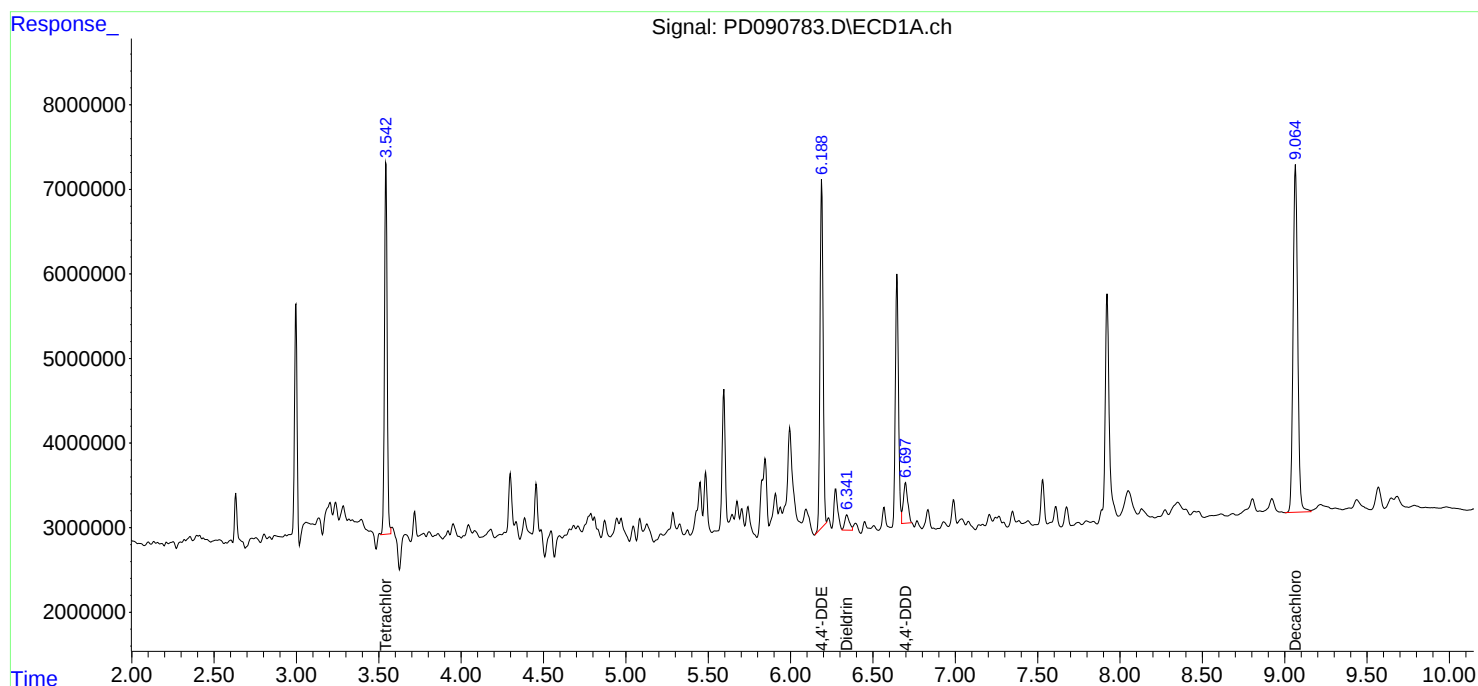
Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017

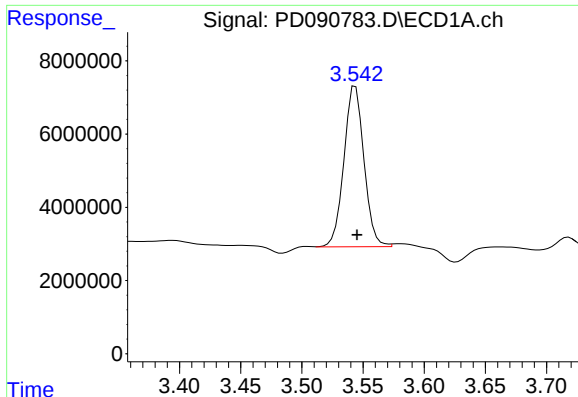
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





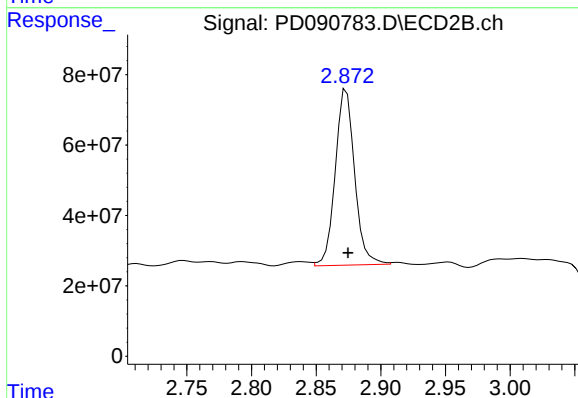
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 50024130
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017

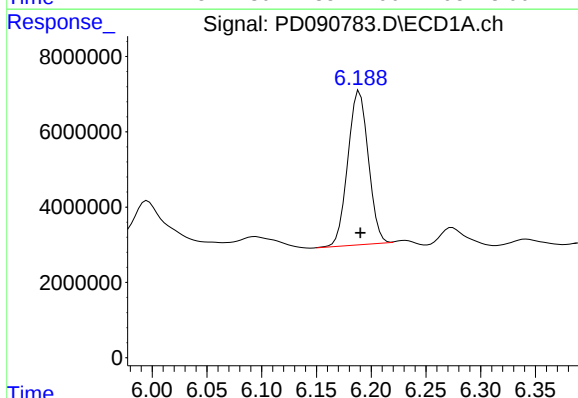
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



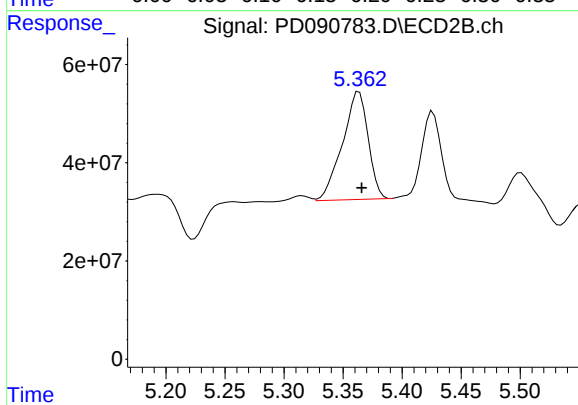
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 519591275
Conc: 17.45 ng/ml



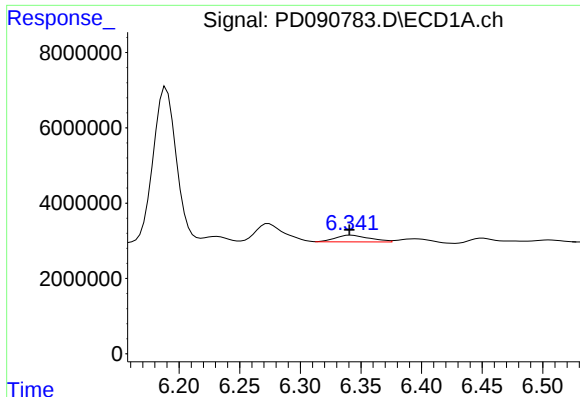
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 53238373
Conc: 9.99 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 331854292
Conc: 7.57 ng/ml



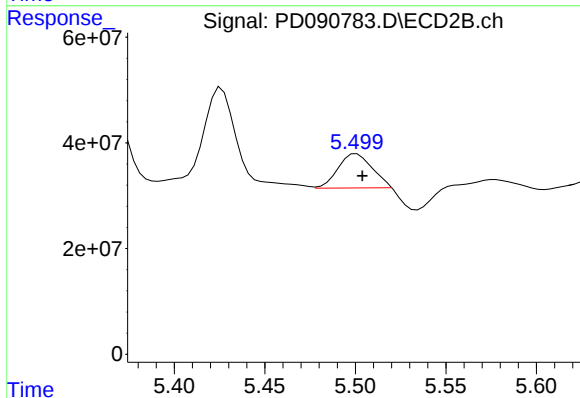
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 3537749
Conc: 0.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017

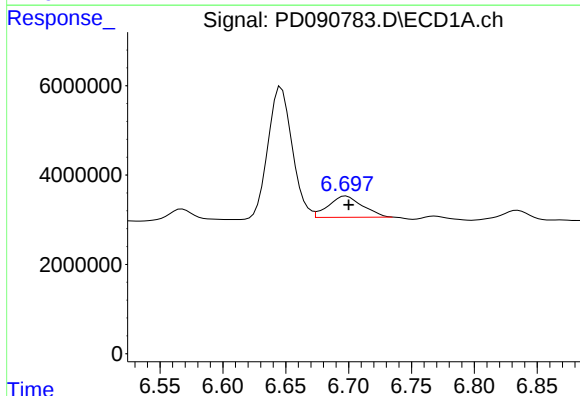
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



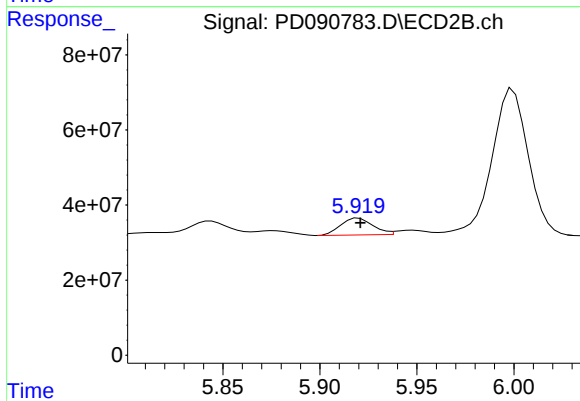
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.005 min
Response: 84864198
Conc: 1.92 ng/ml m



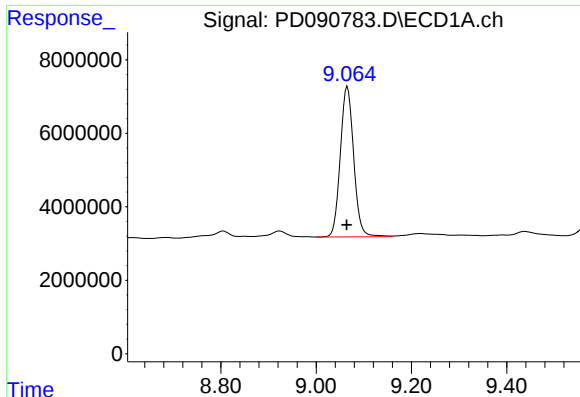
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 8854300
Conc: 2.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 54693655
Conc: 1.50 ng/ml m



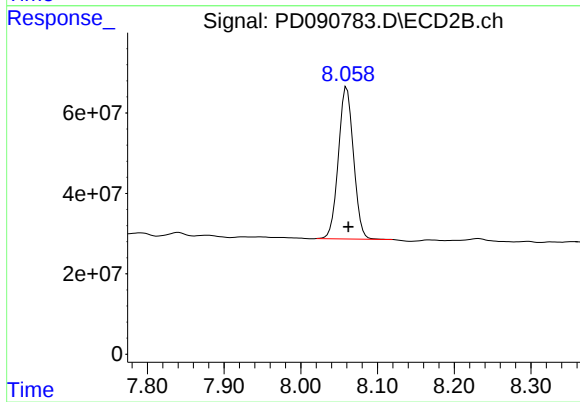
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 79562023
Conc: 17.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 517418207
Conc: 17.08 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/17/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/17/25	
Client Sample ID: PR132-S07-102116-20251017	SDG No.: Q3395	
Lab Sample ID: Q3395-05	Matrix: SOIL	
Analytical Method: 8081B	% Solid: 51.4	
Sample Wt/Vol: 30.05 g	Test: Pesticide-TCL	Final Vol: 10000 uL
Prep Method: SW3541	Prep Date: 10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/23/25 15:11	PB170213
319-86-8	delta-BHC	3.30	U	1	0.76	3.30	ug/kg	10/23/25 15:11	PB170213
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-55-9	4,4-DDE	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/23/25 15:11	PB170213
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-43-5	Methoxychlor	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
7421-93-4	Endrin aldehyde	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
8001-35-2	Toxaphene	64.1	U	1	10.5	64.1	ug/kg	10/23/25 15:11	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.4			19 - 148	97%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
Data File : PD090786.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:11
Operator : AR\AJ
Sample : Q3395-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PR132-S07-102116-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.873	56746216	578.7E6	18.222m	19.434
28) SA Decachlor...	9.066	8.061	92409981	624.1E6	19.754	20.604

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090786.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:11
Operator : AR\AJ
Sample : Q3395-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

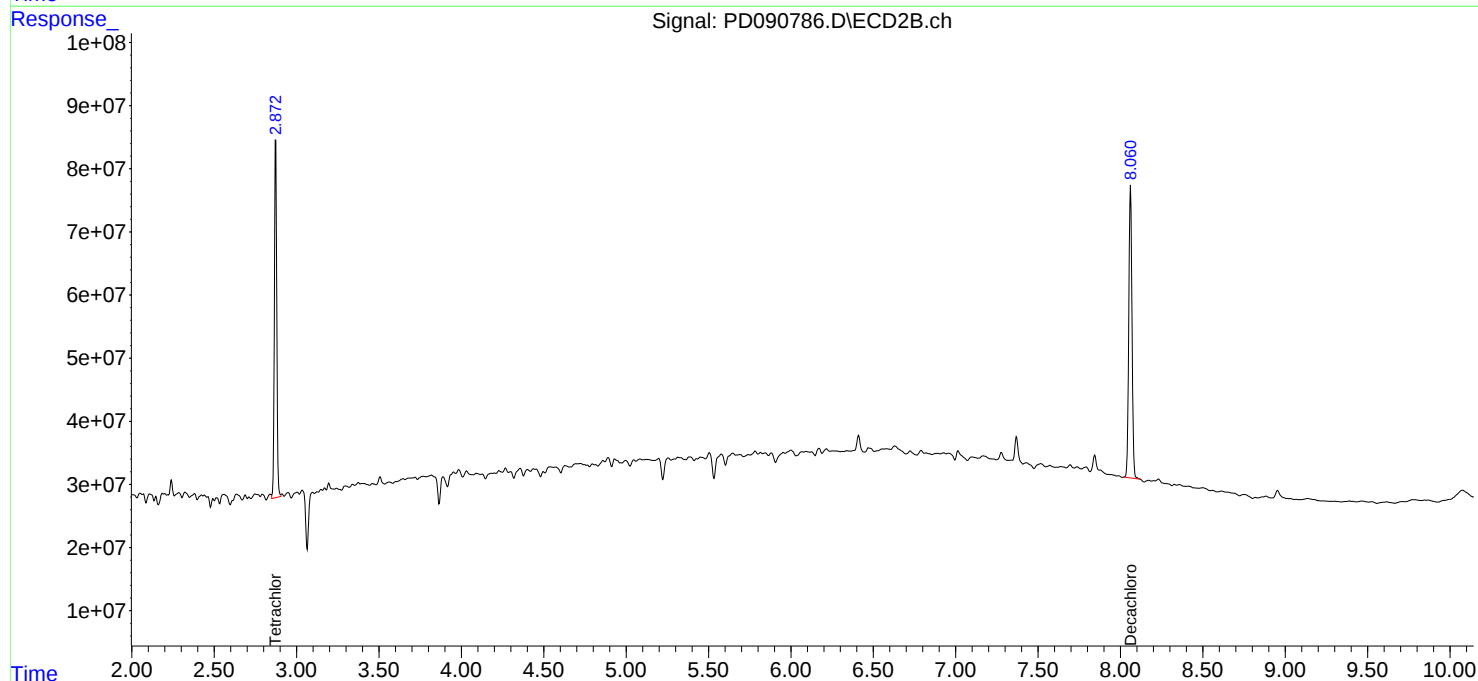
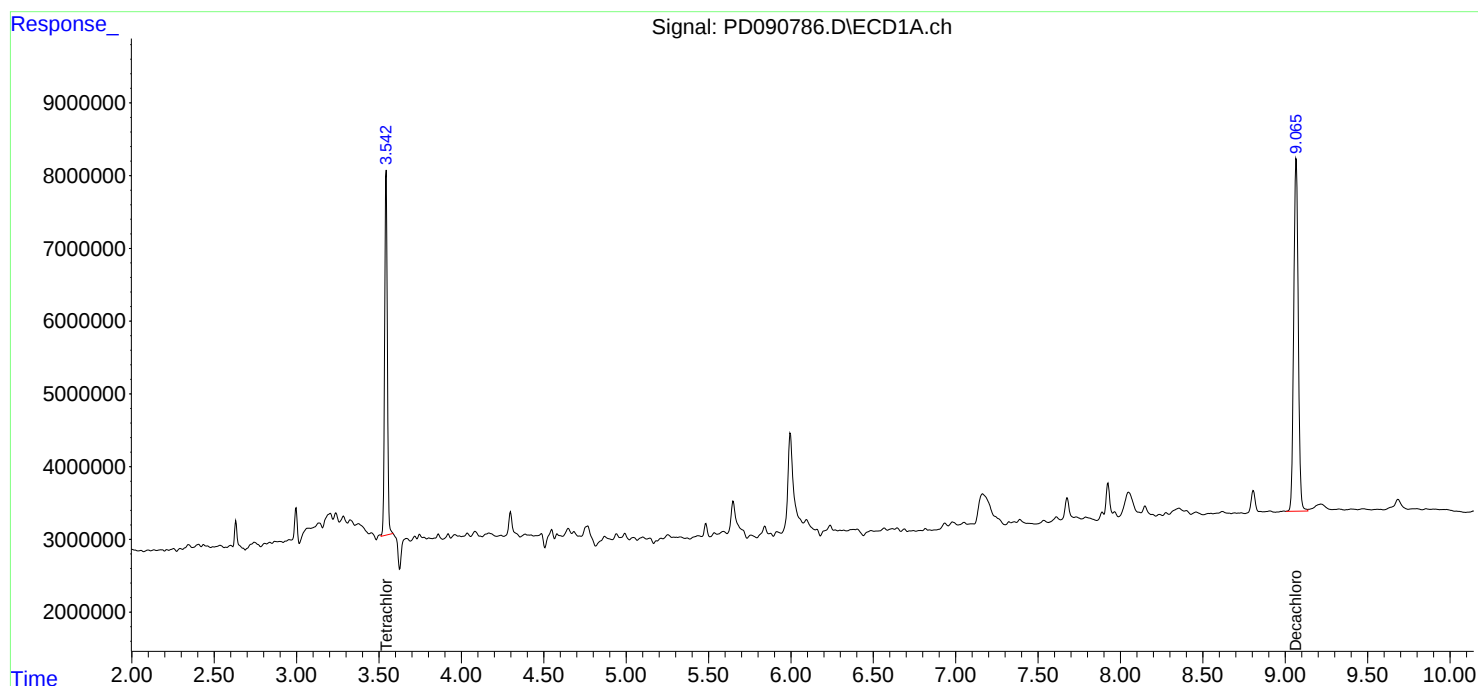
Instrument :
ECD_D
ClientSampleId :
PR132-S07-102116-20251017

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090786.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 56746216
Conc: 18.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-102116-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.70

Response_ Signal: PD090786.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 578698217
Conc: 19.43 ng/ml

Time 2.75 2.80 2.85 2.90 2.95 3.00

Response_ Signal: PD090786.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 92409981
Conc: 19.75 ng/ml

Time 8.70 8.80 8.90 9.00 9.10 9.20 9.30 9.40

Response_ Signal: PD090786.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 624116247
Conc: 20.60 ng/ml

Time 7.80 7.90 8.00 8.10 8.20 8.30

Report of Analysis

Client: AECOM	Date Collected: 10/17/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/17/25	
Client Sample ID: PR132-COMP03-2025-20251017	SDG No.: Q3395	
Lab Sample ID: Q3395-06	Matrix: SOIL	
Analytical Method: 8081B	% Solid: 69.8	
Sample Wt/Vol: 30.03 g	Test: Pesticide-TCL	Final Vol: 10000 uL
Prep Method: SW3541	Prep Date: 10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
319-85-7	beta-BHC	2.40	U	1	0.26	2.40	ug/kg	10/23/25 15:25	PB170213
319-86-8	delta-BHC	2.40	U	1	0.56	2.40	ug/kg	10/23/25 15:25	PB170213
58-89-9	gamma-BHC (Lindane)	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
76-44-8	Heptachlor	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
309-00-2	Aldrin	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
1024-57-3	Heptachlor epoxide	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
959-98-8	Endosulfan I	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
60-57-1	Dieldrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-55-9	4,4-DDE	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-20-8	Endrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
33213-65-9	Endosulfan II	2.40	U	1	0.42	2.40	ug/kg	10/23/25 15:25	PB170213
72-54-8	4,4-DDD	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
1031-07-8	Endosulfan Sulfate	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
50-29-3	4,4-DDT	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-43-5	Methoxychlor	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
53494-70-5	Endrin ketone	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
7421-93-4	Endrin aldehyde	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
5103-71-9	alpha-Chlordane	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
5103-74-2	gamma-Chlordane	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
8001-35-2	Toxaphene	47.2	U	1	7.70	47.2	ug/kg	10/23/25 15:25	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.1			19 - 148	96%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
Data File : PD090787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:25
Operator : AR\AJ
Sample : Q3395-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PR132-COMP03-2025-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.873	54382984	570.0E6	17.463m	19.142
28) SA Decachlor...	9.065	8.060	75928729	518.9E6	16.231	17.130

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:25
Operator : AR\AJ
Sample : Q3395-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

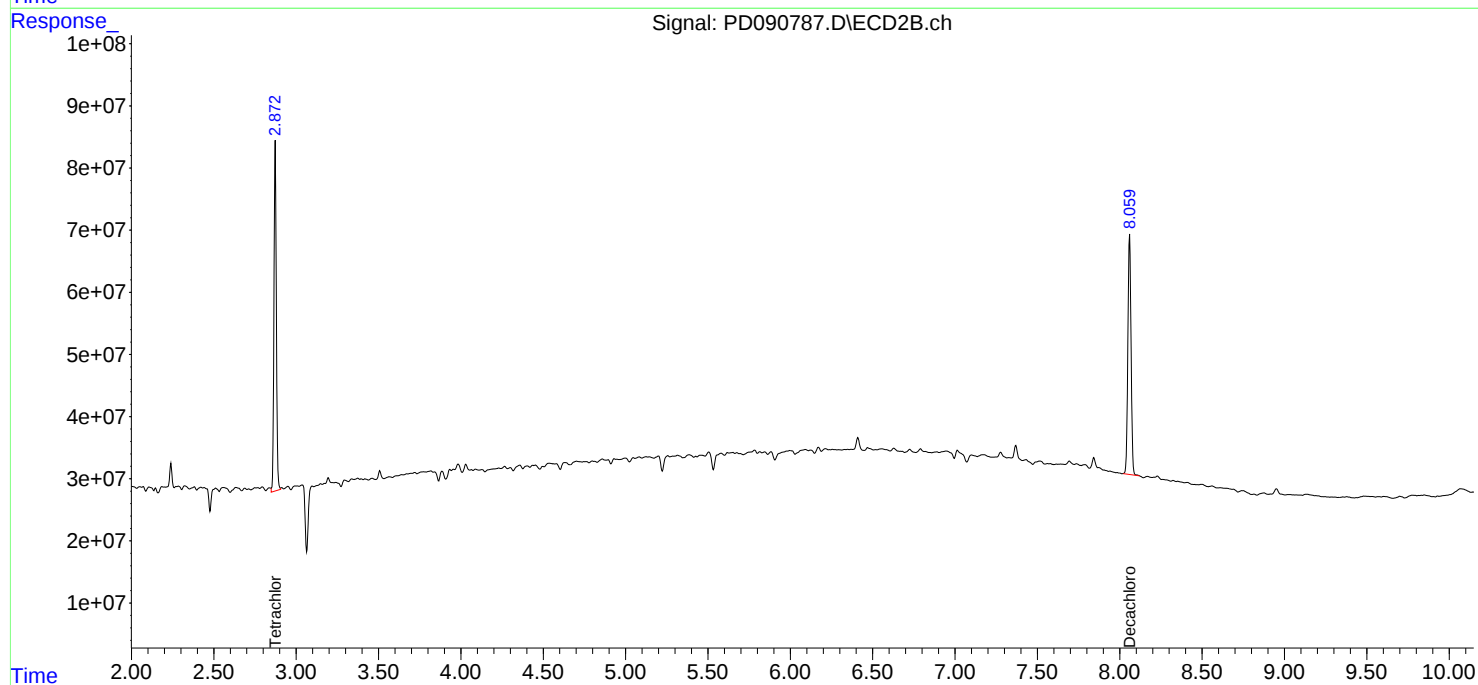
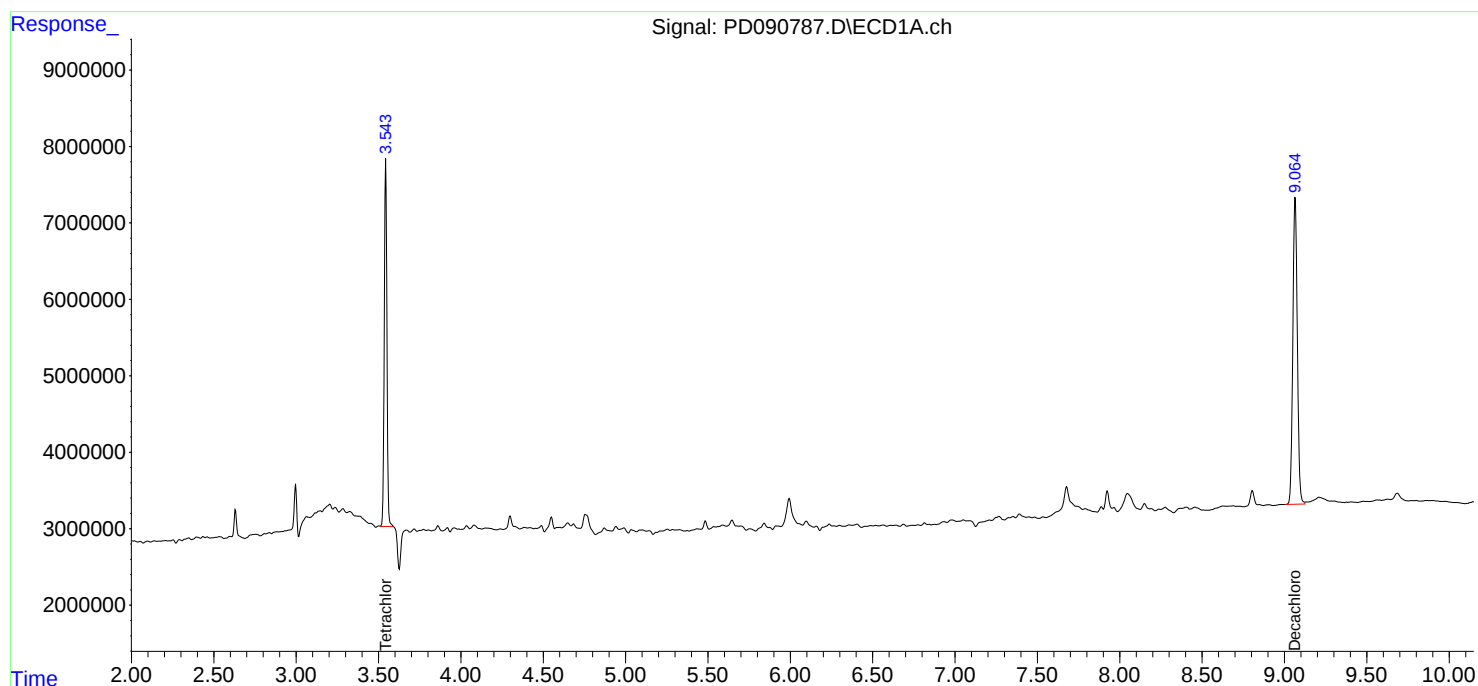
Instrument :
ECD_D
ClientSampleId :
PR132-COMP03-2025-20251017

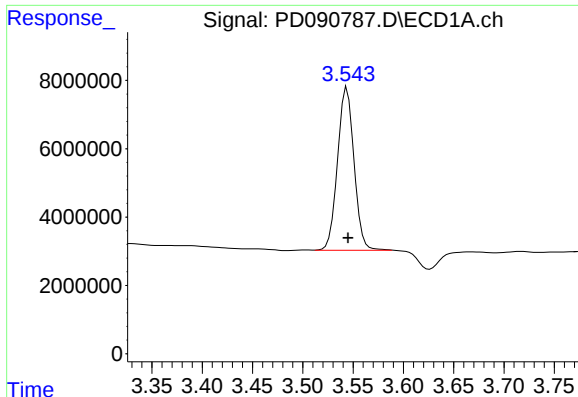
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





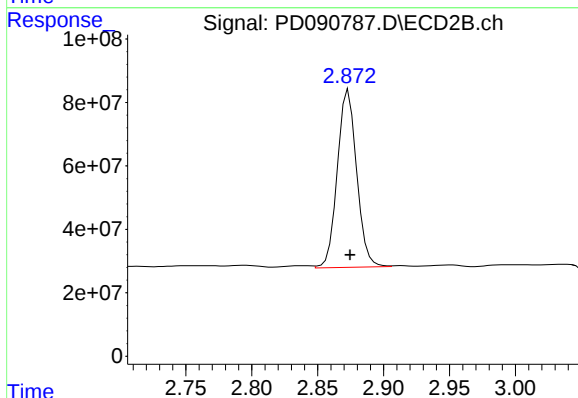
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 54382984
Conc: 17.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-COMP03-2025-20251017

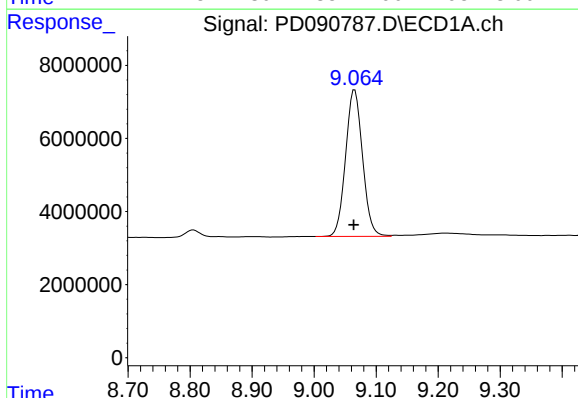
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



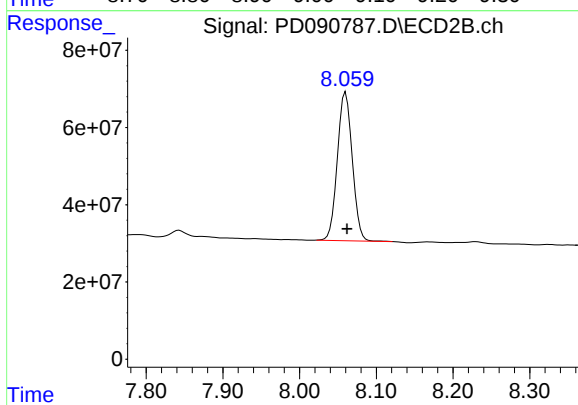
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 570002807
Conc: 19.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.001 min
Response: 75928729
Conc: 16.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 518887563
Conc: 17.13 ng/ml



CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3395</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3395</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3395
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =	<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3395
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 = <u>PD090650.D</u>		CF 075 = <u>PD090651.D</u>			
CF 050 = <u>PD090652.D</u>		CF 025 = <u>PD090653.D</u>		CF 005 = <u>PD090654.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Instrument ID: ECD_D Date(s) Analyzed: 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Instrument ID: ECD_D Date(s) Analyzed: 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:34
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: Oct 17 13:33:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.874	301.1E6	2790.3E6	99.682	98.737
28) SA Decachlor...	9.066	8.061	436.1E6	2885.7E6	98.364	99.224
Target Compounds						
2) A alpha-BHC	3.994	3.386	775.3E6	4911.8E6	103.334	99.427
3) MA gamma-BHC...	4.324	3.722	718.6E6	4496.5E6	102.762	98.892
4) MA Heptachlor	4.922	4.075	575.8E6	4127.2E6	101.879	97.673
5) MB Aldrin	5.264	4.360	669.4E6	4308.4E6	101.342	97.787
6) B beta-BHC	4.511	4.019	251.5E6	1829.7E6	99.502	97.902
7) B delta-BHC	4.760	4.255	716.9E6	4532.5E6	102.853	98.756
8) B Heptachlo...	5.685	4.864	579.6E6	3820.3E6	100.668	96.869
9) A Endosulfan I	6.068	5.238	545.2E6	3572.9E6	100.030	96.676
10) B gamma-Chl...	5.940	5.117	597.2E6	4192.1E6	100.988	97.867
11) B alpha-Chl...	6.020	5.181	596.6E6	4000.4E6	100.230	97.693
12) B 4,4'-DDE	6.190	5.366	543.6E6	4050.1E6	101.097	97.534
13) MA Dieldrin	6.341	5.504	593.0E6	4060.1E6	100.951	97.019
14) MA Endrin	6.568	5.780	503.6E6	3690.2E6	100.979	96.725
15) B Endosulfa...	6.781	6.072	487.3E6	3427.0E6	99.879	96.941
16) A 4,4'-DDD	6.700	5.920	415.1E6	3370.9E6	101.164	97.326
17) MA 4,4'-DDT	7.016	6.174	425.7E6	3388.8E6	101.658	98.574
18) B Endrin al...	6.910	6.250	350.6E6	2511.1E6	99.070	96.573
19) B Endosulfa...	7.145	6.474	455.7E6	3296.3E6	100.010	97.059
20) A Methoxychlor	7.489	6.745	205.0E6	1611.7E6	99.308	96.752
21) B Endrin ke...	7.625	6.982	482.0E6	3446.0E6	100.390	97.056
22) Mirex	8.107	7.175	295.5E6	2331.6E6	97.723	97.238

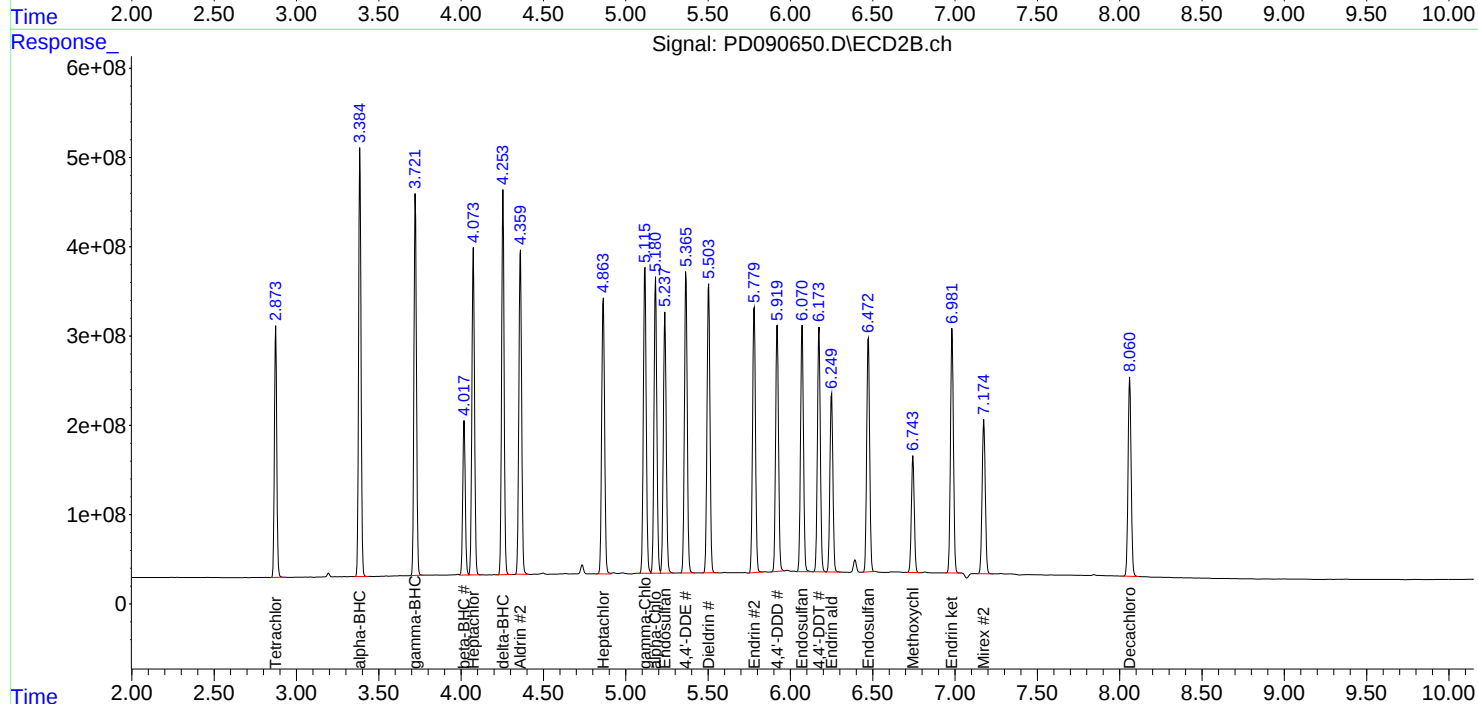
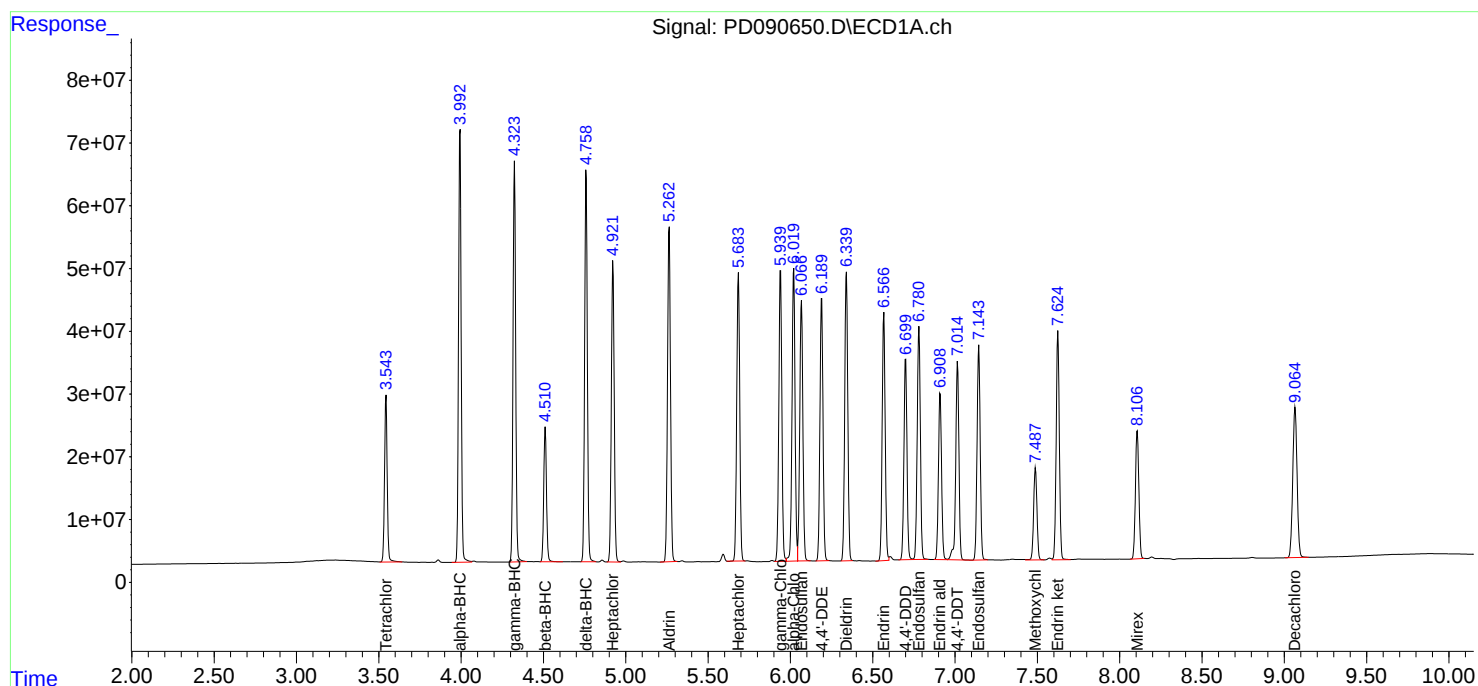
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:34
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

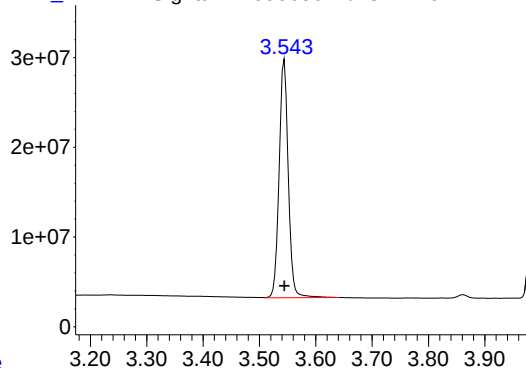
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:33:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090650.D\ECD1A.ch

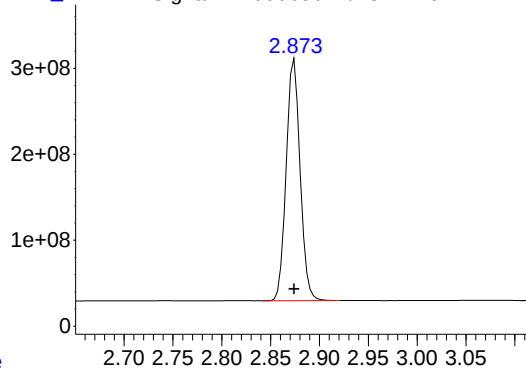


#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 301086012
Conc: 99.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

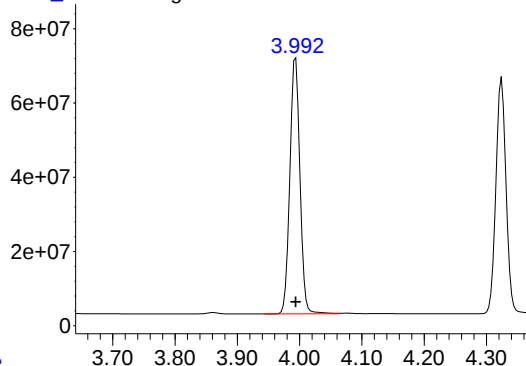
Time Response_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 2790335064
Conc: 98.74 ng/ml

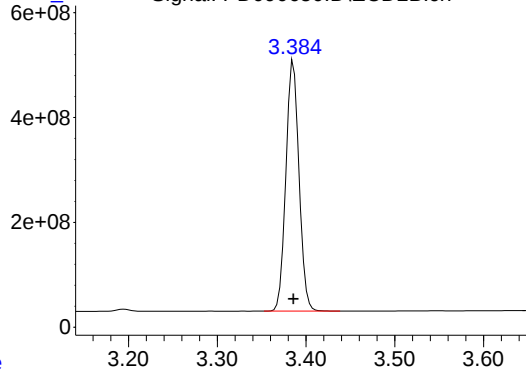
Time Response_ Signal: PD090650.D\ECD1A.ch



#2 alpha-BHC

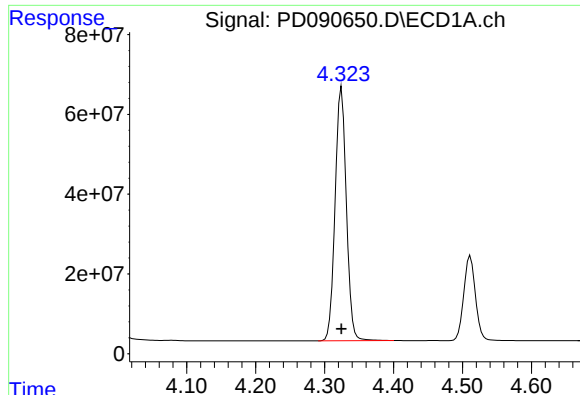
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 775252906
Conc: 103.33 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#2 alpha-BHC

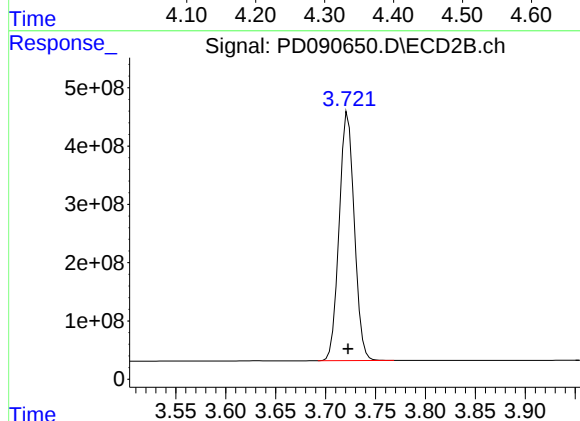
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 4911798337
Conc: 99.43 ng/ml



#3 gamma-BHC (Lindane)

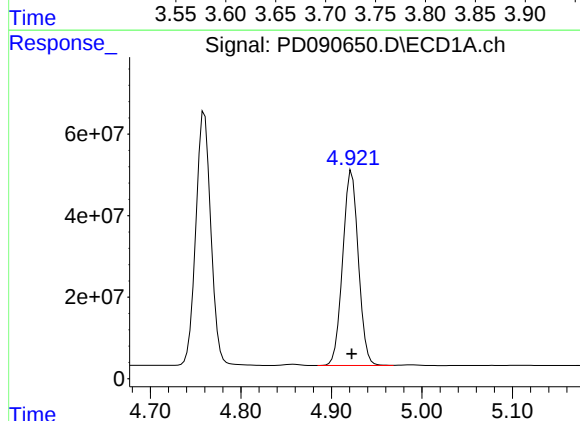
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 718588040
Conc: 102.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



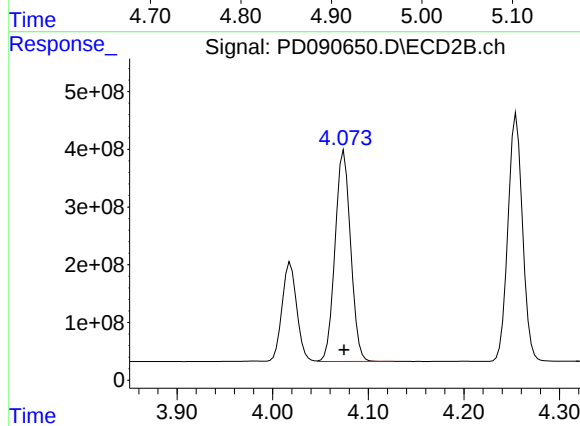
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 4496483491
Conc: 98.89 ng/ml



#4 Heptachlor

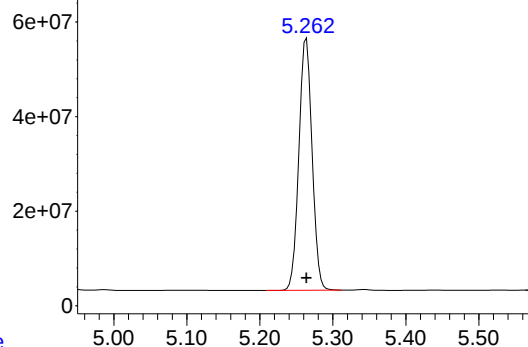
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 575791141
Conc: 101.88 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 4127234386
Conc: 97.67 ng/ml

Response_ Signal: PD090650.D\ECD1A.ch

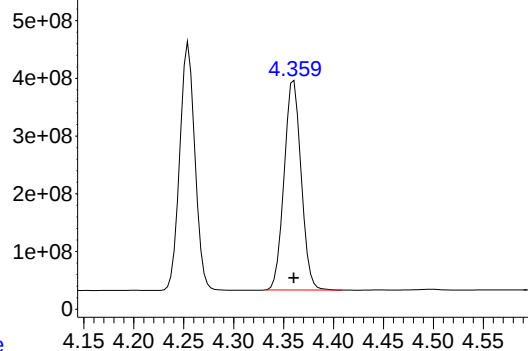


#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 669423227
Conc: 101.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

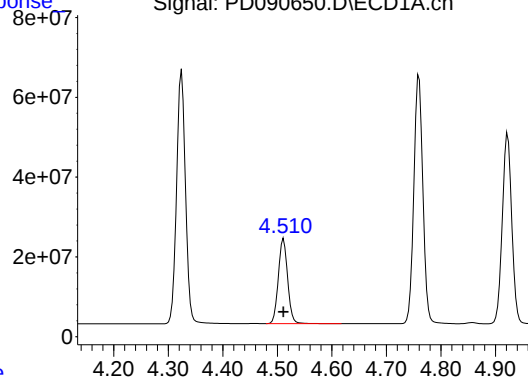
Time Response_ Signal: PD090650.D\ECD2B.ch



#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 4308380411
Conc: 97.79 ng/ml

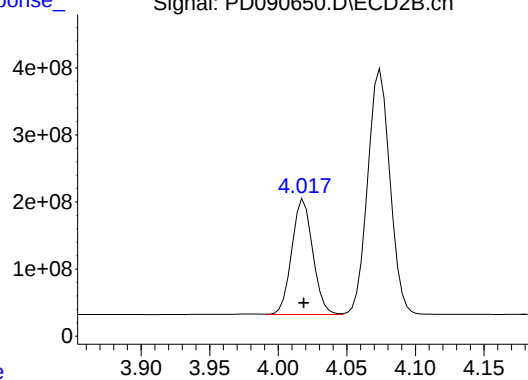
Time Response_ Signal: PD090650.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 251520811
Conc: 99.50 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1829668615
Conc: 97.90 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.760 min

Delta R.T.: 0.000 min

Response: 716926396

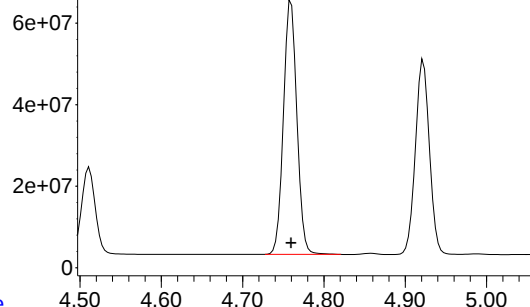
Conc: 102.85 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PD090650.D\ECD2B.ch

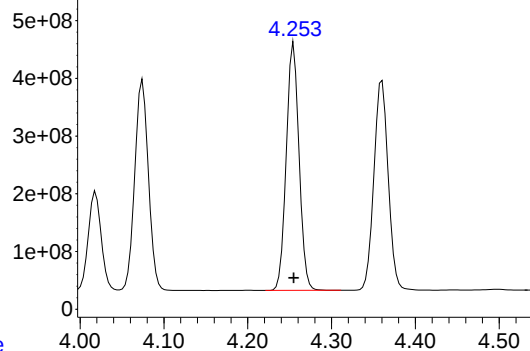
#7 delta-BHC

R.T.: 4.255 min

Delta R.T.: 0.000 min

Response: 4532491918

Conc: 98.76 ng/ml



Time

Response_

Signal: PD090650.D\ECD1A.ch

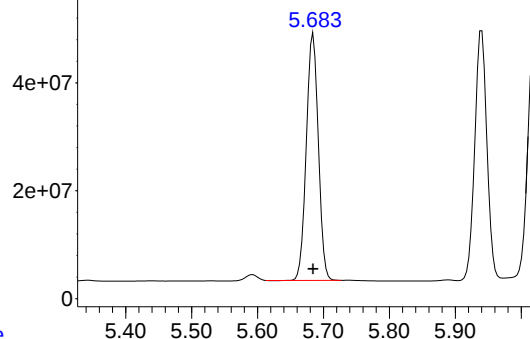
#8 Heptachlor epoxide

R.T.: 5.685 min

Delta R.T.: 0.000 min

Response: 579557032

Conc: 100.67 ng/ml



Time

Response_

Signal: PD090650.D\ECD2B.ch

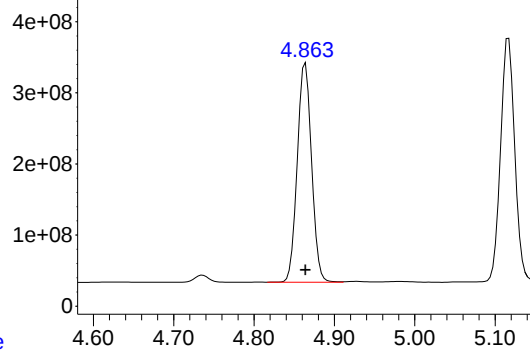
#8 Heptachlor epoxide

R.T.: 4.864 min

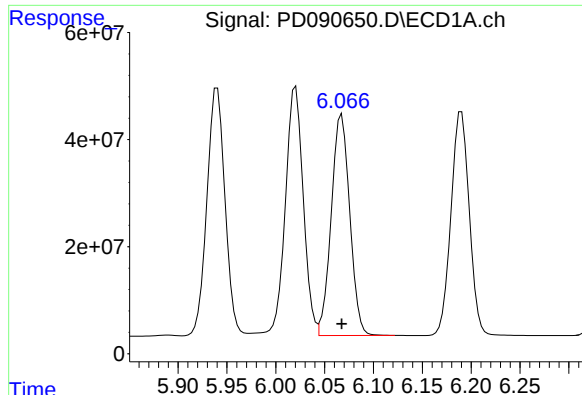
Delta R.T.: 0.000 min

Response: 3820342410

Conc: 96.87 ng/ml



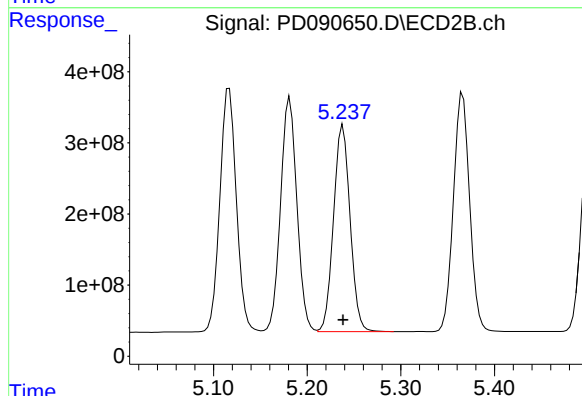
Time



#9 Endosulfan I

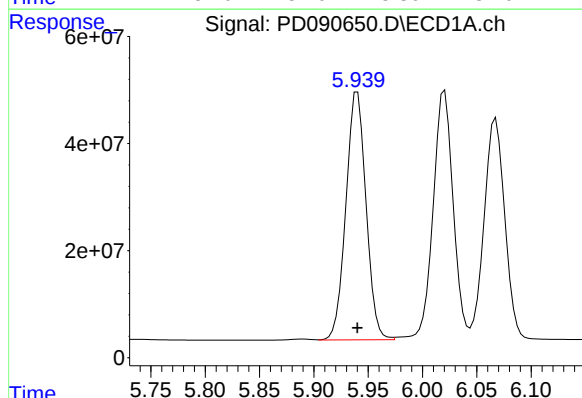
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 545227033
Conc: 100.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



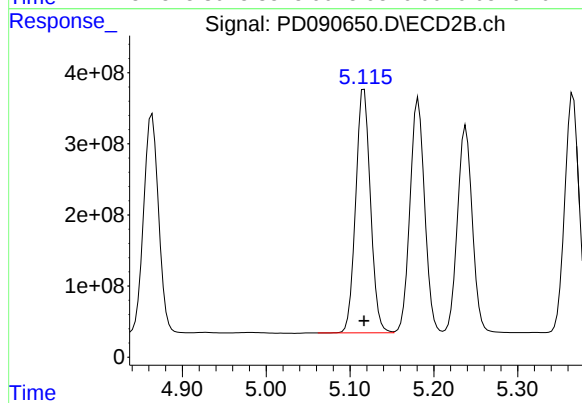
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 3572859410
Conc: 96.68 ng/ml



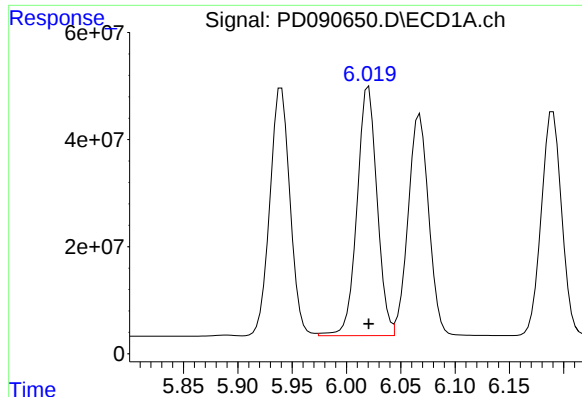
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 597245354
Conc: 100.99 ng/ml



#10 gamma-Chlordane

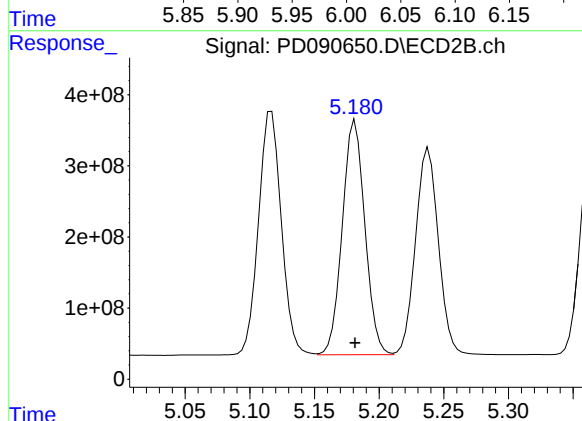
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 4192081714
Conc: 97.87 ng/ml



#11 alpha-Chlordane

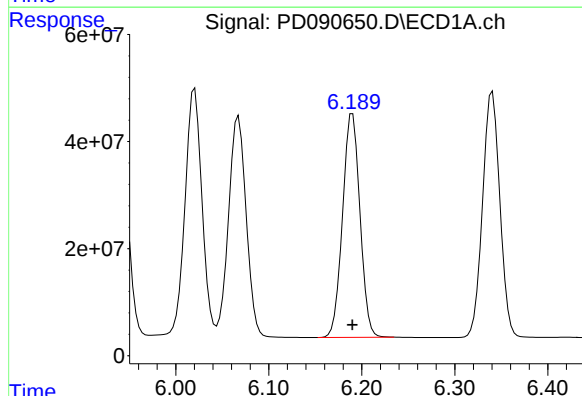
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 596606616
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



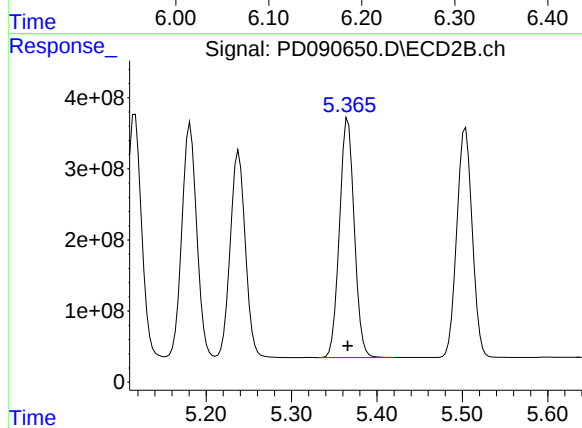
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 4000403429
Conc: 97.69 ng/ml



#12 4,4'-DDE

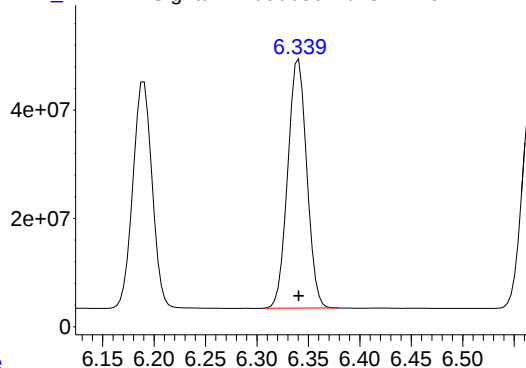
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 543560575
Conc: 101.10 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 4050079316
Conc: 97.53 ng/ml

Response_ Signal: PD090650.D\ECD1A.ch

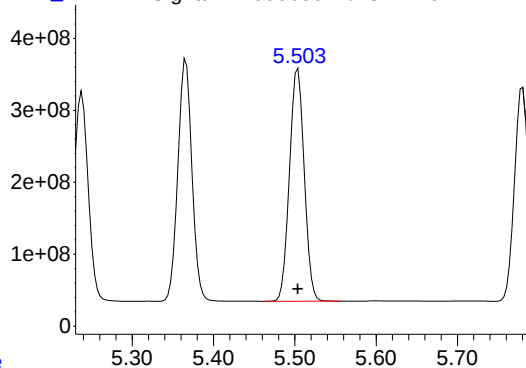


#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 592988915
Conc: 100.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

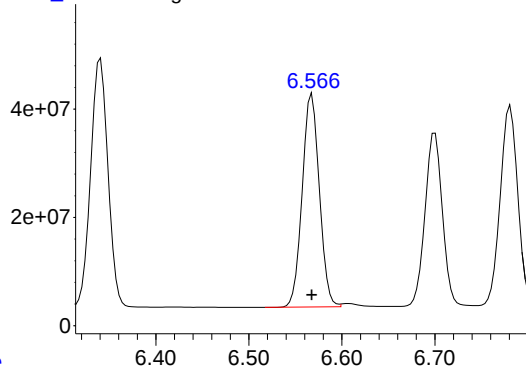
Time Response_ Signal: PD090650.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 4060107897
Conc: 97.02 ng/ml

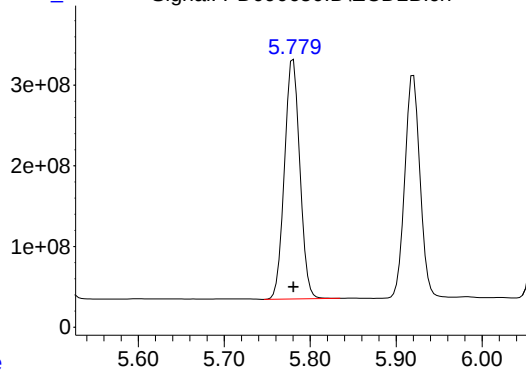
Time Response_ Signal: PD090650.D\ECD1A.ch



#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 503593872
Conc: 100.98 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 3690195471
Conc: 96.72 ng/ml

Response_ Signal: PD090650.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 487323424
Conc: 99.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3426973062
Conc: 96.94 ng/ml

Time

Response_ Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 415098011
Conc: 101.16 ng/ml

Time

Response_ Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 3370894623
Conc: 97.33 ng/ml

Time

Response_ Signal: PD090650.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 425681261
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090650.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3388802413
Conc: 98.57 ng/ml

Time

Response_ Signal: PD090650.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 350587578
Conc: 99.07 ng/ml

Time

Response_ Signal: PD090650.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 2511089389
Conc: 96.57 ng/ml

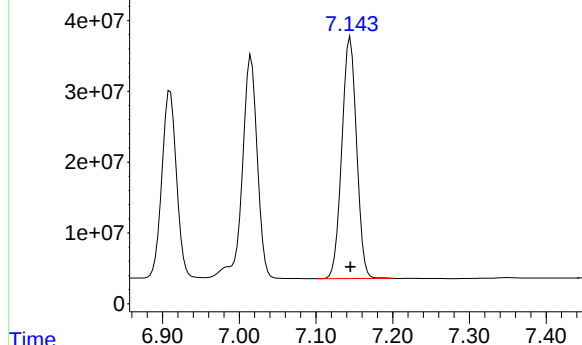
Time

Response_ Signal: PD090650.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 455705527
Conc: 100.01 ng/ml

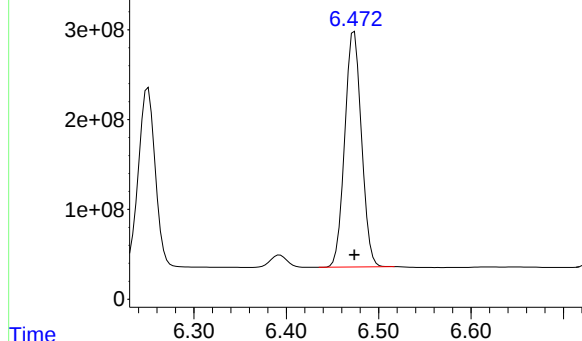
Instrument :
ECD_D
ClientSampleId :
PSTDICC100



Time Response_ Signal: PD090650.D\ECD2B.ch

#19 Endosulfan Sulfate

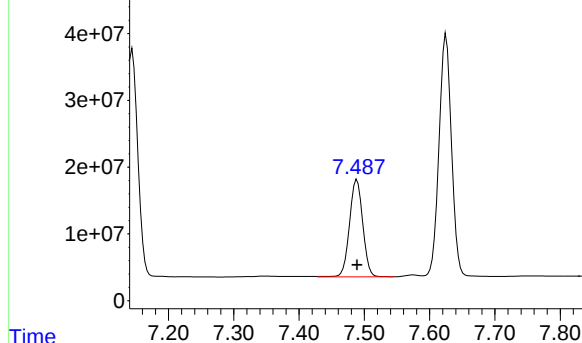
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 3296343899
Conc: 97.06 ng/ml



Time Response_ Signal: PD090650.D\ECD1A.ch

#20 Methoxychlor

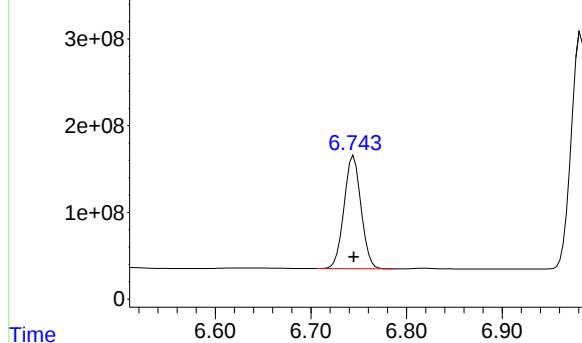
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 205006247
Conc: 99.31 ng/ml



Time Response_ Signal: PD090650.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1611694442
Conc: 96.75 ng/ml



Response_ Signal: PD090650.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 481977282
Conc: 100.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090650.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 3446004756
Conc: 97.06 ng/ml

Time

Response_ Signal: PD090650.D\ECD1A.ch

#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 295471777
Conc: 97.72 ng/ml

Time

Response_ Signal: PD090650.D\ECD2B.ch

#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 2331618859
Conc: 97.24 ng/ml

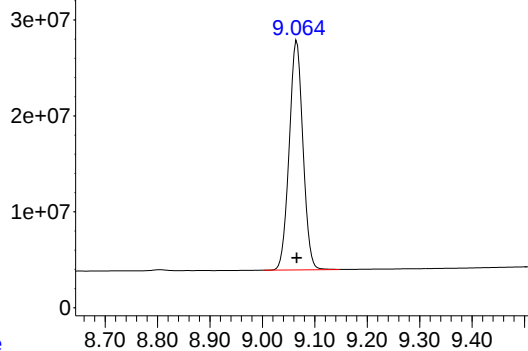
Time

Response_

Signal: PD090650.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 436118427
Conc: 98.36 ng/ml

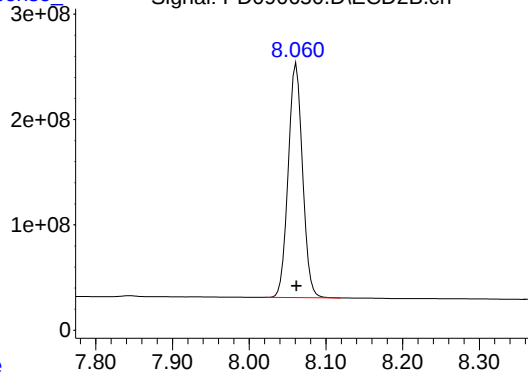
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090650.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 2885681422
Conc: 99.22 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090651.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:48
 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: Oct 17 13:35:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	221.3E6	2076.7E6	73.844	73.982
28)	SA Decachlor...	9.065	8.062	323.6E6	2118.5E6	73.652	73.550
Target Compounds							
2)	A alpha-BHC	3.994	3.387	555.2E6	3629.4E6	74.331	73.972
3)	MA gamma-BHC...	4.325	3.723	517.9E6	3345.4E6	74.376	74.044
4)	MA Heptachlor	4.923	4.076	419.8E6	3135.8E6	74.519	74.471
5)	MB Aldrin	5.265	4.361	492.2E6	3268.1E6	74.671	74.449
6)	B beta-BHC	4.512	4.019	186.7E6	1377.4E6	74.235	74.130
7)	B delta-BHC	4.760	4.255	517.9E6	3391.5E6	74.535	74.261
8)	B Heptachlo...	5.685	4.865	428.1E6	2916.9E6	74.574	74.304
9)	A Endosulfan I	6.068	5.239	405.3E6	2744.0E6	74.575	74.497
10)	B gamma-Chl...	5.940	5.117	442.1E6	3181.7E6	74.831	74.517
11)	B alpha-Chl...	6.021	5.182	442.9E6	3041.3E6	74.605	74.512
12)	B 4,4'-DDE	6.191	5.366	402.8E6	3089.3E6	74.945	74.597
13)	MA Dieldrin	6.341	5.504	438.1E6	3106.9E6	74.726	74.493
14)	MA Endrin	6.568	5.781	372.2E6	2837.1E6	74.757	74.574
15)	B Endosulfa...	6.781	6.072	362.7E6	2622.6E6	74.556	74.457
16)	A 4,4'-DDD	6.700	5.921	305.6E6	2573.2E6	74.659	74.529
17)	MA 4,4'-DDT	7.016	6.175	311.4E6	2548.7E6	74.584	74.422
18)	B Endrin al...	6.910	6.251	263.1E6	1930.5E6	74.563	74.493
19)	B Endosulfa...	7.145	6.474	337.9E6	2515.4E6	74.430	74.374
20)	A Methoxychlor	7.488	6.745	151.2E6	1223.7E6	73.804	73.968
21)	B Endrin ke...	7.625	6.983	355.2E6	2626.5E6	74.325	74.314
22)	Mirex	8.108	7.176	222.5E6	1780.4E6	74.051	74.497

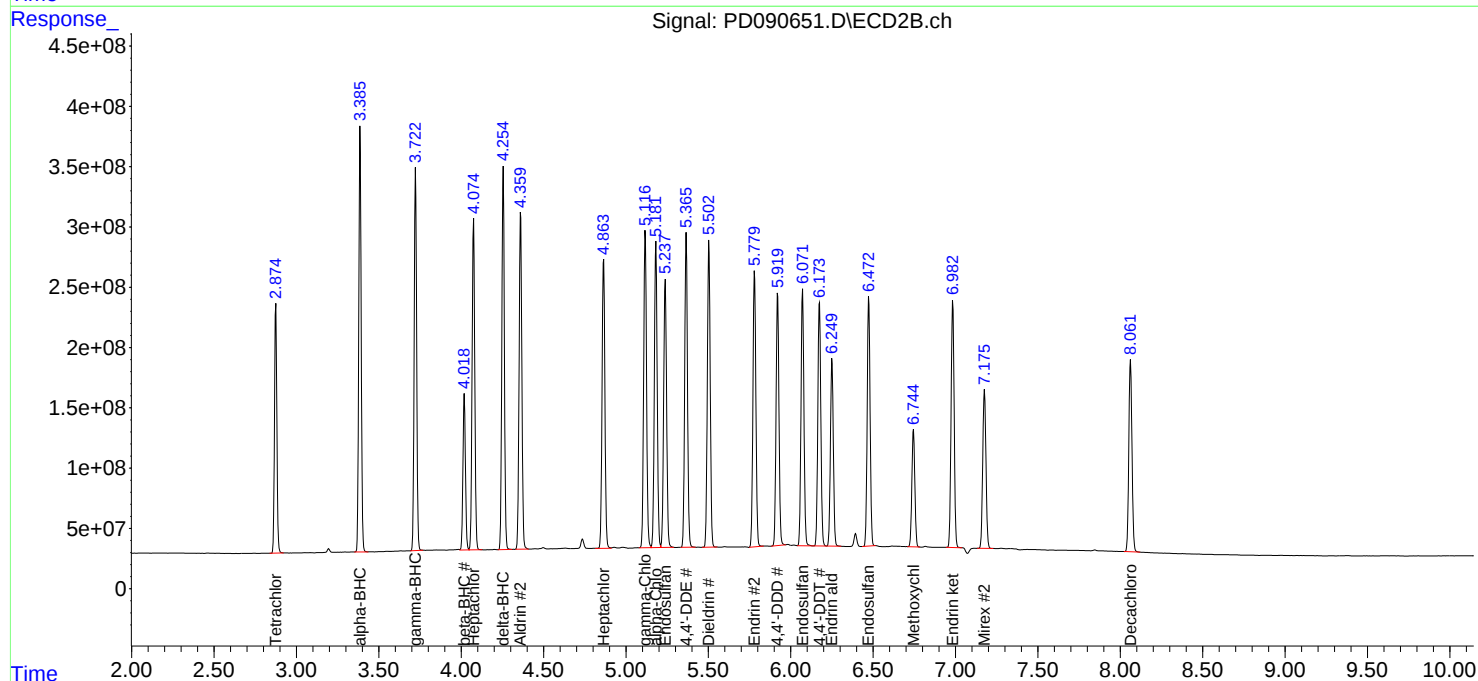
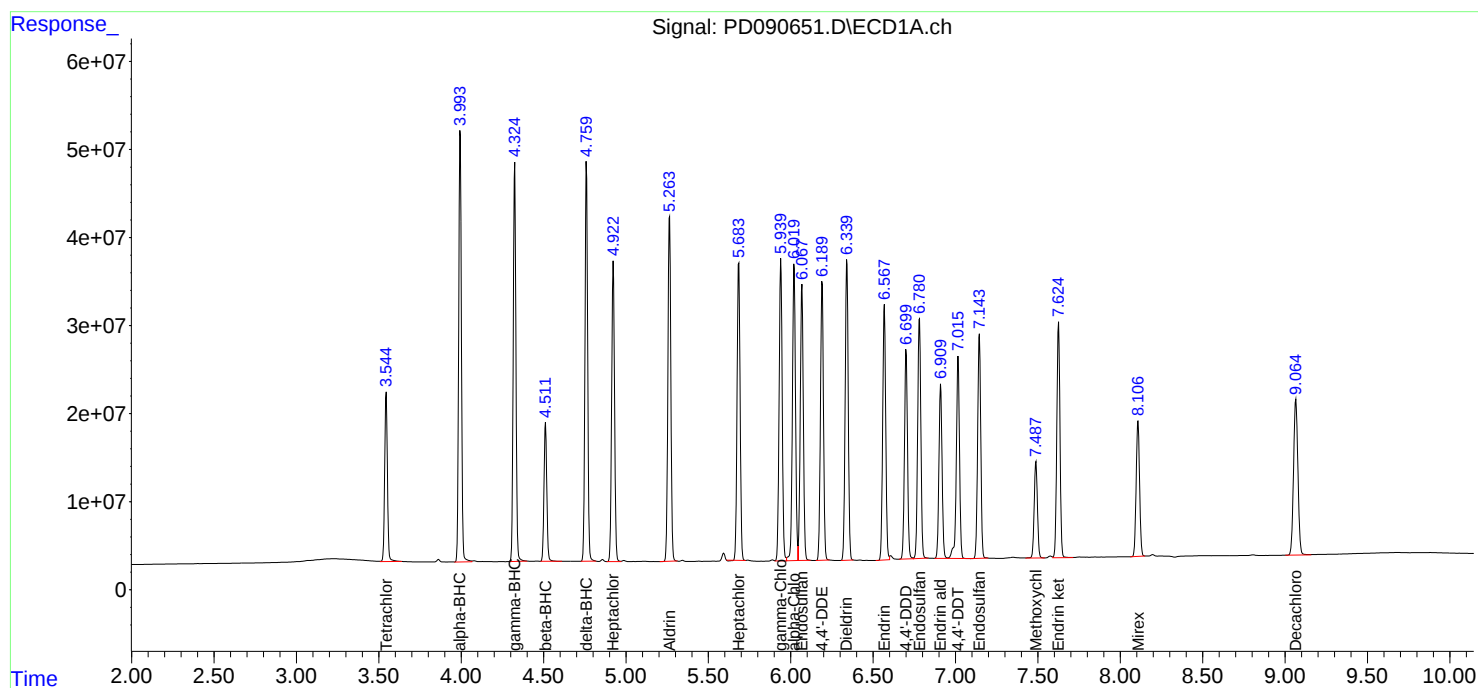
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:48
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: Oct 17 13:35:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

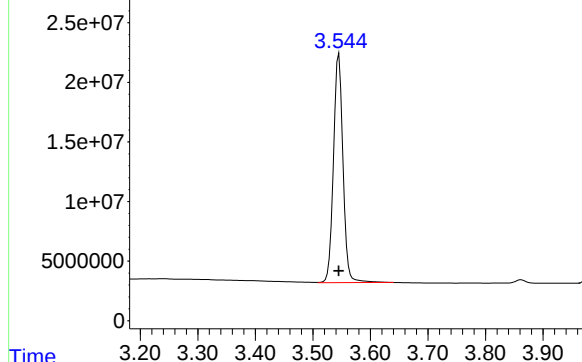


Response_ Signal: PD090651.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 221338475
Conc: 73.84 ng/ml

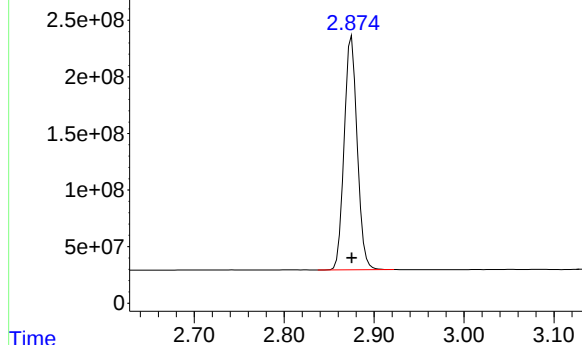
Instrument :
ECD_D
ClientSampleId :
PSTDICC075



Response_ Signal: PD090651.D\ECD2B.ch

#1 Tetrachloro-m-xylene

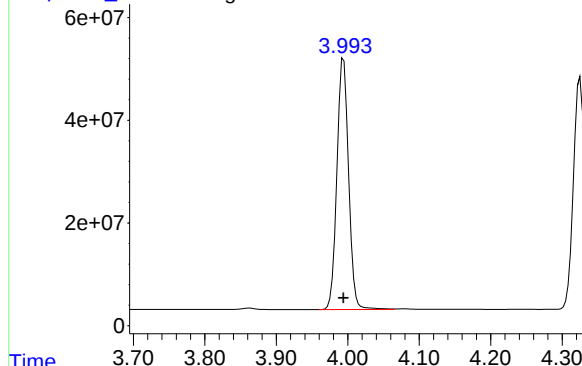
R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 2076681010
Conc: 73.98 ng/ml



Response_ Signal: PD090651.D\ECD1A.ch

#2 alpha-BHC

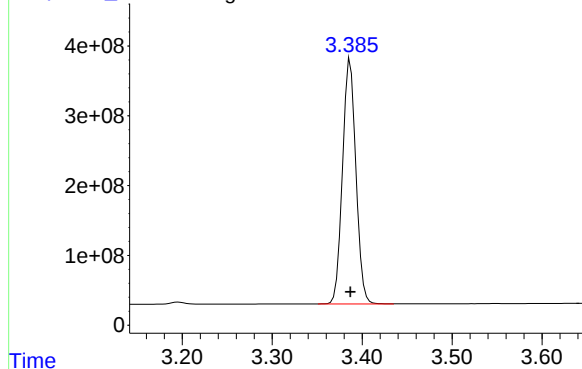
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 555178575
Conc: 74.33 ng/ml



Response_ Signal: PD090651.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 3629403435
Conc: 73.97 ng/ml



Response_ Signal: PD090651.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 517939637
Conc: 74.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_ Signal: PD090651.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 3345366469
Conc: 74.04 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 419813050
Conc: 74.52 ng/ml

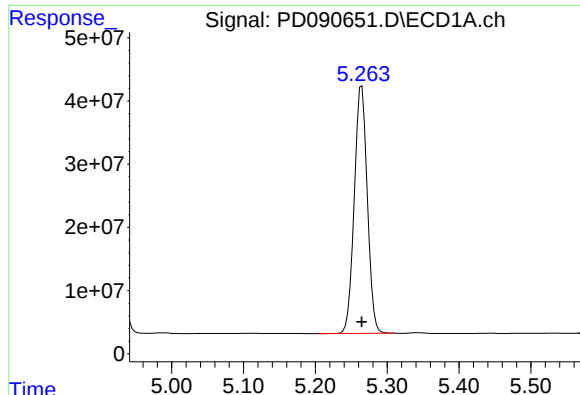
Time

Response_ Signal: PD090651.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 3135796942
Conc: 74.47 ng/ml

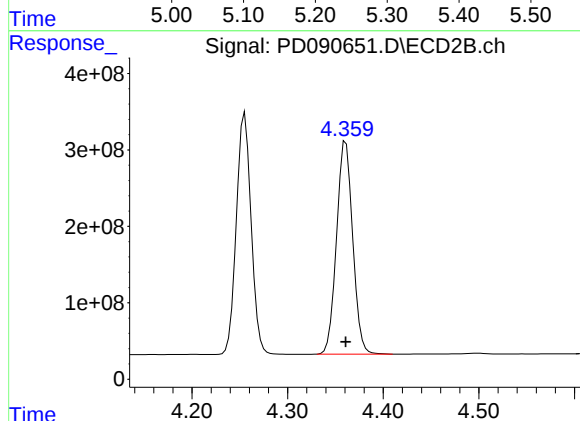
Time



#5 Aldrin

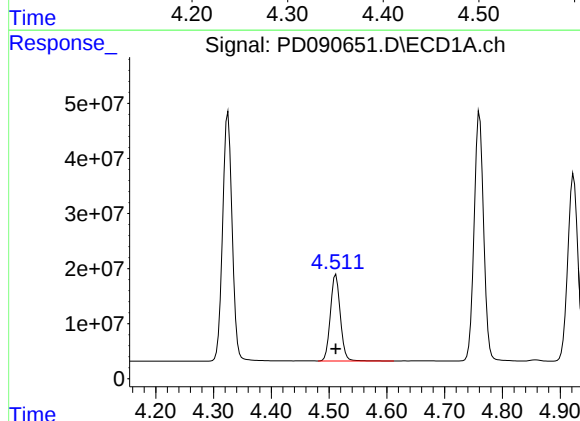
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 492167044
Conc: 74.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



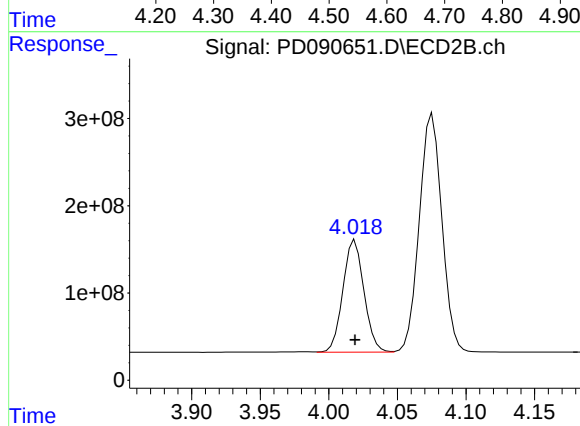
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 3268108002
Conc: 74.45 ng/ml



#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 186698186
Conc: 74.24 ng/ml



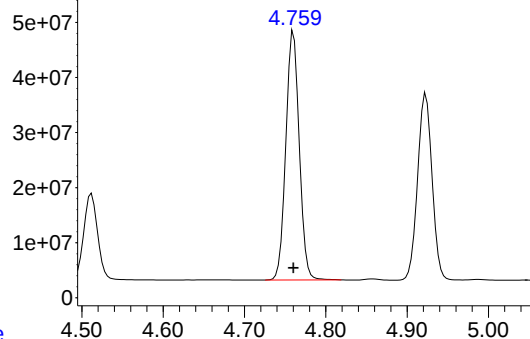
#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1377409505
Conc: 74.13 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 517928984
Conc: 74.53 ng/ml

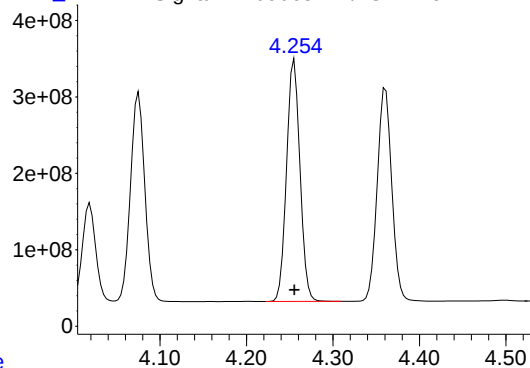
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



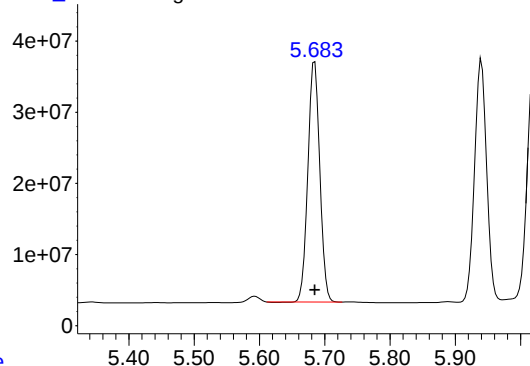
R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3391516826
Conc: 74.26 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



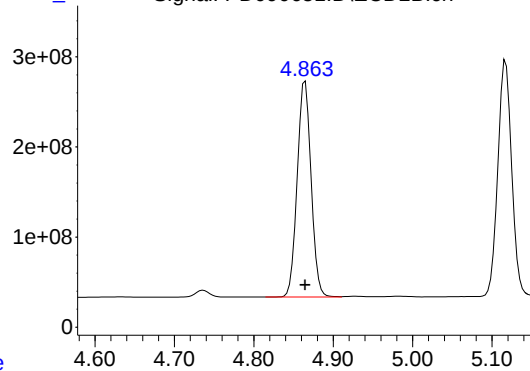
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 428112423
Conc: 74.57 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

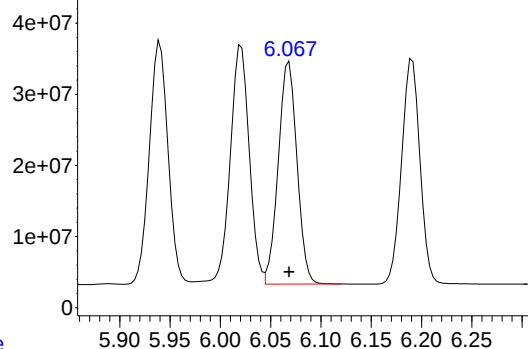
#8 Heptachlor epoxide



R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2916863262
Conc: 74.30 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

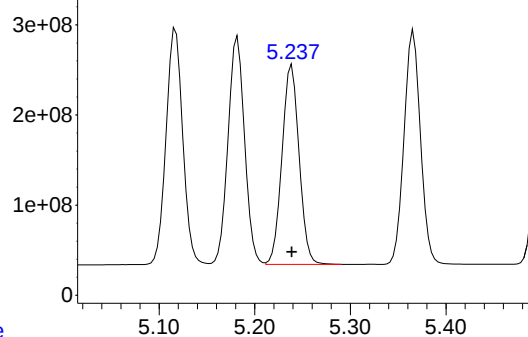


#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 405336624
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

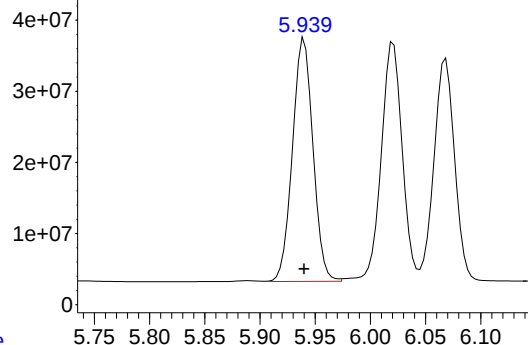
Time Response_ Signal: PD090651.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 2743979164
Conc: 74.50 ng/ml

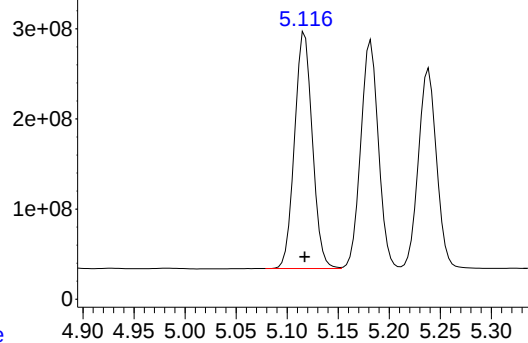
Time Response_ Signal: PD090651.D\ECD1A.ch



#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 442053358
Conc: 74.83 ng/ml

Time Response_ Signal: PD090651.D\ECD2B.ch



#10 gamma-Chlordane

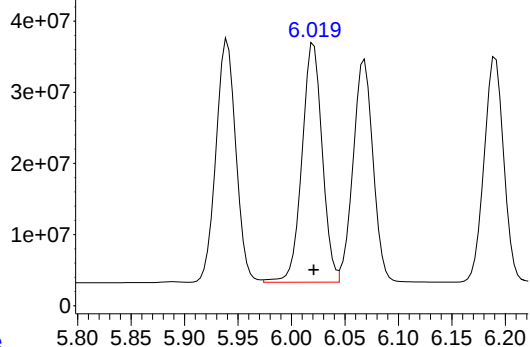
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 3181670591
Conc: 74.52 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 442910146
Conc: 74.61 ng/ml

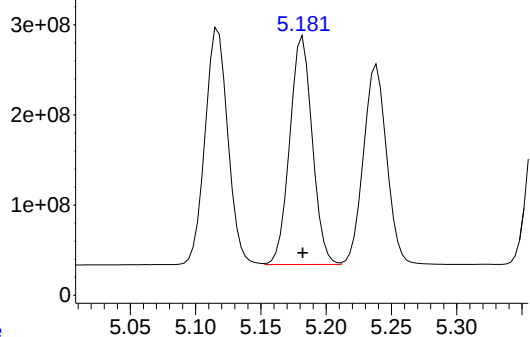
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



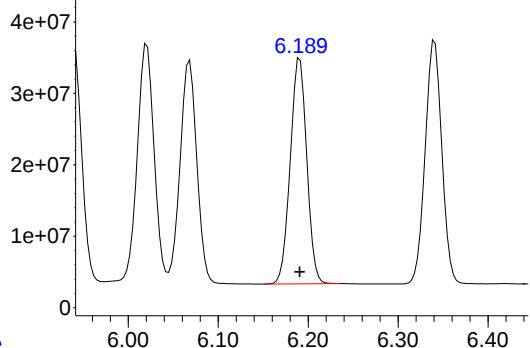
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 3041262707
Conc: 74.51 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



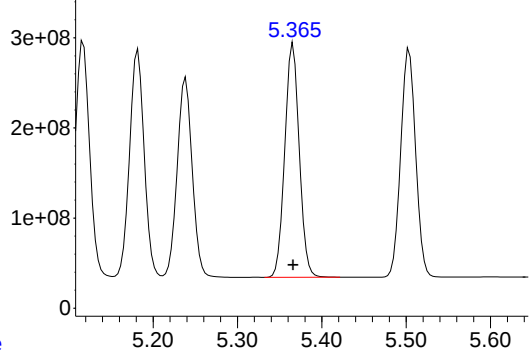
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 402806011
Conc: 74.95 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

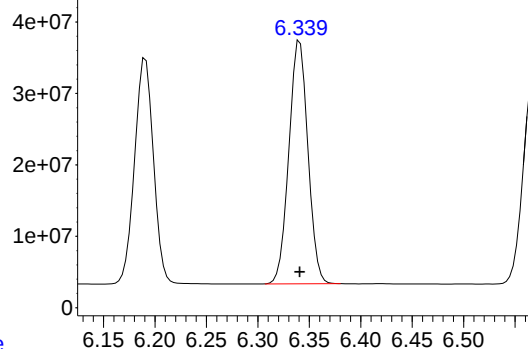
#12 4,4'-DDE



R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 3089327488
Conc: 74.60 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

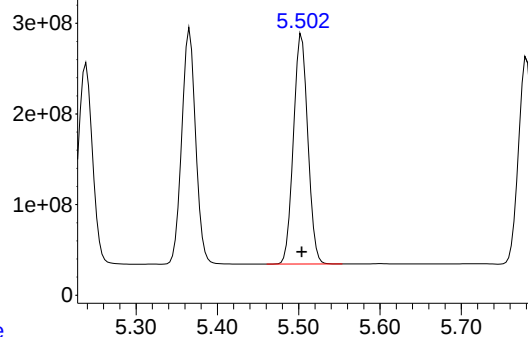


#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 438145830
Conc: 74.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

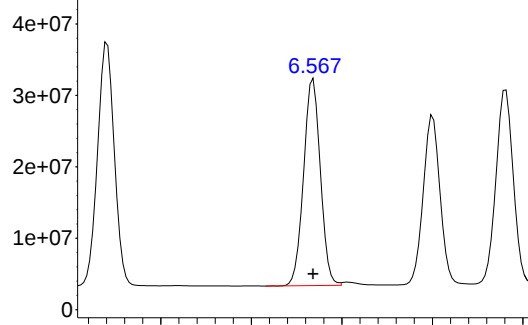
Time Response_ Signal: PD090651.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 3106916142
Conc: 74.49 ng/ml

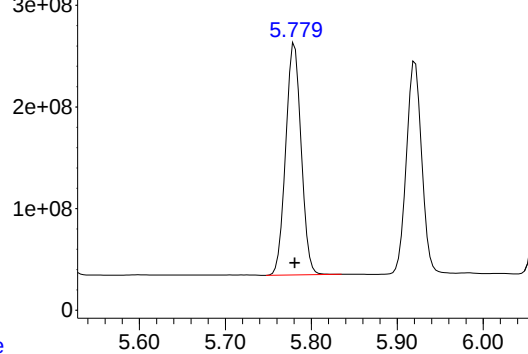
Time Response_ Signal: PD090651.D\ECD1A.ch



#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 372217983
Conc: 74.76 ng/ml

Time Response_ Signal: PD090651.D\ECD2B.ch



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 2837058459
Conc: 74.57 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.781 min

Delta R.T.: 0.000 min

Response: 362696180

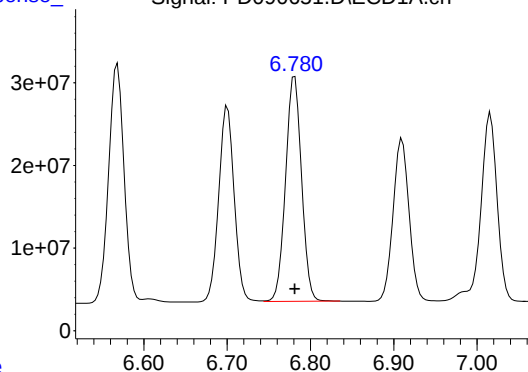
Conc: 74.56 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC075



Time

Response_

Signal: PD090651.D\ECD2B.ch

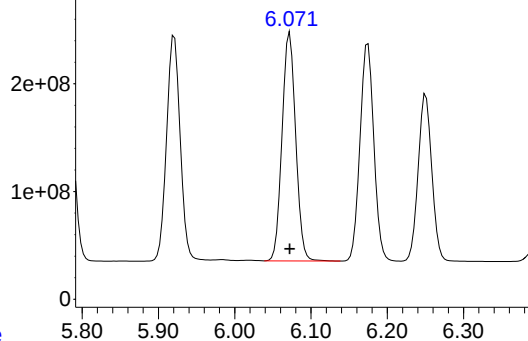
#15 Endosulfan II

R.T.: 6.072 min

Delta R.T.: 0.000 min

Response: 2622605787

Conc: 74.46 ng/ml



Time

Response_

Signal: PD090651.D\ECD1A.ch

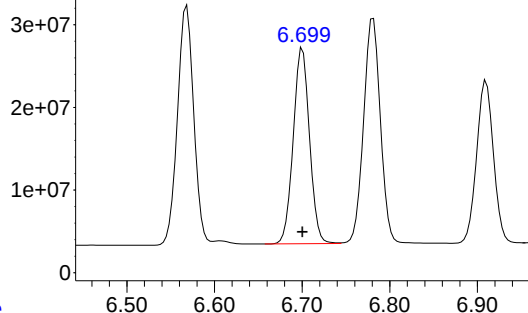
#16 4,4'-DDD

R.T.: 6.700 min

Delta R.T.: 0.000 min

Response: 305645357

Conc: 74.66 ng/ml



Time

Response_

Signal: PD090651.D\ECD2B.ch

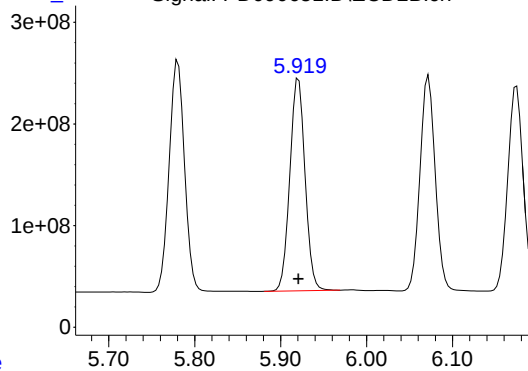
#16 4,4'-DDD

R.T.: 5.921 min

Delta R.T.: 0.000 min

Response: 2573202277

Conc: 74.53 ng/ml



Time

Response_ Signal: PD090651.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 311444736
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time 6.60 6.70 6.80 6.90 7.00 7.10 7.20 7.30 7.40

Response_ Signal: PD090651.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 2548691729
Conc: 74.42 ng/ml

Time 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30 6.35

Response_ Signal: PD090651.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 263096696
Conc: 74.56 ng/ml

Time 6.70 6.80 6.90 7.00 7.10

Response_ Signal: PD090651.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1930452420
Conc: 74.49 ng/ml

Time 6.00 6.10 6.20 6.30 6.40 6.50

Response_ Signal: PD090651.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 337864118
Conc: 74.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_ Signal: PD090651.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 2515420876
Conc: 74.37 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 151150843
Conc: 73.80 ng/ml

Time

Response_ Signal: PD090651.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1223732210
Conc: 73.97 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 355238454
Conc: 74.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time 7.30 7.40 7.50 7.60 7.70 7.80 7.90

Response_ Signal: PD090651.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 2626540426
Conc: 74.31 ng/ml

Time 6.70 6.80 6.90 7.00 7.10 7.20

Response_ Signal: PD090651.D\ECD1A.ch

#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 222493333
Conc: 74.05 ng/ml

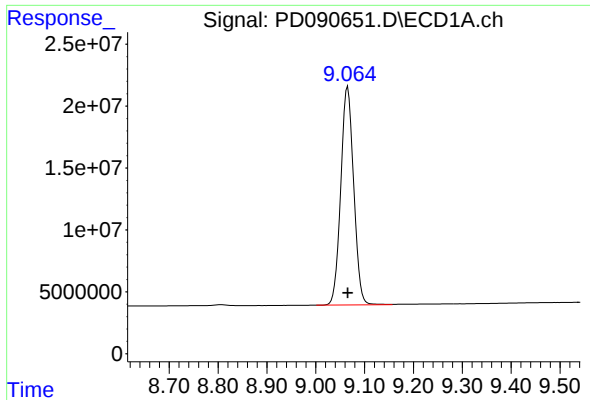
Time 7.90 8.00 8.10 8.20 8.30

Response_ Signal: PD090651.D\ECD2B.ch

#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1780357534
Conc: 74.50 ng/ml

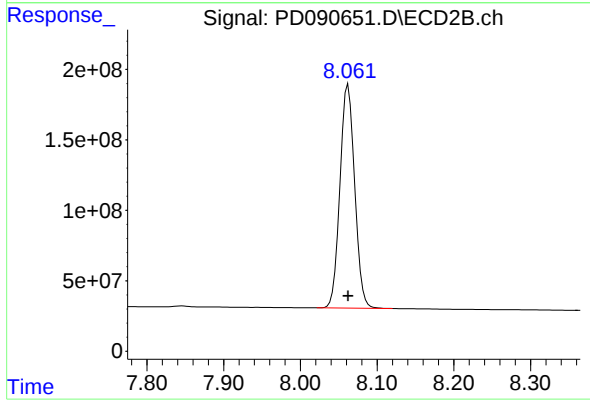
Time 6.90 7.00 7.10 7.20 7.30 7.40



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 323645321
Conc: 73.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 2118537336
Conc: 73.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
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: Oct 17 13:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.875	151.5E6	1430.9E6	50.000	50.000
28) SA Decachlor...	9.064	8.062	225.3E6	1465.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.994	3.387	362.6E6	2484.2E6	50.000	50.000
3) MA gamma-BHC...	4.325	3.723	340.0E6	2298.6E6	50.000	50.000
4) MA Heptachlor	4.923	4.075	277.3E6	2162.0E6	50.000	50.000
5) MB Aldrin	5.264	4.361	325.8E6	2251.7E6	50.000	50.000
6) B beta-BHC	4.512	4.019	127.0E6	954.0E6	50.000	50.000
7) B delta-BHC	4.760	4.255	338.6E6	2323.3E6	50.000	50.000
8) B Heptachlo...	5.684	4.864	285.9E6	2033.6E6	50.000	50.000
9) A Endosulfan I	6.068	5.238	272.5E6	1909.3E6	50.000	50.000
10) B gamma-Chl...	5.940	5.117	292.8E6	2187.4E6	50.000	50.000
11) B alpha-Chl...	6.021	5.181	296.9E6	2094.7E6	50.000	50.000
12) B 4,4'-DDE	6.190	5.366	265.9E6	2127.4E6	50.000	50.000
13) MA Dieldrin	6.340	5.504	290.9E6	2154.8E6	50.000	50.000
14) MA Endrin	6.568	5.781	246.9E6	1970.0E6	50.000	50.000
15) B Endosulfa...	6.781	6.072	244.3E6	1821.6E6	50.000	50.000
16) A 4,4'-DDD	6.700	5.921	202.8E6	1778.0E6	50.000	50.000
17) MA 4,4'-DDT	7.015	6.174	205.9E6	1743.4E6	50.000	50.000
18) B Endrin al...	6.910	6.250	178.6E6	1344.7E6	50.000	50.000
19) B Endosulfa...	7.145	6.474	227.8E6	1748.0E6	50.000	50.000
20) A Methoxychlor	7.488	6.745	103.9E6	859.9E6	50.000	50.000
21) B Endrin ke...	7.625	6.983	239.1E6	1827.5E6	50.000	50.000
22) Mirex	8.107	7.175	154.6E6	1232.0E6	50.000	50.000

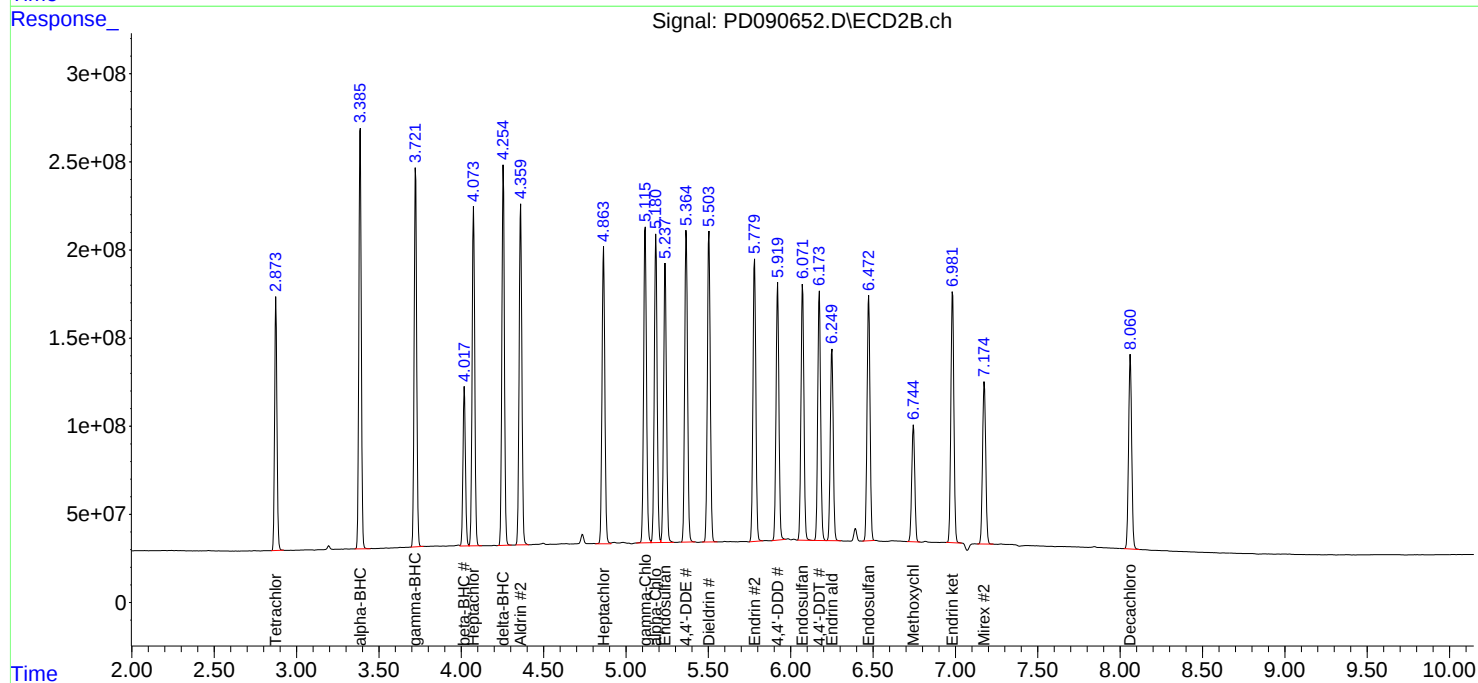
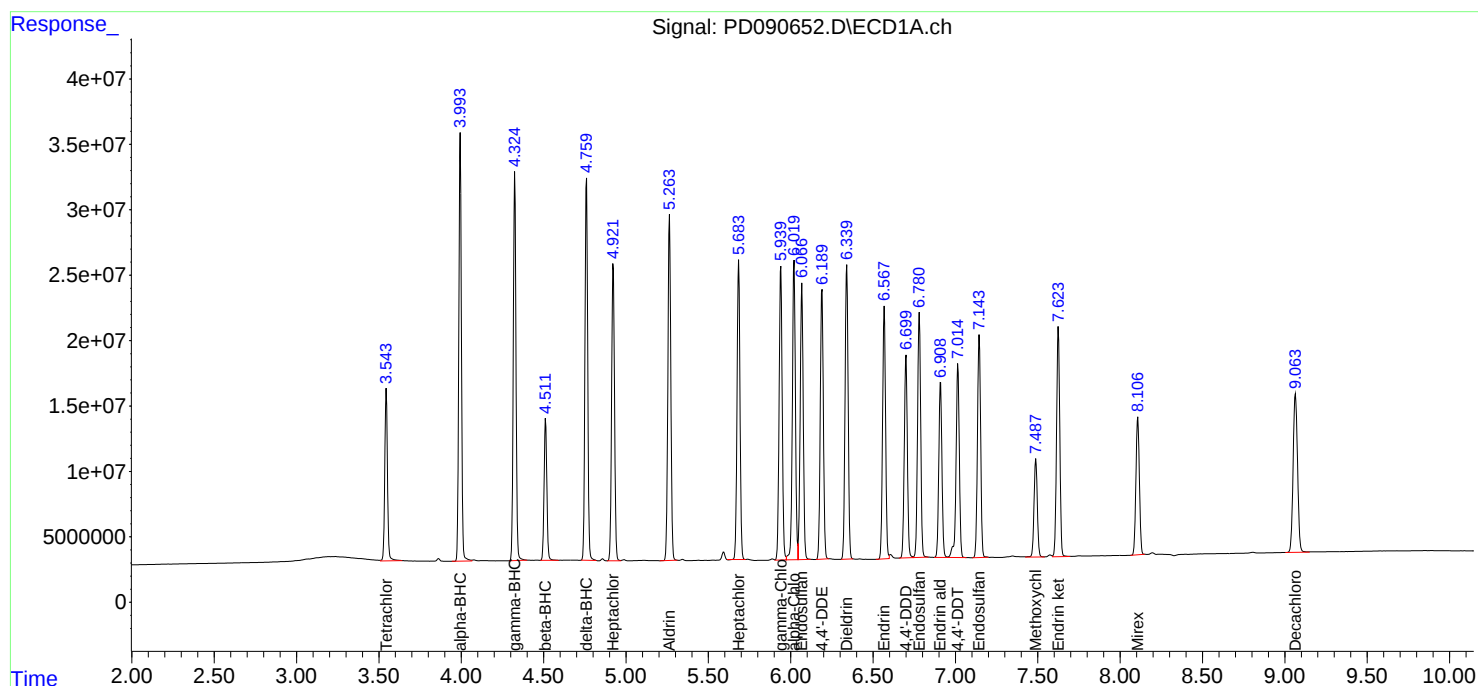
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

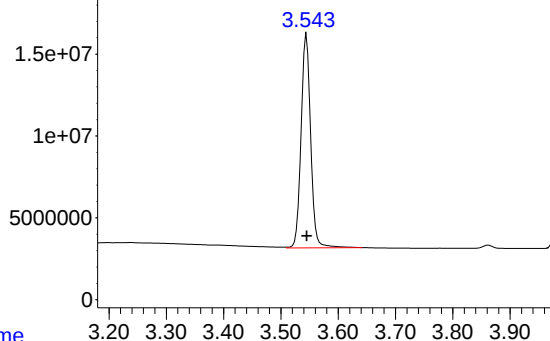
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090652.D\ECD1A.ch

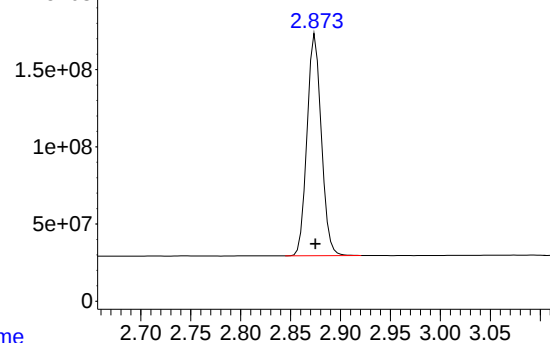


#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 151504775
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

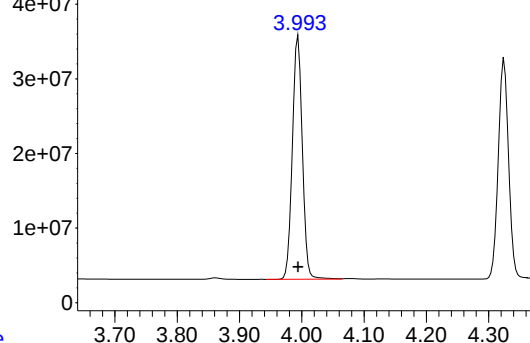
Time Response_ Signal: PD090652.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1430869153
Conc: 50.00 ng/ml

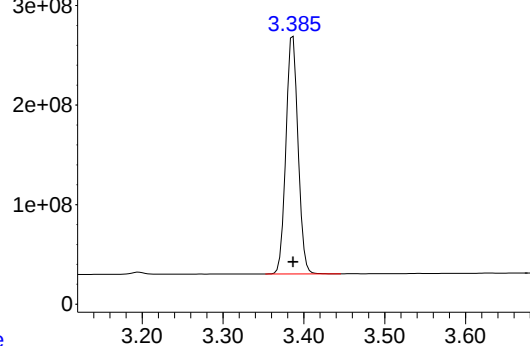
Time Response_ Signal: PD090652.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 362610738
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2484185326
Conc: 50.00 ng/ml

Response_

Signal: PD090652.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 339982682

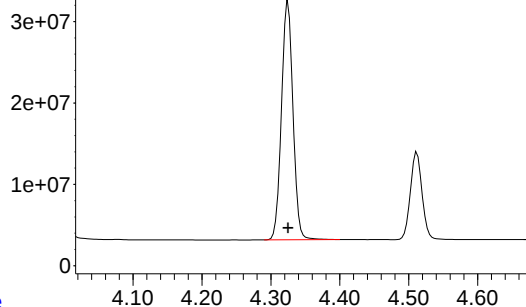
Conc: 50.00 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC050



Time

Response_

Signal: PD090652.D\ECD2B.ch

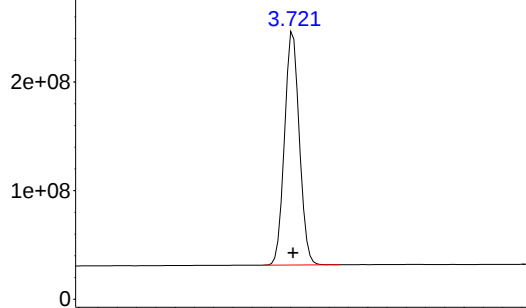
#3 gamma-BHC (Lindane)

R.T.: 3.723 min

Delta R.T.: 0.000 min

Response: 2298638612

Conc: 50.00 ng/ml



Time

Response_

Signal: PD090652.D\ECD1A.ch

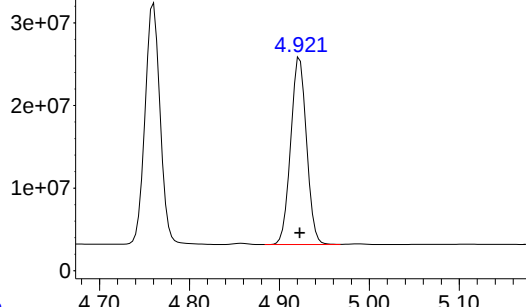
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 277277005

Conc: 50.00 ng/ml



Time

Response_

Signal: PD090652.D\ECD2B.ch

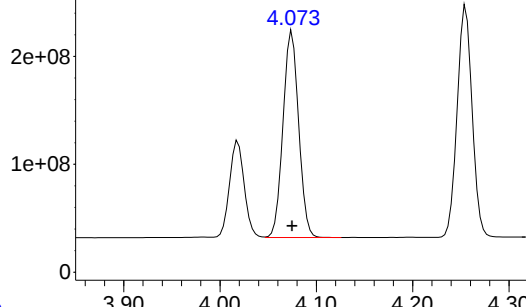
#4 Heptachlor

R.T.: 4.075 min

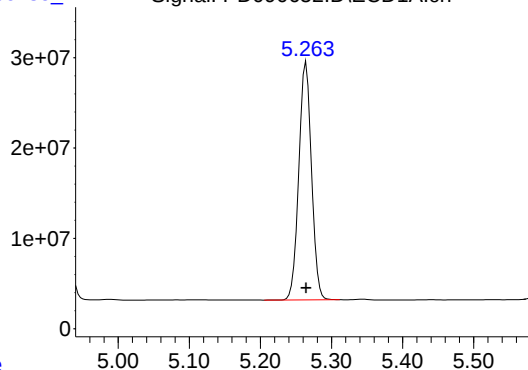
Delta R.T.: 0.000 min

Response: 2161964168

Conc: 50.00 ng/ml



Time



R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 325847234
Conc: 50.00 ng/ml

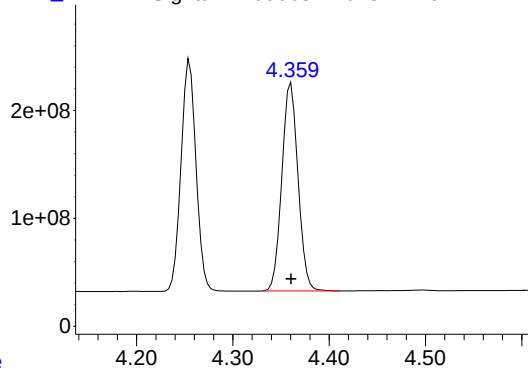
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#5 Aldrin



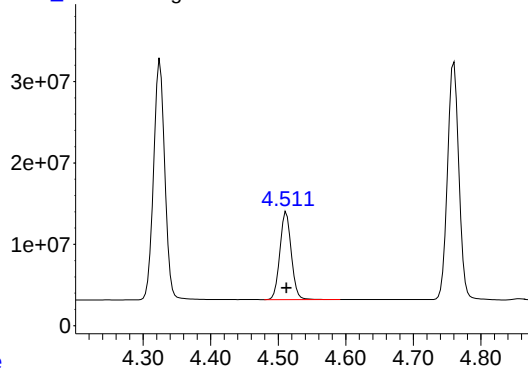
R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2251688760
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#6 beta-BHC



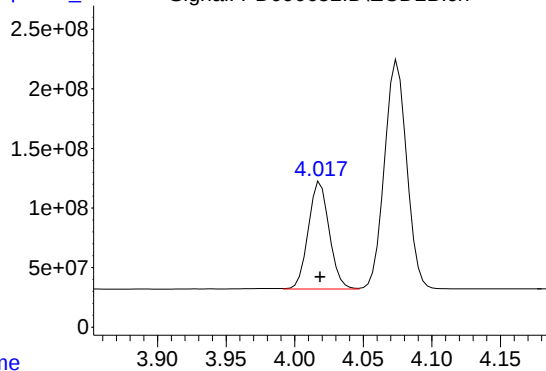
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 127018373
Conc: 50.00 ng/ml

Time

Response_

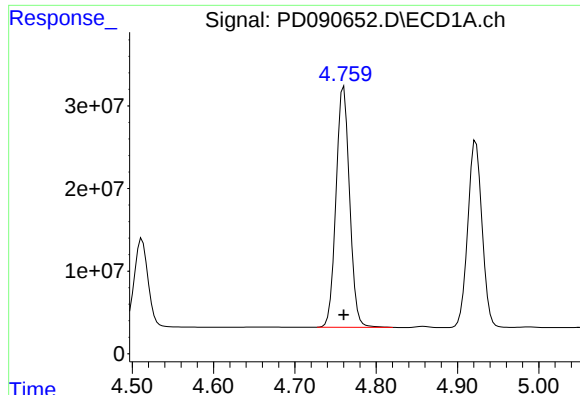
Signal: PD090652.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 954037739
Conc: 50.00 ng/ml

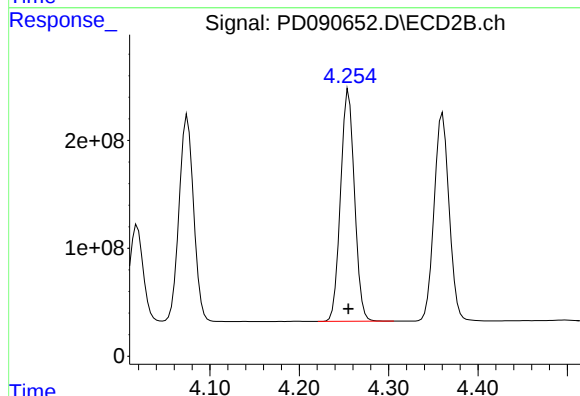
Time



#7 delta-BHC

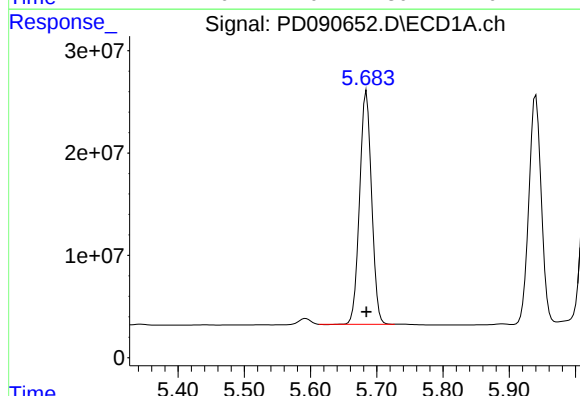
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 338575319
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



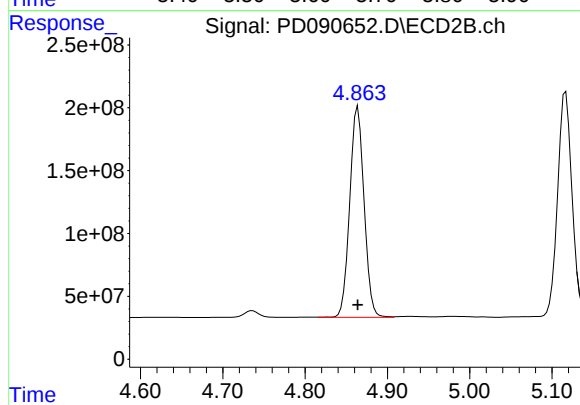
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2323317526
Conc: 50.00 ng/ml



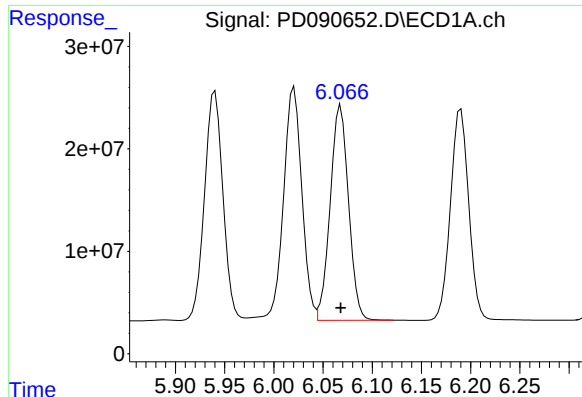
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 285933842
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

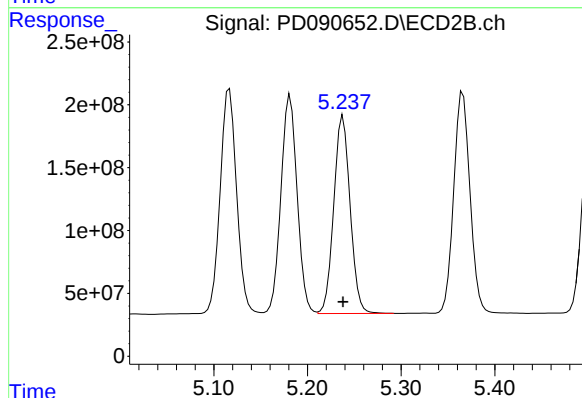
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2033647315
Conc: 50.00 ng/ml



#9 Endosulfan I

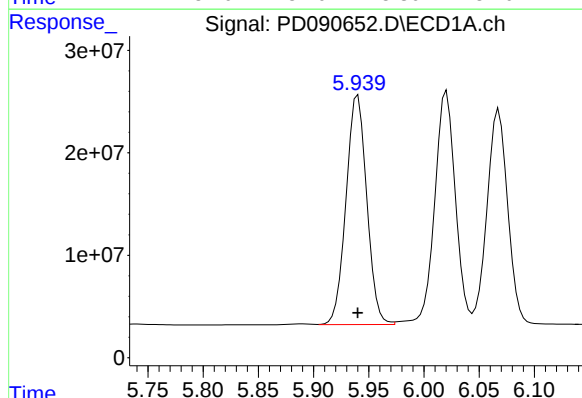
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272452330
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



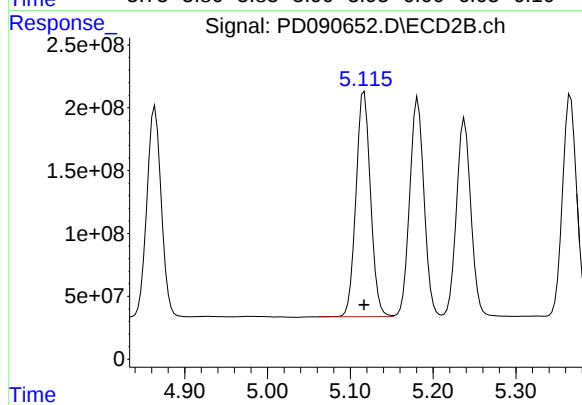
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1909283878
Conc: 50.00 ng/ml



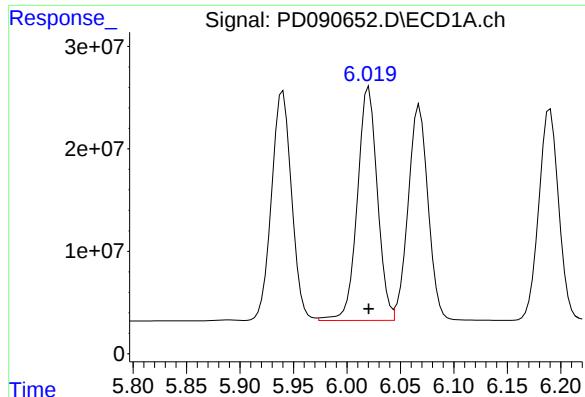
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 292781895
Conc: 50.00 ng/ml



#10 gamma-Chlordane

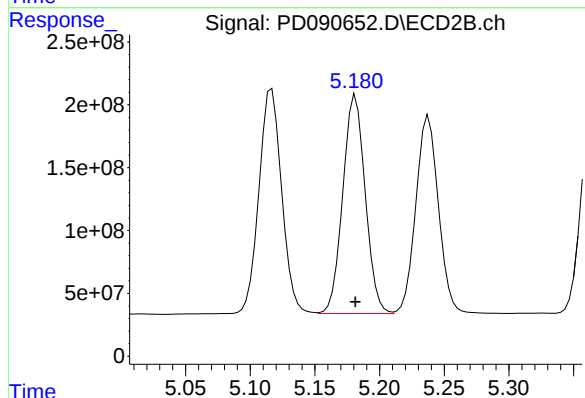
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2187405429
Conc: 50.00 ng/ml



#11 alpha-Chlordane

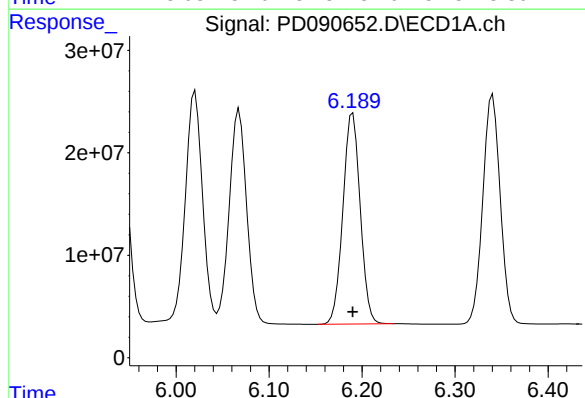
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 296932529
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



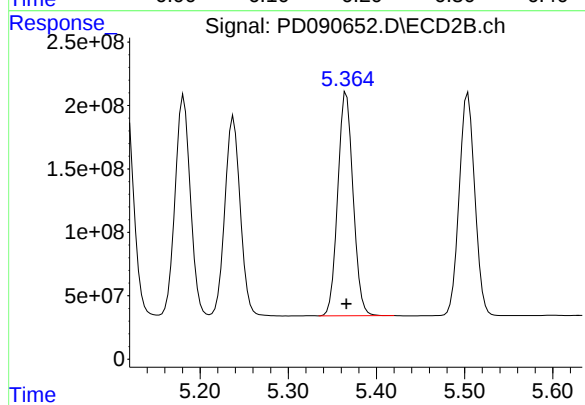
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2094650466
Conc: 50.00 ng/ml



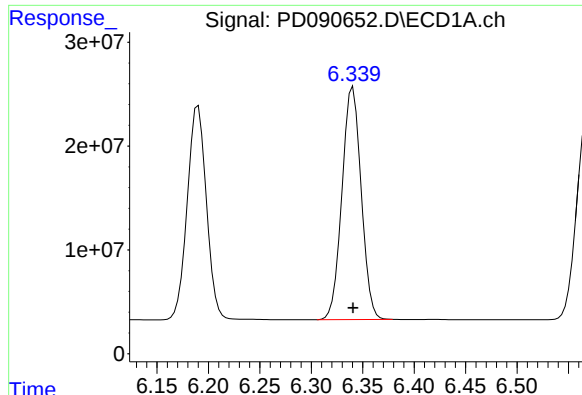
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 265880490
Conc: 50.00 ng/ml



#12 4,4'-DDE

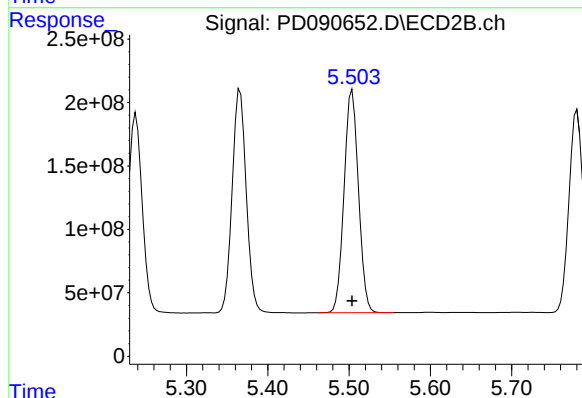
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2127431088
Conc: 50.00 ng/ml



#13 Dieldrin

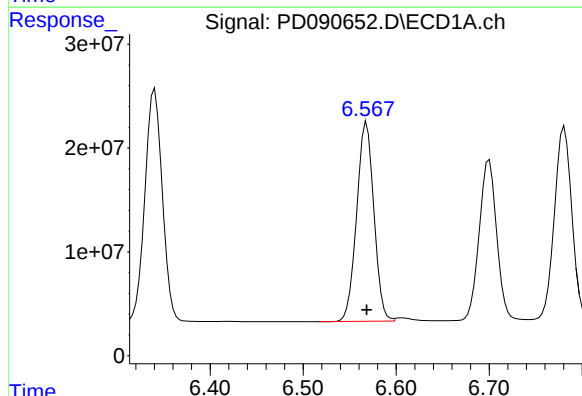
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 290909064
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



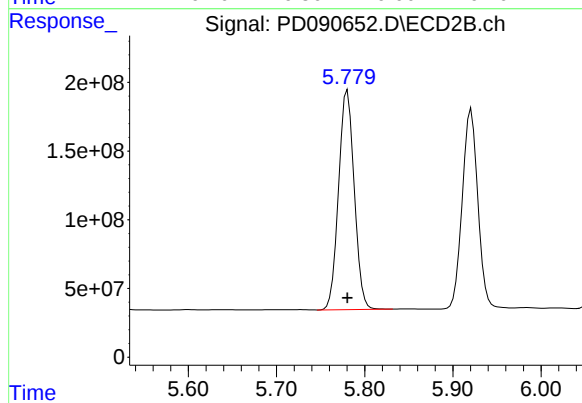
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2154808119
Conc: 50.00 ng/ml



#14 Endrin

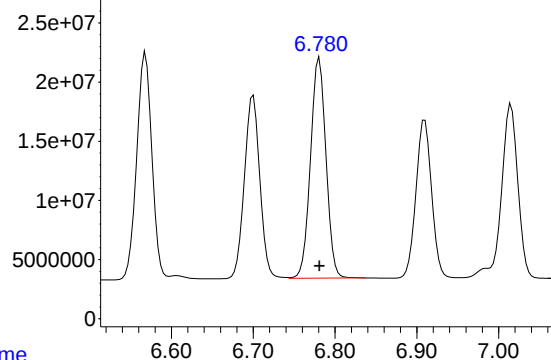
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 246912451
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1970044096
Conc: 50.00 ng/ml

Response_ Signal: PD090652.D\ECD1A.ch

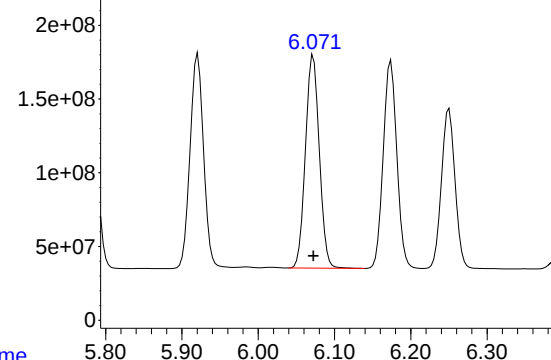


#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 244253888
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

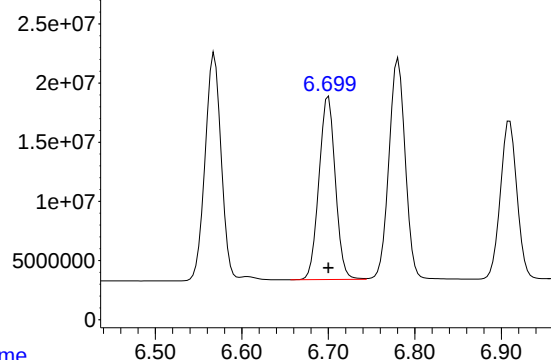
Time Response_ Signal: PD090652.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1821608734
Conc: 50.00 ng/ml

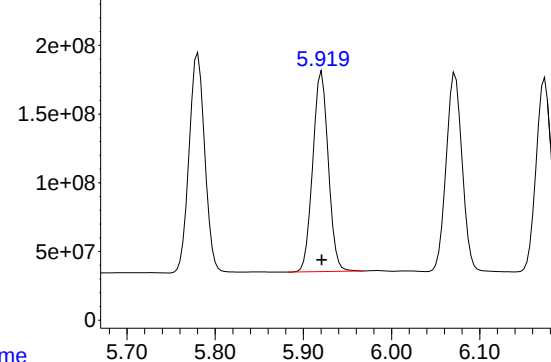
Time Response_ Signal: PD090652.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202773551
Conc: 50.00 ng/ml

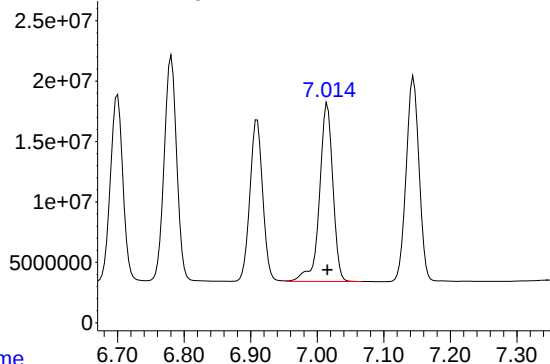
Time Response_ Signal: PD090652.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1778046885
Conc: 50.00 ng/ml

Response_ Signal: PD090652.D\ECD1A.ch

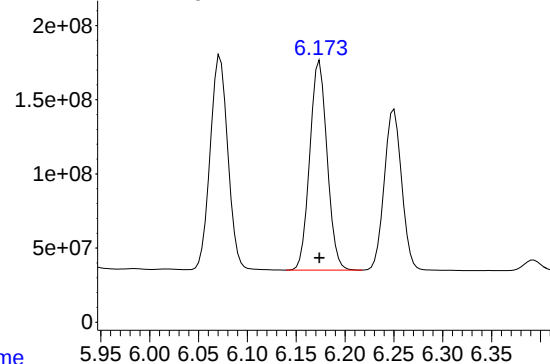


#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 205896645
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

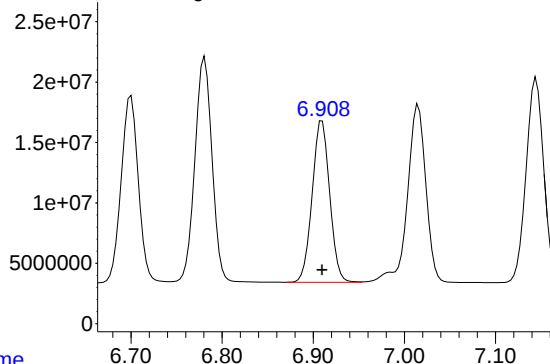
Time Response_ Signal: PD090652.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1743410018
Conc: 50.00 ng/ml

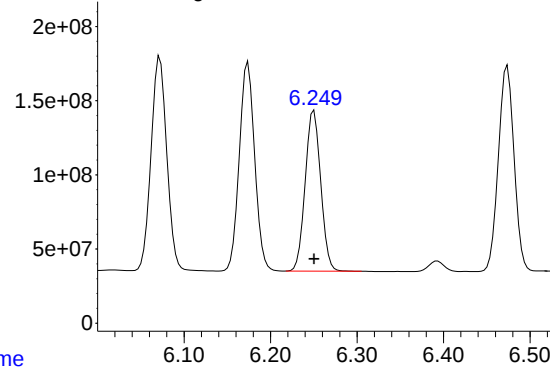
Time Response_ Signal: PD090652.D\ECD1A.ch



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 178583940
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1344655981
Conc: 50.00 ng/ml

Response_ Signal: PD090652.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 227808376
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090652.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1748039260
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090652.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 103932037
Conc: 50.00 ng/ml

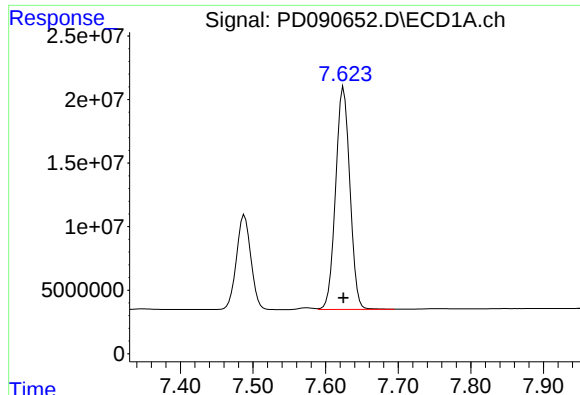
Time

Response_ Signal: PD090652.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 859946427
Conc: 50.00 ng/ml

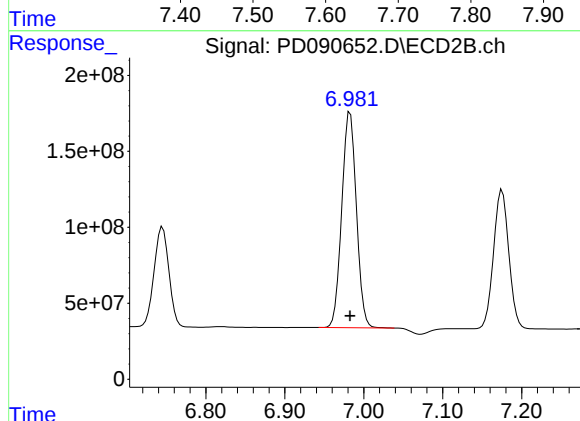
Time



#21 Endrin ketone

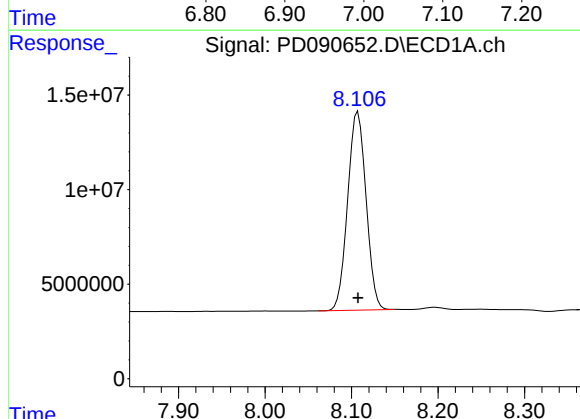
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 239116023
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



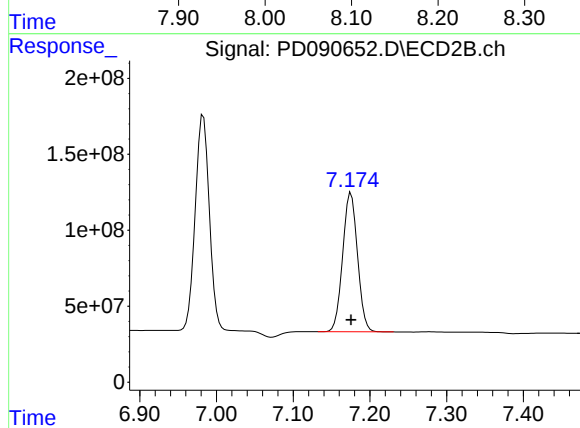
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1827533277
Conc: 50.00 ng/ml



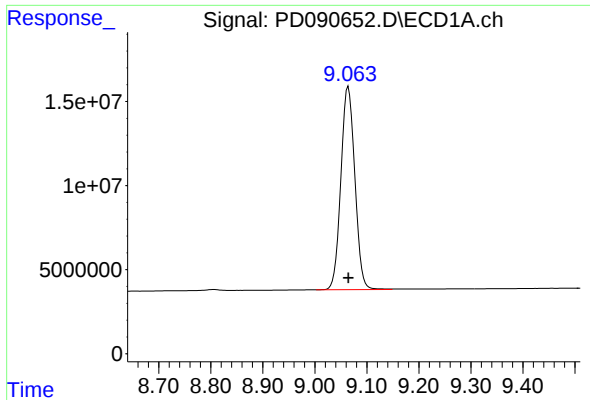
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 154621594
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1232028398
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

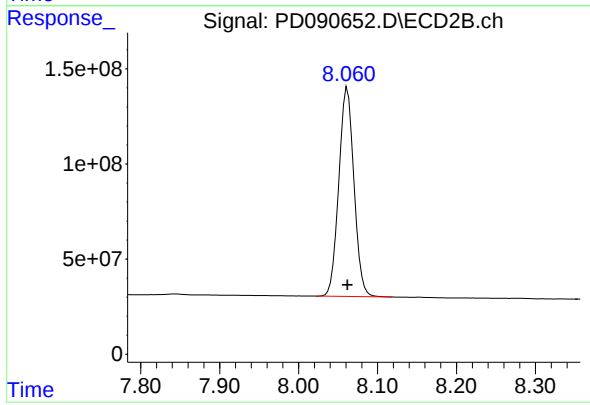
R.T.: 9.064 min

Delta R.T.: 0.000 min

Response: 225311337

Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: 0.000 min

Response: 1465399343

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:15
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: Oct 17 13:38:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.874	78107465	743.2E6	25.786	26.090
28) SA Decachlor...	9.065	8.061	117.7E6	751.4E6	26.311	25.807
Target Compounds						
2) A alpha-BHC	3.993	3.386	168.6E6	1262.5E6	23.132	25.545
3) MA gamma-BHC...	4.324	3.722	160.4E6	1170.2E6	23.501	25.669
4) MA Heptachlor	4.922	4.074	132.2E6	1112.6E6	23.835	26.052
5) MB Aldrin	5.263	4.360	156.0E6	1154.3E6	23.982	25.959
6) B beta-BHC	4.511	4.018	64015475	495.1E6	25.339	26.214
7) B delta-BHC	4.759	4.255	158.6E6	1178.9E6	23.327	25.605
8) B Heptachlo...	5.684	4.864	139.6E6	1059.4E6	24.488	26.460
9) A Endosulfan I	6.067	5.238	133.7E6	987.0E6	24.700	26.323
10) B gamma-Chl...	5.939	5.116	139.8E6	1108.7E6	23.988	25.717
11) B alpha-Chl...	6.020	5.181	154.3E6	1067.7E6	25.731	25.860
12) B 4,4'-DDE	6.190	5.365	126.3E6	1089.4E6	23.861	25.967
13) MA Dieldrin	6.340	5.503	138.8E6	1105.1E6	23.985	26.105
14) MA Endrin	6.567	5.780	117.8E6	1017.3E6	23.978	26.284
15) B Endosulfa...	6.781	6.071	119.7E6	938.0E6	24.710	26.203
16) A 4,4'-DDD	6.700	5.920	96019034	905.9E6	23.822	25.918
17) MA 4,4'-DDT	7.016	6.173	98197092	874.0E6	23.870	25.388
18) B Endrin al...	6.909	6.250	89492653	694.2E6	25.271	26.317
19) B Endosulfa...	7.144	6.473	112.0E6	896.5E6	24.754	26.114
20) A Methoxychlor	7.488	6.744	52364279	443.4E6	25.424	26.326
21) B Endrin ke...	7.625	6.982	117.4E6	945.4E6	24.668	26.289
22) Mirex	8.108	7.175	79715192	640.8E6	26.131	26.336

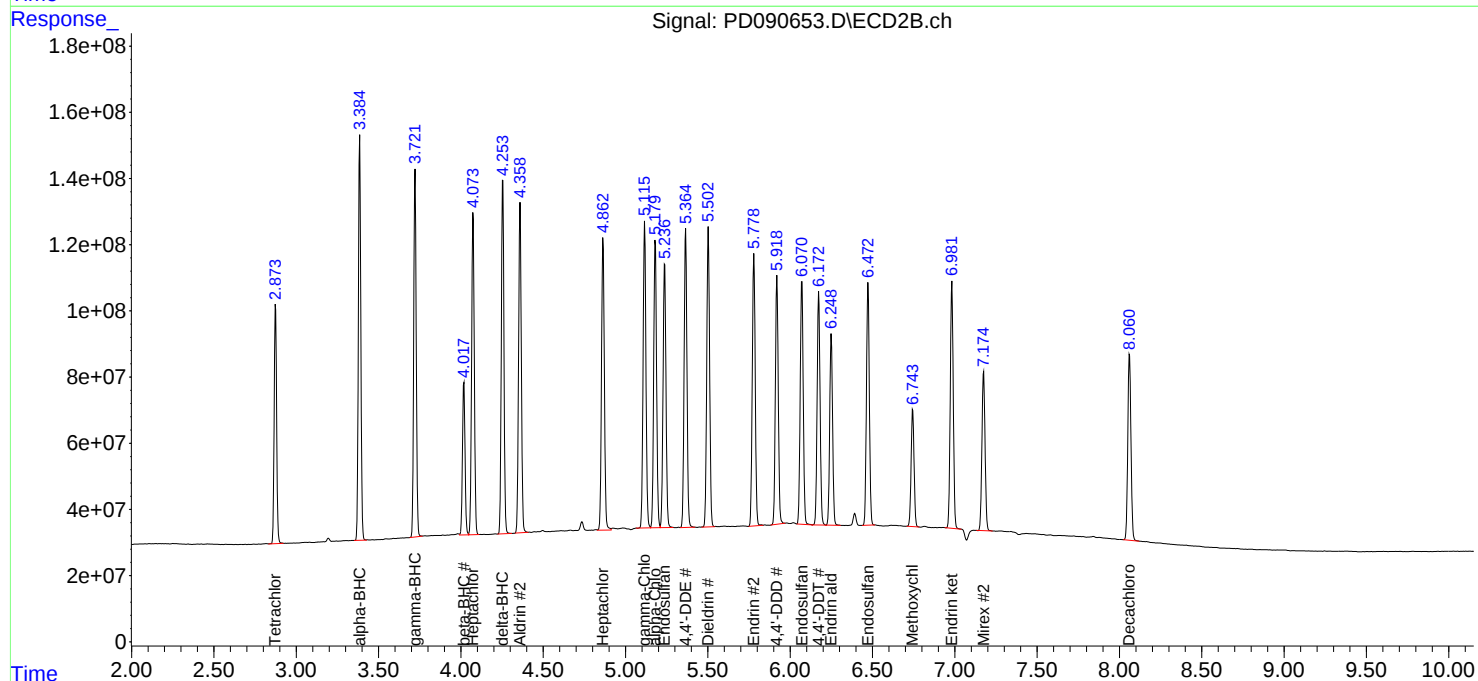
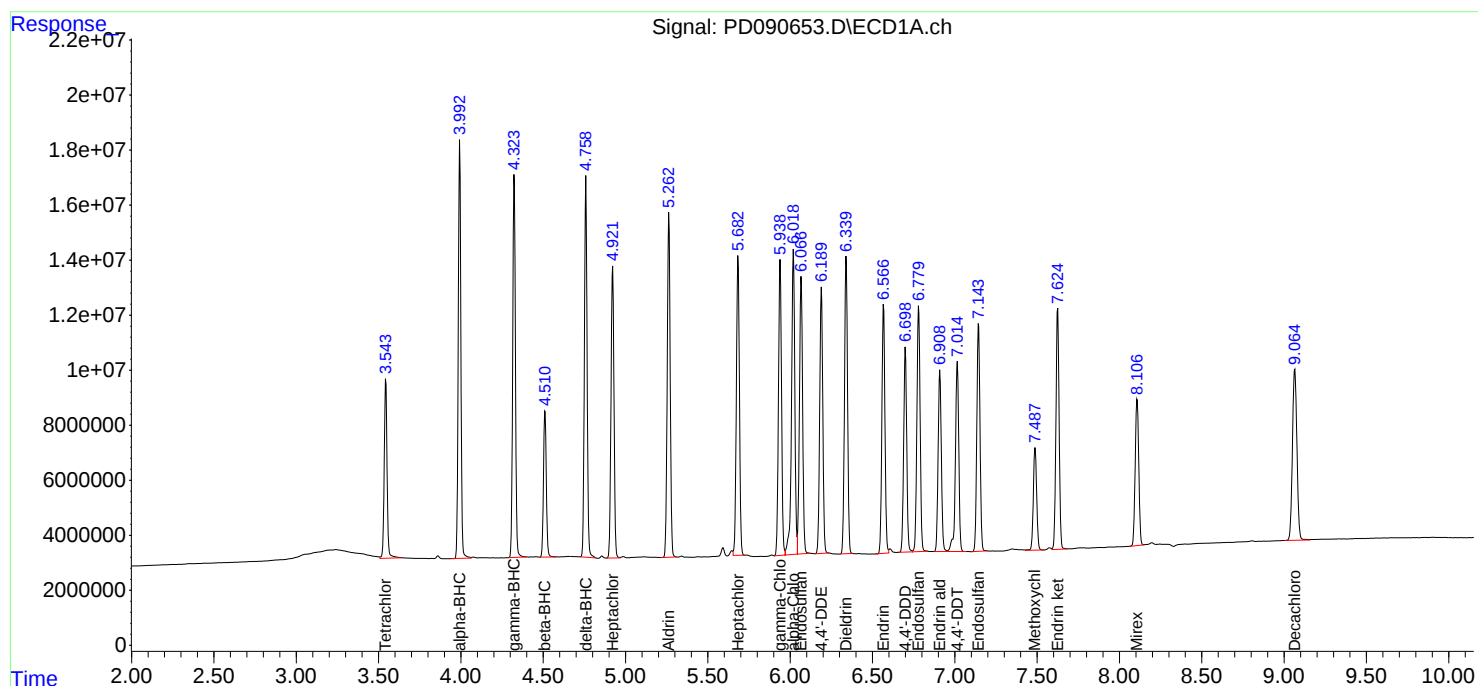
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:15
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: Oct 17 13:38:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

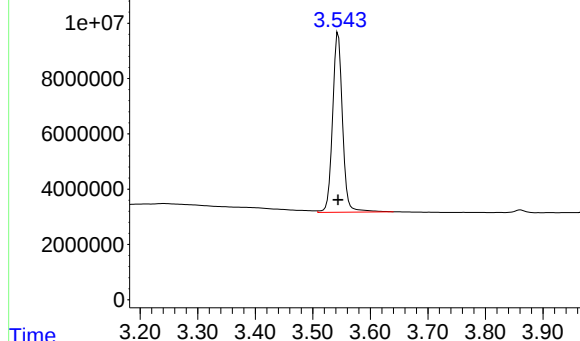


Response_ Signal: PD090653.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 78107465
Conc: 25.79 ng/ml

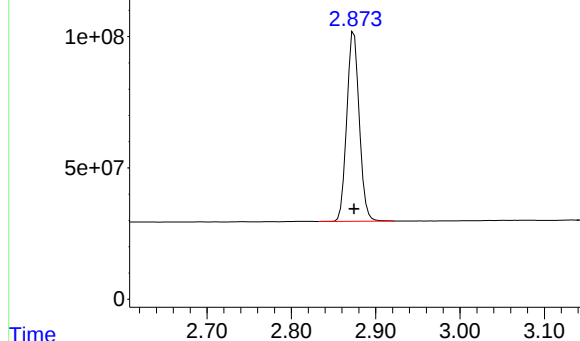
Instrument :
ECD_D
ClientSampleId :
PSTDICC025



Response_ Signal: PD090653.D\ECD2B.ch

#1 Tetrachloro-m-xylene

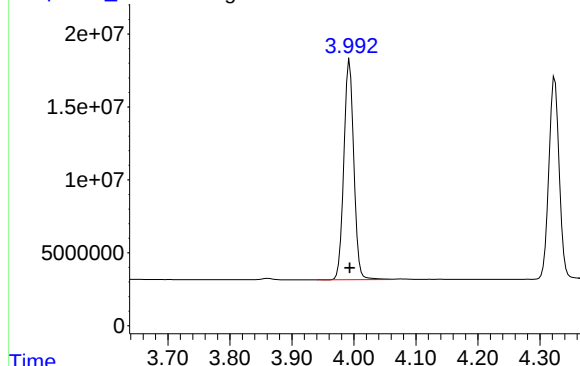
R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 743162855
Conc: 26.09 ng/ml



Response_ Signal: PD090653.D\ECD1A.ch

#2 alpha-BHC

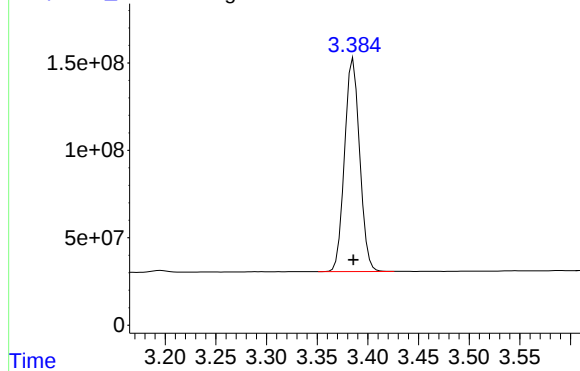
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 168576733
Conc: 23.13 ng/ml

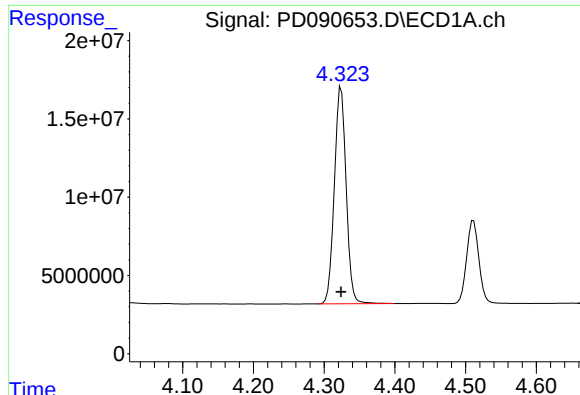


Response_ Signal: PD090653.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 1262506307
Conc: 25.54 ng/ml

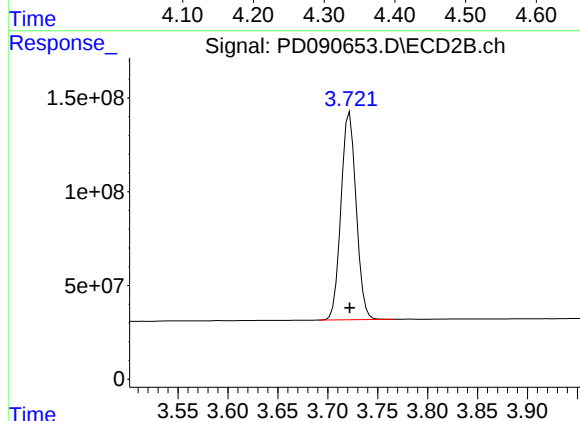




#3 gamma-BHC (Lindane)

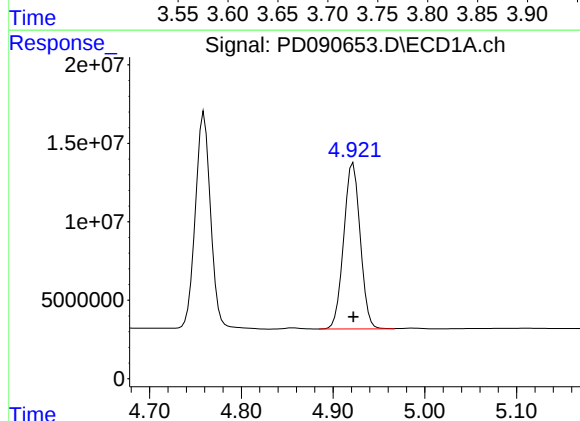
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 160449432
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



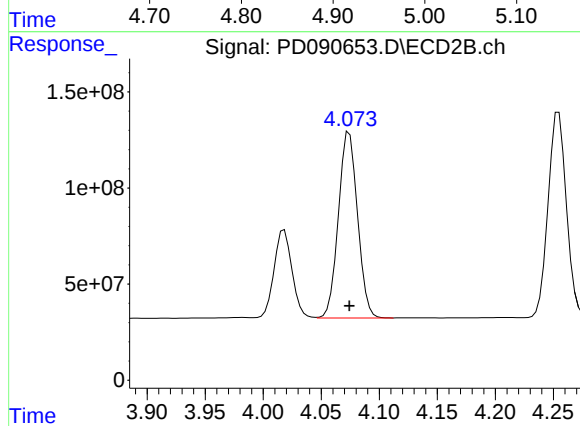
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1170208039
Conc: 25.67 ng/ml



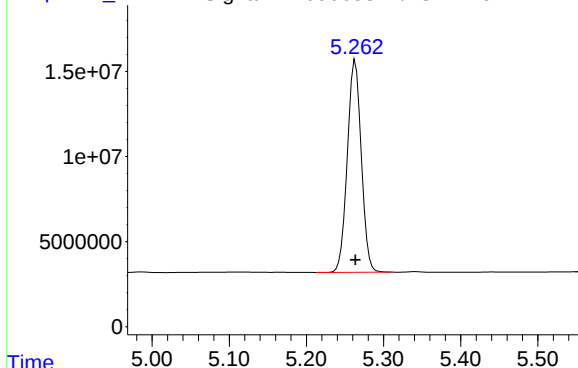
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 132221469
Conc: 23.83 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 1112572417
Conc: 26.05 ng/ml



R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 155953472
Conc: 23.98 ng/ml

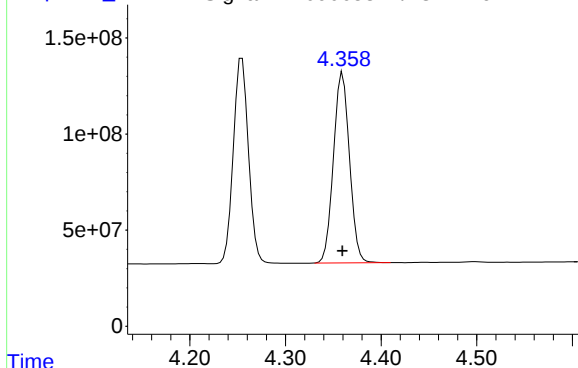
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#5 Aldrin



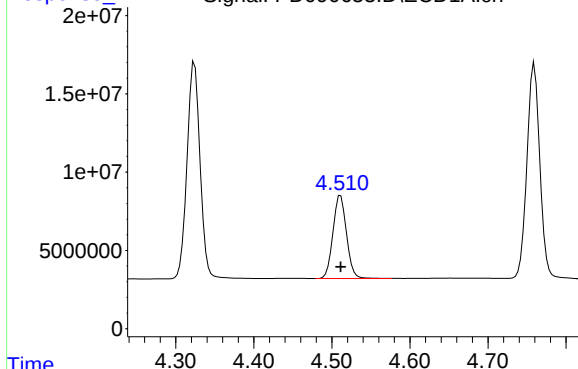
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1154309416
Conc: 25.96 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#6 beta-BHC



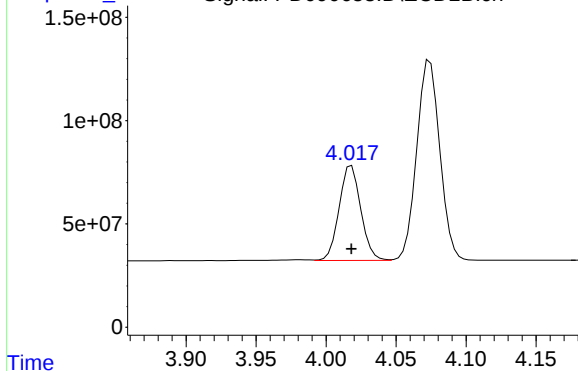
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 64015475
Conc: 25.34 ng/ml

Time

Response_

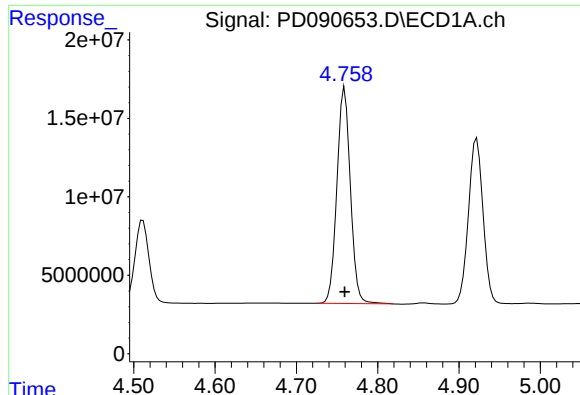
Signal: PD090653.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 495101315
Conc: 26.21 ng/ml

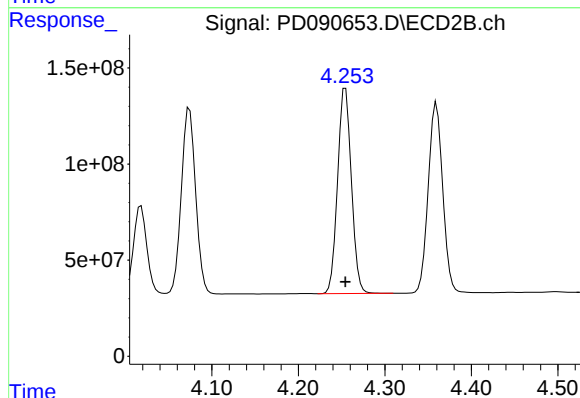
Time



#7 delta-BHC

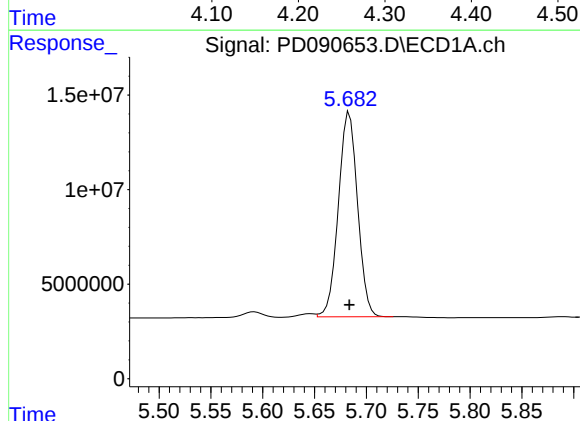
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 158561347
Conc: 23.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



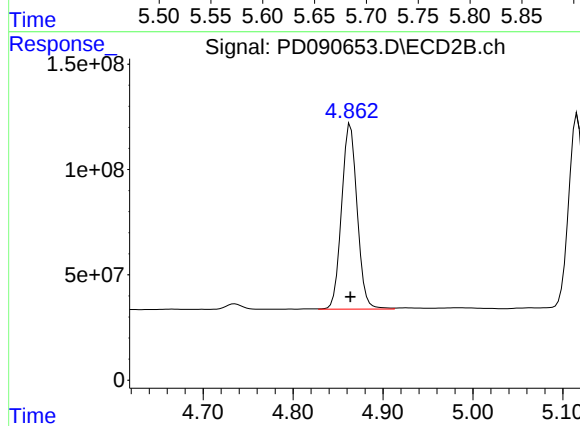
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1178894488
Conc: 25.60 ng/ml



#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 139624515
Conc: 24.49 ng/ml



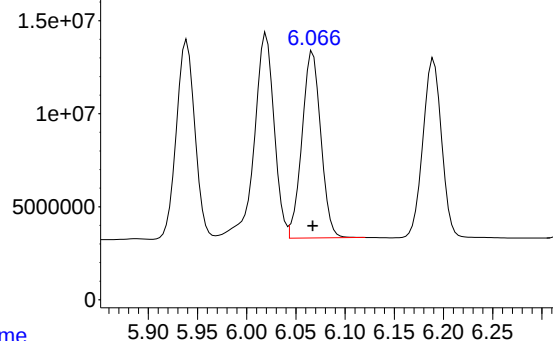
#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 1059359842
Conc: 26.46 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 133716398
Conc: 24.70 ng/ml

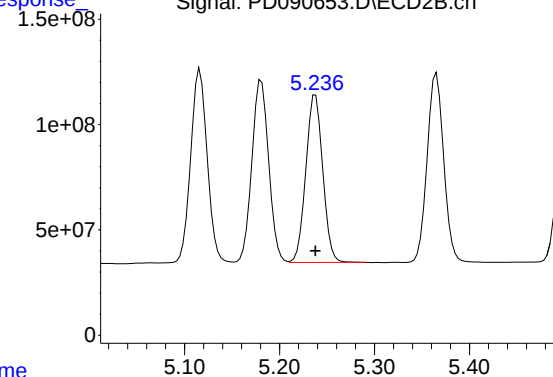
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD090653.D\ECD2B.ch

#9 Endosulfan I



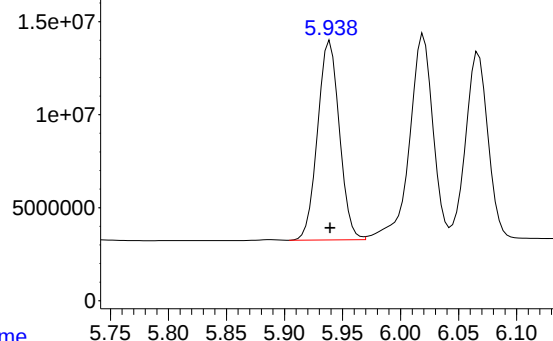
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 986966005
Conc: 26.32 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#10 gamma-Chlordane



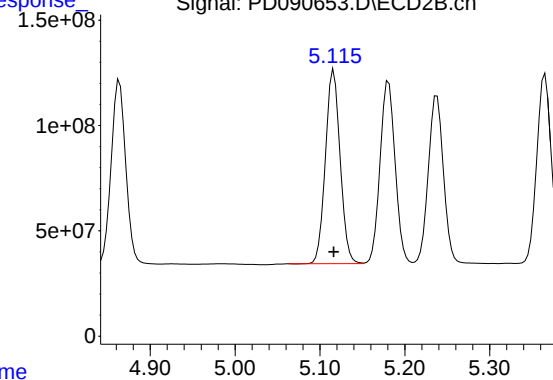
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139816717
Conc: 23.99 ng/ml

Time

Response

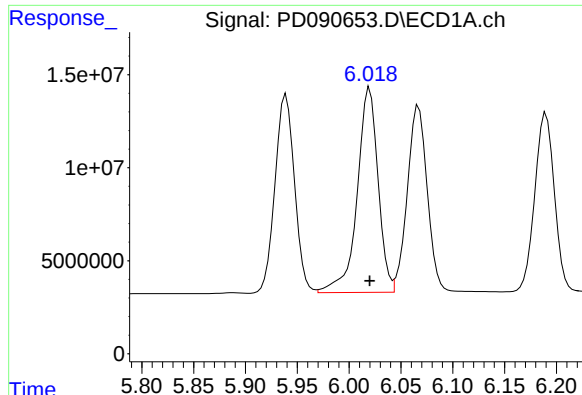
Signal: PD090653.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1108664102
Conc: 25.72 ng/ml

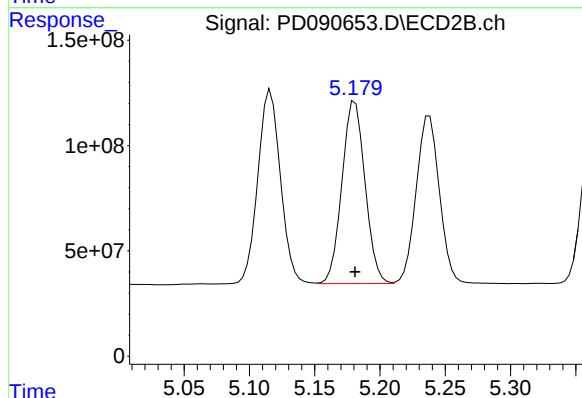
Time



#11 alpha-Chlordane

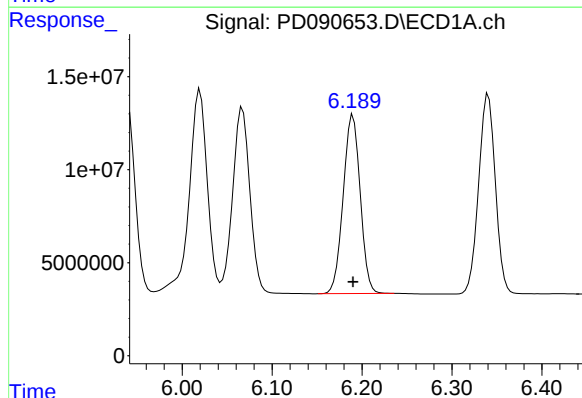
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 154261488
Conc: 25.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



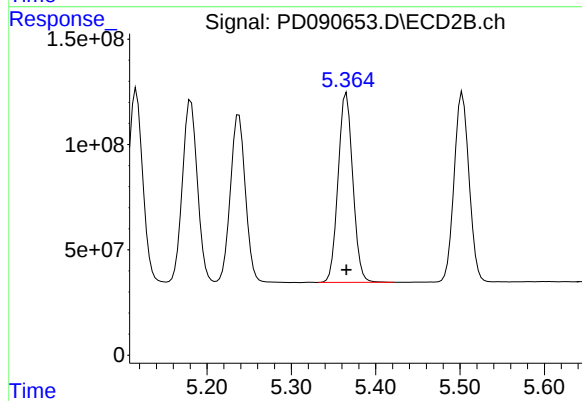
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1067721561
Conc: 25.86 ng/ml



#12 4,4'-DDE

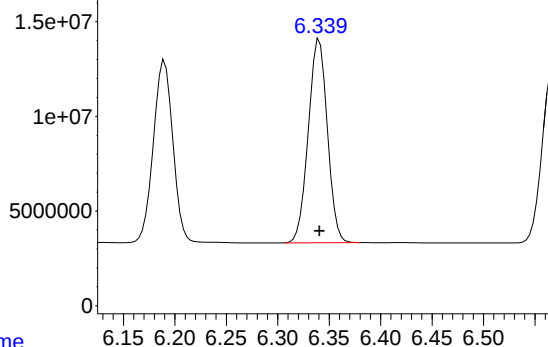
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 126326499
Conc: 23.86 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 1089429298
Conc: 25.97 ng/ml

Response_ Signal: PD090653.D\ECD1A.ch

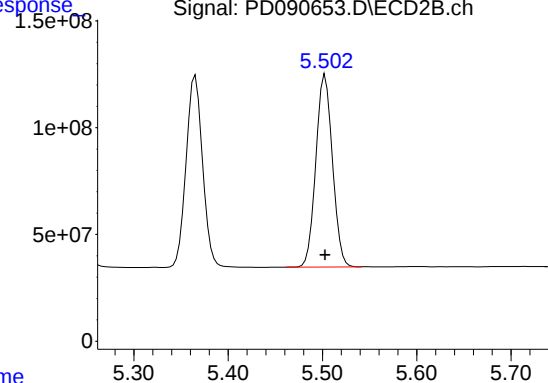


#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 138758150
Conc: 23.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

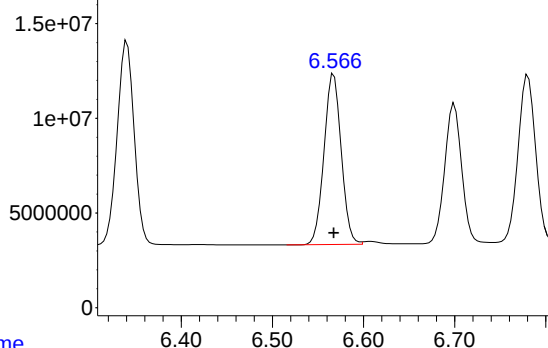
Time Response_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1105079839
Conc: 26.11 ng/ml

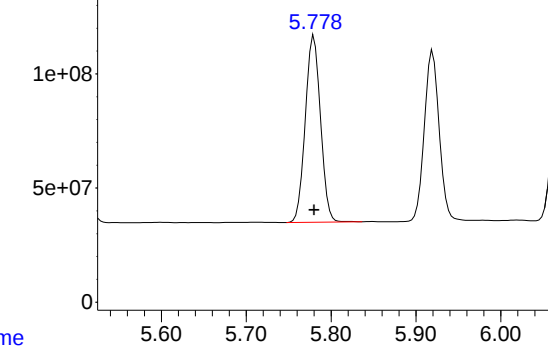
Time Response_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

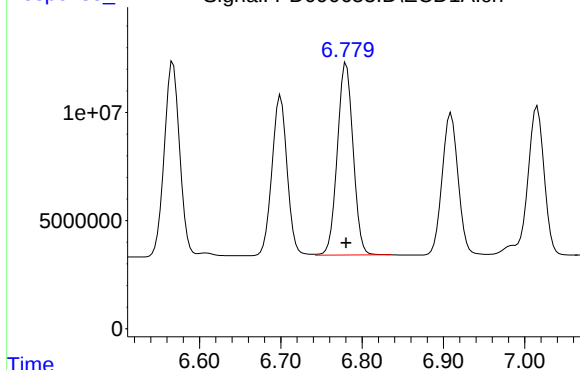
R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 117779573
Conc: 23.98 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1017324913
Conc: 26.28 ng/ml



R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 119743666
Conc: 24.71 ng/ml

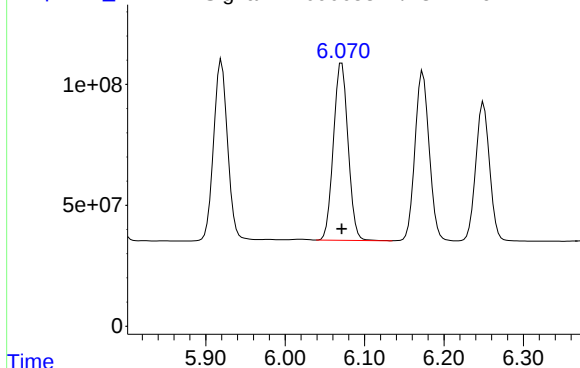
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#15 Endosulfan II



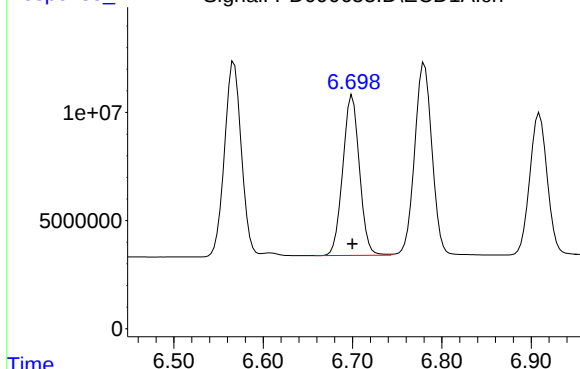
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 938003929
Conc: 26.20 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#16 4,4'-DDD



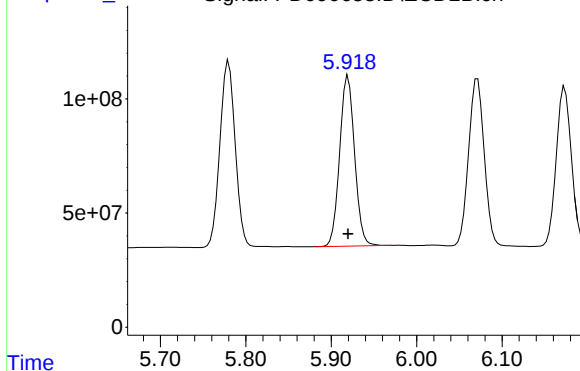
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 96019034
Conc: 23.82 ng/ml

Time

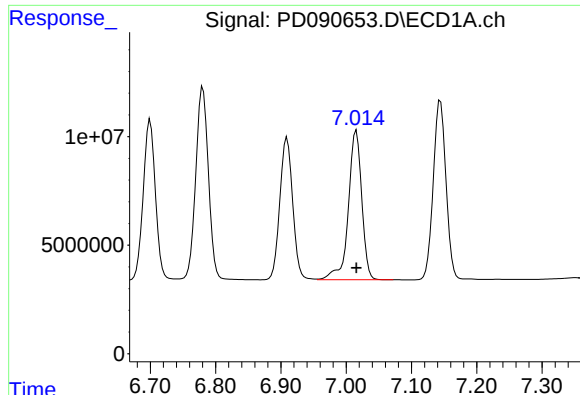
Response_

Signal: PD090653.D\ECD2B.ch

#16 4,4'-DDD



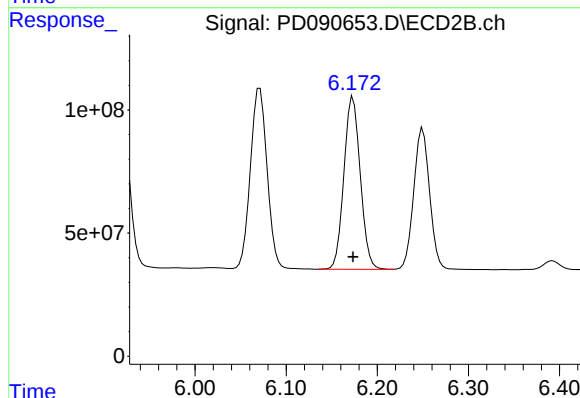
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 905938376
Conc: 25.92 ng/ml



#17 4,4'-DDT

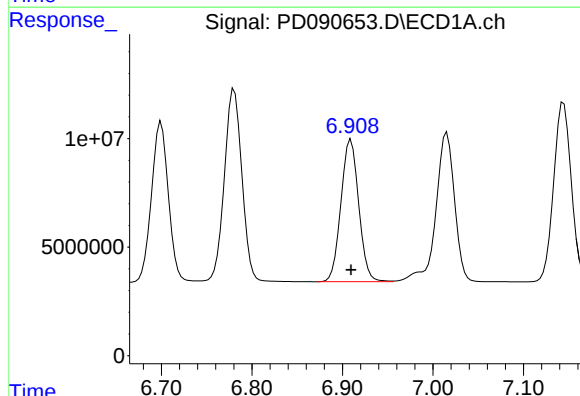
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 98197092
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



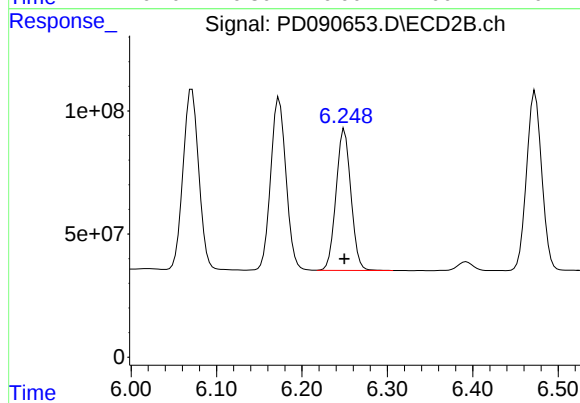
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 873976959
Conc: 25.39 ng/ml



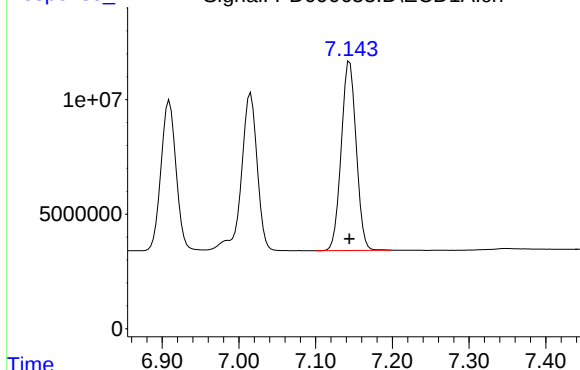
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 89492653
Conc: 25.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 694183960
Conc: 26.32 ng/ml



R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 111999004
Conc: 24.75 ng/ml

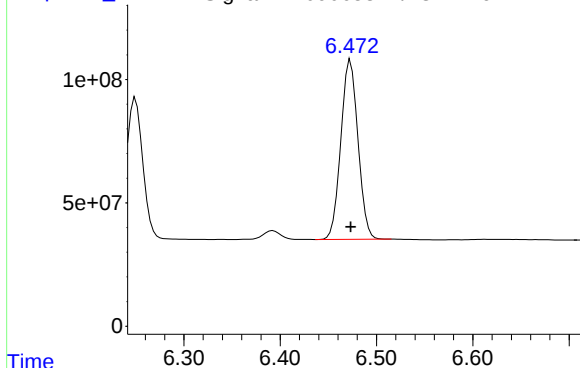
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



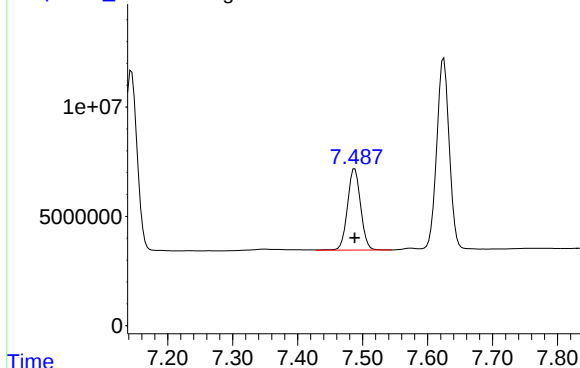
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 896525775
Conc: 26.11 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



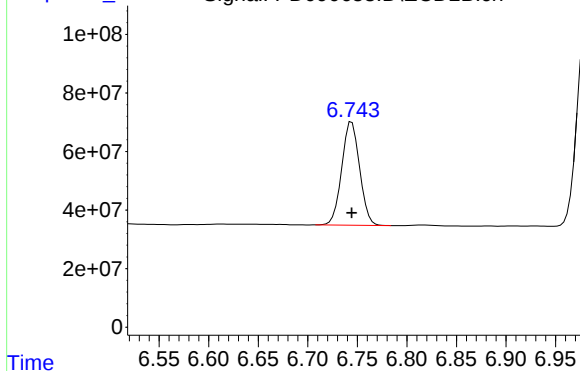
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 52364279
Conc: 25.42 ng/ml

Time

Response_

Signal: PD090653.D\ECD2B.ch

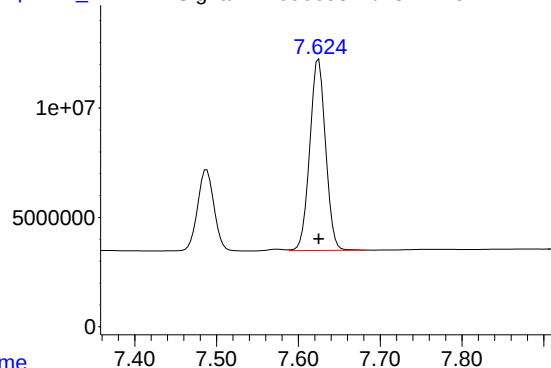
#20 Methoxychlor



R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 443376884
Conc: 26.33 ng/ml

Time

Response_ Signal: PD090653.D\ECD1A.ch

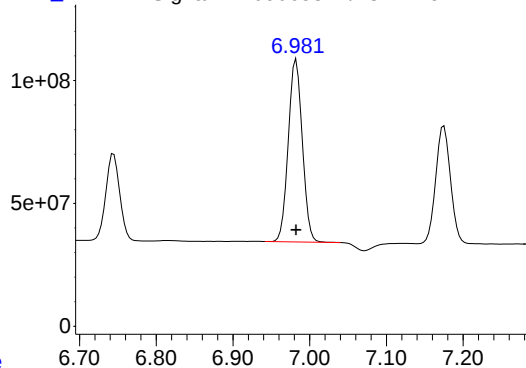


#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 117381168
Conc: 24.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

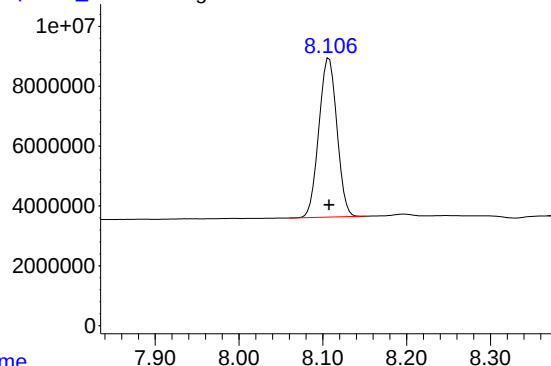
Time Response_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 945417829
Conc: 26.29 ng/ml

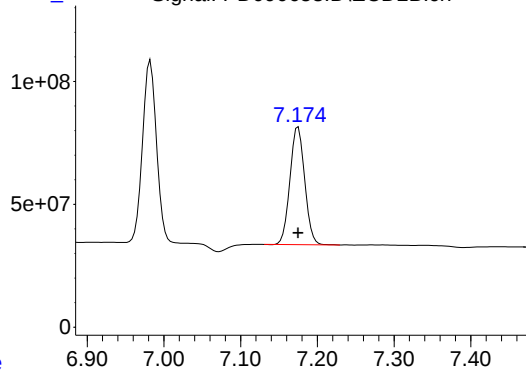
Time Response_ Signal: PD090653.D\ECD1A.ch



#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 79715192
Conc: 26.13 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#22 Mirex

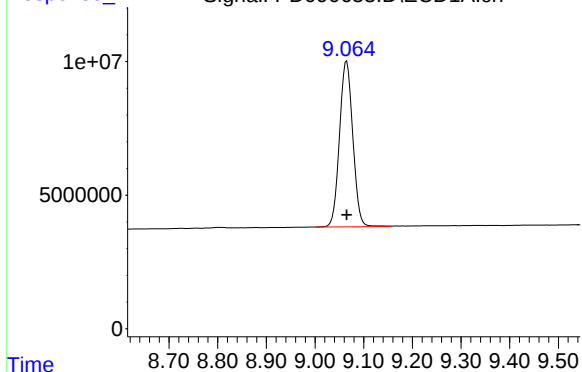
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 640790883
Conc: 26.34 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 117676418
Conc: 26.31 ng/ml

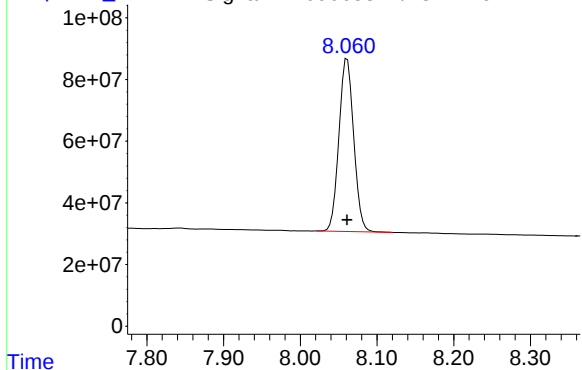
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 751430638
Conc: 25.81 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 12:28
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 13:41:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.874	17271955	174.7E6	5.550m	5.868
28) SA Decachlor...	9.066	8.062	27500355	174.9E6	5.879	5.775
Target Compounds						
2) A alpha-BHC	3.993	3.386	33677596	288.9E6	4.692	5.655
3) MA gamma-BHC...	4.324	3.723	33423739	269.5E6	4.916	5.703
4) MA Heptachlor	4.922	4.075	28789856	260.9E6	5.151	5.850
5) MB Aldrin	5.264	4.360	33624118	268.6E6	5.136	5.800
6) B beta-BHC	4.512	4.019	14963256	118.0E6	5.712	5.951
7) B delta-BHC	4.760	4.255	33098385	272.1E6	4.895	5.702
8) B Heptachlo...	5.684	4.864	30689599	265.3E6	5.301	6.280
9) A Endosulfan I	6.067	5.238	30143871	234.9E6	5.444	5.962
10) B gamma-Chl...	5.940	5.117	31705442	261.5E6	5.346	5.818
11) B alpha-Chl...	6.019	5.181	34603140	252.7E6	5.576m	5.857
12) B 4,4'-DDE	6.190	5.366	27280775	256.9E6	5.122	5.859
13) MA Dieldrin	6.341	5.504	30082015	258.0E6	5.159	5.839
14) MA Endrin	6.568	5.781	25601278	238.2E6	5.168	5.883
15) B Endosulfa...	6.781	6.072	28078989	222.9E6	5.616	5.936
16) A 4,4'-DDD	6.700	5.921	20742842	211.9E6	5.116	5.814
17) MA 4,4'-DDT	7.016	6.175	20485670	188.3E6	4.984	5.370
18) B Endrin al...	6.910	6.250	20741409	164.8E6	5.663	5.950
19) B Endosulfa...	7.144	6.474	25464611	209.5E6	5.490	5.845
20) A Methoxychlor	7.489	6.745	11946535	98858490	5.620	5.672
21) B Endrin ke...	7.624	6.983	26302012	223.7E6	5.414m	5.931
22) Mirex	8.108	7.175	19009608	155.6E6	5.939	6.058

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:28
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

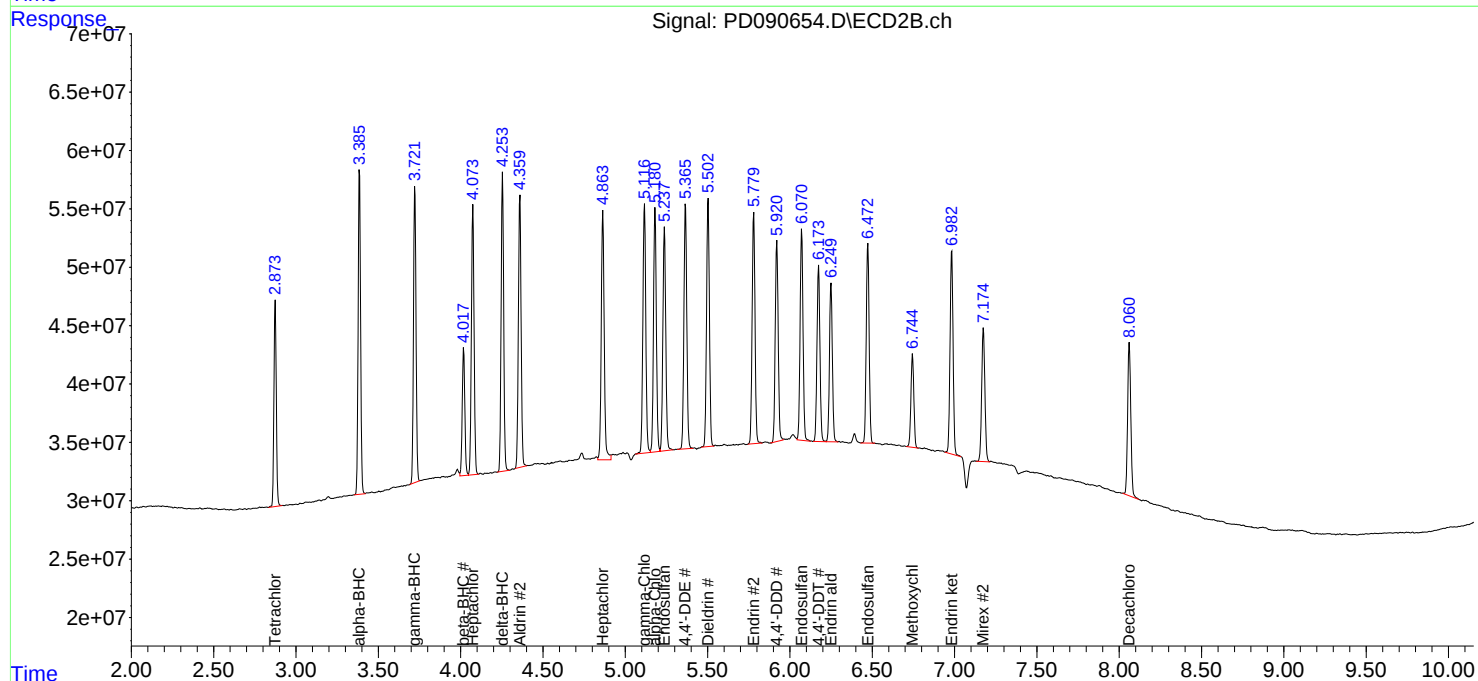
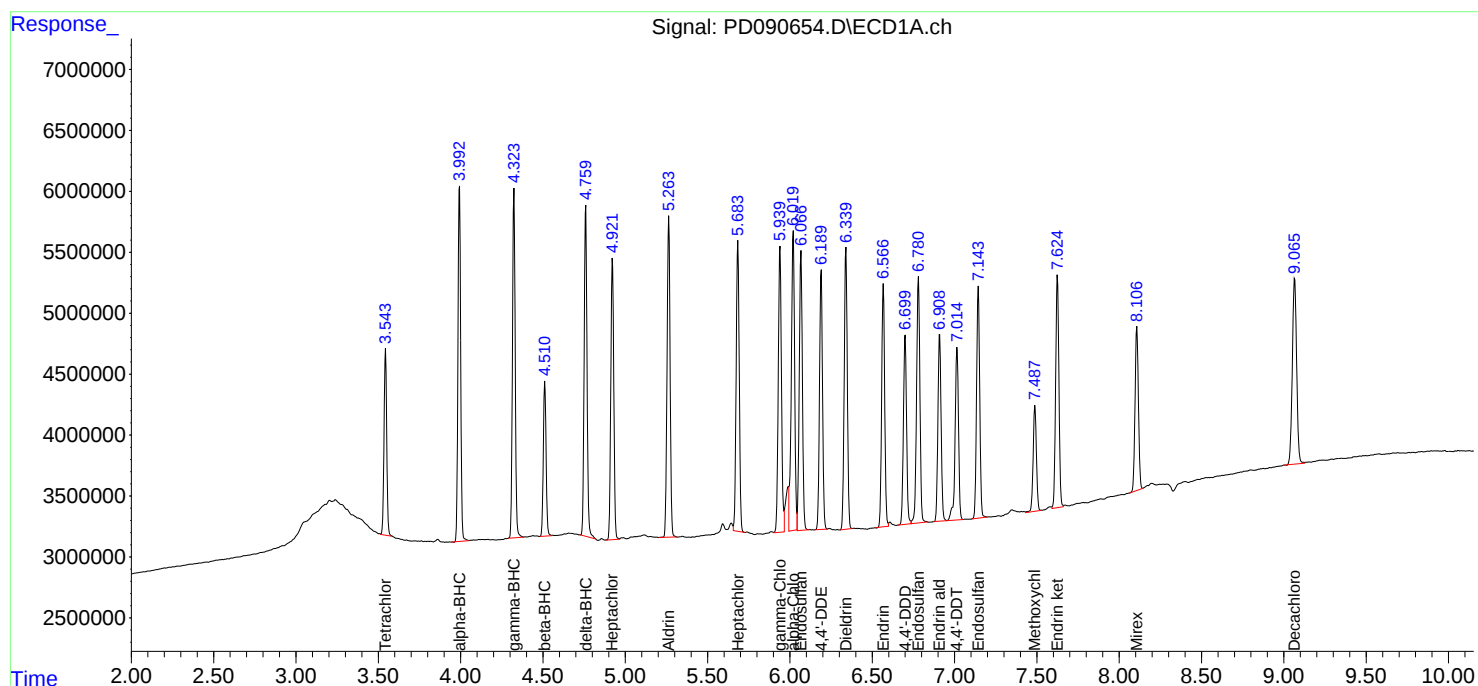
APPROVED

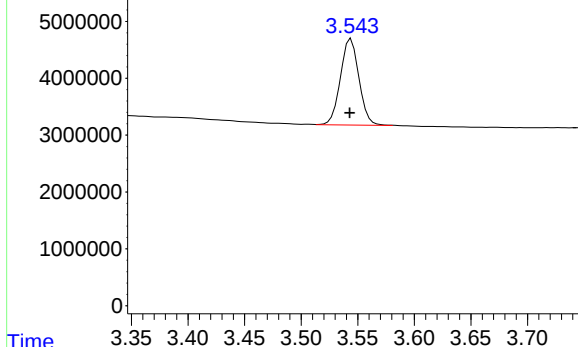
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:41:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 17271955
Conc: 5.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

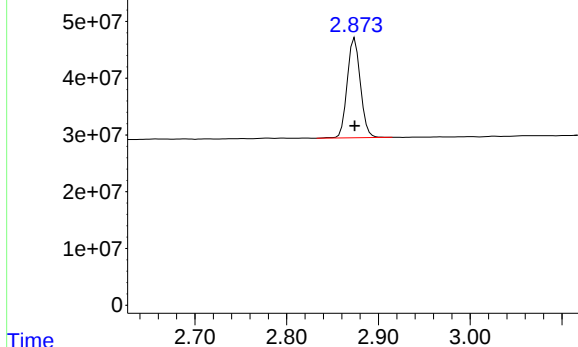
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025

Time 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.70

Response_ Signal: PD090654.D\ECD2B.ch

#1 Tetrachloro-m-xylene

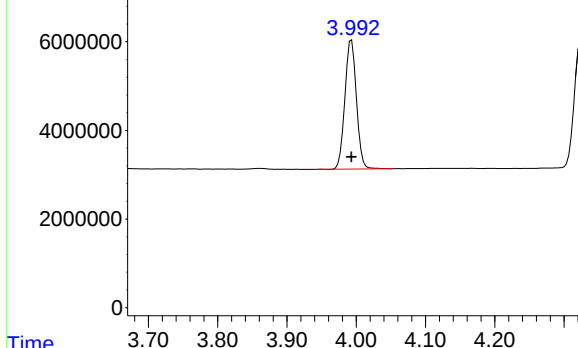


R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 174747032
Conc: 5.87 ng/ml

Time 2.70 2.80 2.90 3.00

Response_ Signal: PD090654.D\ECD1A.ch

#2 alpha-BHC

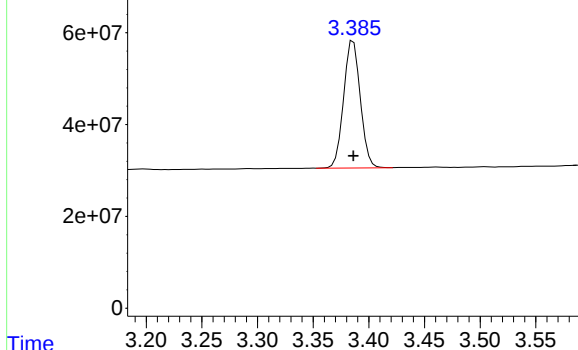


R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 33677596
Conc: 4.69 ng/ml

Time 3.70 3.80 3.90 4.00 4.10 4.20

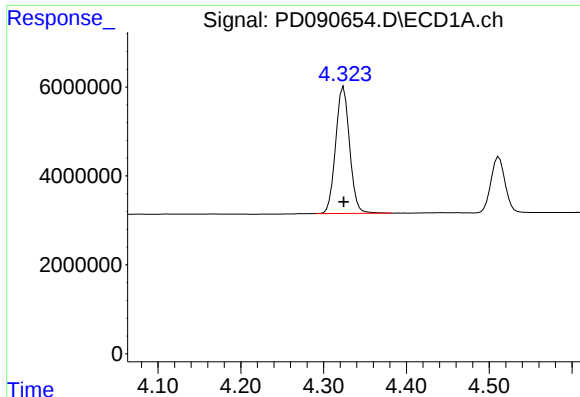
Response_ Signal: PD090654.D\ECD2B.ch

#2 alpha-BHC



R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 288924308
Conc: 5.65 ng/ml

Time 3.20 3.25 3.30 3.35 3.40 3.45 3.50 3.55



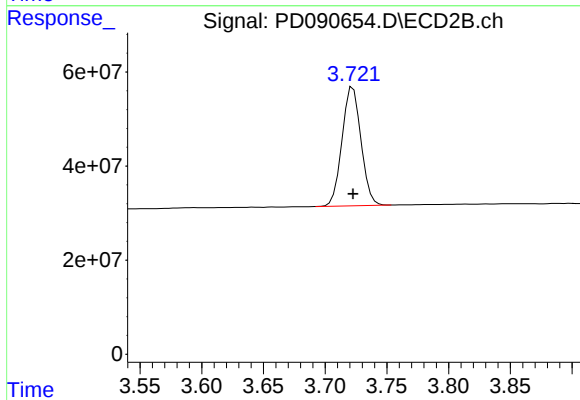
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 33423739
Conc: 4.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

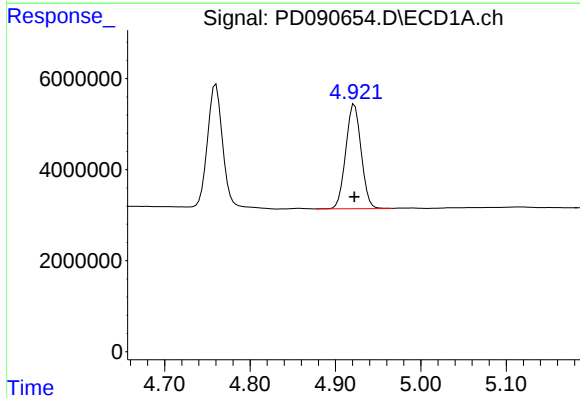
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



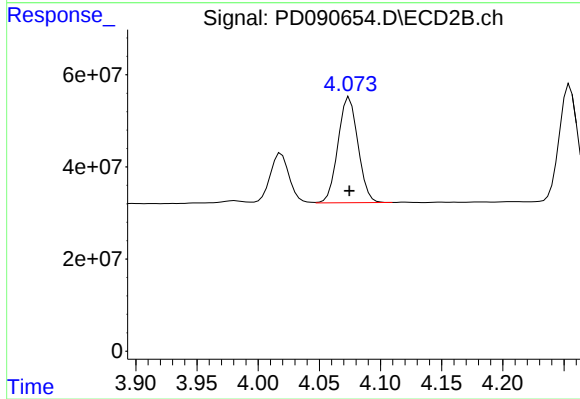
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 269467396
Conc: 5.70 ng/ml



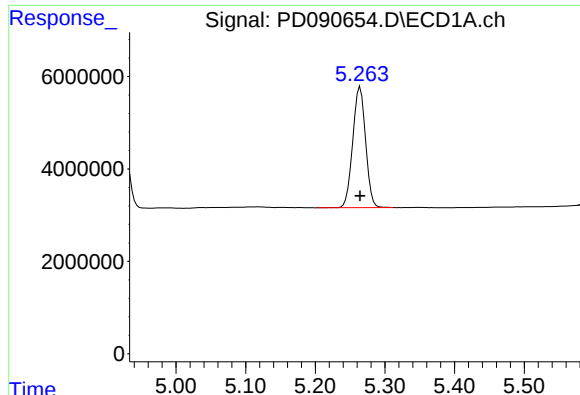
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 28789856
Conc: 5.15 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 260945196
Conc: 5.85 ng/ml



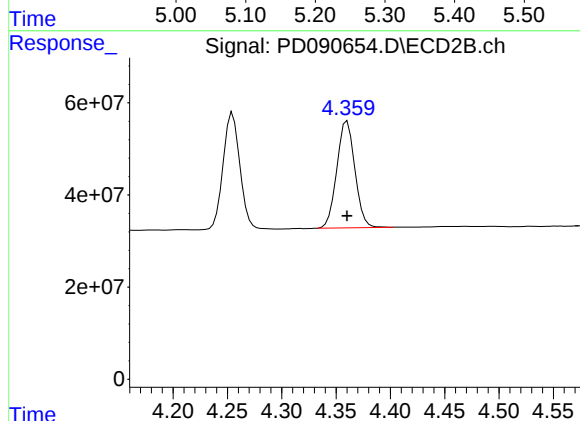
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 33624118
Conc: 5.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

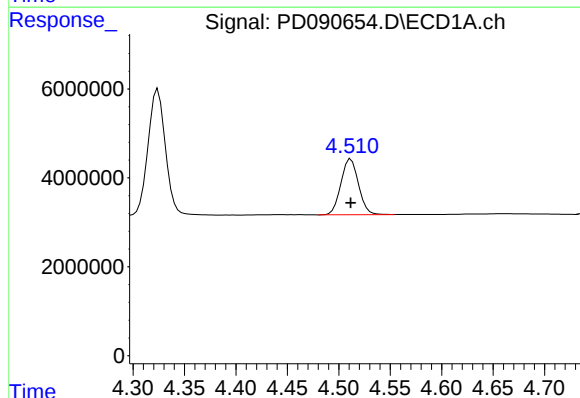
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



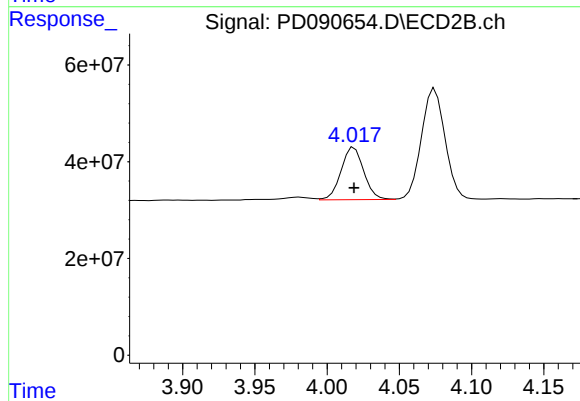
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 268648325
Conc: 5.80 ng/ml



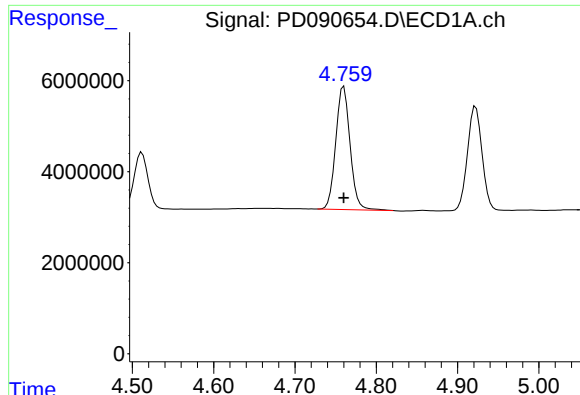
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 14963256
Conc: 5.71 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 118003884
Conc: 5.95 ng/ml



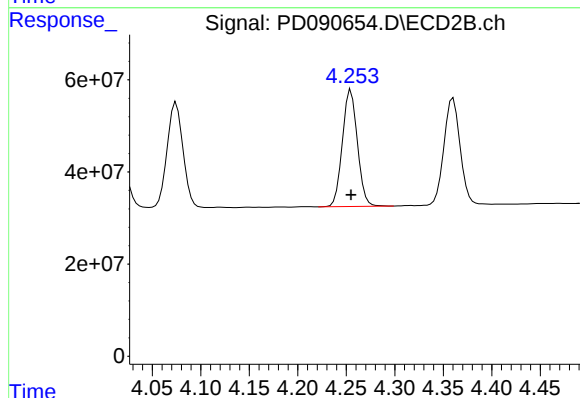
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 33098385
Conc: 4.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

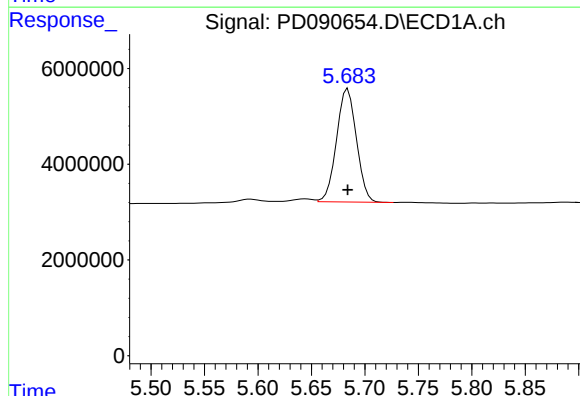
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



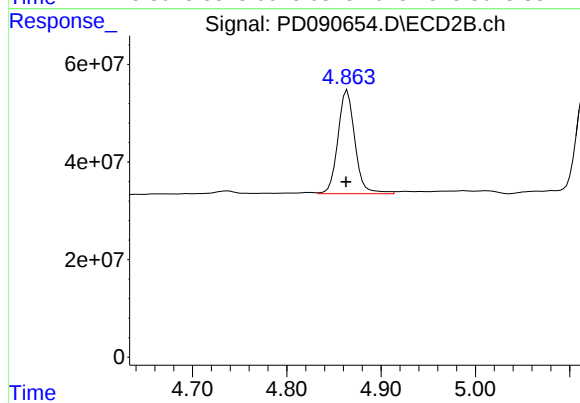
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 272079912
Conc: 5.70 ng/ml



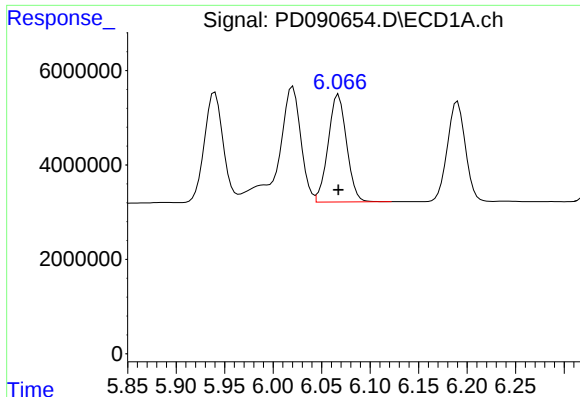
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 30689599
Conc: 5.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.001 min
Response: 265262691
Conc: 6.28 ng/ml



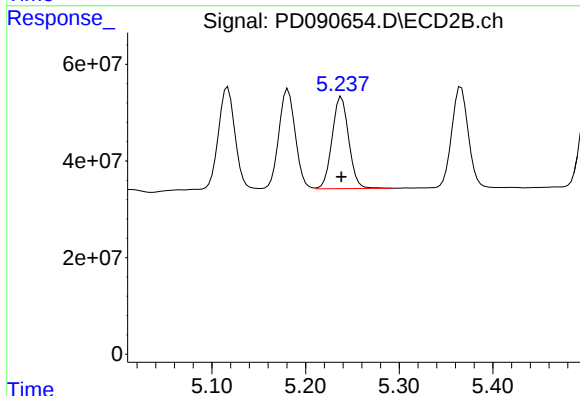
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 30143871
Conc: 5.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

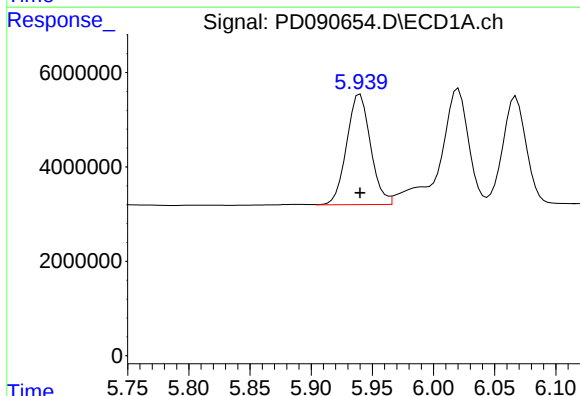
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



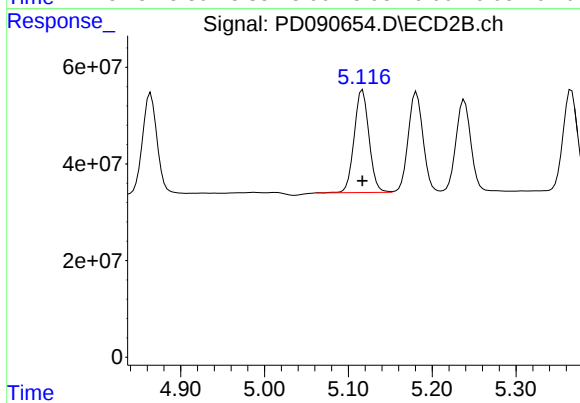
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 234861846
Conc: 5.96 ng/ml



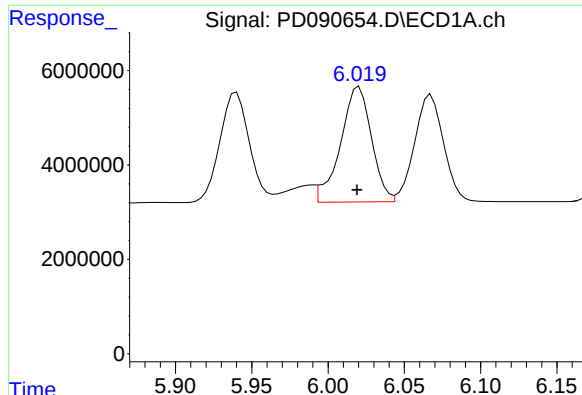
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 31705442
Conc: 5.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 261533283
Conc: 5.82 ng/ml



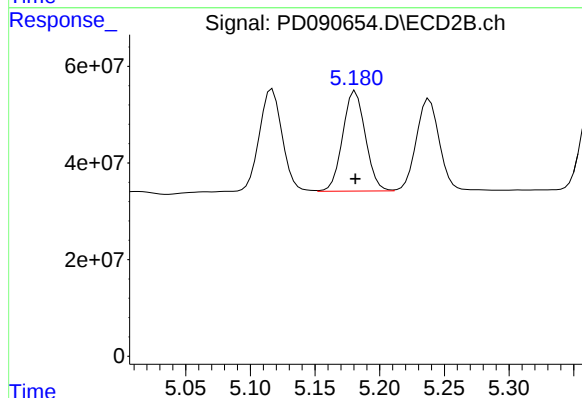
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 34603140
Conc: 5.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

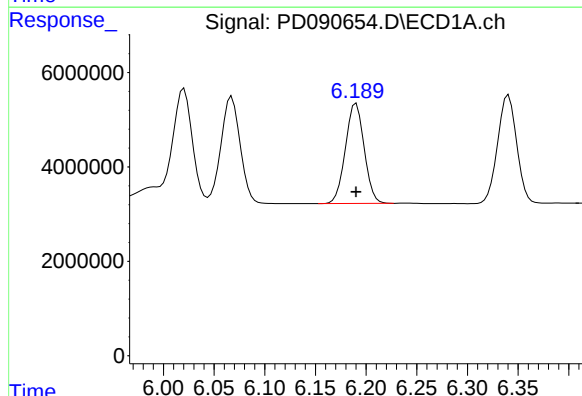
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



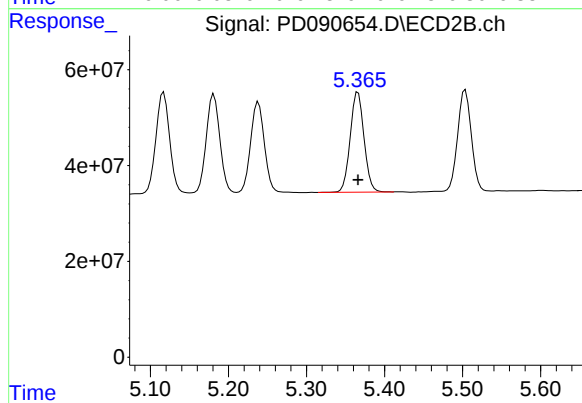
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 252662629
Conc: 5.86 ng/ml



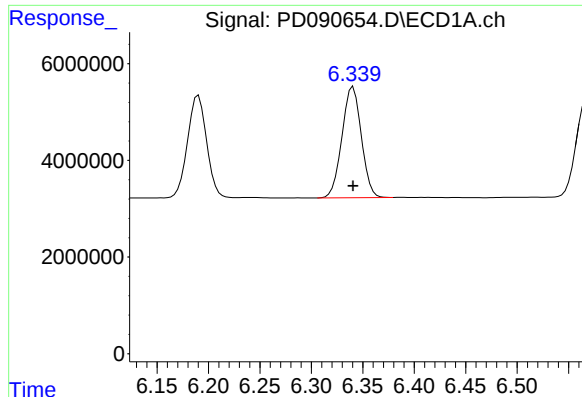
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 27280775
Conc: 5.12 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 256868291
Conc: 5.86 ng/ml



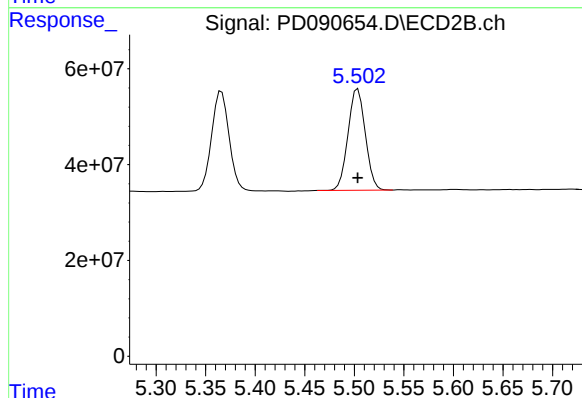
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 30082015
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

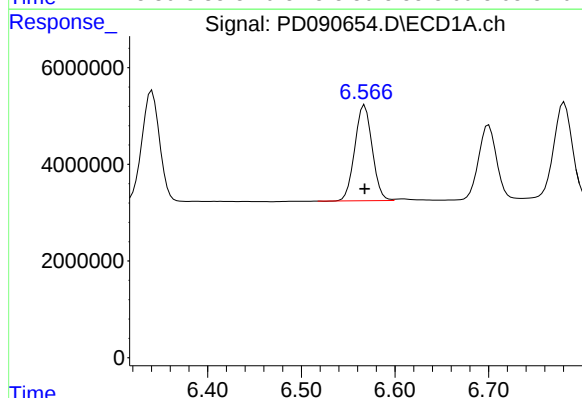
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



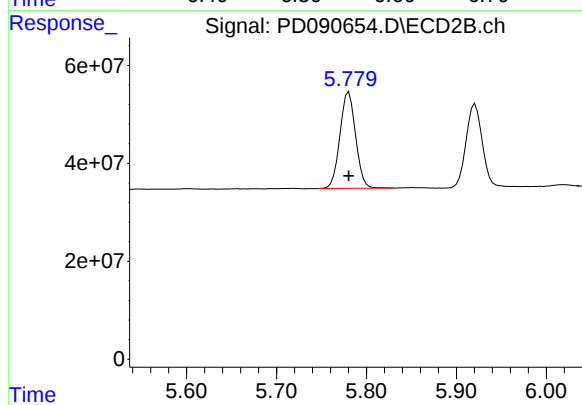
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 257969409
Conc: 5.84 ng/ml



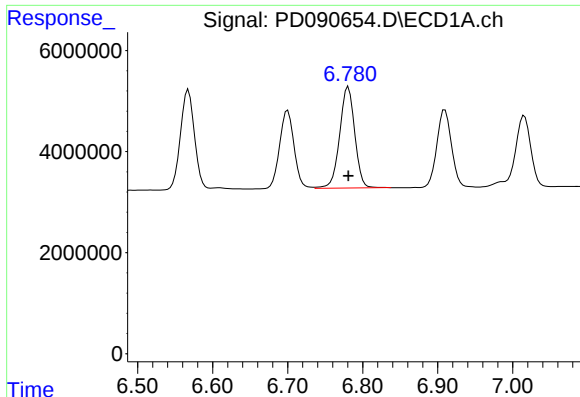
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 25601278
Conc: 5.17 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 238232371
Conc: 5.88 ng/ml



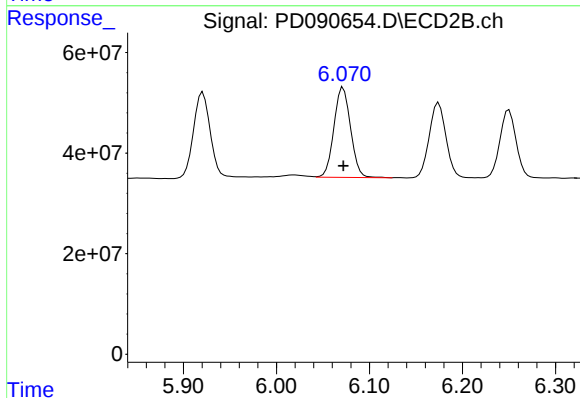
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 28078989
Conc: 5.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

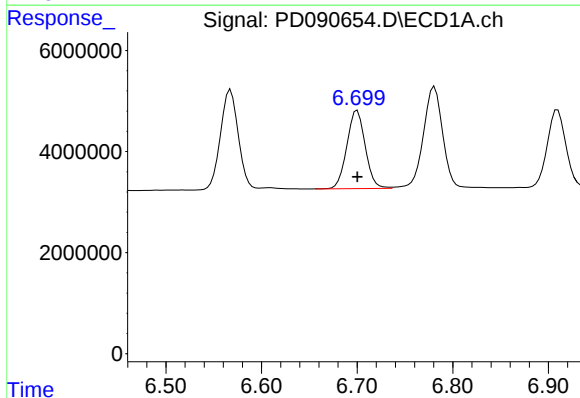
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



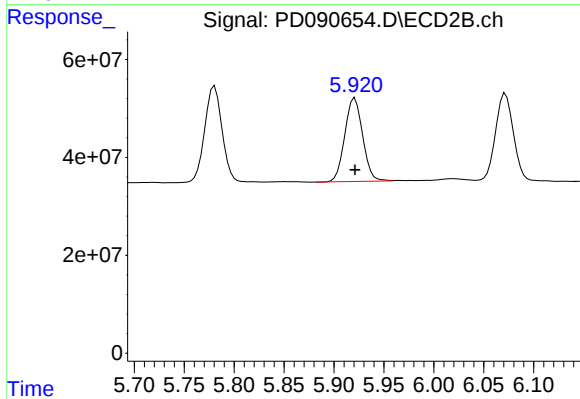
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 222935892
Conc: 5.94 ng/ml



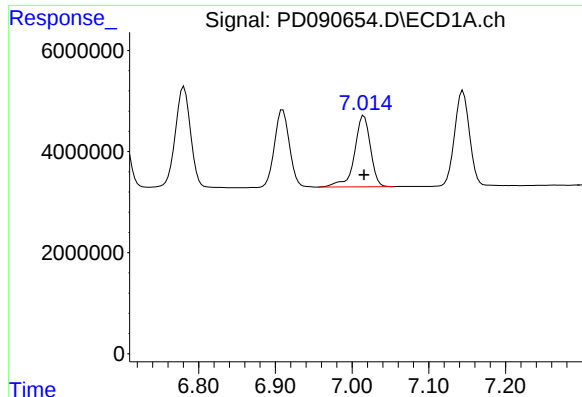
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 20742842
Conc: 5.12 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 211866590
Conc: 5.81 ng/ml



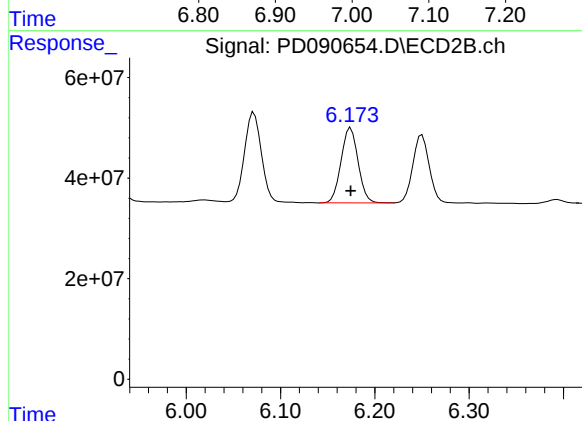
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 20485670
Conc: 4.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

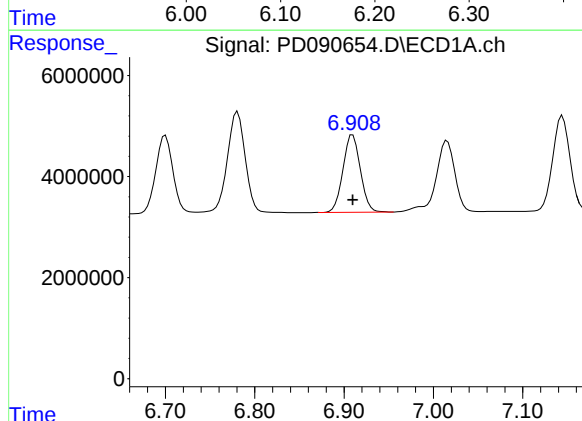
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



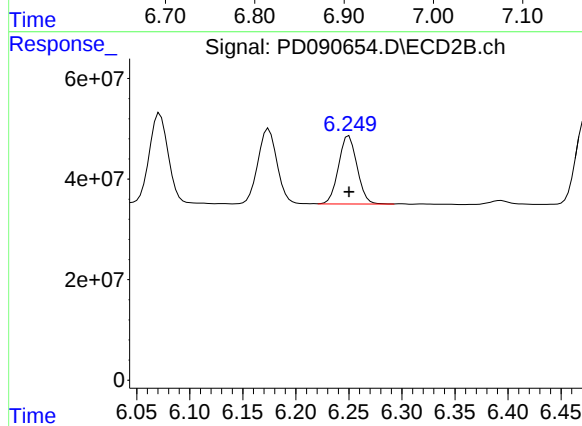
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 188338004
Conc: 5.37 ng/ml



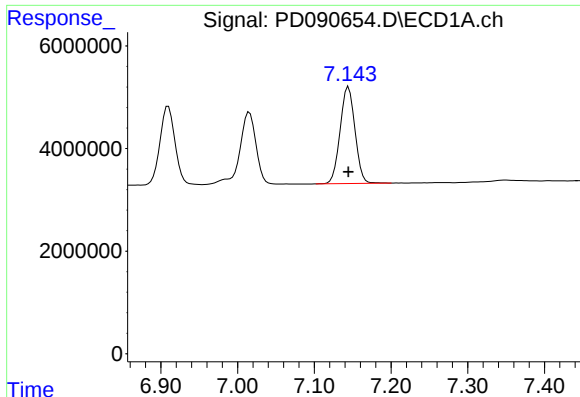
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 20741409
Conc: 5.66 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 164766045
Conc: 5.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 25464611
Conc: 5.49 ng/ml

Instrument :

ECD_D

ClientSampleId :

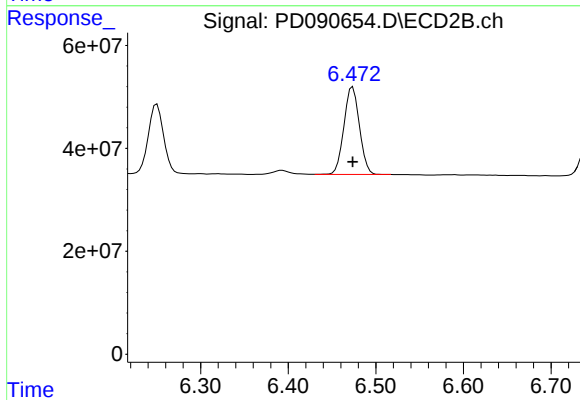
PSTDICC005

Manual Integrations

APPROVED

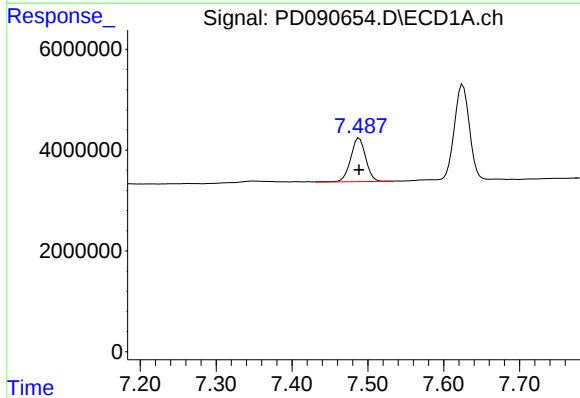
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025



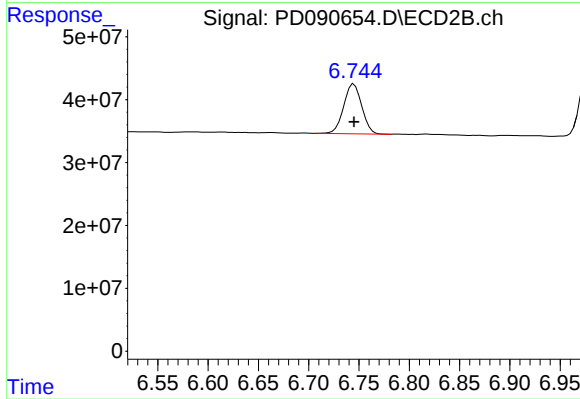
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 209504586
Conc: 5.84 ng/ml



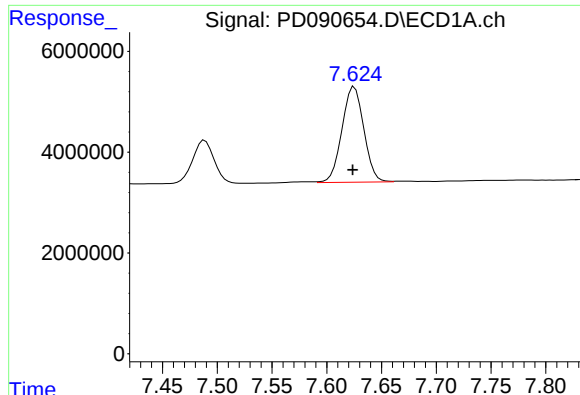
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 11946535
Conc: 5.62 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 98858490
Conc: 5.67 ng/ml



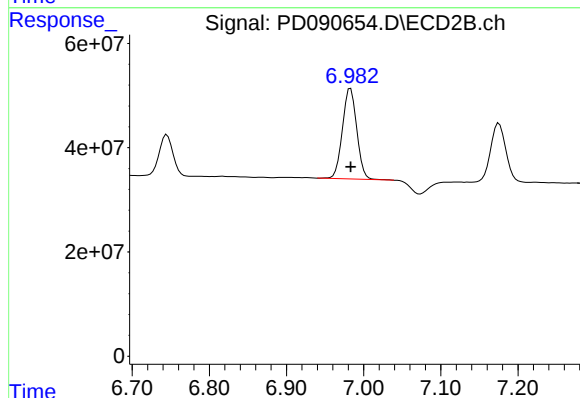
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 26302012
Conc: 5.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

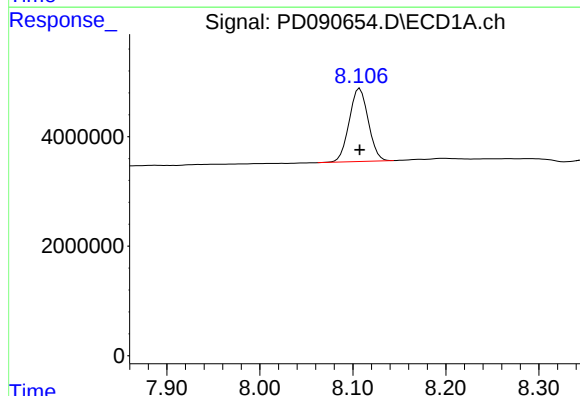
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



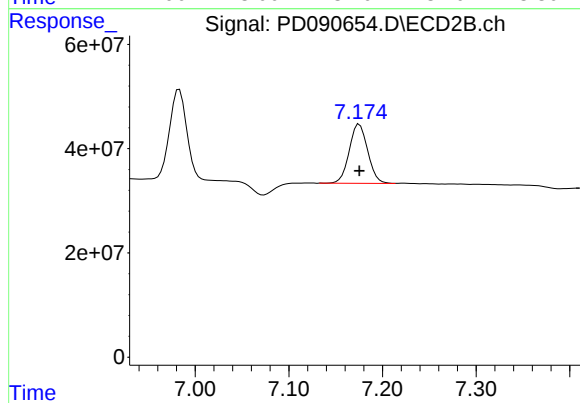
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 223704577
Conc: 5.93 ng/ml



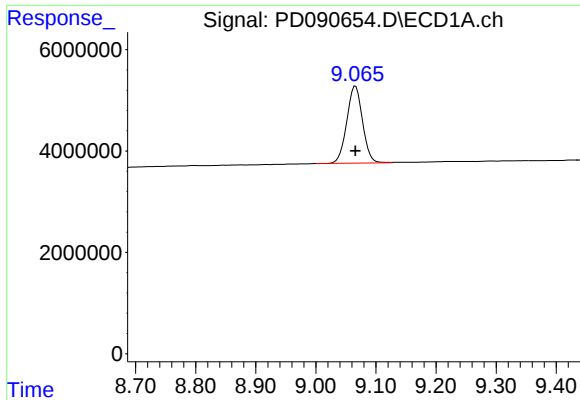
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 19009608
Conc: 5.94 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 155640388
Conc: 6.06 ng/ml



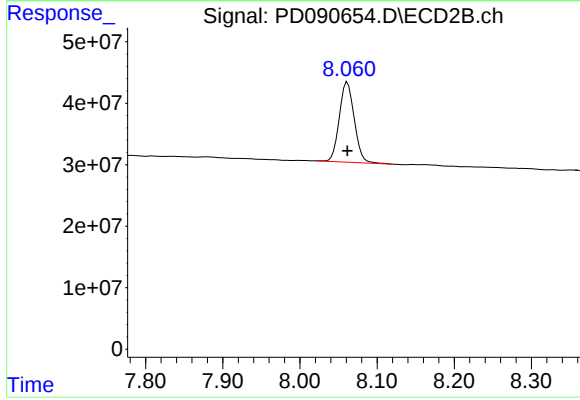
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 27500355
Conc: 5.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 174937832
Conc: 5.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
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: Oct 17 13:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:48:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.874	108.8E6	1215.0E6	50.000	50.000
28)	SA Decachlor...	9.066	8.062	167.8E6	1105.6E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.708	3.898	92608674	605.2E6	500.000	500.000
24)	Chlordane-2	5.235	4.479	92865500	631.9E6	500.000	500.000
25)	Chlordane-3	5.941	5.117	379.1E6	1885.9E6	500.000	500.000
26)	Chlordane-4	6.026	5.181	458.8E6	1625.9E6	500.000	500.000
27)	Chlordane-5	6.865	6.081	74238996	730.3E6	500.000	500.000

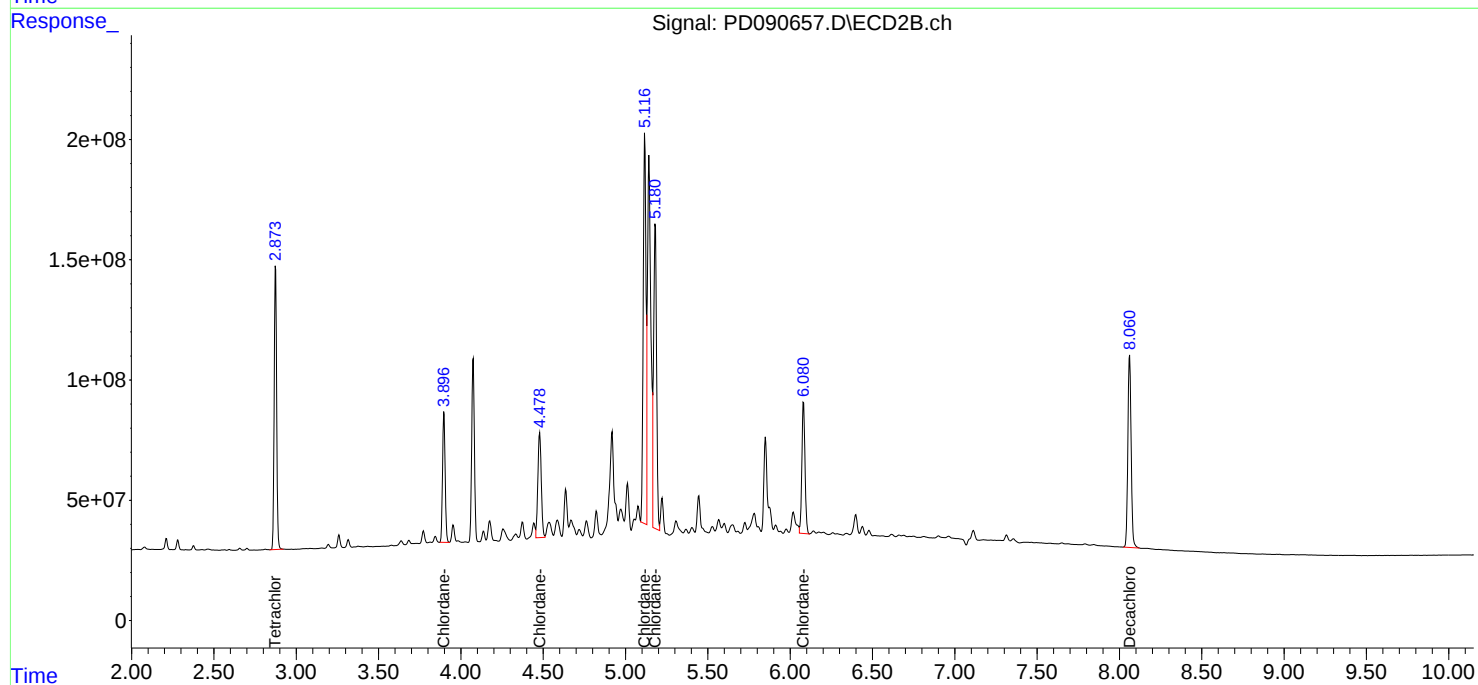
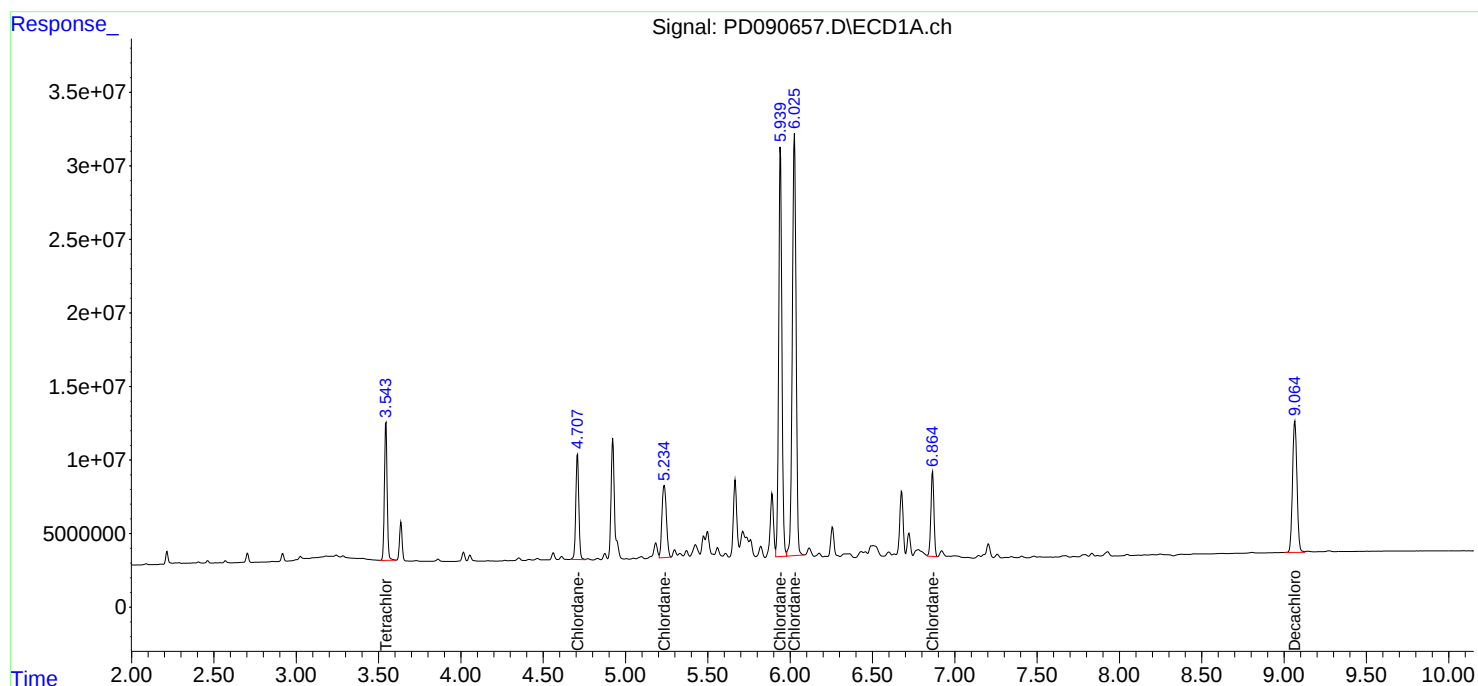
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

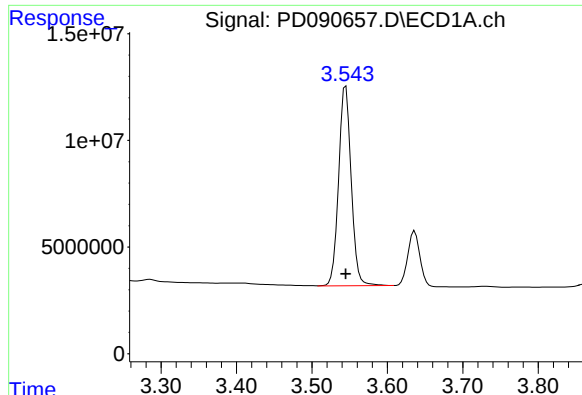
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:48:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

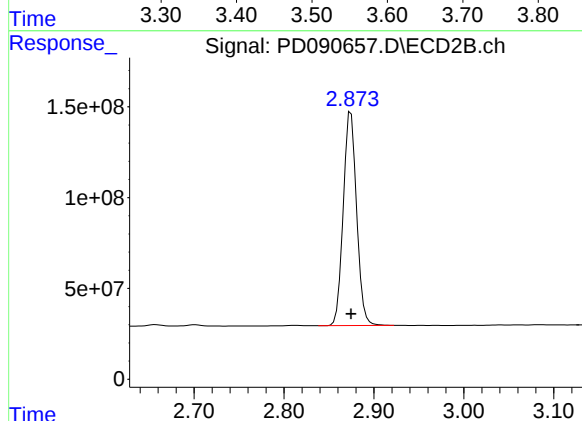




#1 Tetrachloro-m-xylene

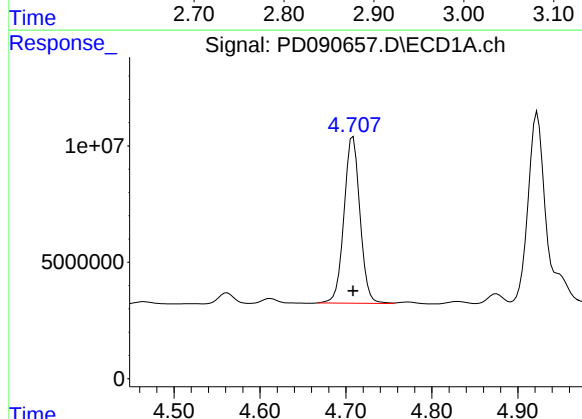
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 108758097
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



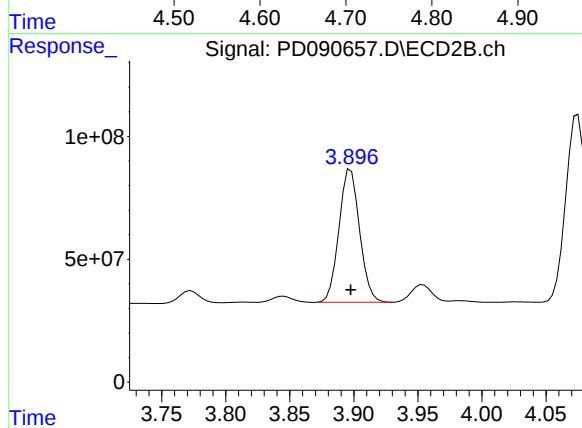
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1214996007
Conc: 50.00 ng/ml



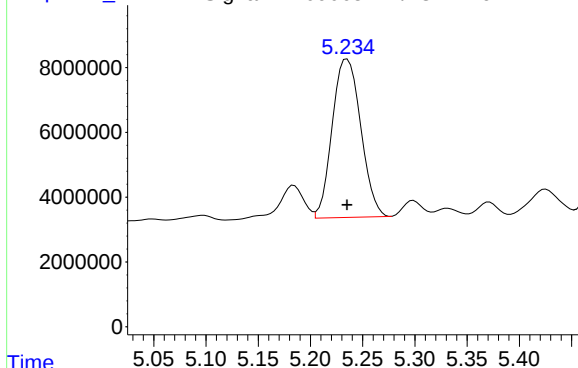
#23 Chlordane-1

R.T.: 4.708 min
Delta R.T.: 0.000 min
Response: 92608674
Conc: 500.00 ng/ml



#23 Chlordane-1

R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 605185458
Conc: 500.00 ng/ml

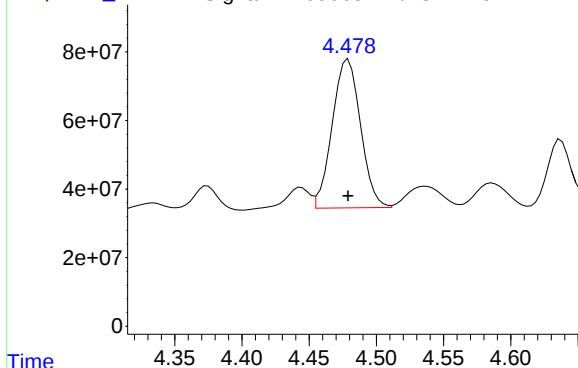


R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 92865500
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Time Response_ Signal: PD090657.D\ECD2B.ch

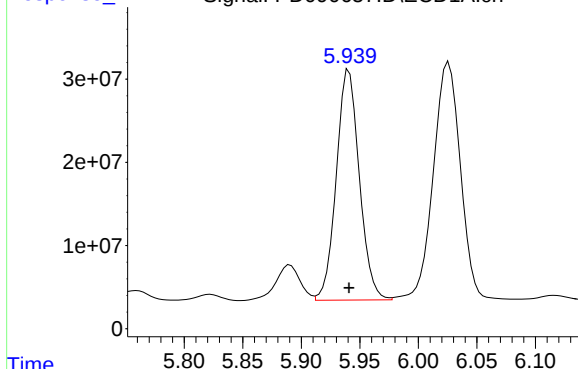
#24 Chlordane-2



R.T.: 4.479 min
Delta R.T.: 0.000 min
Response: 631892083
Conc: 500.00 ng/ml

Time Response_ Signal: PD090657.D\ECD1A.ch

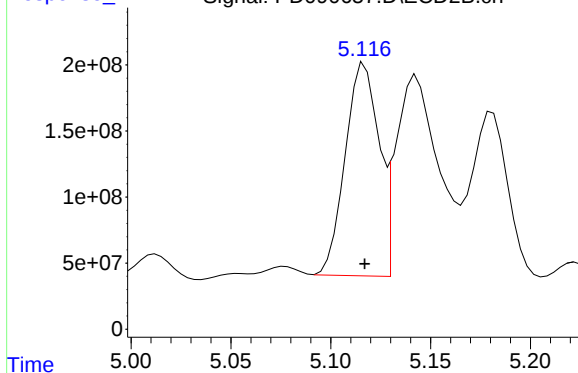
#25 Chlordane-3



R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 379095261
Conc: 500.00 ng/ml

Time Response_ Signal: PD090657.D\ECD2B.ch

#25 Chlordane-3



R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1885915535
Conc: 500.00 ng/ml

Response_ Signal: PD090657.D\ECD1A.ch

#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 458791566
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Time

Response_ Signal: PD090657.D\ECD2B.ch

#26 Chlordane-4

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1625937453
Conc: 500.00 ng/ml

Time

Response_ Signal: PD090657.D\ECD1A.ch

#27 Chlordane-5

R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 74238996
Conc: 500.00 ng/ml

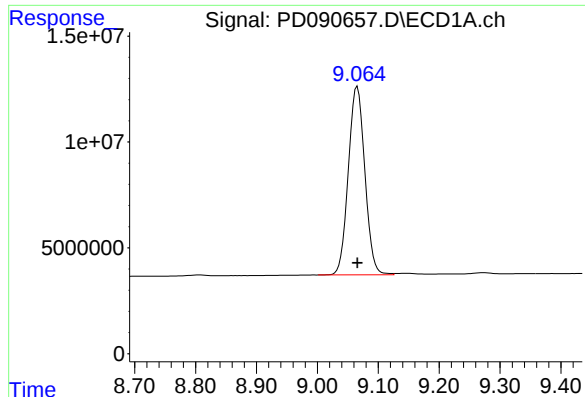
Time

Response_ Signal: PD090657.D\ECD2B.ch

#27 Chlordane-5

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 730253582
Conc: 500.00 ng/ml

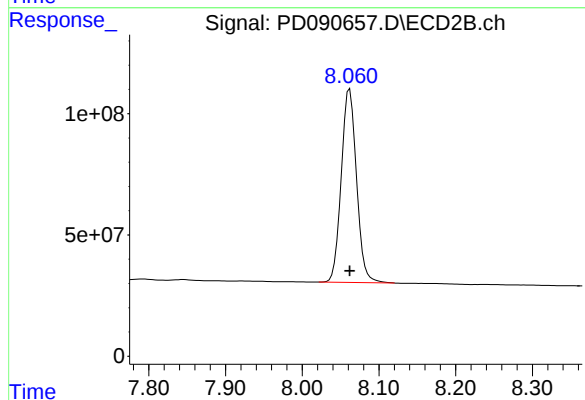
Time



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 167755700
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1105630741
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:17
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: Oct 17 14:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:35:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.875	149.0E6	1451.5E6	50.000	50.000
7) SA Decachlor...	9.066	8.062	225.6E6	1489.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	5.466	16282219	131.9E6	500.000	500.000
3) Toxaphene-2	6.436	5.638	24310877	88280081	500.000	500.000
4) Toxaphene-3	7.143	6.745	42855293	329.4E6	500.000	500.000
5) Toxaphene-4	7.558	7.189	47868684	247.6E6	500.000	500.000
6) Toxaphene-5	7.923	7.320	30240231	123.0E6	500.000	500.000

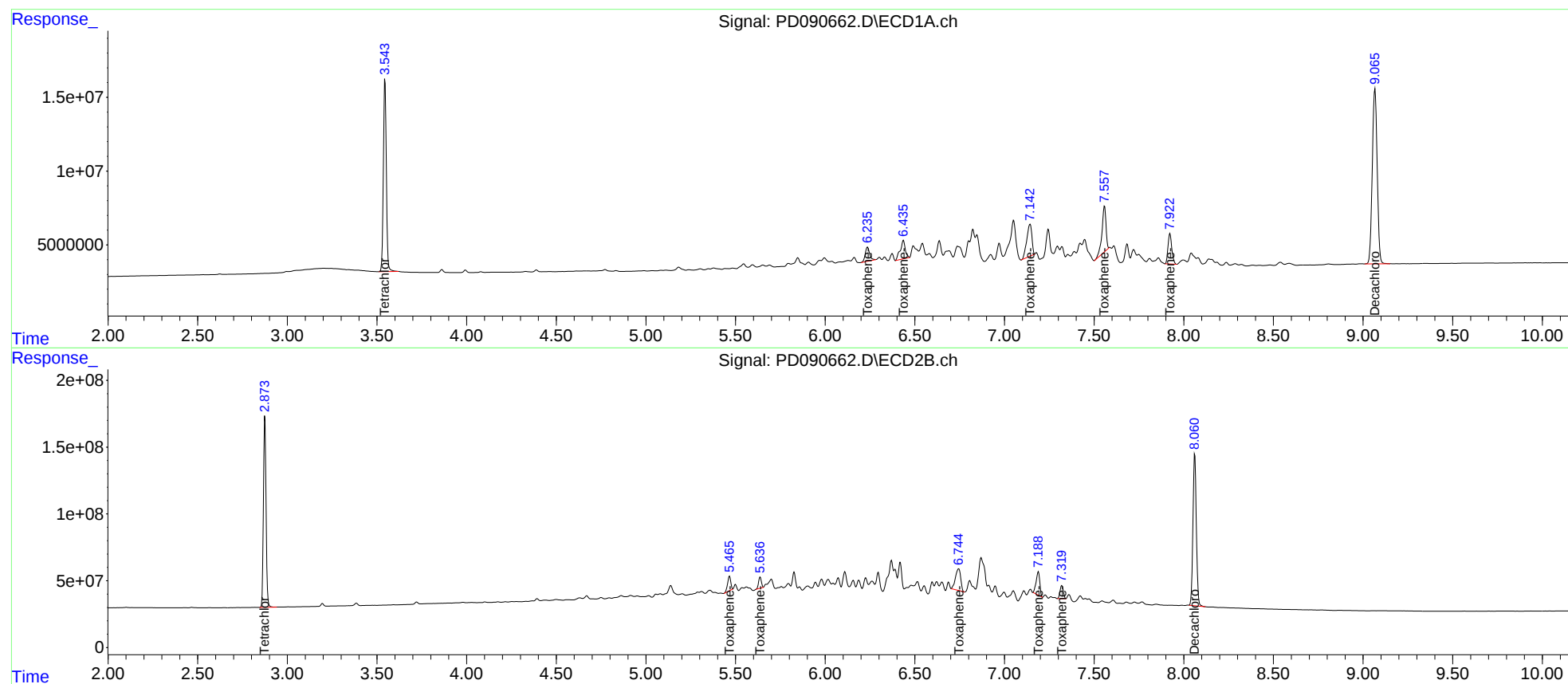
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

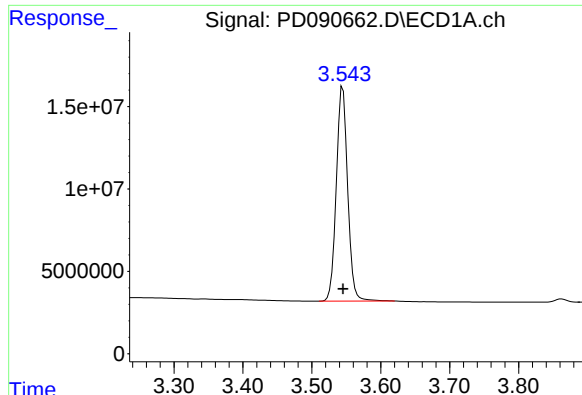
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:17
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:35:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

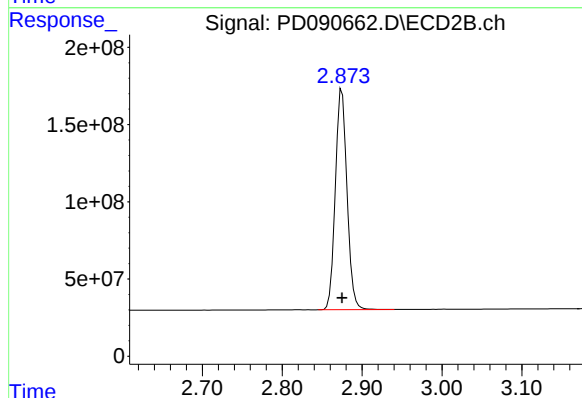




#1 Tetrachloro-m-xylene

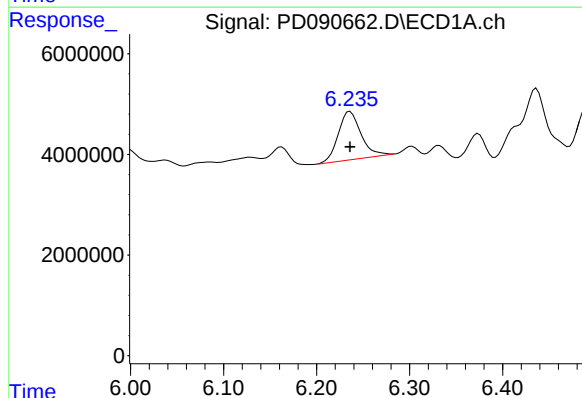
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 149025126
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



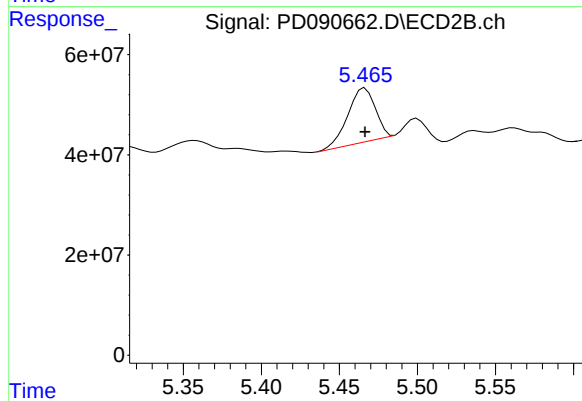
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1451452961
Conc: 50.00 ng/ml



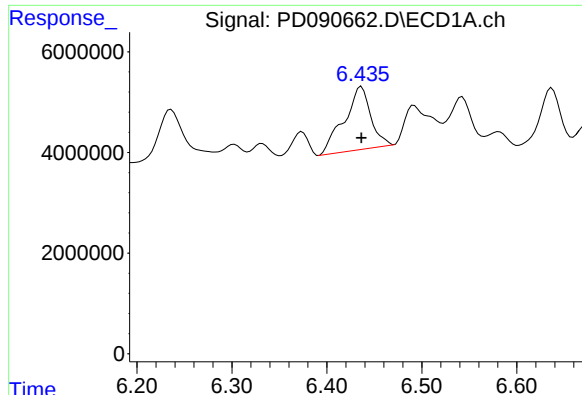
#2 Toxaphene-1

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 16282219
Conc: 500.00 ng/ml



#2 Toxaphene-1

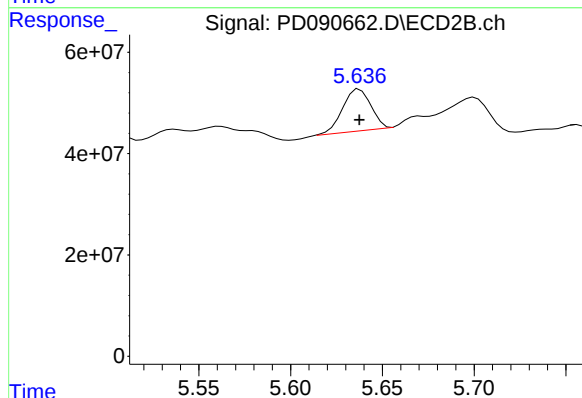
R.T.: 5.466 min
Delta R.T.: 0.000 min
Response: 131850816
Conc: 500.00 ng/ml



#3 Toxaphene-2

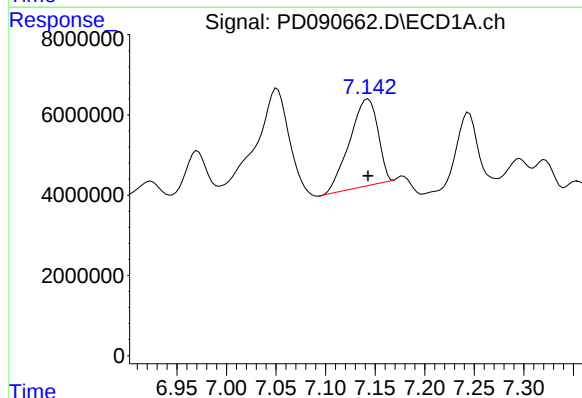
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 24310877
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



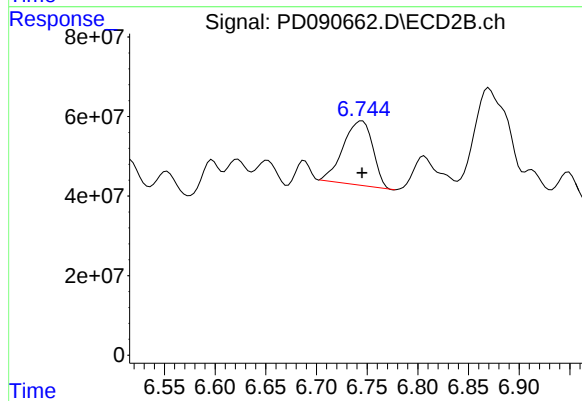
#3 Toxaphene-2

R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 88280081
Conc: 500.00 ng/ml



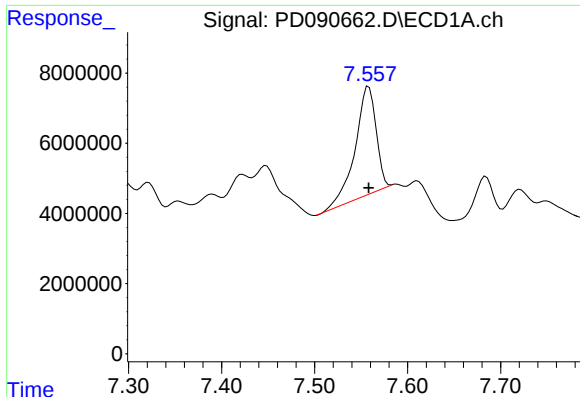
#4 Toxaphene-3

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 42855293
Conc: 500.00 ng/ml



#4 Toxaphene-3

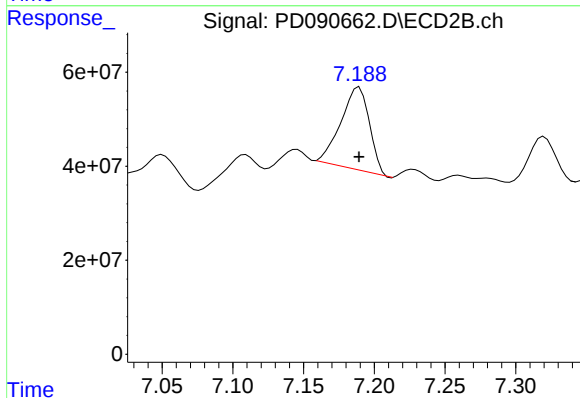
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 329441315
Conc: 500.00 ng/ml



#5 Toxaphene-4

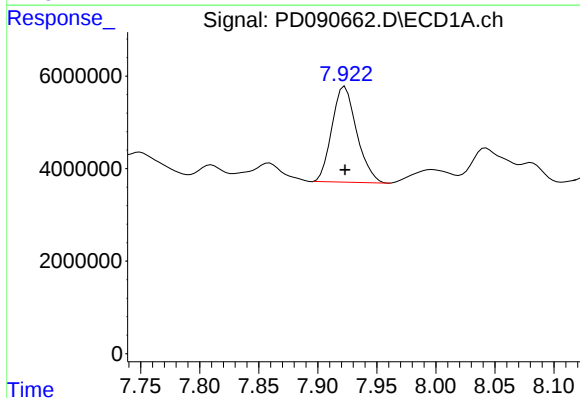
R.T.: 7.558 min
Delta R.T.: 0.000 min
Response: 47868684
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



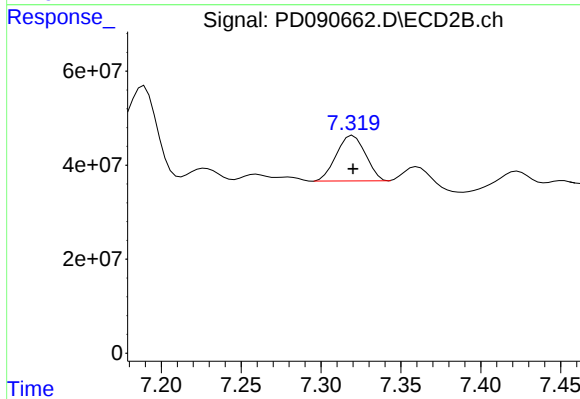
#5 Toxaphene-4

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 247552187
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 30240231
Conc: 500.00 ng/ml



#6 Toxaphene-5

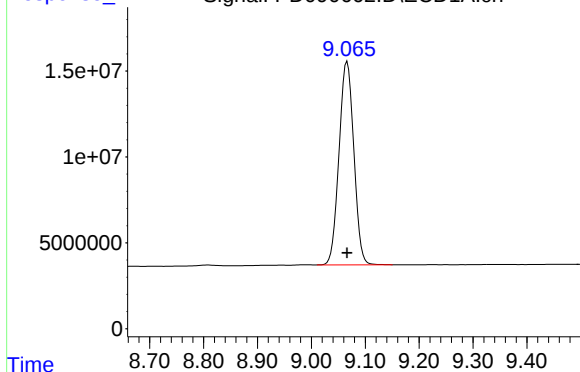
R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 123016477
Conc: 500.00 ng/ml

Response_

Signal: PD090662.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 225576698
Conc: 50.00 ng/ml

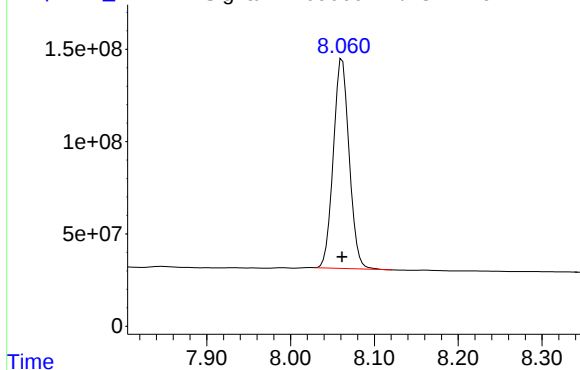
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090662.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1489074983
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090665.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 16:46
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD101725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 17:27:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	153.7E6	1464.9E6	49.347	49.195
28)	SA Decachlor...	9.065	8.062	232.3E6	1556.2E6	49.651	51.373
Target Compounds							
2)	A alpha-BHC	3.993	3.386	368.9E6	2547.7E6	51.395	49.860
3)	MA gamma-BHC...	4.325	3.722	346.1E6	2351.4E6	50.913	49.766
4)	MA Heptachlor	4.923	4.074	269.7E6	2210.7E6	48.243	49.564
5)	MB Aldrin	5.264	4.360	332.4E6	2302.8E6	50.770	49.716
6)	B beta-BHC	4.512	4.018	128.8E6	974.3E6	49.166	49.134
7)	B delta-BHC	4.760	4.255	343.7E6	2372.2E6	50.832	49.714
8)	B Heptachlo...	5.684	4.864	292.1E6	2073.7E6	50.455	48.633
9)	A Endosulfan I	6.068	5.238	276.7E6	1960.5E6	49.982	49.772
10)	B gamma-Chl...	5.940	5.117	297.4E6	2236.0E6	50.146	49.745
11)	B alpha-Chl...	6.020	5.181	299.6E6	2144.4E6	48.473	49.711
12)	B 4,4'-DDE	6.190	5.366	269.1E6	2179.5E6	50.526	49.716
13)	MA Dieldrin	6.341	5.503	295.7E6	2209.3E6	50.705	50.003
14)	MA Endrin	6.568	5.780	251.8E6	2041.8E6	50.824	50.421
15)	B Endosulfa...	6.781	6.072	251.4E6	1876.1E6	50.275	49.956
16)	A 4,4'-DDD	6.701	5.920	206.7E6	1821.0E6	50.990	49.977
17)	MA 4,4'-DDT	7.016	6.174	206.8E6	1798.7E6	50.320	51.285
18)	B Endrin al...	6.910	6.250	184.2E6	1401.3E6	50.283	50.600
19)	B Endosulfa...	7.144	6.474	231.2E6	1809.0E6	49.837	50.467
20)	A Methoxychlor	7.489	6.745	104.2E6	890.1E6	48.999	51.076
21)	B Endrin ke...	7.625	6.983	242.9E6	1911.1E6	49.982	50.668
22)	Mirex	8.108	7.176	158.1E6	1294.5E6	49.394	50.389

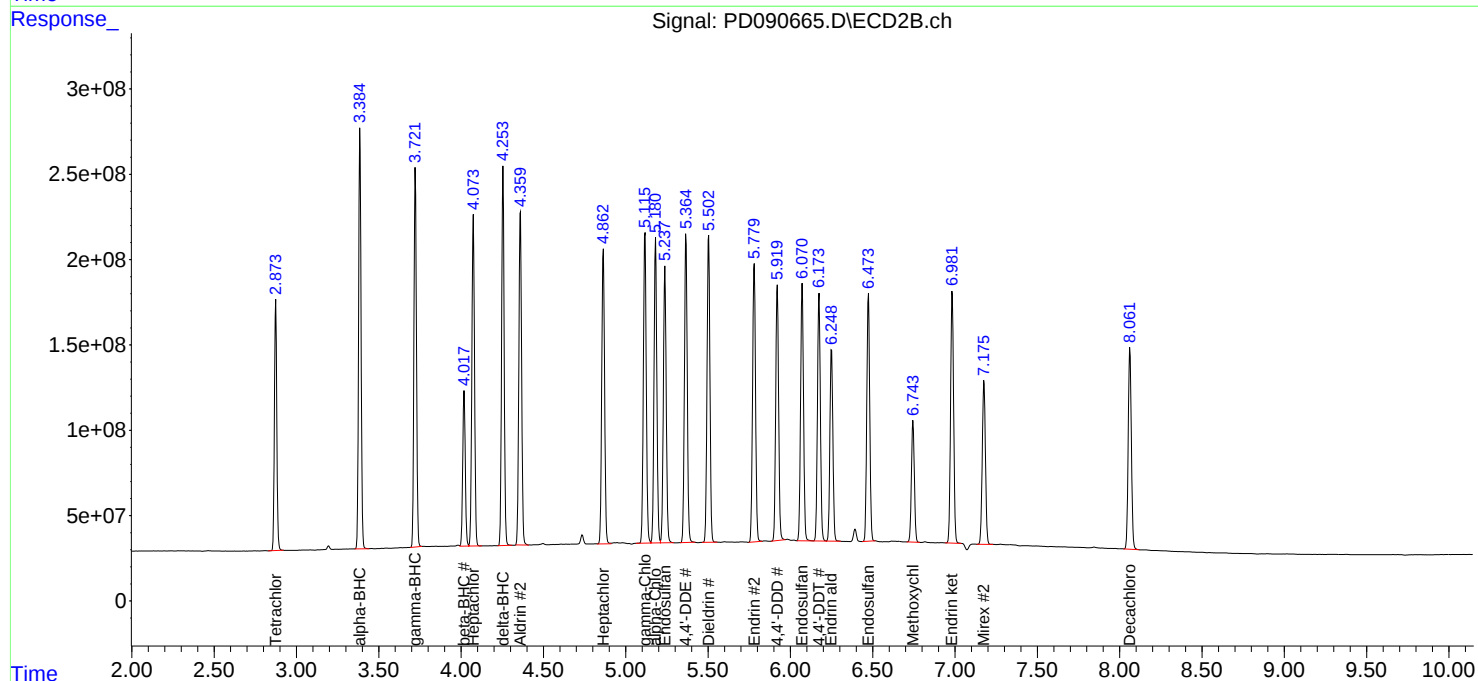
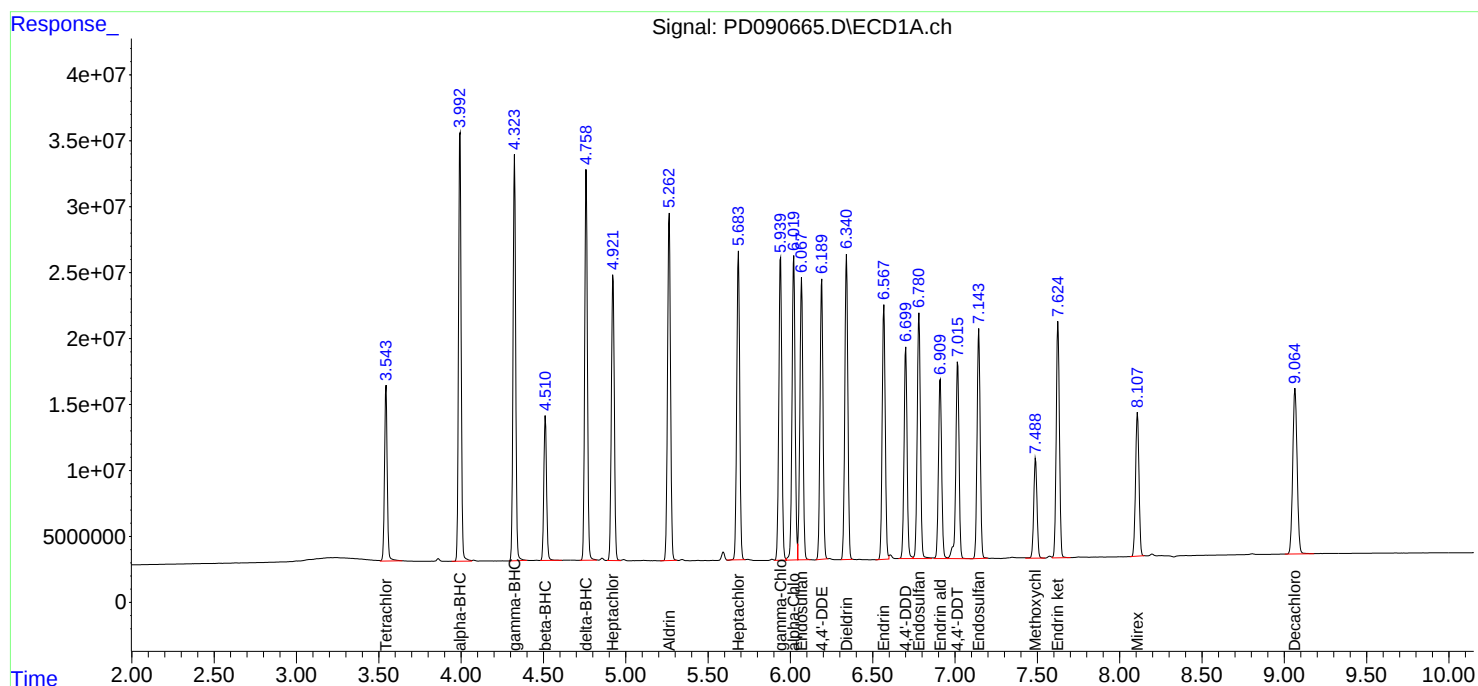
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

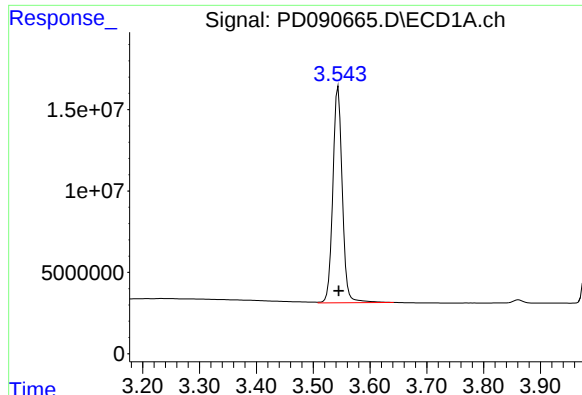
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 17:27:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

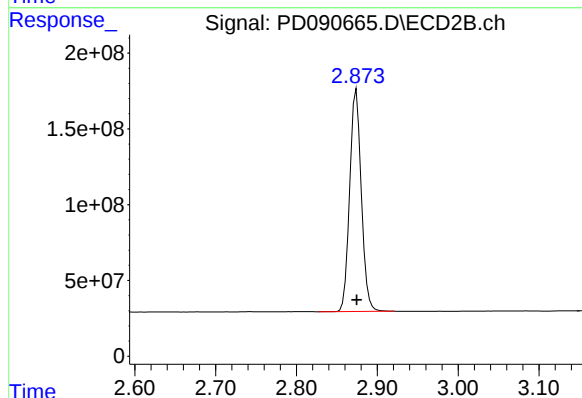




#1 Tetrachloro-m-xylene

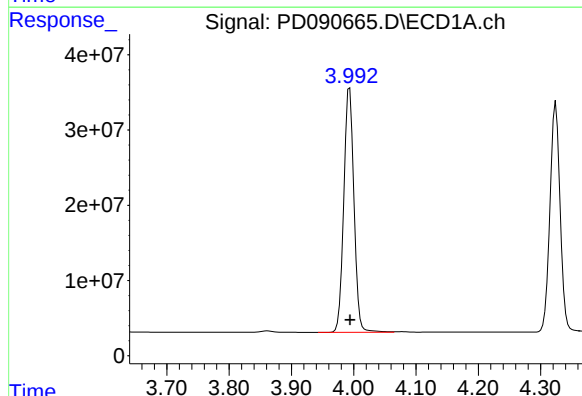
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 153674114
Conc: 49.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



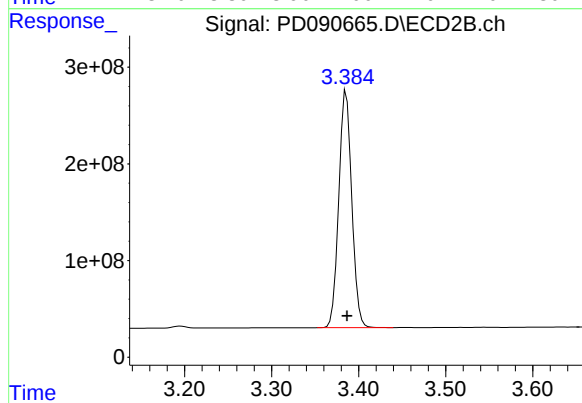
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1464875316
Conc: 49.19 ng/ml



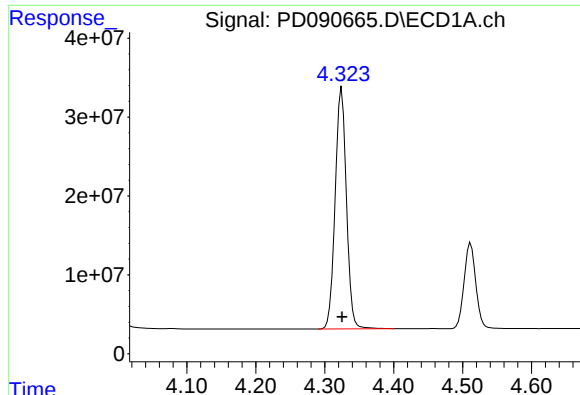
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 368866522
Conc: 51.39 ng/ml



#2 alpha-BHC

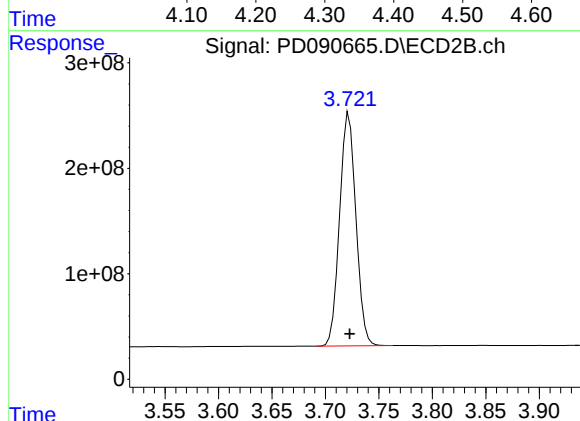
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2547652740
Conc: 49.86 ng/ml



#3 gamma-BHC (Lindane)

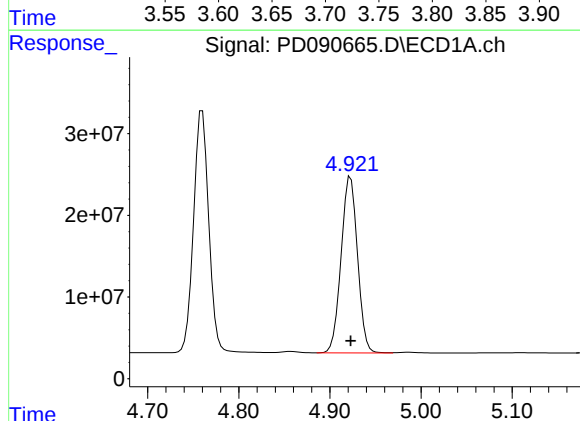
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 346148511
Conc: 50.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



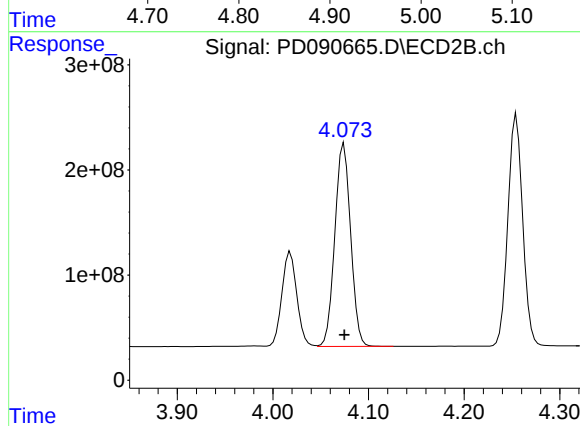
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2351401356
Conc: 49.77 ng/ml



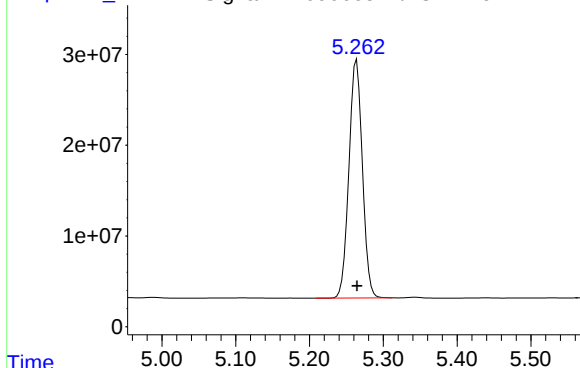
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 269655012
Conc: 48.24 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2210699675
Conc: 49.56 ng/ml



R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 332404308
Conc: 50.77 ng/ml

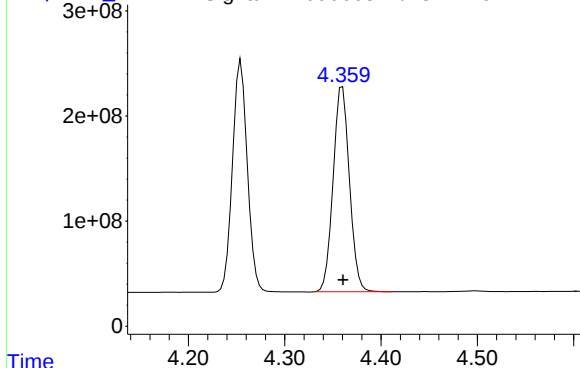
Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



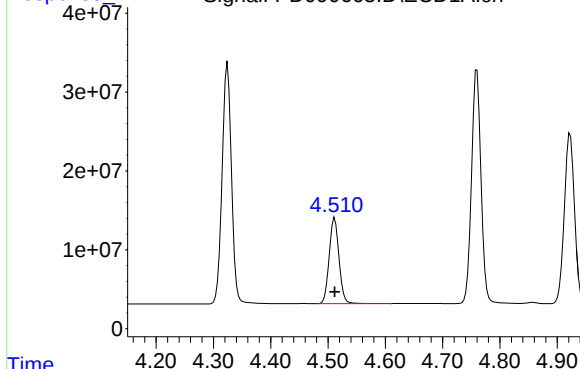
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2302805919
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



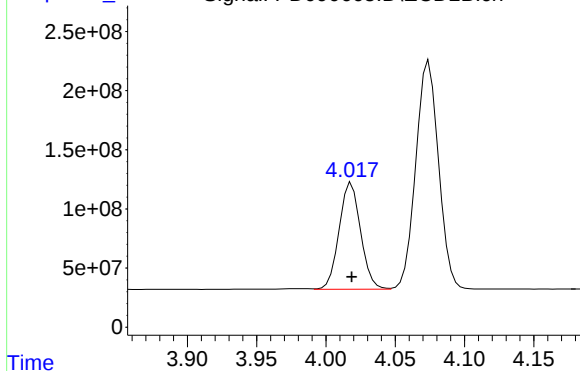
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128796459
Conc: 49.17 ng/ml

Time

Response

Signal: PD090665.D\ECD2B.ch

#6 beta-BHC



R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 974305644
Conc: 49.13 ng/ml

Time

Response_ Signal: PD090665.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 343712775
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response_ Signal: PD090665.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2372178334
Conc: 49.71 ng/ml

Time

Response_ Signal: PD090665.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 292086915
Conc: 50.45 ng/ml

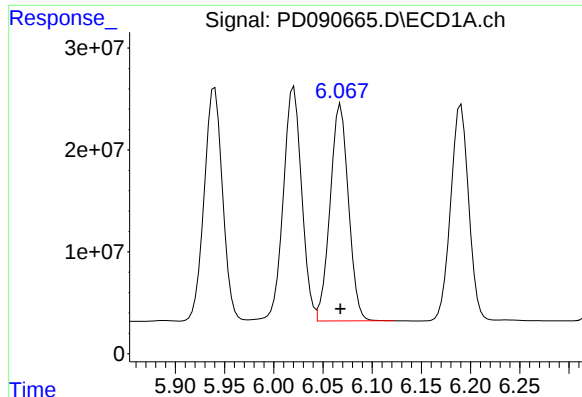
Time

Response_ Signal: PD090665.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2073663307
Conc: 48.63 ng/ml

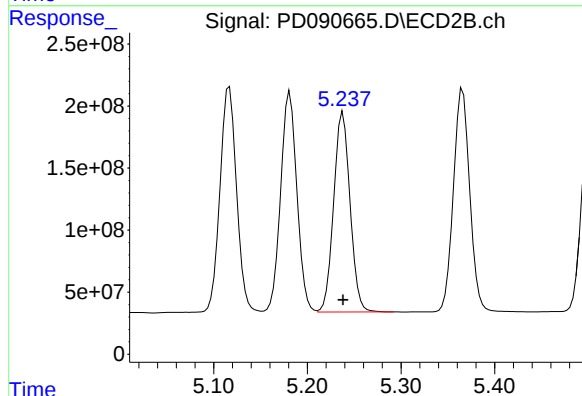
Time



#9 Endosulfan I

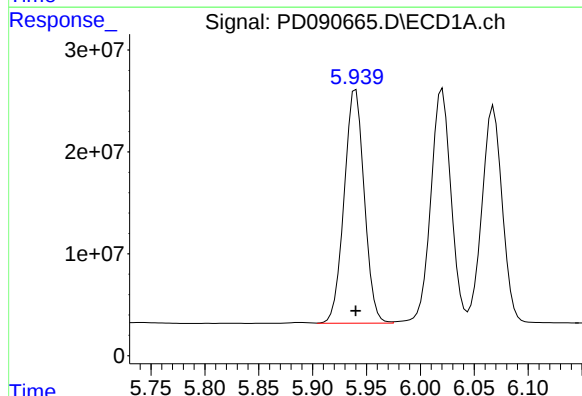
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 276731064
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



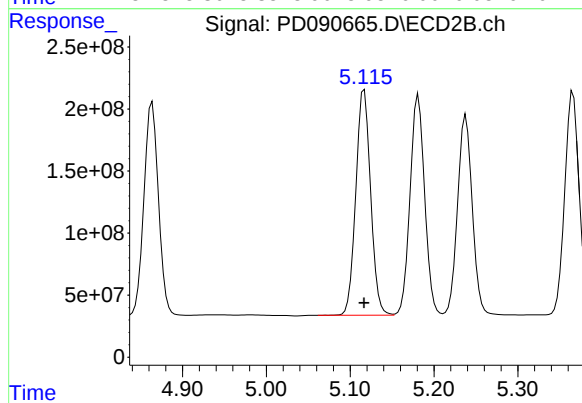
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1960516174
Conc: 49.77 ng/ml



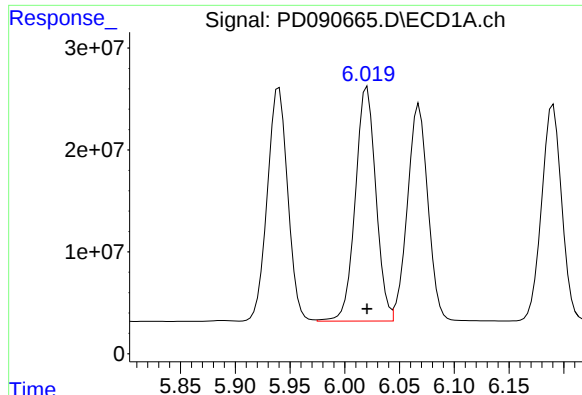
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 297423108
Conc: 50.15 ng/ml



#10 gamma-Chlordane

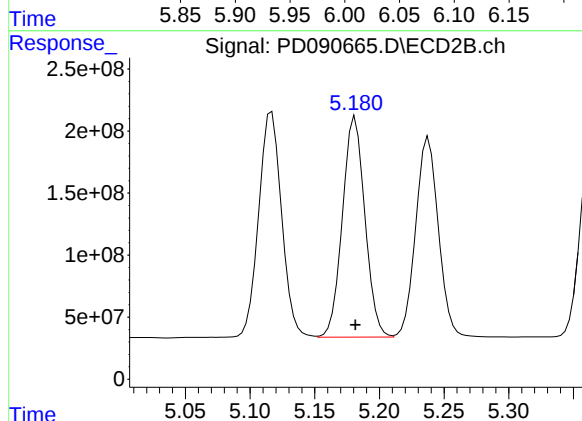
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2235964406
Conc: 49.74 ng/ml



#11 alpha-Chlordane

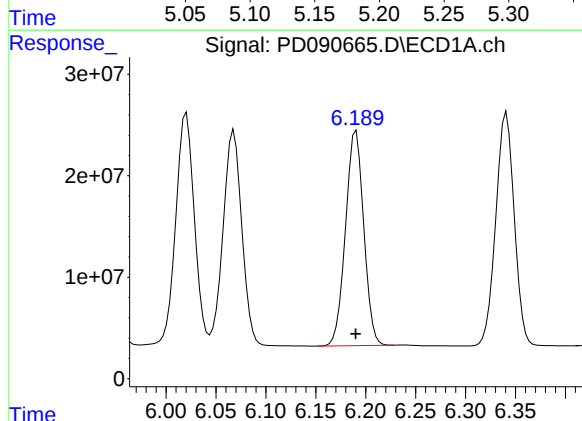
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 299573543
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



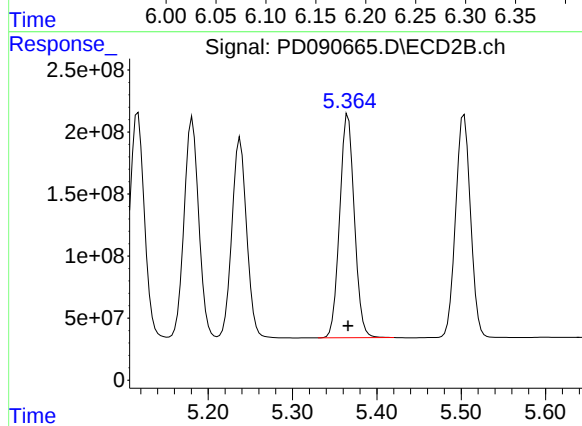
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2144431564
Conc: 49.71 ng/ml



#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 269131461
Conc: 50.53 ng/ml



#12 4,4'-DDE

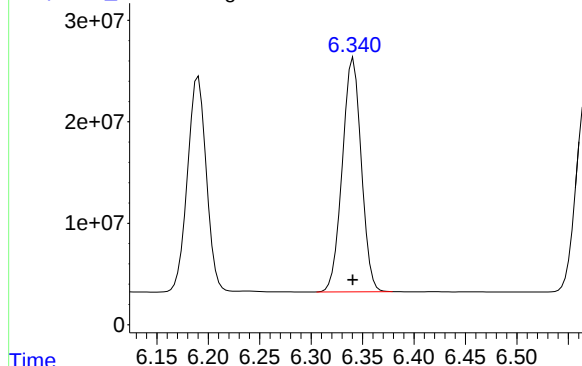
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2179474893
Conc: 49.72 ng/ml

Response_ Signal: PD090665.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 295678653
Conc: 50.71 ng/ml

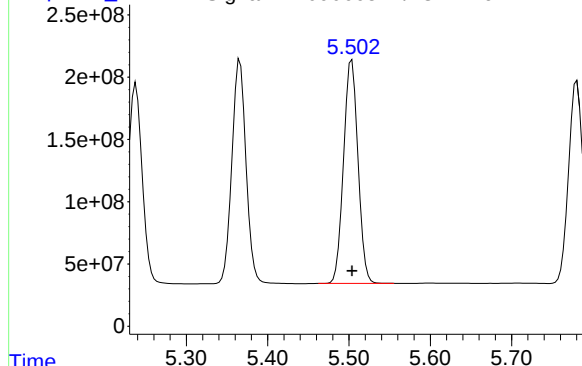
Instrument :
ECD_D
ClientSampleId :
ICVPD101725



Time Response_ Signal: PD090665.D\ECD2B.ch

#13 Dieldrin

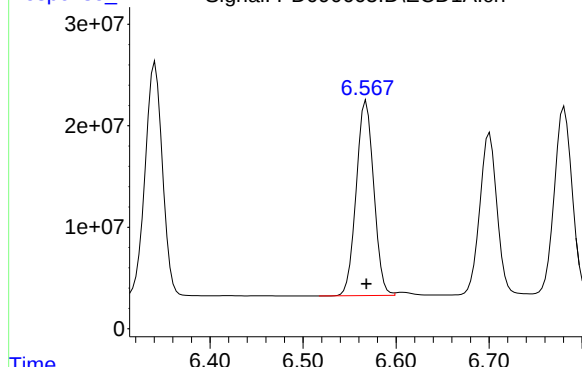
R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2209322407
Conc: 50.00 ng/ml



Time Response_ Signal: PD090665.D\ECD1A.ch

#14 Endrin

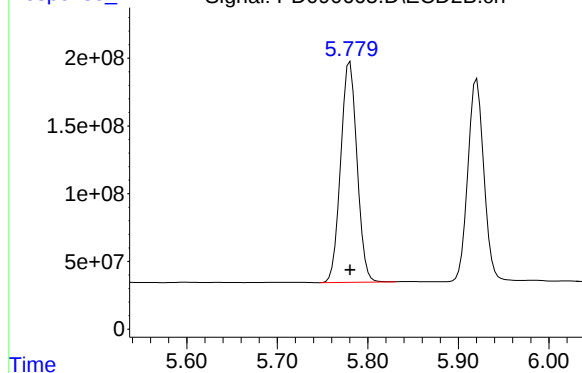
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 251765100
Conc: 50.82 ng/ml

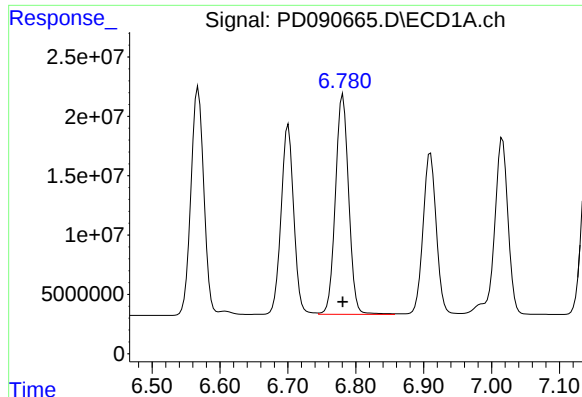


Time Response_ Signal: PD090665.D\ECD2B.ch

#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2041761986
Conc: 50.42 ng/ml

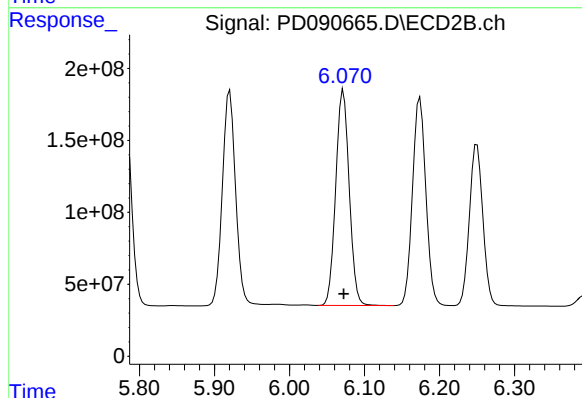




#15 Endosulfan II

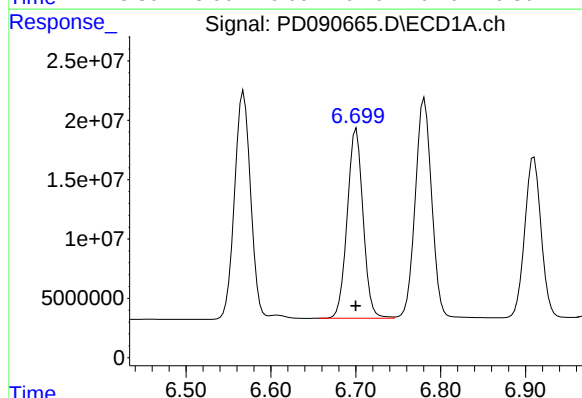
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 251374054
Conc: 50.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



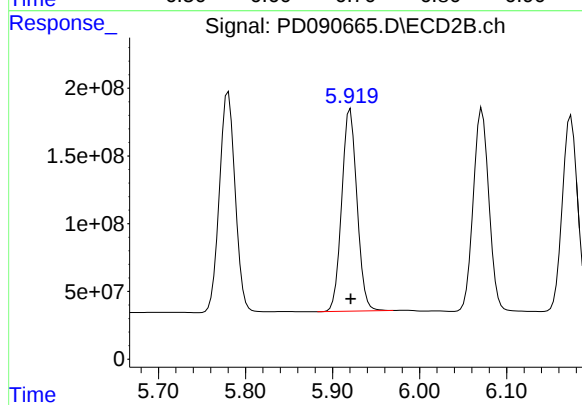
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1876116999
Conc: 49.96 ng/ml



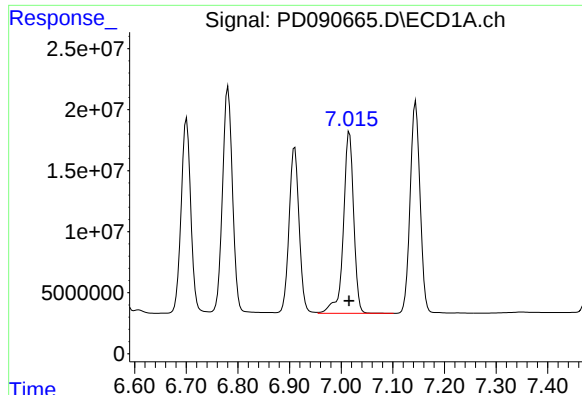
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 206725943
Conc: 50.99 ng/ml



#16 4,4'-DDD

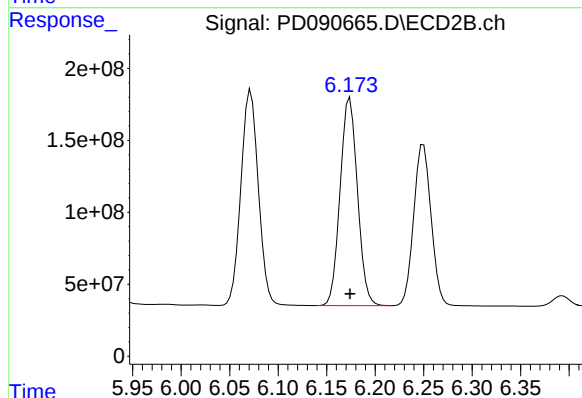
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1821049286
Conc: 49.98 ng/ml



#17 4,4'-DDT

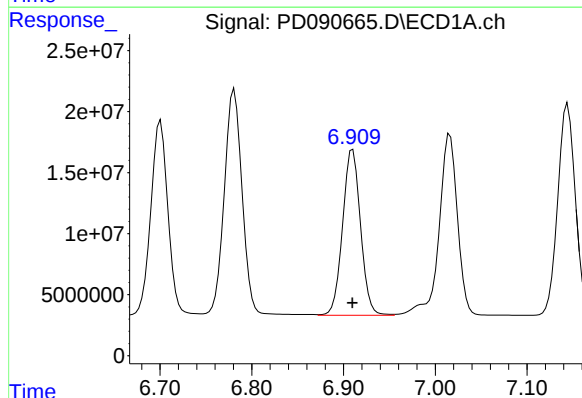
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206839113
Conc: 50.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



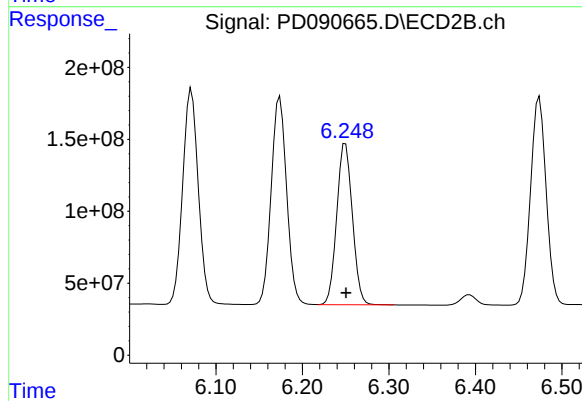
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1798730996
Conc: 51.29 ng/ml



#18 Endrin aldehyde

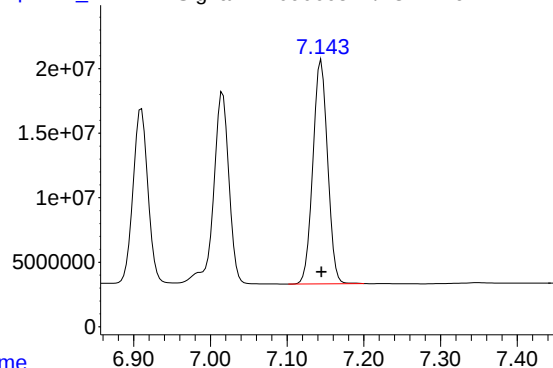
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 184171641
Conc: 50.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1401255725
Conc: 50.60 ng/ml

Response_ Signal: PD090665.D\ECD1A.ch

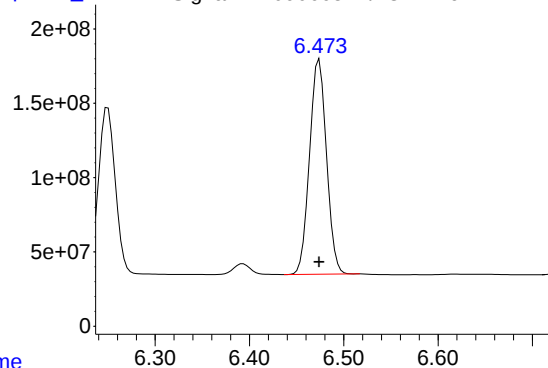


#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 231154352
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

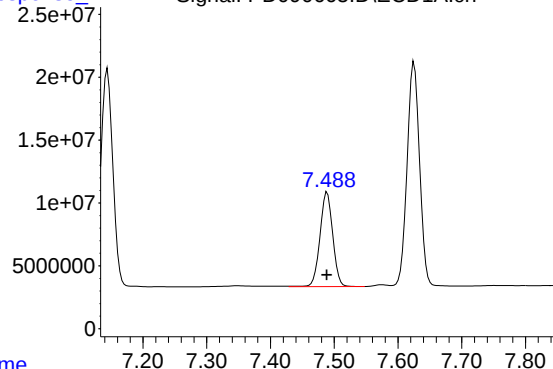
Time Response_ Signal: PD090665.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1808994693
Conc: 50.47 ng/ml

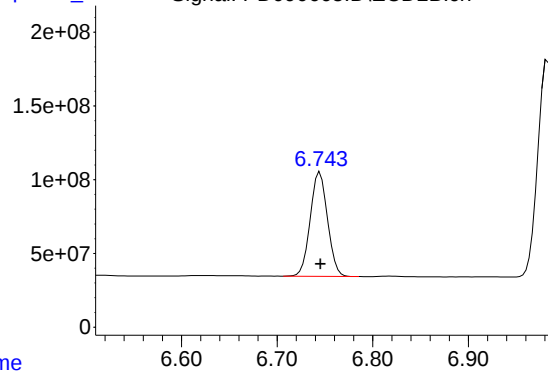
Time Response_ Signal: PD090665.D\ECD1A.ch



#20 Methoxychlor

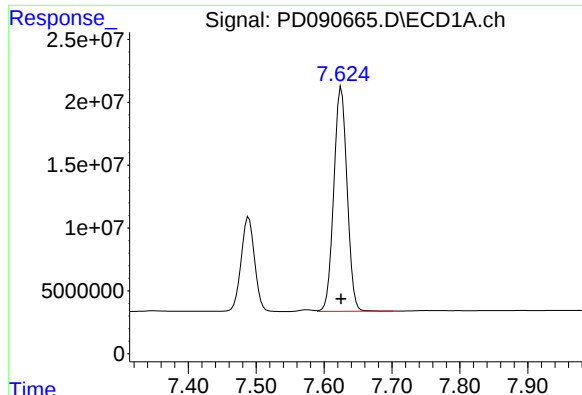
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 104150715
Conc: 49.00 ng/ml

Time Response_ Signal: PD090665.D\ECD2B.ch



#20 Methoxychlor

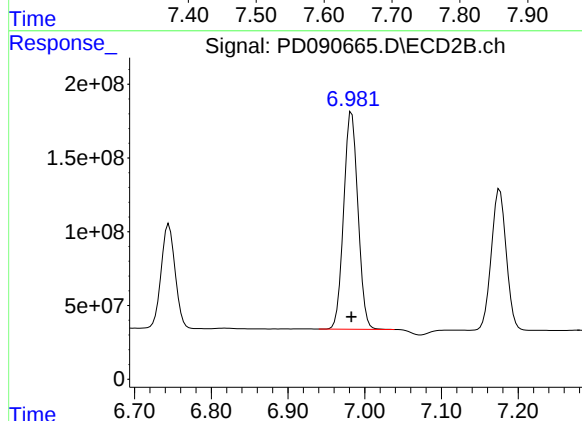
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 890144630
Conc: 51.08 ng/ml



#21 Endrin ketone

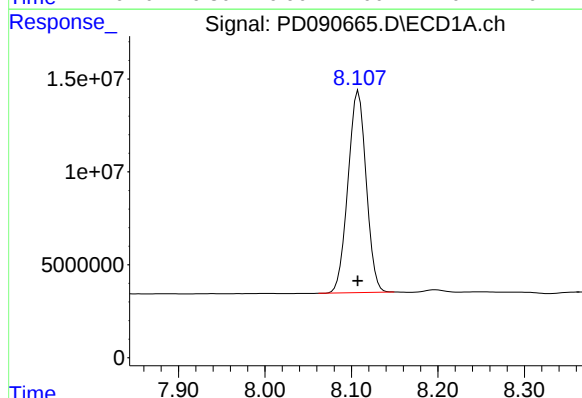
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242853020
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



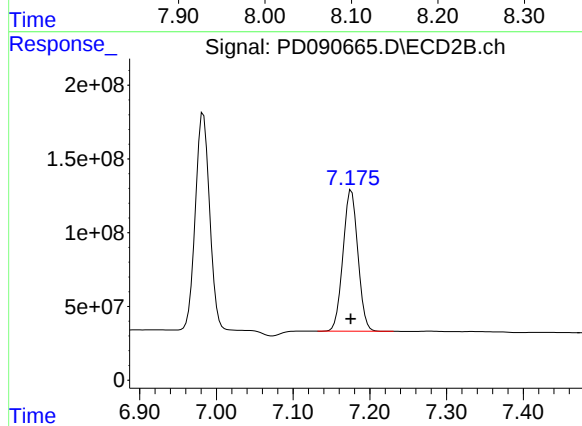
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1911076638
Conc: 50.67 ng/ml



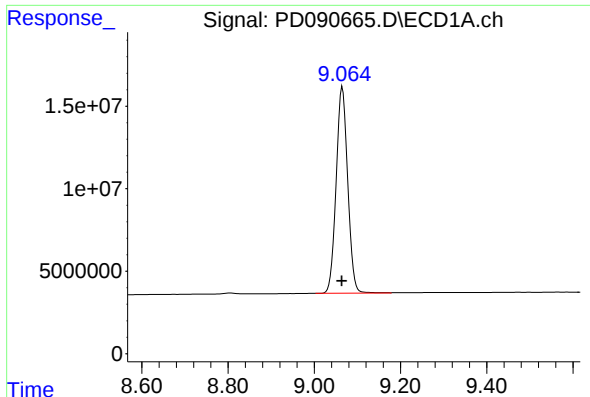
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 158102045
Conc: 49.39 ng/ml



#22 Mirex

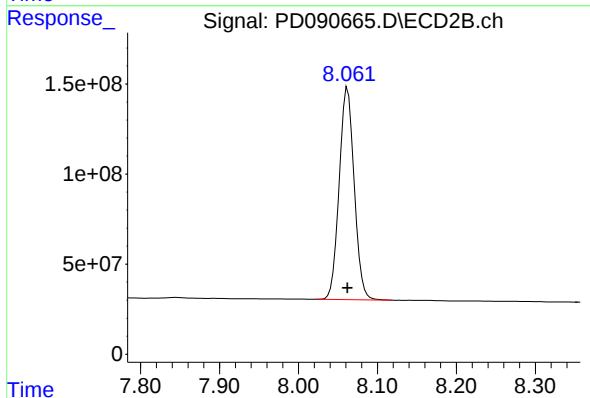
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1294533618
Conc: 50.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 232264787
Conc: 49.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1556154030
Conc: 51.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025
Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	51.850	50.000	3.7
4,4'-DDE	6.189	6.090	6.290	48.380	50.000	-3.2
4,4'-DDT	7.015	6.915	7.115	50.550	50.000	1.1
Aldrin	5.264	5.164	5.364	48.990	50.000	-2.0
alpha-BHC	3.993	3.894	4.094	48.830	50.000	-2.3
alpha-Chlordane	6.020	5.921	6.121	47.100	50.000	-5.8
beta-BHC	4.511	4.412	4.612	47.710	50.000	-4.6
Decachlorobiphenyl	9.065	8.964	9.164	46.870	50.000	-6.3
delta-BHC	4.760	4.660	4.860	49.110	50.000	-1.8
Dieldrin	6.340	6.240	6.440	53.750	50.000	7.5
Endosulfan I	6.067	5.968	6.168	48.890	50.000	-2.2
Endosulfan II	6.780	6.681	6.881	48.920	50.000	-2.2
Endosulfan sulfate	7.144	7.045	7.245	48.770	50.000	-2.5
Endrin	6.568	6.468	6.668	48.250	50.000	-3.5
Endrin aldehyde	6.909	6.810	7.010	49.870	50.000	-0.3
Endrin ketone	7.625	7.525	7.725	50.350	50.000	0.7
gamma-BHC (Lindane)	4.324	4.225	4.425	48.700	50.000	-2.6
gamma-Chlordane	5.939	5.840	6.040	48.760	50.000	-2.5
Heptachlor	4.922	4.823	5.023	57.680	50.000	15.4
Heptachlor epoxide	5.684	5.584	5.784	49.070	50.000	-1.9
Methoxychlor	7.489	7.388	7.588	49.740	50.000	-0.5
Tetrachloro-m-xylene	3.544	3.445	3.645	46.980	50.000	-6.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	52.340	50.000	4.7
4,4'-DDE	5.365	5.266	5.466	50.620	50.000	1.2
4,4'-DDT	6.173	6.074	6.274	52.390	50.000	4.8
Aldrin	4.359	4.261	4.461	49.350	50.000	-1.3
alpha-BHC	3.385	3.287	3.487	49.170	50.000	-1.7
alpha-Chlordane	5.180	5.081	5.281	50.430	50.000	0.9
beta-BHC	4.018	3.919	4.119	49.080	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	56.190	50.000	12.4
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.502	5.404	5.604	50.350	50.000	0.7
Endosulfan I	5.237	5.138	5.338	49.460	50.000	-1.1
Endosulfan II	6.071	5.972	6.172	51.700	50.000	3.4
Endosulfan sulfate	6.473	6.374	6.574	52.060	50.000	4.1
Endrin	5.779	5.681	5.881	50.000	50.000	0.0
Endrin aldehyde	6.249	6.150	6.350	52.230	50.000	4.5
Endrin ketone	6.982	6.883	7.083	54.530	50.000	9.1
gamma-BHC (Lindane)	3.722	3.623	3.823	50.900	50.000	1.8
gamma-Chlordane	5.116	5.017	5.217	50.990	50.000	2.0
Heptachlor	4.074	3.975	4.175	50.550	50.000	1.1
Heptachlor epoxide	4.863	4.764	4.964	49.090	50.000	-1.8
Methoxychlor	6.743	6.645	6.845	52.100	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	48.790	50.000	-2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090777.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 09:51
 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: Oct 24 06:12:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	146.3E6	1452.9E6	46.978	48.793
28)	SA Decachlor...	9.065	8.060	219.2E6	1702.1E6	46.867	56.190
Target Compounds							
2)	A alpha-BHC	3.993	3.385	350.5E6	2512.6E6	48.833	49.175
3)	MA gamma-BHC...	4.324	3.722	331.1E6	2404.8E6	48.696	50.896
4)	MA Heptachlor	4.922	4.074	322.4E6	2254.9E6	57.678	50.555
5)	MB Aldrin	5.264	4.359	320.7E6	2285.6E6	48.989	49.345
6)	B beta-BHC	4.511	4.018	125.0E6	973.3E6	47.705	49.085
7)	B delta-BHC	4.760	4.254	332.1E6	2384.8E6	49.115	49.979
8)	B Heptachlo...	5.684	4.863	284.1E6	2093.1E6	49.067	49.090
9)	A Endosulfan I	6.067	5.237	270.7E6	1948.2E6	48.888	49.458
10)	B gamma-Chl...	5.939	5.116	289.2E6	2291.8E6	48.757	50.986
11)	B alpha-Chl...	6.020	5.180	291.1E6	2175.6E6	47.103	50.434
12)	B 4,4'-DDE	6.189	5.365	257.7E6	2219.0E6	48.377	50.618
13)	MA Dieldrin	6.340	5.502	313.4E6	2224.6E6	53.748	50.349
14)	MA Endrin	6.568	5.779	239.0E6	2024.8E6	48.254	50.003
15)	B Endosulfa...	6.780	6.071	244.6E6	1941.7E6	48.924	51.703
16)	A 4,4'-DDD	6.700	5.919	210.2E6	1907.1E6	51.854	52.339
17)	MA 4,4'-DDT	7.015	6.173	207.8E6	1837.5E6	50.549	52.391
18)	B Endrin al...	6.909	6.249	182.7E6	1446.3E6	49.871	52.227
19)	B Endosulfa...	7.144	6.473	226.2E6	1865.9E6	48.767	52.056
20)	A Methoxychlor	7.489	6.743	105.7E6	907.9E6	49.743	52.098
21)	B Endrin ke...	7.625	6.982	244.7E6	2056.8E6	50.353	54.530
22)	Mirex	8.107	7.174	157.6E6	1380.4E6	49.248	53.730

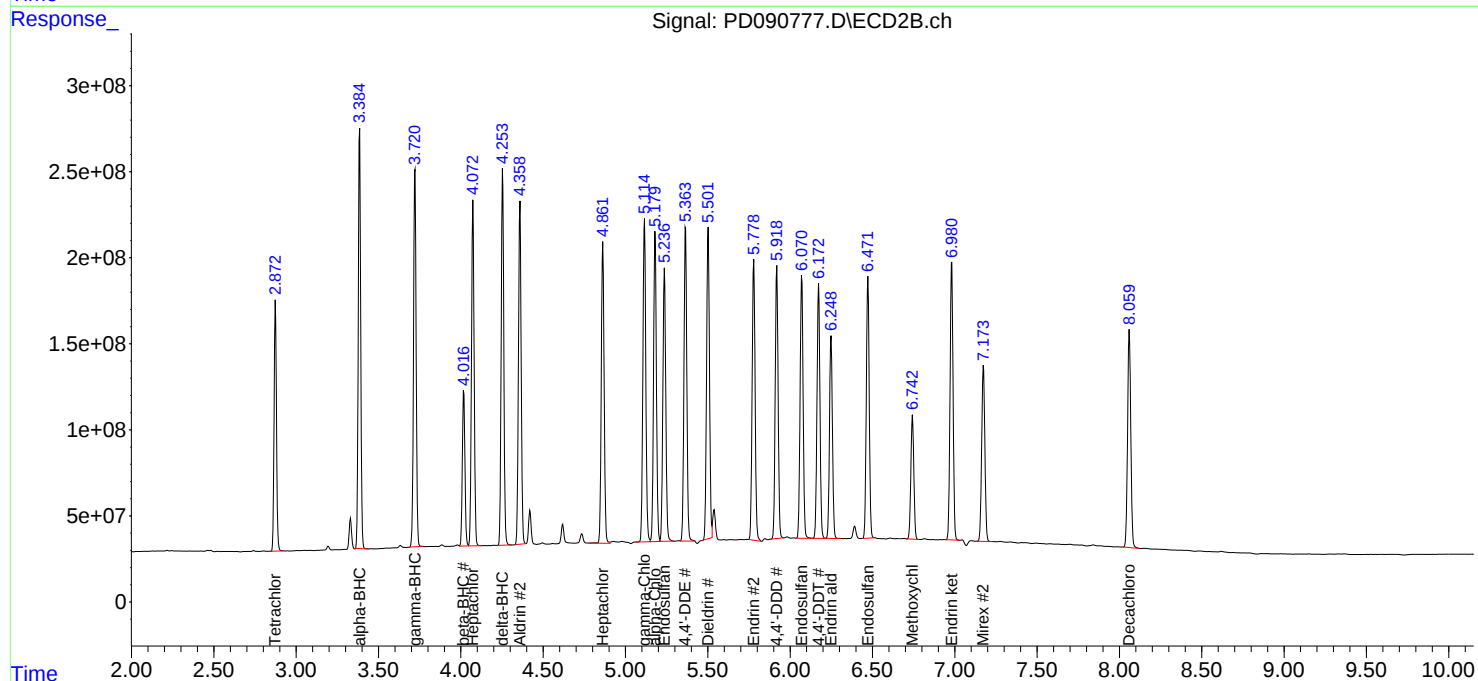
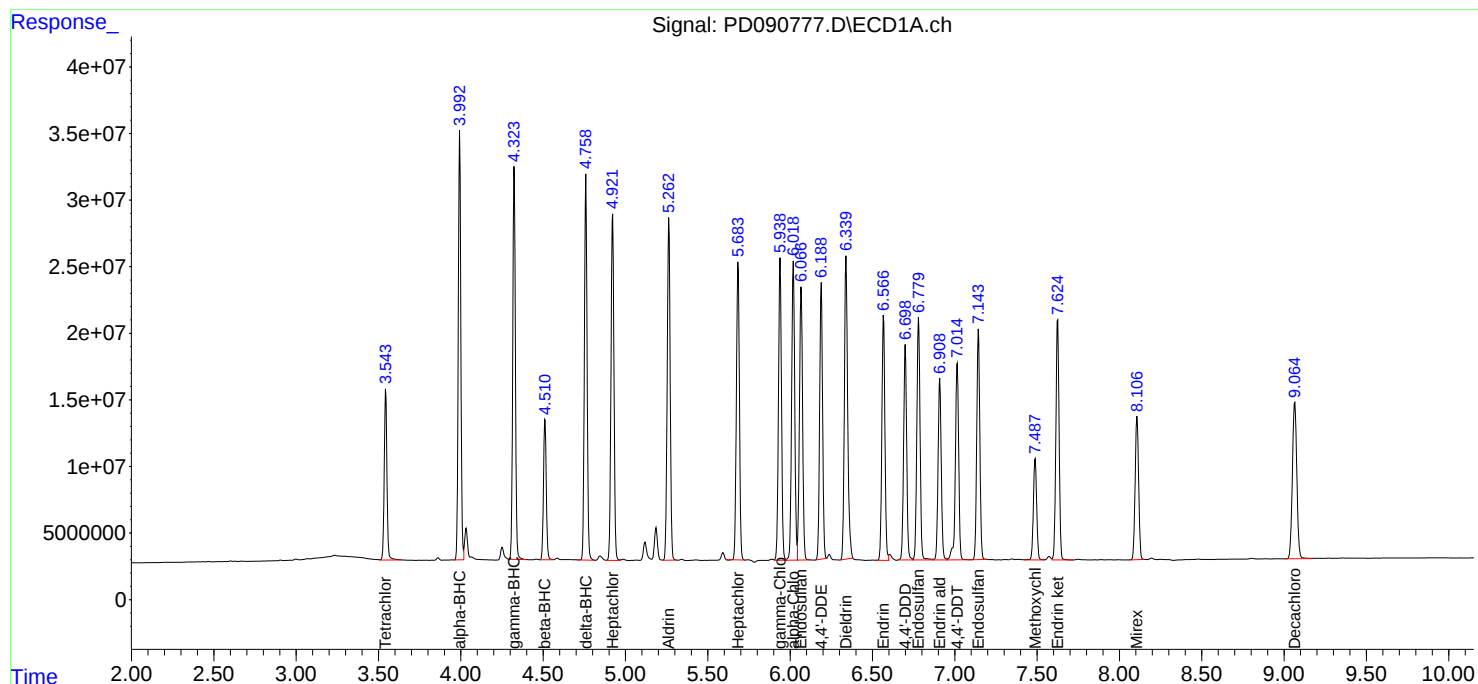
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090777.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:51
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: Oct 24 06:12:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090777.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 146297326
Conc: 46.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_ Signal: PD090777.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1452926859
Conc: 48.79 ng/ml

Time

Response_ Signal: PD090777.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 350478761
Conc: 48.83 ng/ml

Time

Response_ Signal: PD090777.D\ECD2B.ch

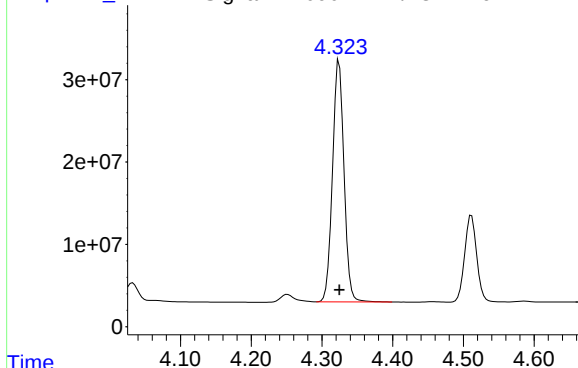
#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2512630991
Conc: 49.17 ng/ml

Time

Response_ Signal: PD090777.D\ECD1A.ch

#3 gamma-BHC (Lindane)

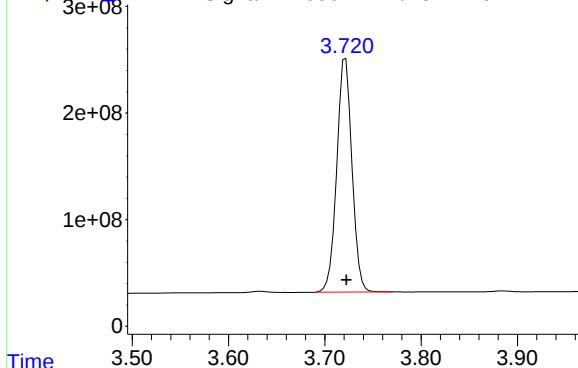


R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 331077632
Conc: 48.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time Response Signal: PD090777.D\ECD2B.ch

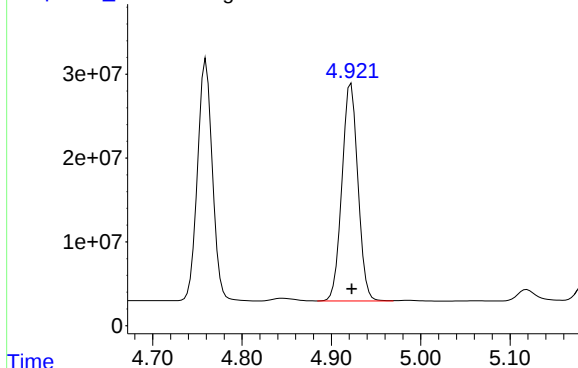
#3 gamma-BHC (Lindane)



R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2404779439
Conc: 50.90 ng/ml

Time Response_ Signal: PD090777.D\ECD1A.ch

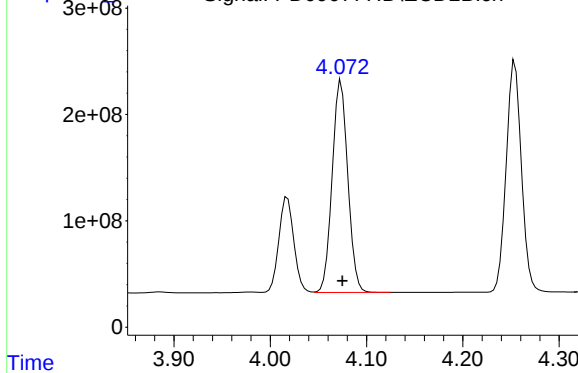
#4 Heptachlor



R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 322394440
Conc: 57.68 ng/ml

Time Response Signal: PD090777.D\ECD2B.ch

#4 Heptachlor



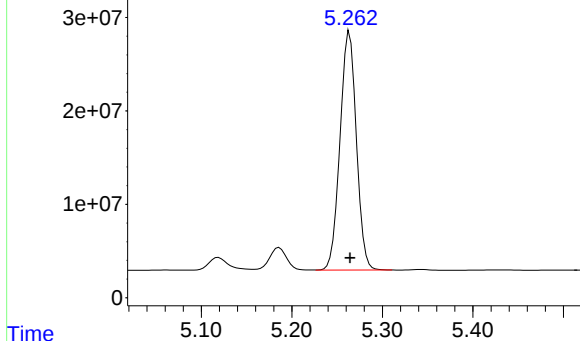
R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2254880699
Conc: 50.55 ng/ml

Response_ Signal: PD090777.D\ECD1A.ch

#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 320744754
Conc: 48.99 ng/ml

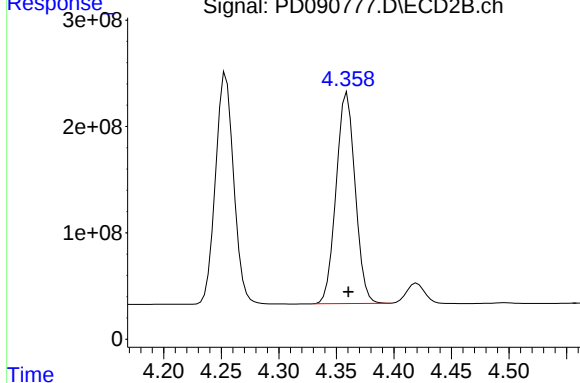
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Time Response_ Signal: PD090777.D\ECD2B.ch

#5 Aldrin

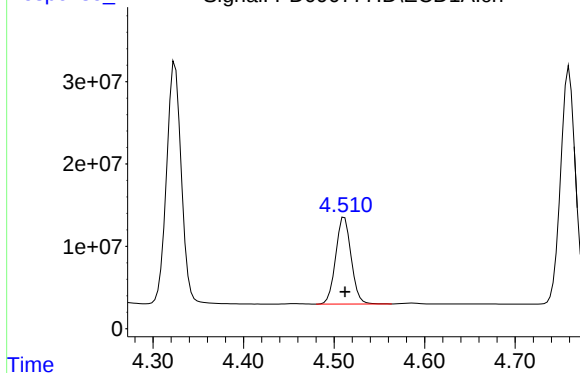
R.T.: 4.359 min
Delta R.T.: -0.001 min
Response: 2285608431
Conc: 49.35 ng/ml



Time Response_ Signal: PD090777.D\ECD1A.ch

#6 beta-BHC

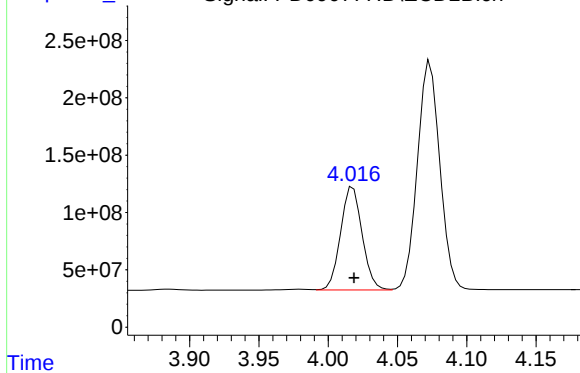
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 124969536
Conc: 47.71 ng/ml



Time Response_ Signal: PD090777.D\ECD2B.ch

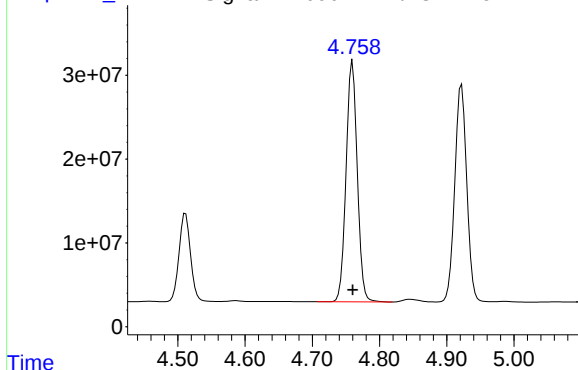
#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 973332572
Conc: 49.08 ng/ml



Response_ Signal: PD090777.D\ECD1A.ch

#7 delta-BHC

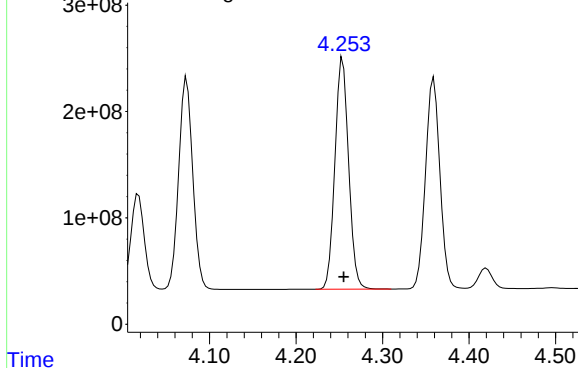


R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 332101981
Conc: 49.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time Response_ Signal: PD090777.D\ECD2B.ch

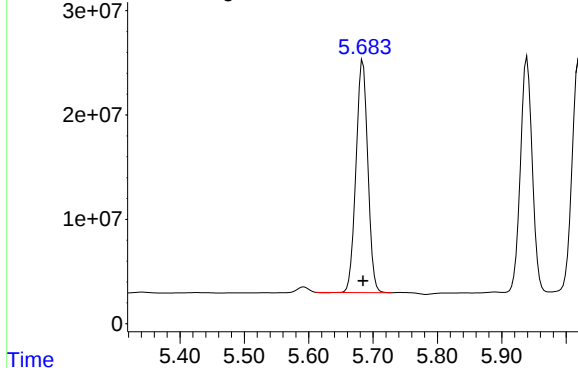
#7 delta-BHC



R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2384829412
Conc: 49.98 ng/ml

Time Response_ Signal: PD090777.D\ECD1A.ch

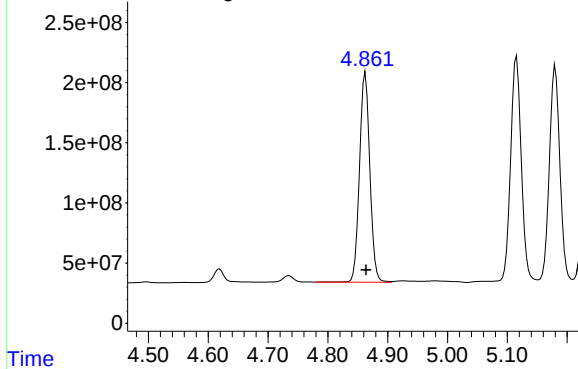
#8 Heptachlor epoxide



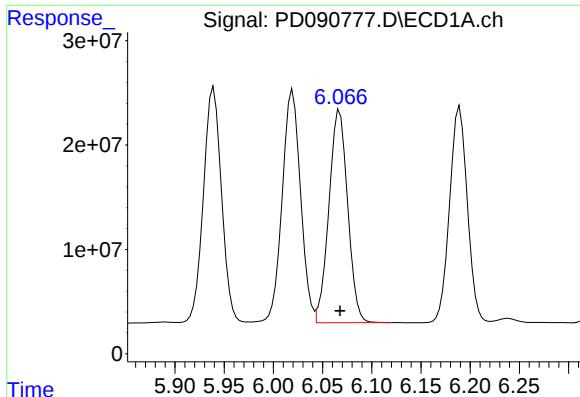
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 284053551
Conc: 49.07 ng/ml

Time Response_ Signal: PD090777.D\ECD2B.ch

#8 Heptachlor epoxide



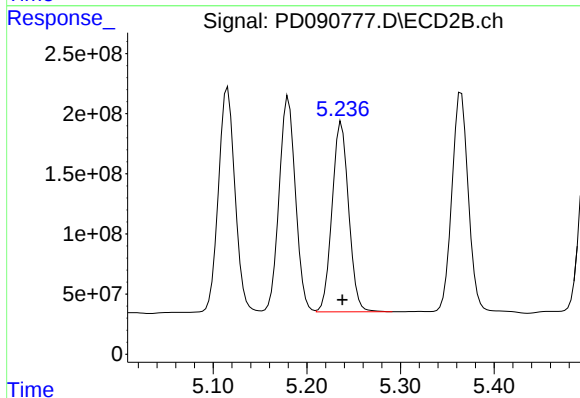
R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 2093127019
Conc: 49.09 ng/ml



#9 Endosulfan I

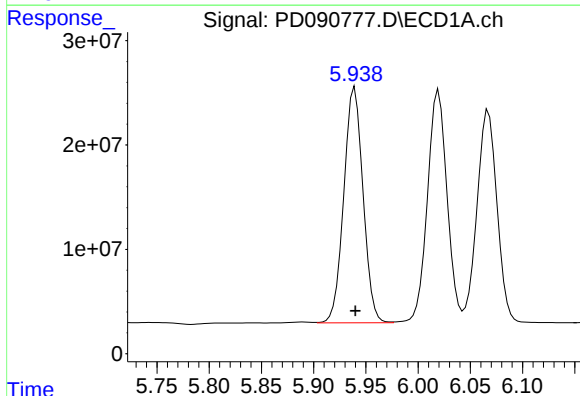
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 270676343
Conc: 48.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



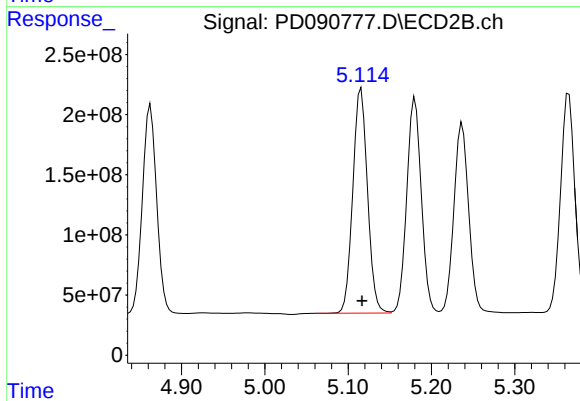
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1948170165
Conc: 49.46 ng/ml



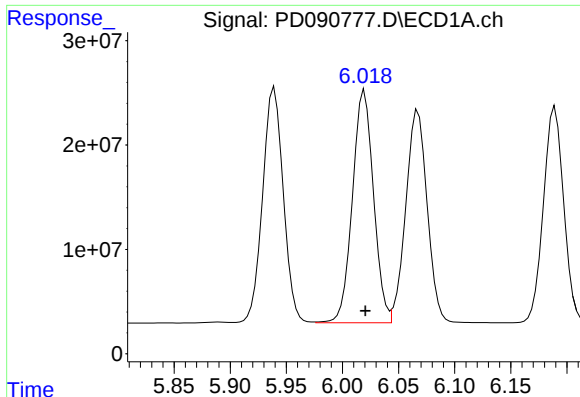
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 289188913
Conc: 48.76 ng/ml



#10 gamma-Chlordane

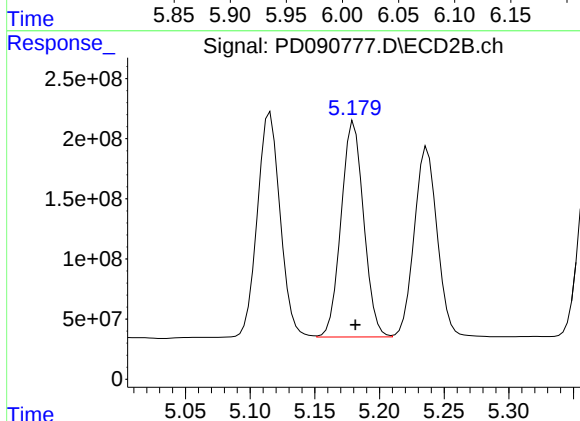
R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 2291760095
Conc: 50.99 ng/ml



#11 alpha-Chlordane

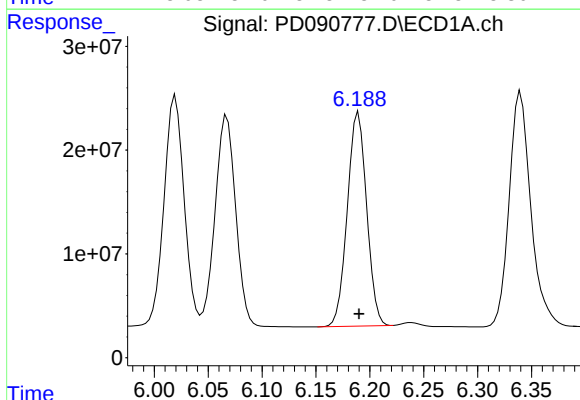
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 291107579
Conc: 47.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



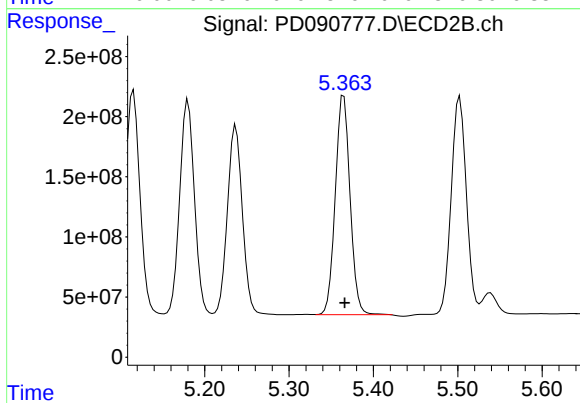
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 2175620067
Conc: 50.43 ng/ml



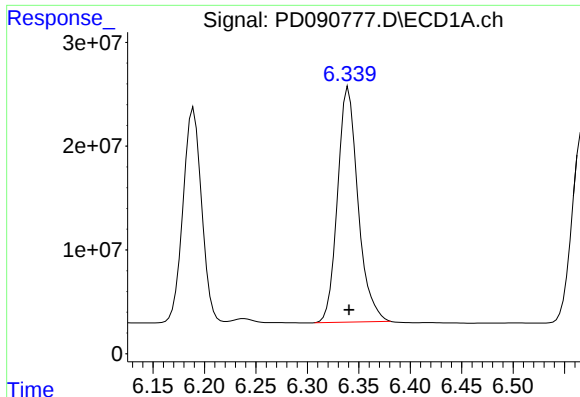
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 257688134
Conc: 48.38 ng/ml



#12 4,4'-DDE

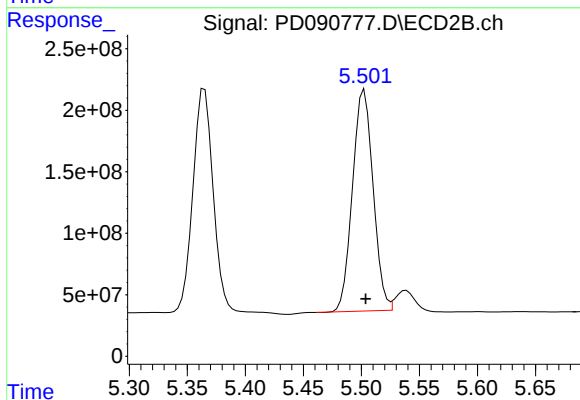
R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 2219002157
Conc: 50.62 ng/ml



#13 Dieldrin

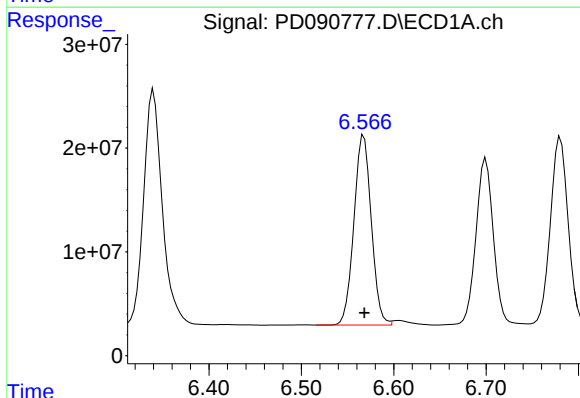
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 313425264
Conc: 53.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



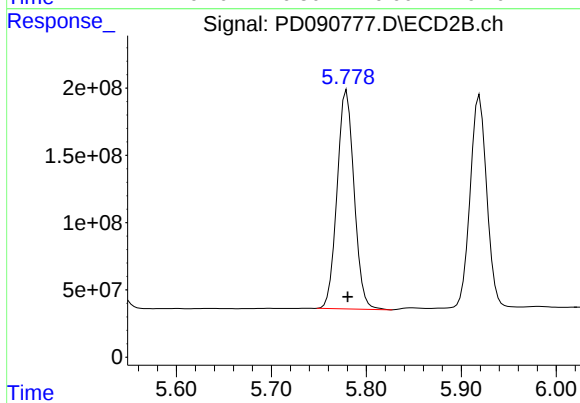
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.001 min
Response: 2224615417
Conc: 50.35 ng/ml



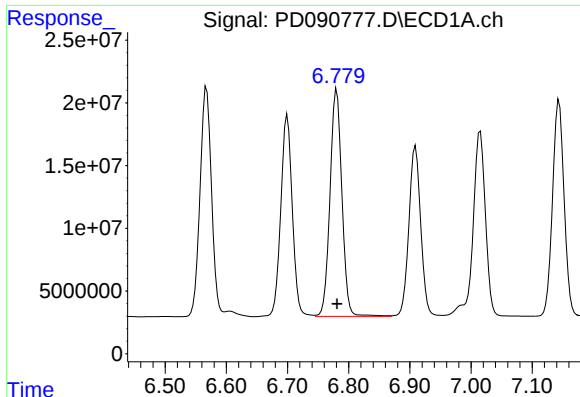
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 239037714
Conc: 48.25 ng/ml



#14 Endrin

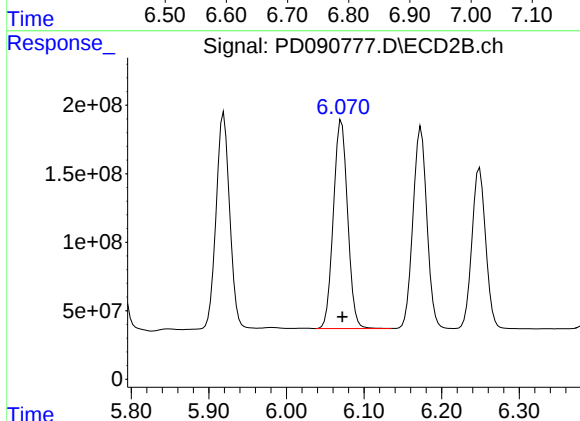
R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2024799496
Conc: 50.00 ng/ml



#15 Endosulfan II

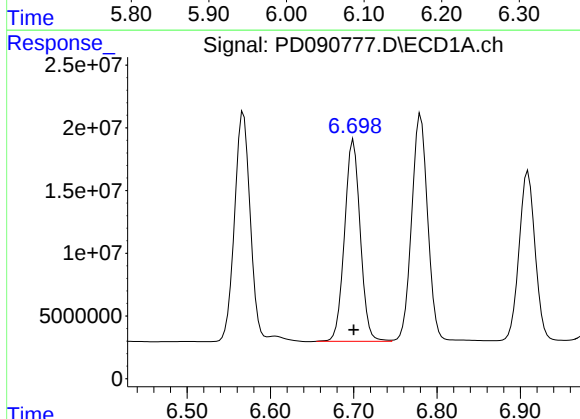
R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 244618268
Conc: 48.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



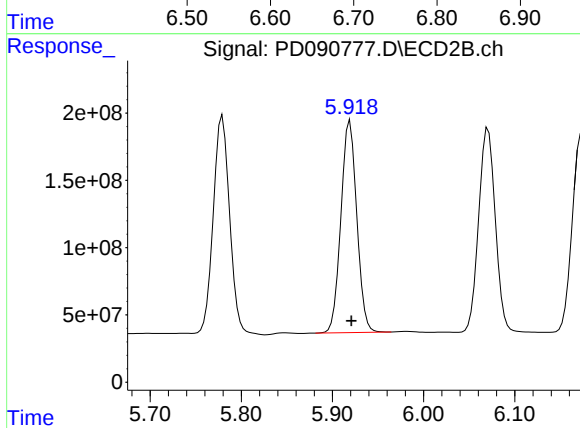
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1941735274
Conc: 51.70 ng/ml



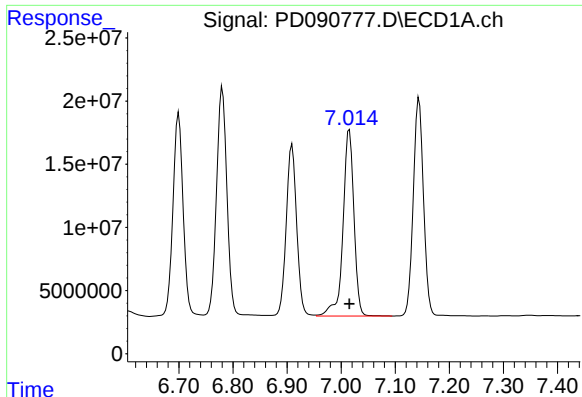
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 210226189
Conc: 51.85 ng/ml



#16 4,4'-DDD

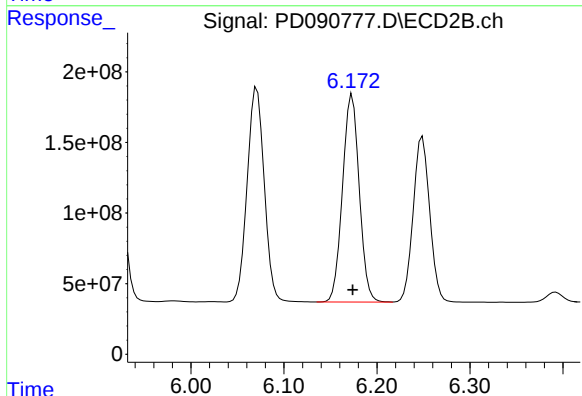
R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1907137566
Conc: 52.34 ng/ml



#17 4,4'-DDT

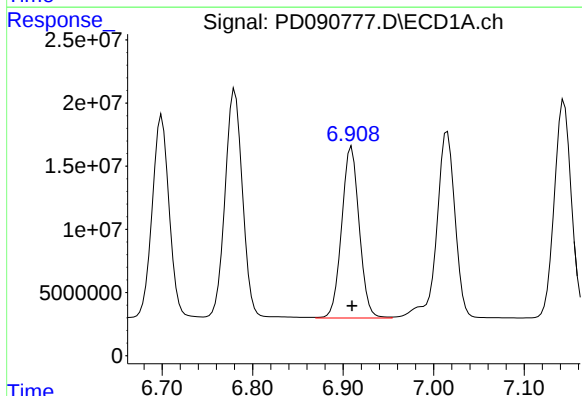
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 207782053
Conc: 50.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



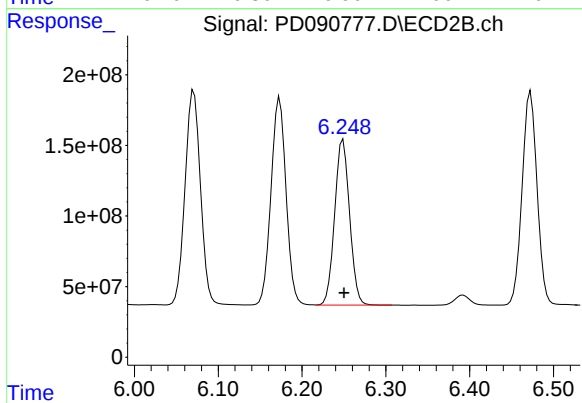
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1837527890
Conc: 52.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 182662810
Conc: 49.87 ng/ml



#18 Endrin aldehyde

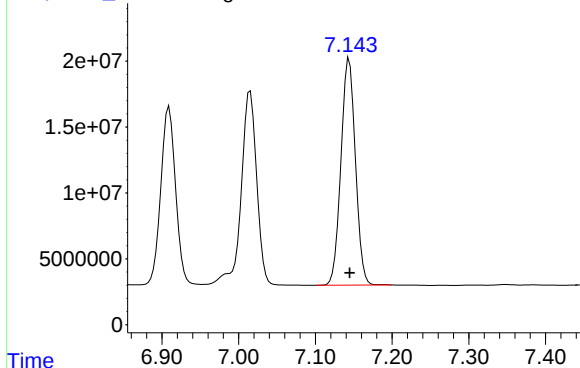
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1446313412
Conc: 52.23 ng/ml

Response_ Signal: PD090777.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 226189294
Conc: 48.77 ng/ml

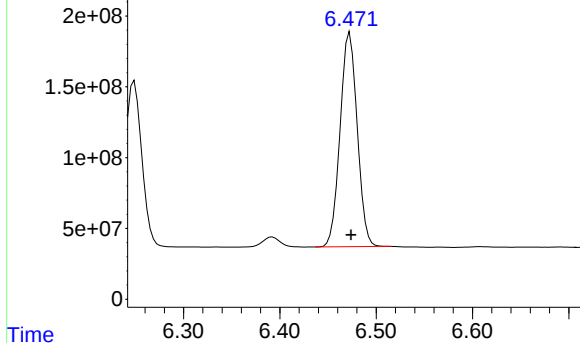
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Time Response_ Signal: PD090777.D\ECD2B.ch

#19 Endosulfan Sulfate

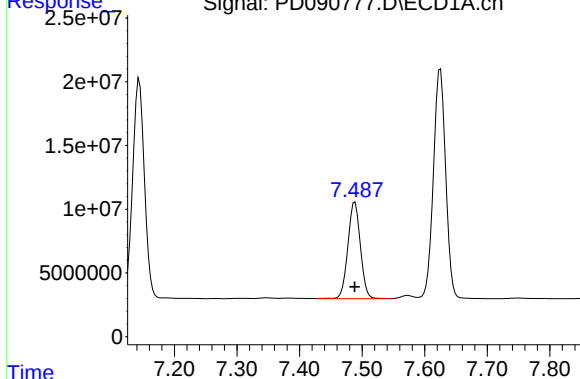
R.T.: 6.473 min
Delta R.T.: -0.001 min
Response: 1865937194
Conc: 52.06 ng/ml



Time Response_ Signal: PD090777.D\ECD1A.ch

#20 Methoxychlor

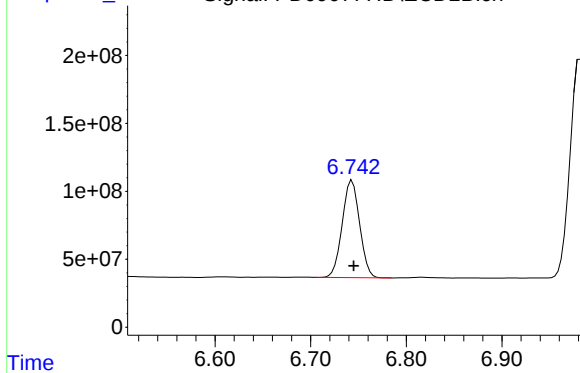
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 105733020
Conc: 49.74 ng/ml

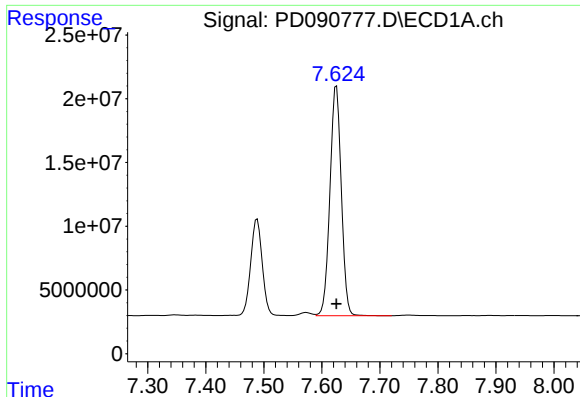


Time Response_ Signal: PD090777.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 907946899
Conc: 52.10 ng/ml

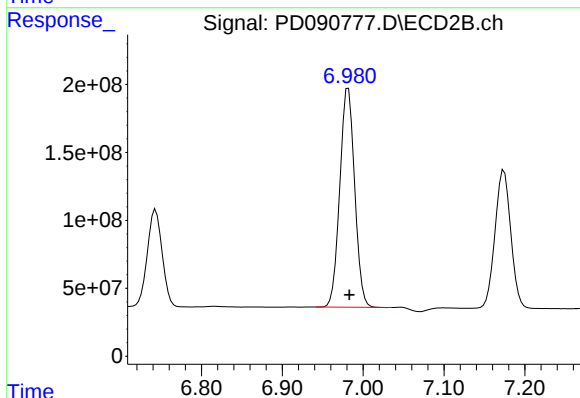




#21 Endrin ketone

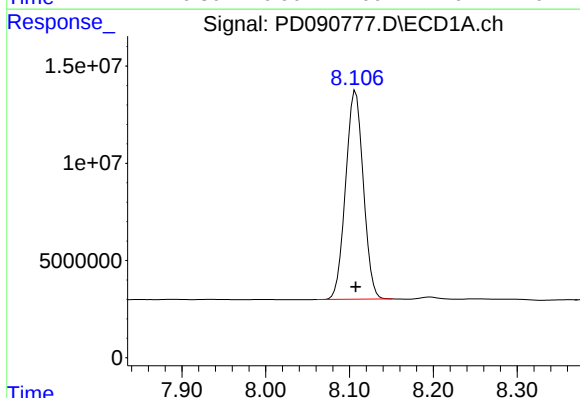
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 244657383
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



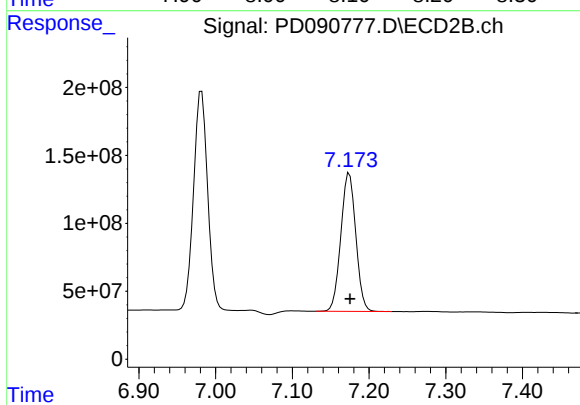
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 2056765321
Conc: 54.53 ng/ml



#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 157636926
Conc: 49.25 ng/ml



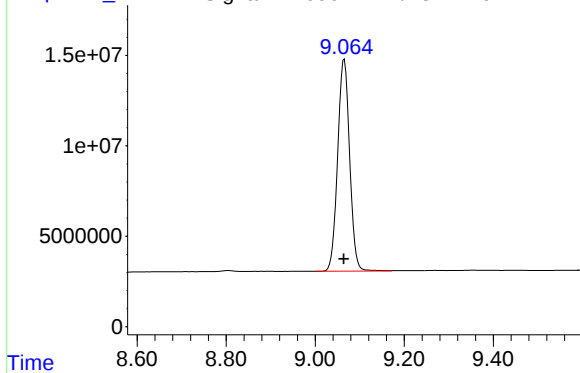
#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.001 min
Response: 1380363973
Conc: 53.73 ng/ml

Response_

Signal: PD090777.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.065 min

Delta R.T.: 0.001 min

Response: 219243799

Conc: 46.87 ng/ml

Instrument :

ECD_D

ClientSampleId :

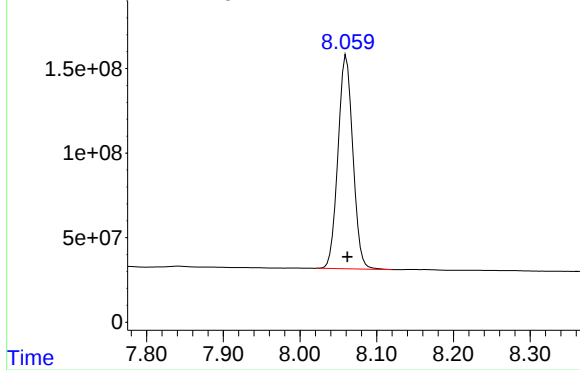
PSTDCCC050

Time

Response_

Signal: PD090777.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.060 min

Delta R.T.: -0.001 min

Response: 1702061630

Conc: 56.19 ng/ml

Time



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025
Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	52.200	50.000	4.4
4,4'-DDE	6.190	6.090	6.290	48.430	50.000	-3.1
4,4'-DDT	7.015	6.915	7.115	50.330	50.000	0.7
Aldrin	5.264	5.164	5.364	49.680	50.000	-0.6
alpha-BHC	3.994	3.894	4.094	49.650	50.000	-0.7
alpha-Chlordane	6.020	5.921	6.121	48.370	50.000	-3.3
beta-BHC	4.512	4.412	4.612	48.230	50.000	-3.5
Decachlorobiphenyl	9.065	8.964	9.164	46.570	50.000	-6.9
delta-BHC	4.760	4.660	4.860	49.870	50.000	-0.3
Dieldrin	6.341	6.240	6.440	53.620	50.000	7.2
Endosulfan I	6.068	5.968	6.168	49.180	50.000	-1.6
Endosulfan II	6.781	6.681	6.881	49.040	50.000	-1.9
Endosulfan sulfate	7.144	7.045	7.245	48.800	50.000	-2.4
Endrin	6.568	6.468	6.668	48.740	50.000	-2.5
Endrin aldehyde	6.910	6.810	7.010	49.920	50.000	-0.2
Endrin ketone	7.625	7.525	7.725	51.650	50.000	3.3
gamma-BHC (Lindane)	4.325	4.225	4.425	49.350	50.000	-1.3
gamma-Chlordane	5.940	5.840	6.040	48.820	50.000	-2.4
Heptachlor	4.923	4.823	5.023	57.980	50.000	16.0
Heptachlor epoxide	5.684	5.584	5.784	49.800	50.000	-0.4
Methoxychlor	7.488	7.388	7.588	48.700	50.000	-2.6
Tetrachloro-m-xylene	3.544	3.445	3.645	47.960	50.000	-4.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	51.790	50.000	3.6
4,4'-DDE	5.365	5.266	5.466	50.080	50.000	0.2
4,4'-DDT	6.174	6.074	6.274	51.520	50.000	3.0
Aldrin	4.360	4.261	4.461	49.410	50.000	-1.2
alpha-BHC	3.386	3.287	3.487	49.590	50.000	-0.8
alpha-Chlordane	5.181	5.081	5.281	49.880	50.000	-0.2
beta-BHC	4.018	3.919	4.119	49.150	50.000	-1.7
Decachlorobiphenyl	8.060	7.962	8.162	53.960	50.000	7.9
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.504	5.404	5.604	49.970	50.000	-0.1
Endosulfan I	5.238	5.138	5.338	48.460	50.000	-3.1
Endosulfan II	6.072	5.972	6.172	50.990	50.000	2.0
Endosulfan sulfate	6.474	6.374	6.574	51.260	50.000	2.5
Endrin	5.780	5.681	5.881	50.120	50.000	0.2
Endrin aldehyde	6.249	6.150	6.350	51.510	50.000	3.0
Endrin ketone	6.983	6.883	7.083	53.140	50.000	6.3
gamma-BHC (Lindane)	3.722	3.623	3.823	51.000	50.000	2.0
gamma-Chlordane	5.116	5.017	5.217	50.110	50.000	0.2
Heptachlor	4.074	3.975	4.175	50.660	50.000	1.3
Heptachlor epoxide	4.864	4.764	4.964	49.200	50.000	-1.6
Methoxychlor	6.745	6.645	6.845	51.930	50.000	3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.980	50.000	-2.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090789.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:52
 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: Oct 24 06:15:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	149.3E6	1458.5E6	47.956	48.980
28)	SA Decachlor...	9.065	8.060	217.8E6	1634.5E6	46.569	53.960
Target Compounds							
2)	A alpha-BHC	3.994	3.386	356.4E6	2534.0E6	49.653	49.593
3)	MA gamma-BHC...	4.325	3.722	335.5E6	2409.6E6	49.351	50.997
4)	MA Heptachlor	4.923	4.074	324.1E6	2259.6E6	57.979	50.659
5)	MB Aldrin	5.264	4.360	325.3E6	2288.7E6	49.681	49.413
6)	B beta-BHC	4.512	4.018	126.3E6	974.5E6	48.227	49.145
7)	B delta-BHC	4.760	4.254	337.2E6	2385.0E6	49.875	49.983
8)	B Heptachlo...	5.684	4.864	288.3E6	2097.7E6	49.805	49.196
9)	A Endosulfan I	6.068	5.238	272.3E6	1908.8E6	49.185	48.458
10)	B gamma-Chl...	5.940	5.116	289.6E6	2252.6E6	48.822	50.114
11)	B alpha-Chl...	6.020	5.181	298.9E6	2151.6E6	48.367	49.877
12)	B 4,4'-DDE	6.190	5.365	258.0E6	2195.6E6	48.430	50.083
13)	MA Dieldrin	6.341	5.504	312.7E6	2207.8E6	53.624	49.968
14)	MA Endrin	6.568	5.780	241.4E6	2029.5E6	48.738	50.119
15)	B Endosulfa...	6.781	6.072	245.2E6	1915.0E6	49.040	50.991
16)	A 4,4'-DDD	6.700	5.920	211.6E6	1887.1E6	52.205	51.789
17)	MA 4,4'-DDT	7.015	6.174	206.9E6	1806.9E6	50.328	51.517
18)	B Endrin al...	6.910	6.249	182.9E6	1426.5E6	49.924	51.512
19)	B Endosulfa...	7.144	6.474	226.3E6	1837.4E6	48.799	51.258
20)	A Methoxychlor	7.488	6.745	103.5E6	905.1E6	48.703	51.932
21)	B Endrin ke...	7.625	6.983	251.0E6	2004.5E6	51.653	53.144
22)	Mirex	8.107	7.175	156.4E6	1346.3E6	48.847	52.405

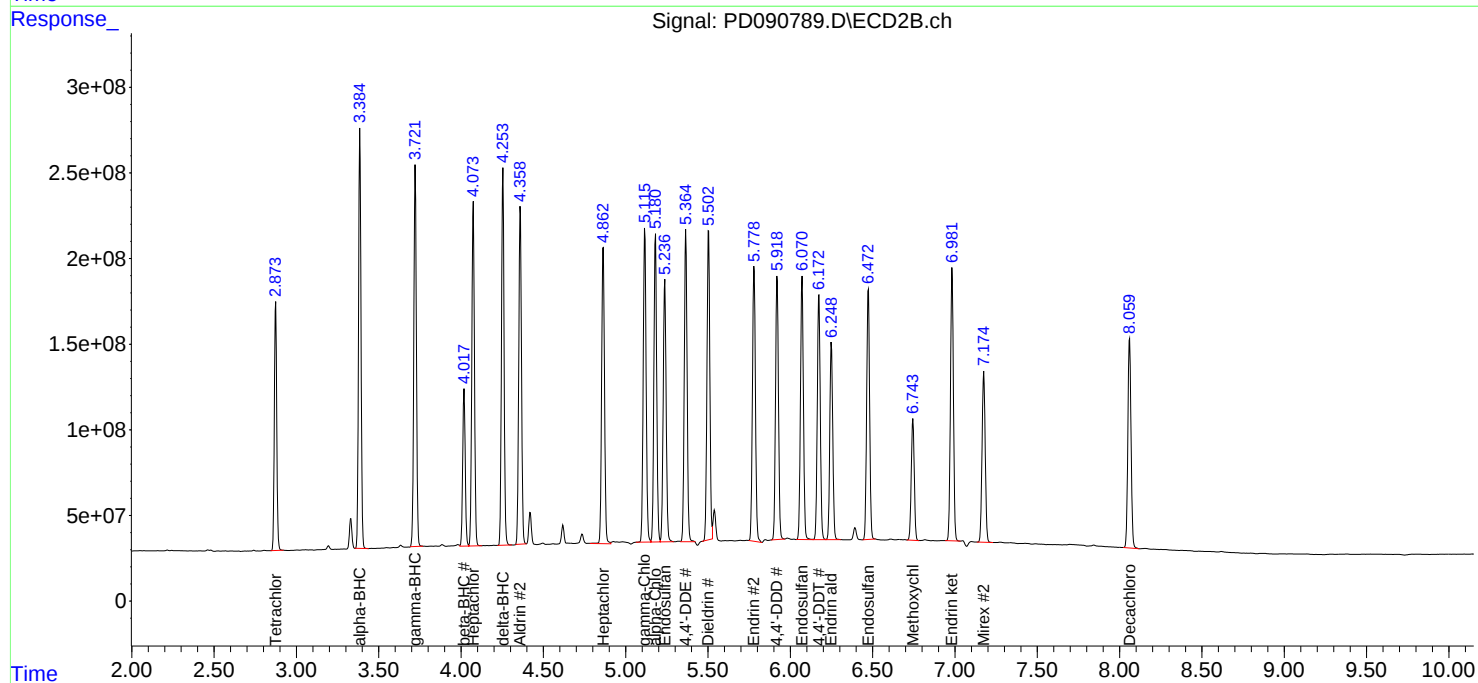
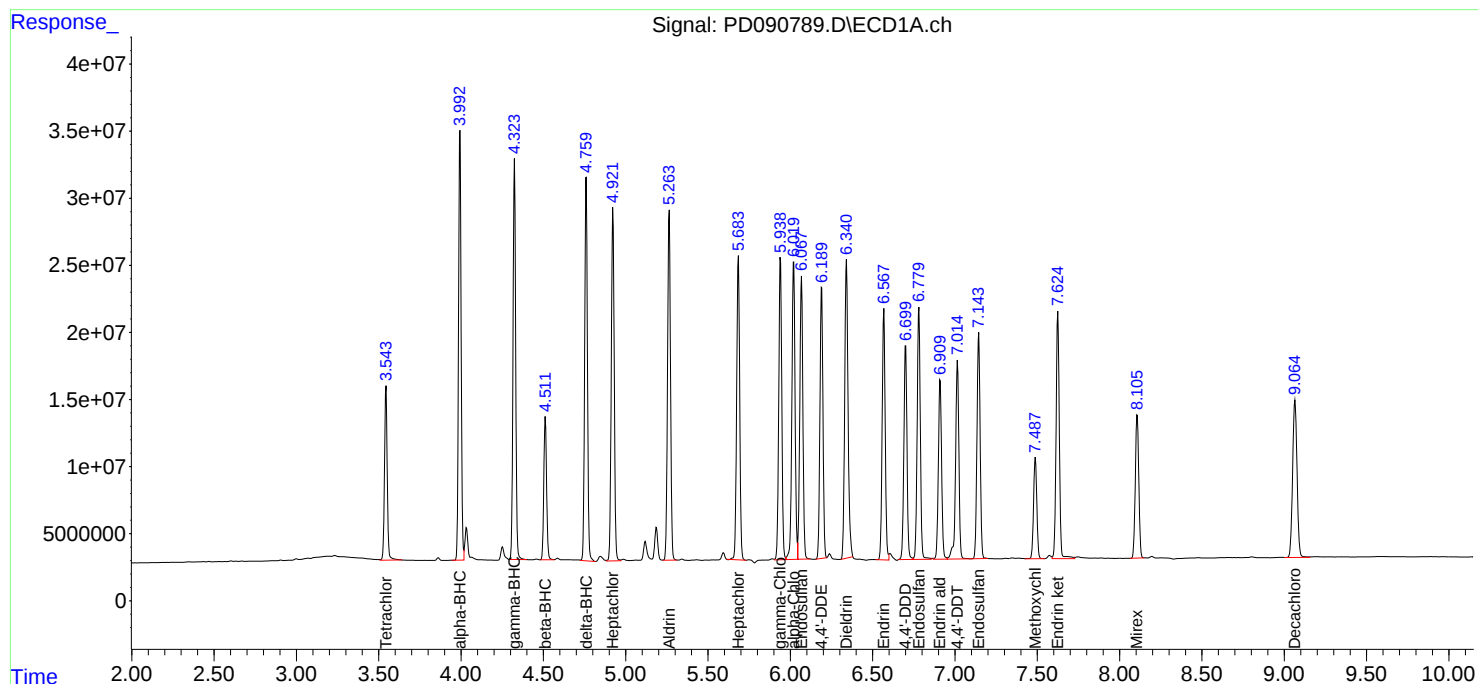
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090789.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:52
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: Oct 24 06:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090789.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 149343338
Conc: 47.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_ Signal: PD090789.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1458493463
Conc: 48.98 ng/ml

Time

Response_ Signal: PD090789.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 356368039
Conc: 49.65 ng/ml

Time

Response_ Signal: PD090789.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2533987732
Conc: 49.59 ng/ml

Time

Response_

Signal: PD090789.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 335528304

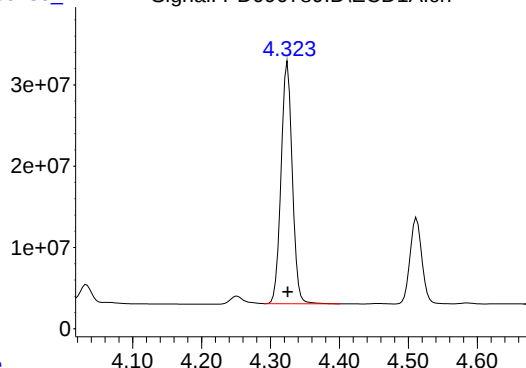
Conc: 49.35 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



Time

Response

Signal: PD090789.D\ECD2B.ch

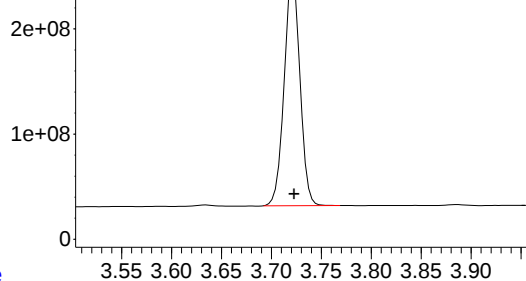
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2409571352

Conc: 51.00 ng/ml



Time

Response_

Signal: PD090789.D\ECD1A.ch

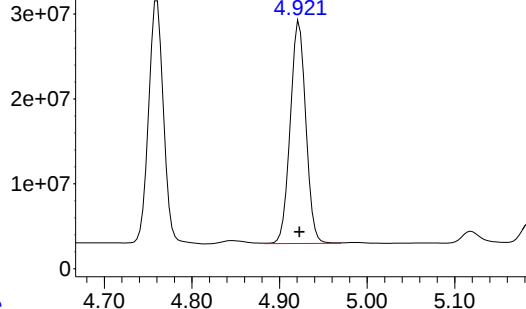
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 324076580

Conc: 57.98 ng/ml



Time

Response

Signal: PD090789.D\ECD2B.ch

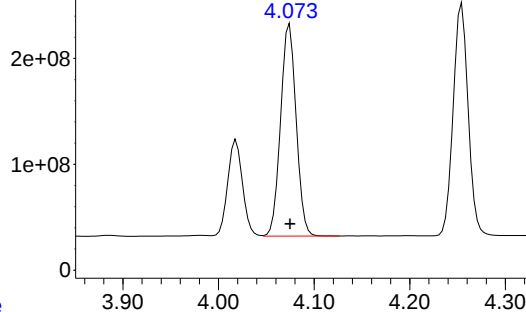
#4 Heptachlor

R.T.: 4.074 min

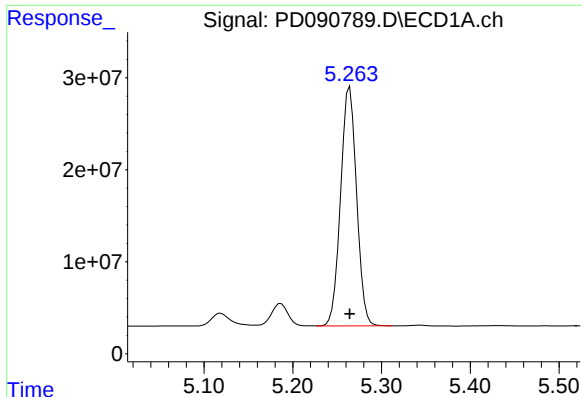
Delta R.T.: 0.000 min

Response: 2259556830

Conc: 50.66 ng/ml



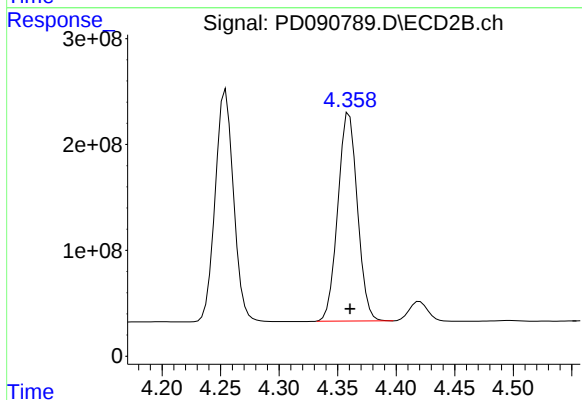
Time



#5 Aldrin

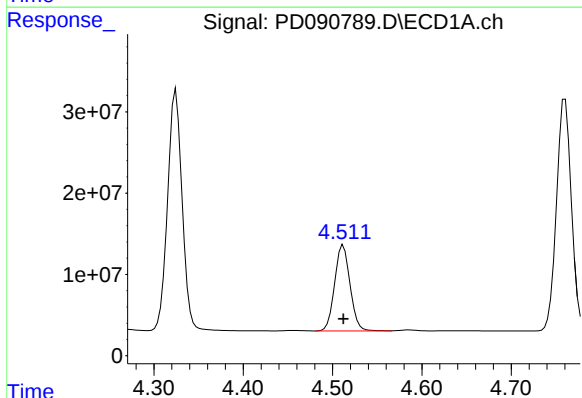
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 325273605
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



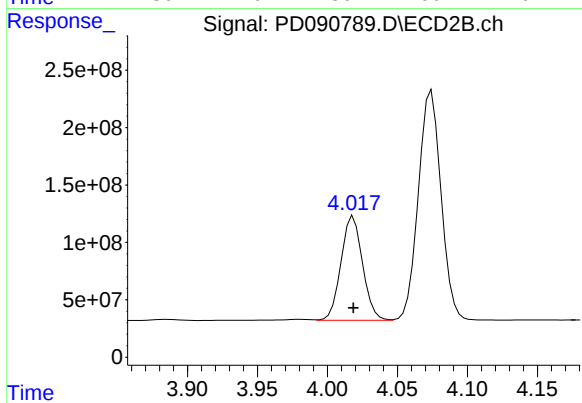
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2288748519
Conc: 49.41 ng/ml



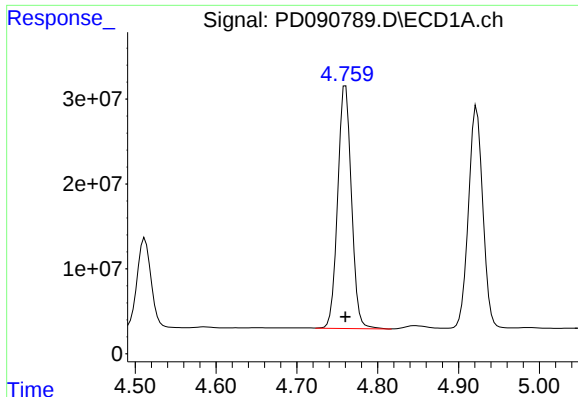
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 126337138
Conc: 48.23 ng/ml



#6 beta-BHC

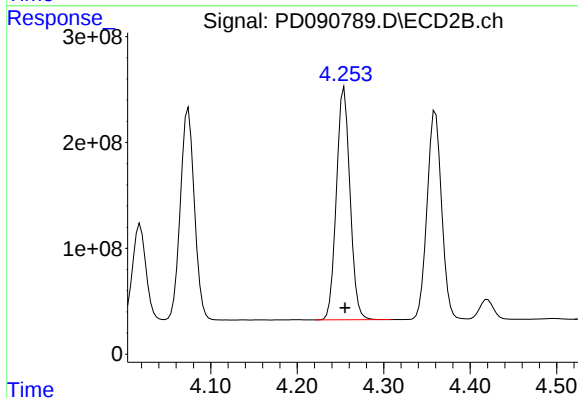
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 974531476
Conc: 49.15 ng/ml



#7 delta-BHC

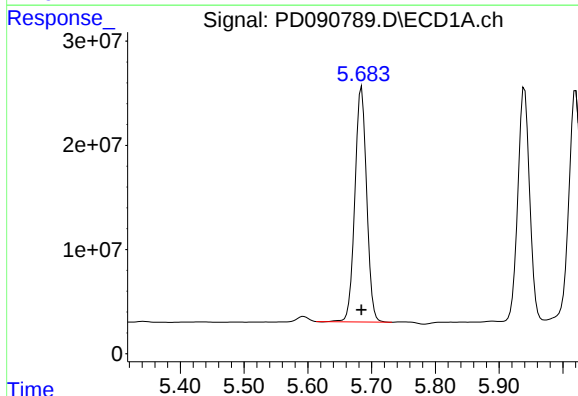
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 337239419
Conc: 49.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



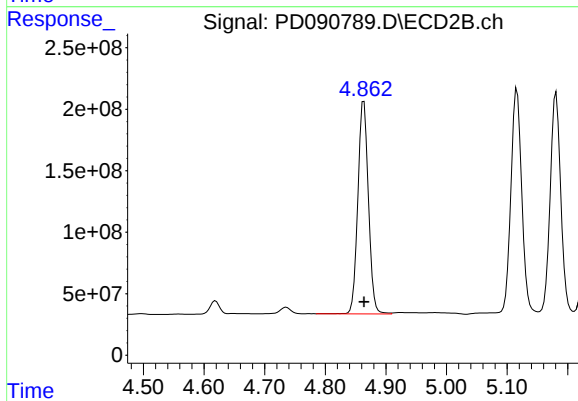
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2385025548
Conc: 49.98 ng/ml



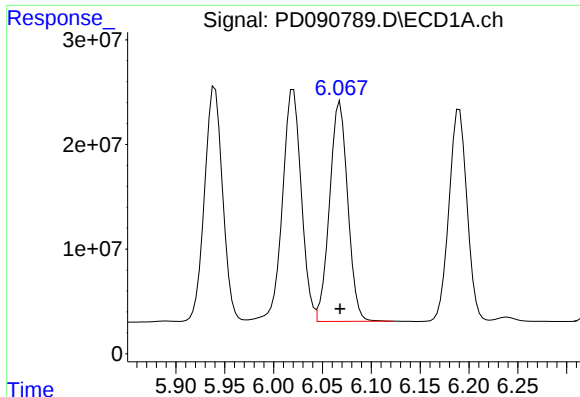
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 288322841
Conc: 49.80 ng/ml



#8 Heptachlor epoxide

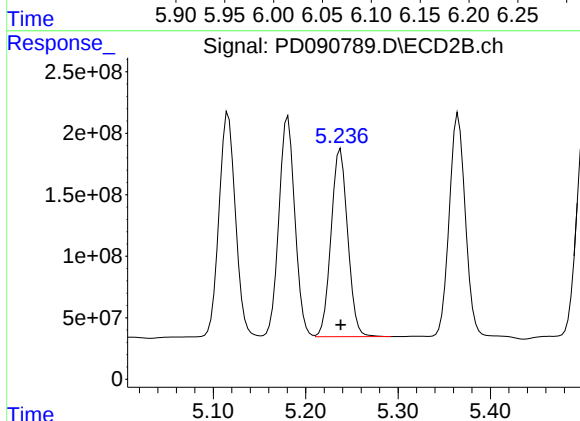
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2097656580
Conc: 49.20 ng/ml



#9 Endosulfan I

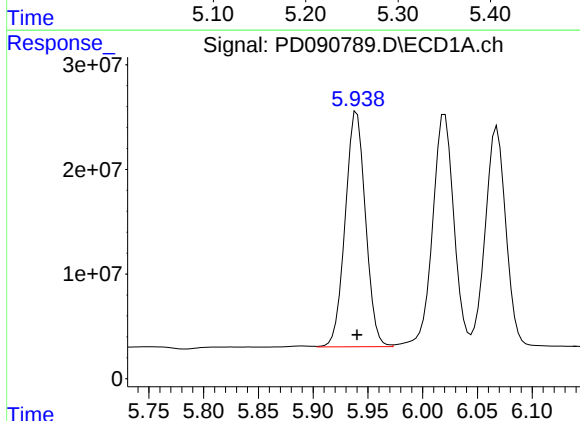
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272318231
Conc: 49.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



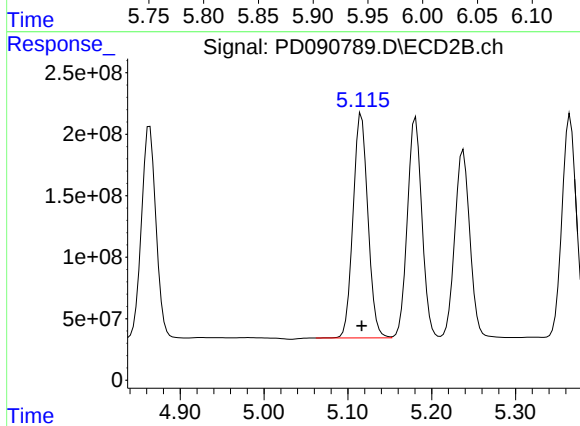
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1908759871
Conc: 48.46 ng/ml



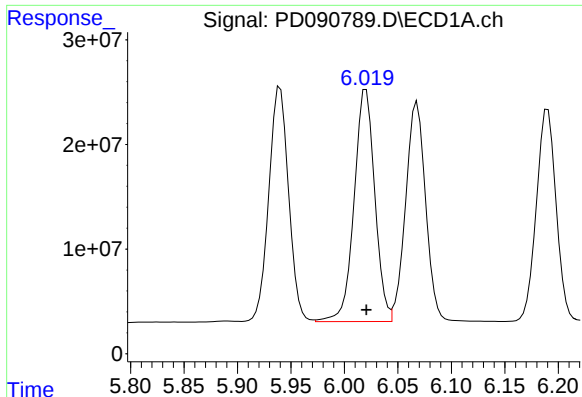
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 289571306
Conc: 48.82 ng/ml



#10 gamma-Chlordane

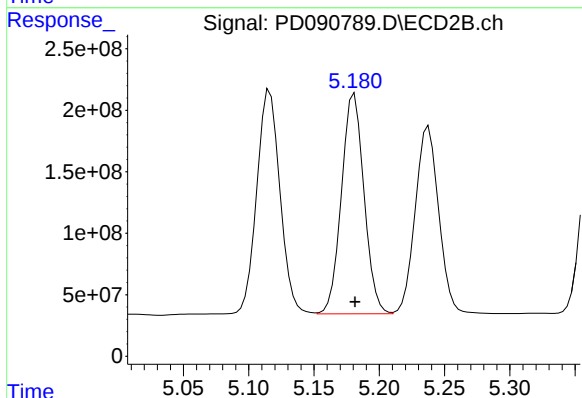
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2252583078
Conc: 50.11 ng/ml



#11 alpha-Chlordane

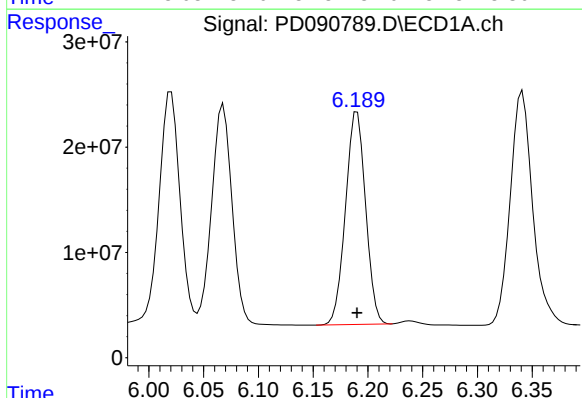
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 298920369
Conc: 48.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



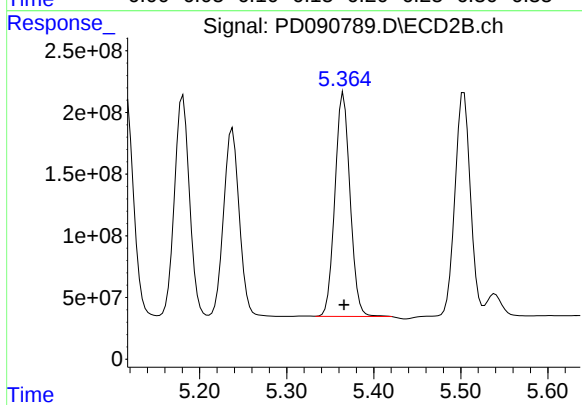
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2151580049
Conc: 49.88 ng/ml



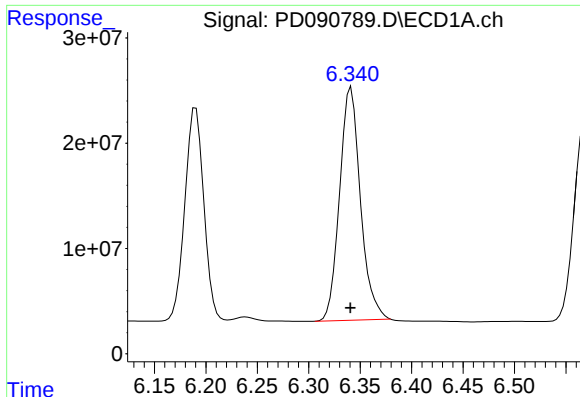
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 257968671
Conc: 48.43 ng/ml



#12 4,4'-DDE

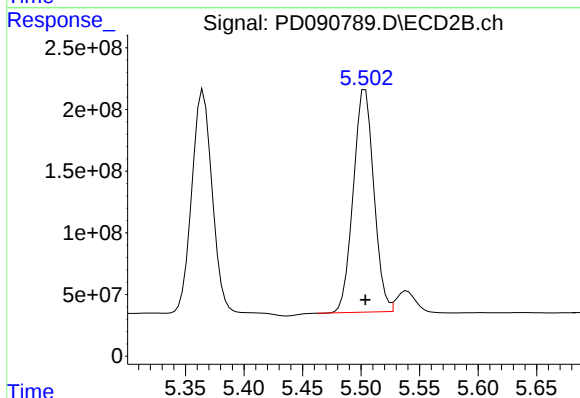
R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2195554517
Conc: 50.08 ng/ml



#13 Dieldrin

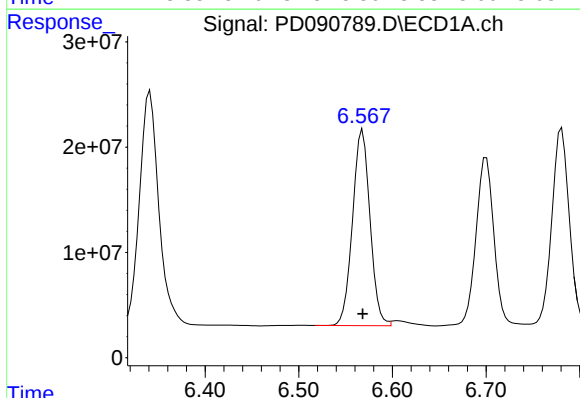
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 312702503
Conc: 53.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



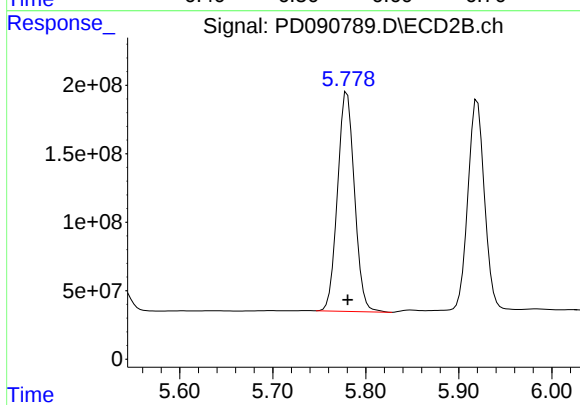
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2207787417
Conc: 49.97 ng/ml



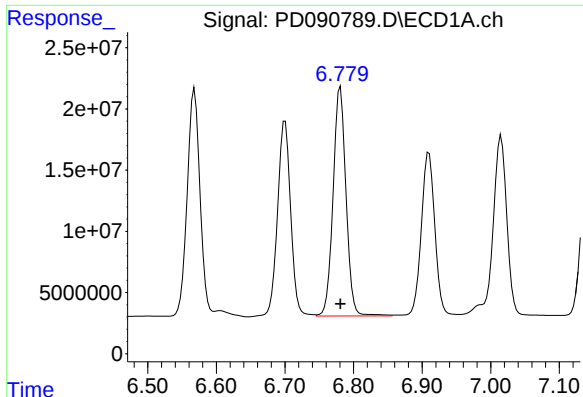
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 241431274
Conc: 48.74 ng/ml



#14 Endrin

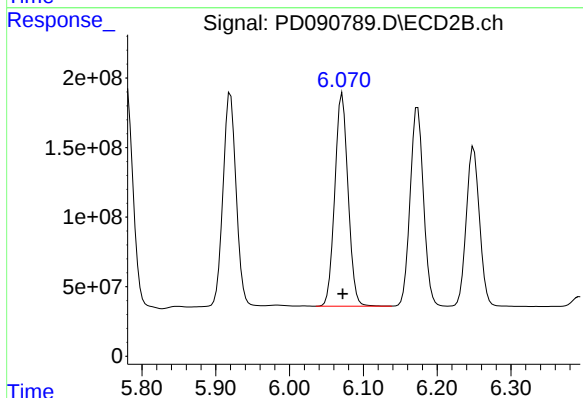
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2029500295
Conc: 50.12 ng/ml



#15 Endosulfan II

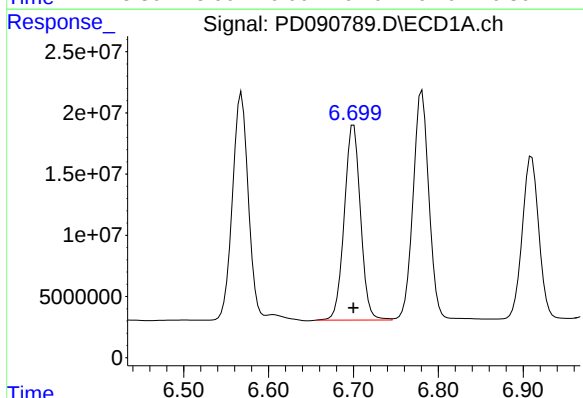
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 245199923
Conc: 49.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



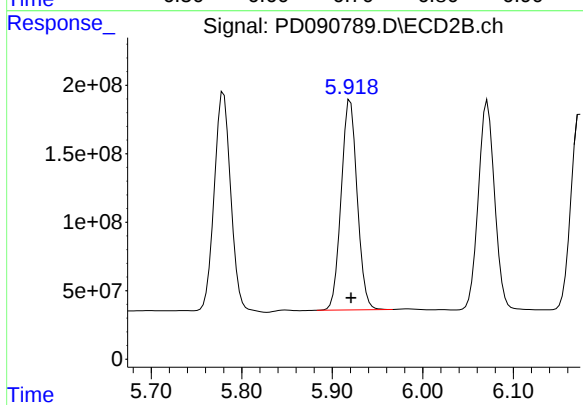
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1915005204
Conc: 50.99 ng/ml



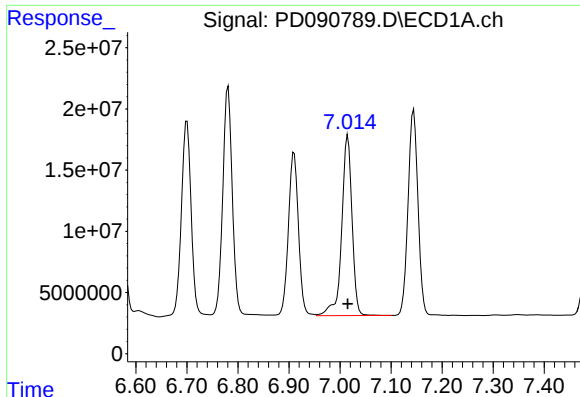
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 211649351
Conc: 52.20 ng/ml



#16 4,4'-DDD

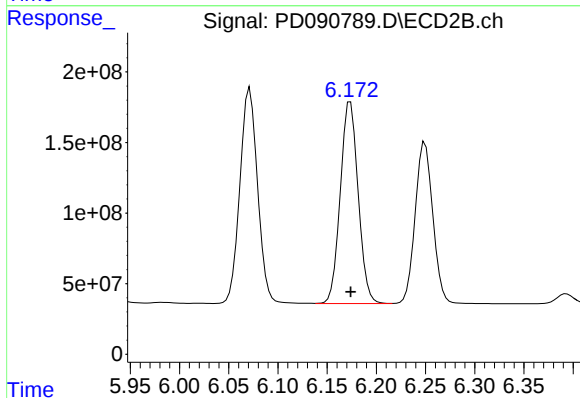
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1887073719
Conc: 51.79 ng/ml



#17 4,4'-DDT

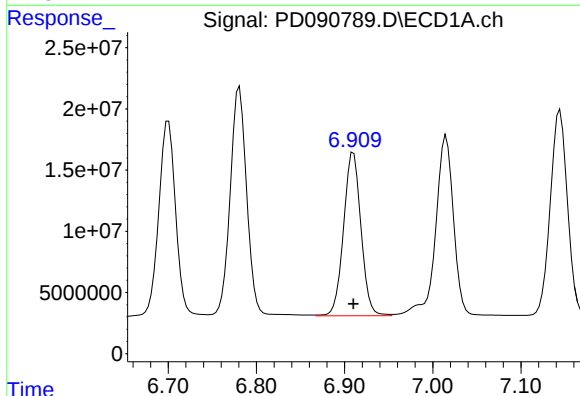
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 206872383
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



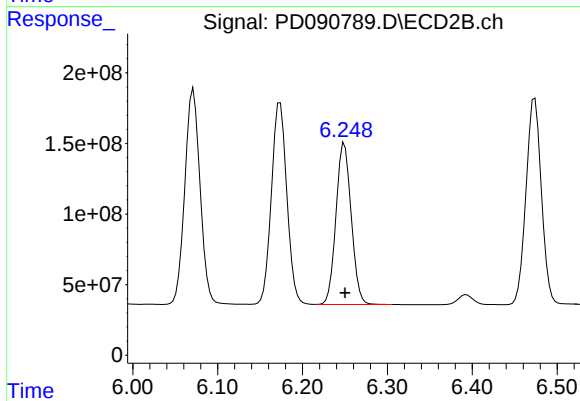
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1806864026
Conc: 51.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 182857411
Conc: 49.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1426511527
Conc: 51.51 ng/ml

Response_ Signal: PD090789.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 226337948
Conc: 48.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_ Signal: PD090789.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1837350870
Conc: 51.26 ng/ml

Time

Response_ Signal: PD090789.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 103523108
Conc: 48.70 ng/ml

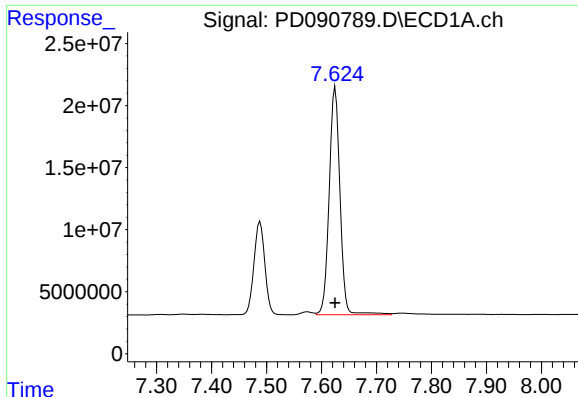
Time

Response_ Signal: PD090789.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 905062589
Conc: 51.93 ng/ml

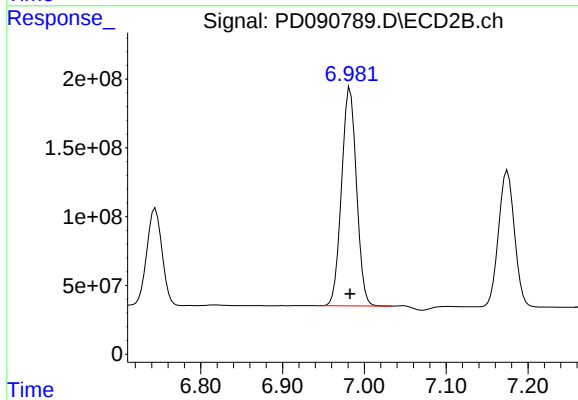
Time



#21 Endrin ketone

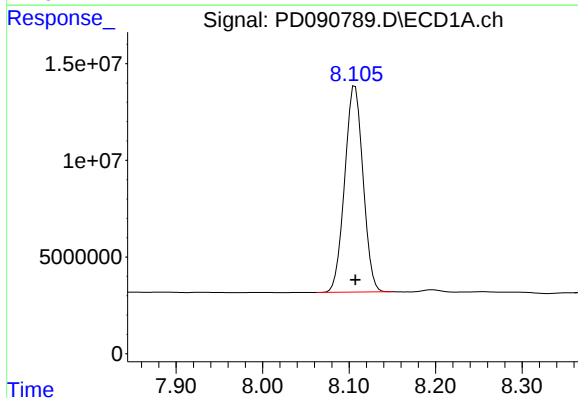
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 250974644
Conc: 51.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



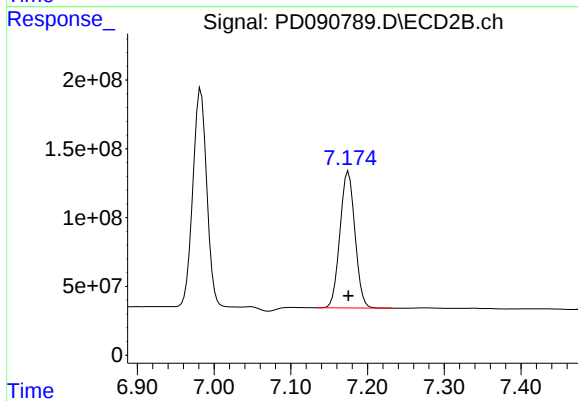
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 2004474205
Conc: 53.14 ng/ml



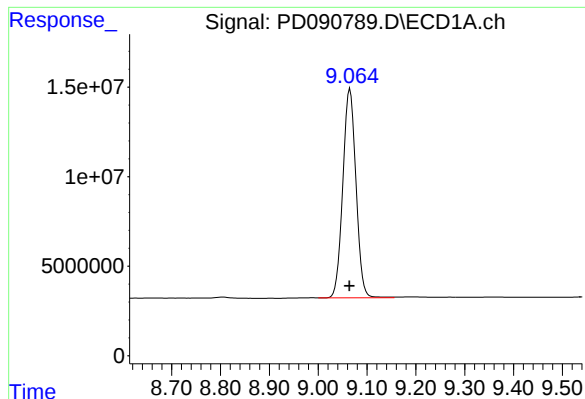
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 156351812
Conc: 48.85 ng/ml



#22 Mirex

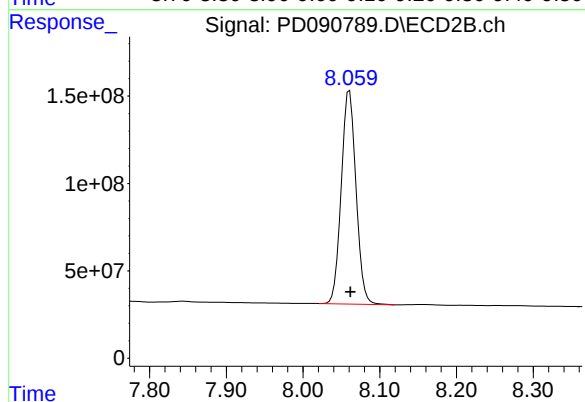
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1346333596
Conc: 52.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 217847756
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.001 min
Response: 1634521210
Conc: 53.96 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

Data File: PEM
 PD090648.D **Date Acquired** 10/17/2025 11:07
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	243728295.7	249054181.9	5325886.17	2.14
Endrin aldehyde	6.91	1372426.584			
Endrin ketone	7.63	3953459.588			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1941282940	1991060515	49777575.7	2.50
Endrin aldehyde #2	6.25	19940698.04			
Endrin ketone #2	6.98	29836877.65			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	412144601.3	415215115.8	3070514.5	0.74
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3070514.503			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3355351424	3394188860	38837436.1	1.14
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	38837436.09			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:07
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/19/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.875	67593250	632.0E6	21.705	21.224
28)	SA Decachlor...	9.066	8.062	106.9E6	648.1E6	22.859	21.395
Target Compounds							
2)	A alpha-BHC	3.994	3.386	64971308	526.5E6	9.053	10.304
3)	MA gamma-BHC...	4.324	3.723	63399907	488.4E6	9.325	10.337
6)	B beta-BHC	4.512	4.019	26386693	207.4E6	10.073	10.459
14)	MA Endrin	6.568	5.781	243.7E6	1941.3E6	49.201	47.940
16)	A 4,4'-DDD	6.701	5.923	3070515	38837436	0.757	1.066 #
17)	MA 4,4'-DDT	7.016	6.174	412.1E6	3355.4E6	100.267	95.667
18)	B Endrin al...	6.913	6.248	1372427	19940698	0.375m	0.720 #
20)	A Methoxychlor	7.489	6.745	503.3E6	3517.5E6	236.805	201.834
21)	B Endrin ke...	7.625	6.981	3953460	29836878	0.814	0.791m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

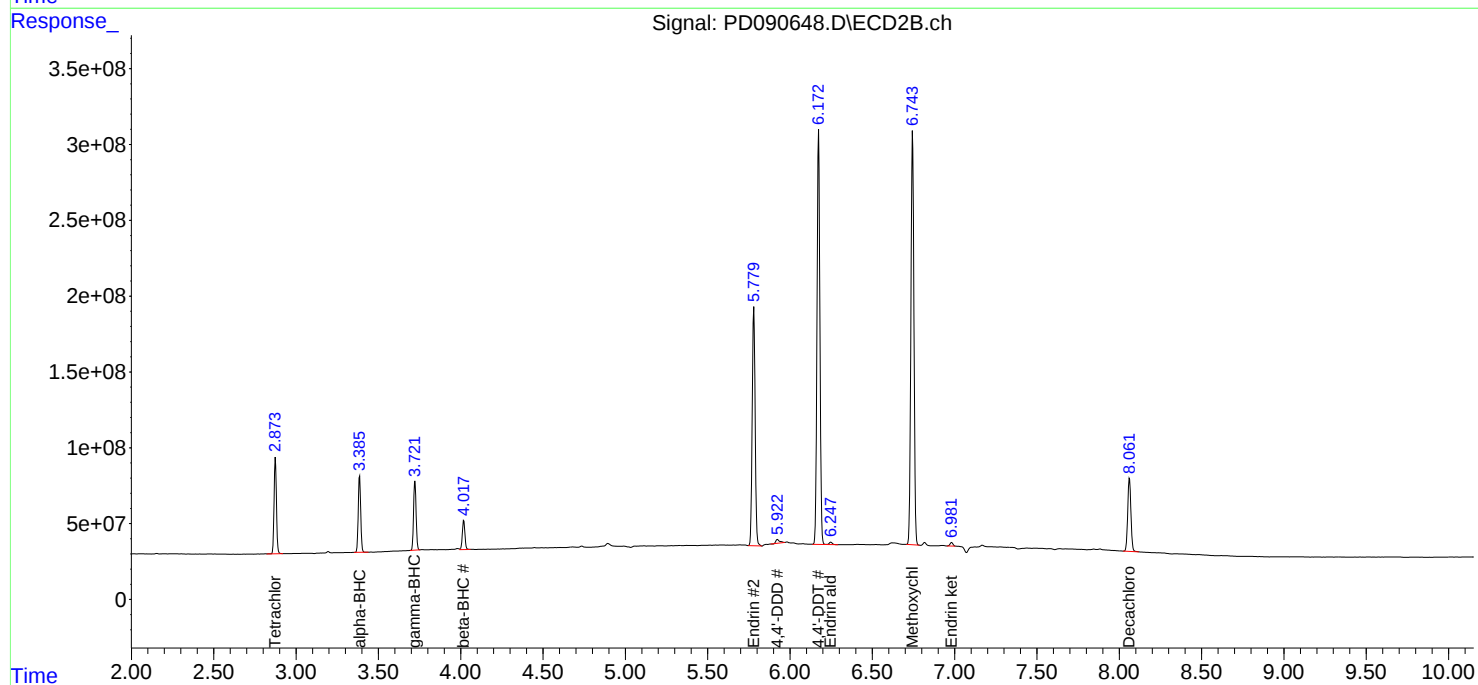
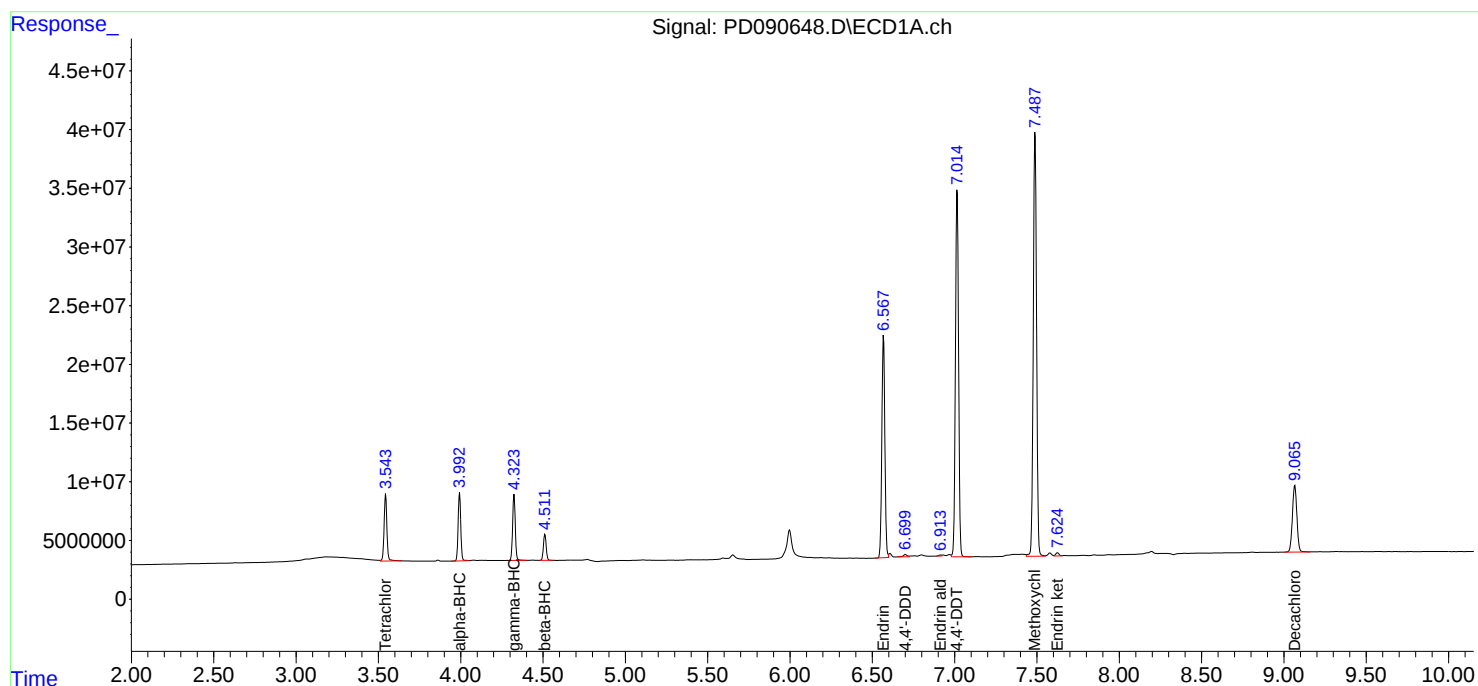
Instrument :
ECD_D
ClientSampleId :
PEM

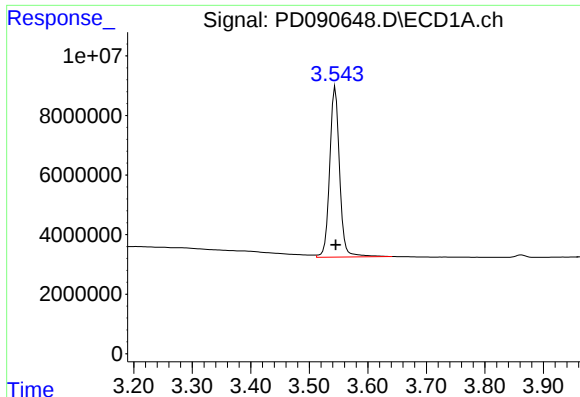
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





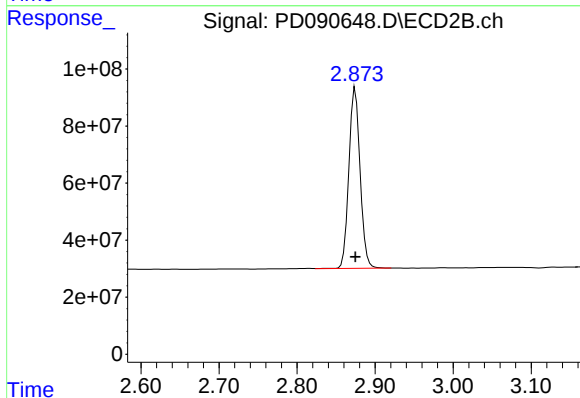
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 67593250
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

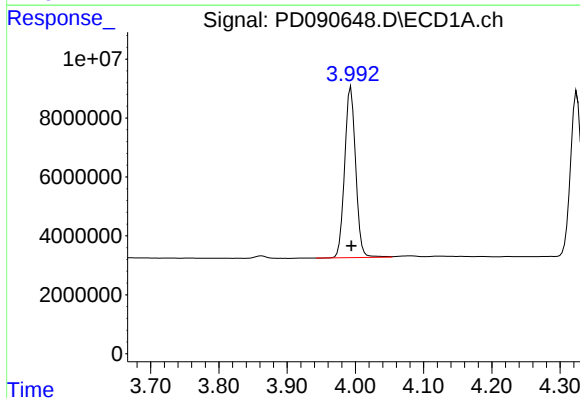
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



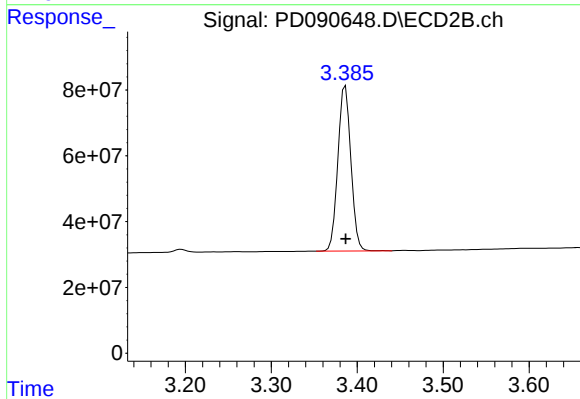
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 631992202
Conc: 21.22 ng/ml



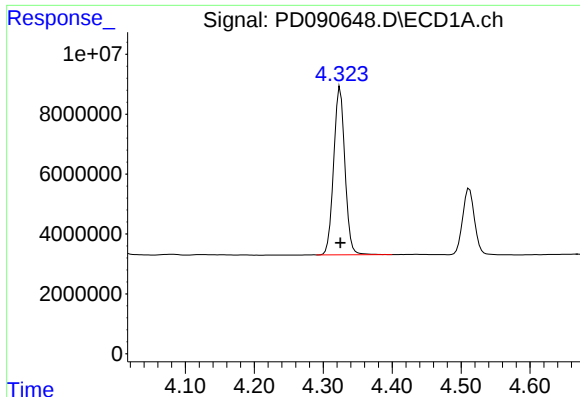
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 64971308
Conc: 9.05 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 526499291
Conc: 10.30 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 63399907
Conc: 9.33 ng/ml

Instrument :

ECD_D

ClientSampleId :

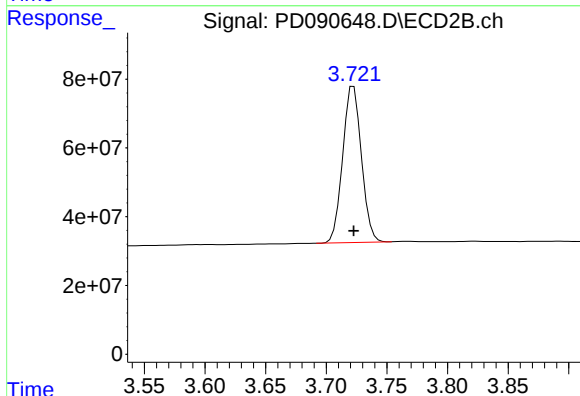
PEM

Manual Integrations

APPROVED

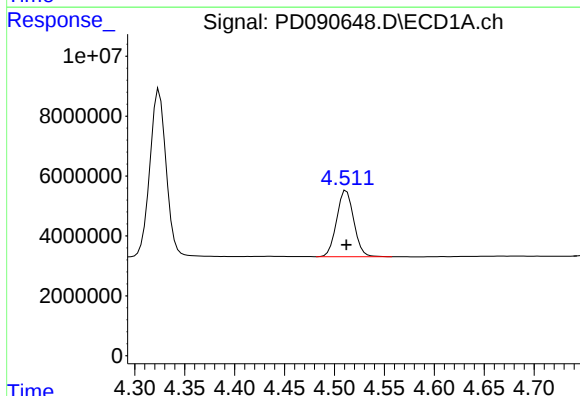
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025



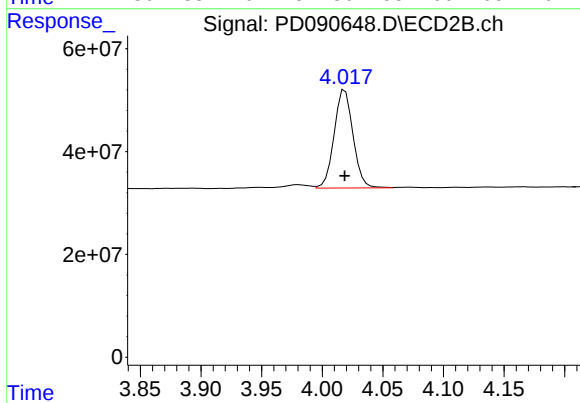
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 488402734
Conc: 10.34 ng/ml



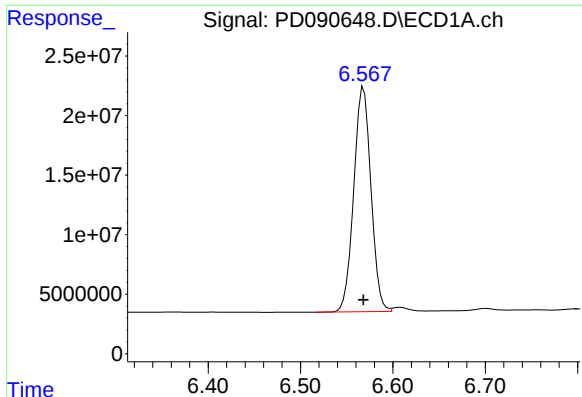
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26386693
Conc: 10.07 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 207399327
Conc: 10.46 ng/ml



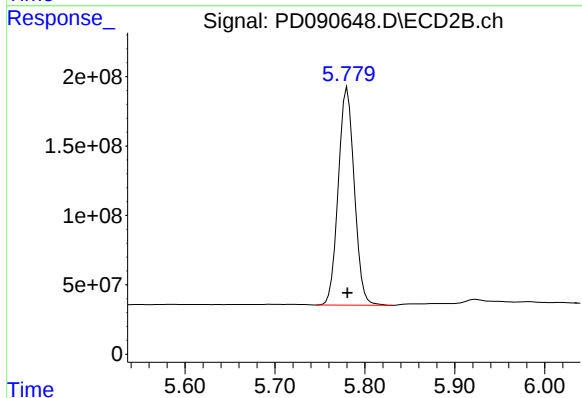
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 243728296
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

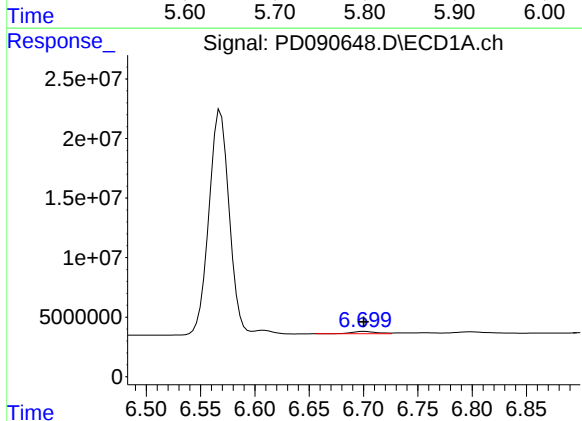
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



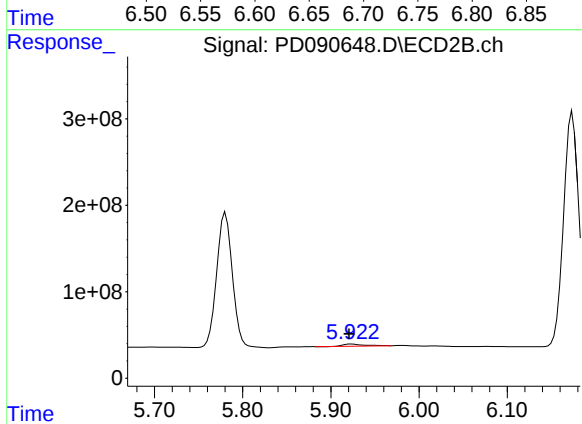
#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1941282940
Conc: 47.94 ng/ml



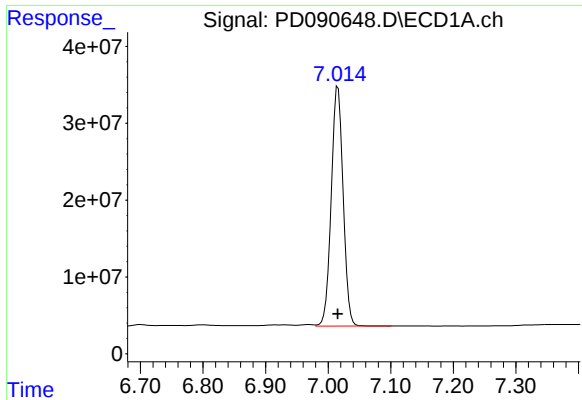
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 3070515
Conc: 0.76 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.003 min
Response: 38837436
Conc: 1.07 ng/ml



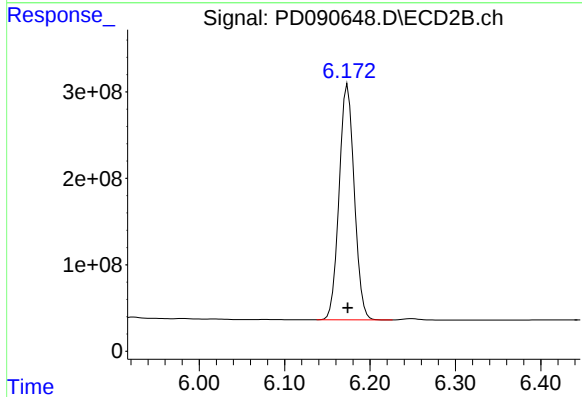
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 412144601
Conc: 100.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

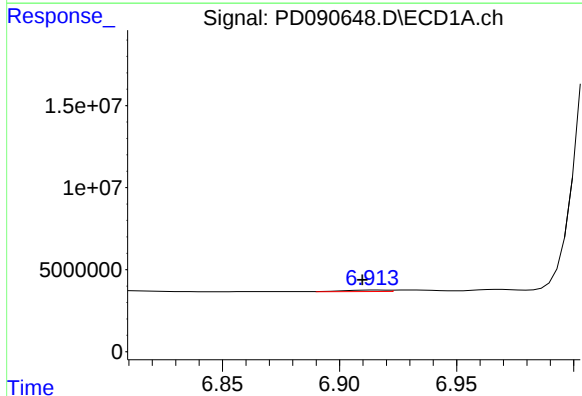
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



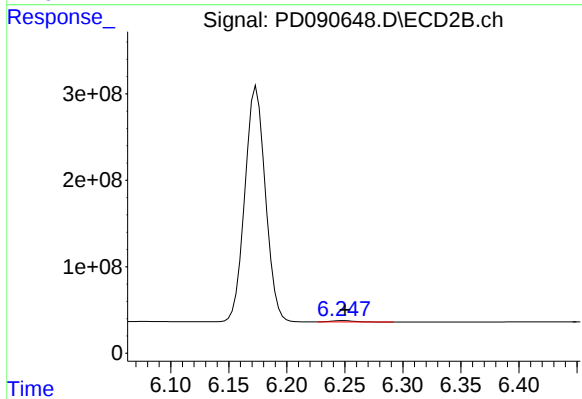
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3355351424
Conc: 95.67 ng/ml



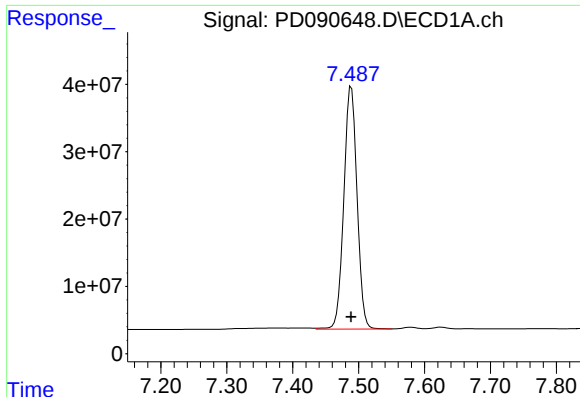
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.003 min
Response: 1372427
Conc: 0.37 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 19940698
Conc: 0.72 ng/ml



#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 503349948
Conc: 236.81 ng/ml

Instrument :

ECD_D

ClientSampleId :

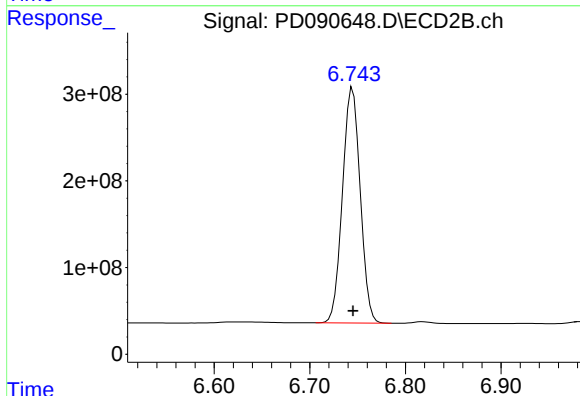
PEM

Manual Integrations

APPROVED

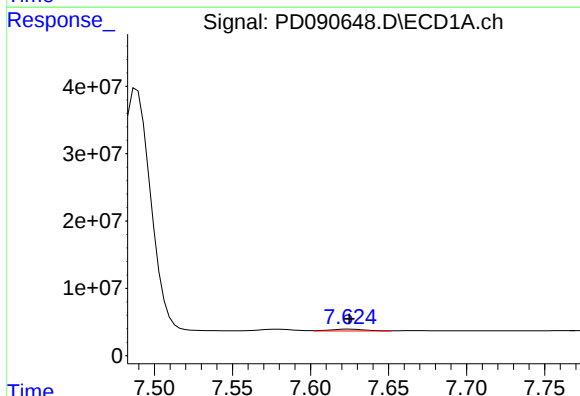
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025



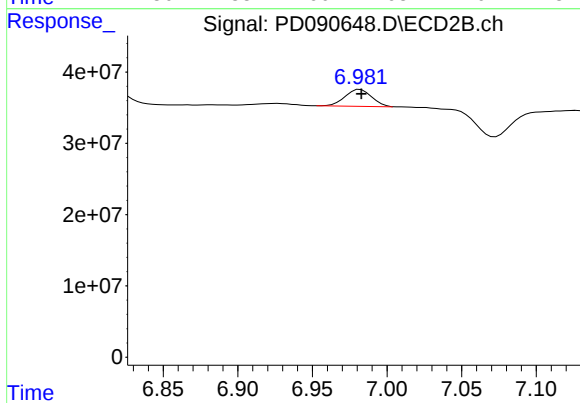
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3517519034
Conc: 201.83 ng/ml



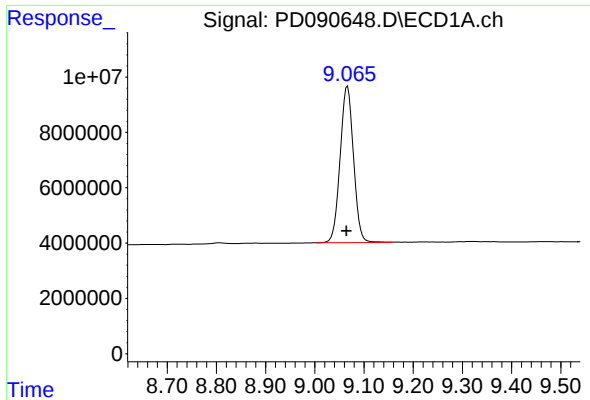
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 3953460
Conc: 0.81 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 29836878
Conc: 0.79 ng/ml m



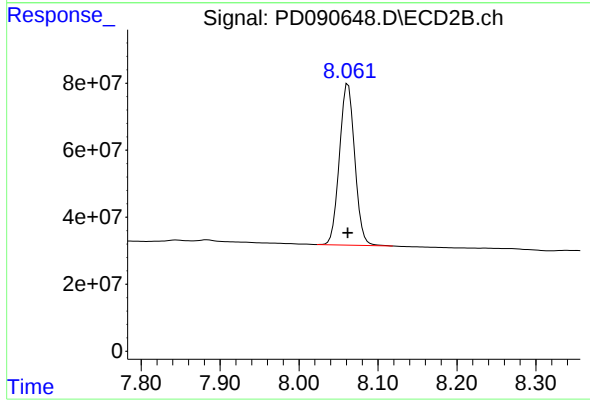
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 106933782
Conc: 22.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 648085268
Conc: 21.40 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	21.360	20.000	6.8
Tetrachloro-m-xylene	3.544	3.490	3.590	20.730	20.000	3.7
alpha-BHC	3.993	3.940	4.040	8.630	10.000	-13.7
beta-BHC	4.512	4.460	4.560	9.990	10.000	-0.1
gamma-BHC (Lindane)	4.324	4.270	4.370	8.990	10.000	-10.1
Endrin	6.568	6.500	6.640	48.450	50.000	-3.1
4,4'-DDT	7.016	6.950	7.090	98.300	100.000	-1.7
Methoxychlor	7.489	7.420	7.560	230.150	250.000	-7.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.060	7.960	8.160	25.180	20.000	25.9
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.520	10.000	5.2
beta-BHC	4.018	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.770	10.000	7.7
Endrin	5.779	5.710	5.850	50.700	50.000	1.4
4,4'-DDT	6.172	6.100	6.240	101.920	100.000	1.9
Methoxychlor	6.743	6.670	6.810	212.260	250.000	-15.1

Data File: PEM
Operator: PD090776.D Date Acquired 10/23/2025 9:38
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	239991902.3	256727206.5	16735304.1	6.52
Endrin aldehyde	6.91	7655028.542			
Endrin ketone	7.63	9080275.602			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	2052870622	2155978973	103108351	4.78
Endrin aldehyde #2	6.25	28132387.58			
Endrin ketone #2	6.98	74975963.57			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	404041246	419967140.8	15925894.9	3.79
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	15925894.85			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3574649415	3713063629	138414214	3.73
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	138414214			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090776.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 09:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:12:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.873	64542344	639.1E6	20.725	21.461
28)	SA Decachlor...	9.066	8.060	99943602	762.6E6	21.365	25.175
Target Compounds							
2)	A alpha-BHC	3.993	3.385	61919576	537.6E6	8.627	10.521
3)	MA gamma-BHC...	4.324	3.721	61129232	508.8E6	8.991	10.769
6)	B beta-BHC	4.512	4.018	26171904	209.2E6	9.991	10.552
14)	MA Endrin	6.568	5.779	240.0E6	2052.9E6	48.447	50.696
16)	A 4,4'-DDD	6.699	5.919	15925895	138.4E6	3.928m	3.799
17)	MA 4,4'-DDT	7.016	6.172	404.0E6	3574.6E6	98.296	101.920
18)	B Endrin al...	6.911	6.247	7655029	28132388	2.090	1.016 #
20)	A Methoxychlor	7.489	6.743	489.2E6	3699.2E6	230.151	212.256
21)	B Endrin ke...	7.626	6.981	9080276	74975964	1.869	1.988

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090776.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

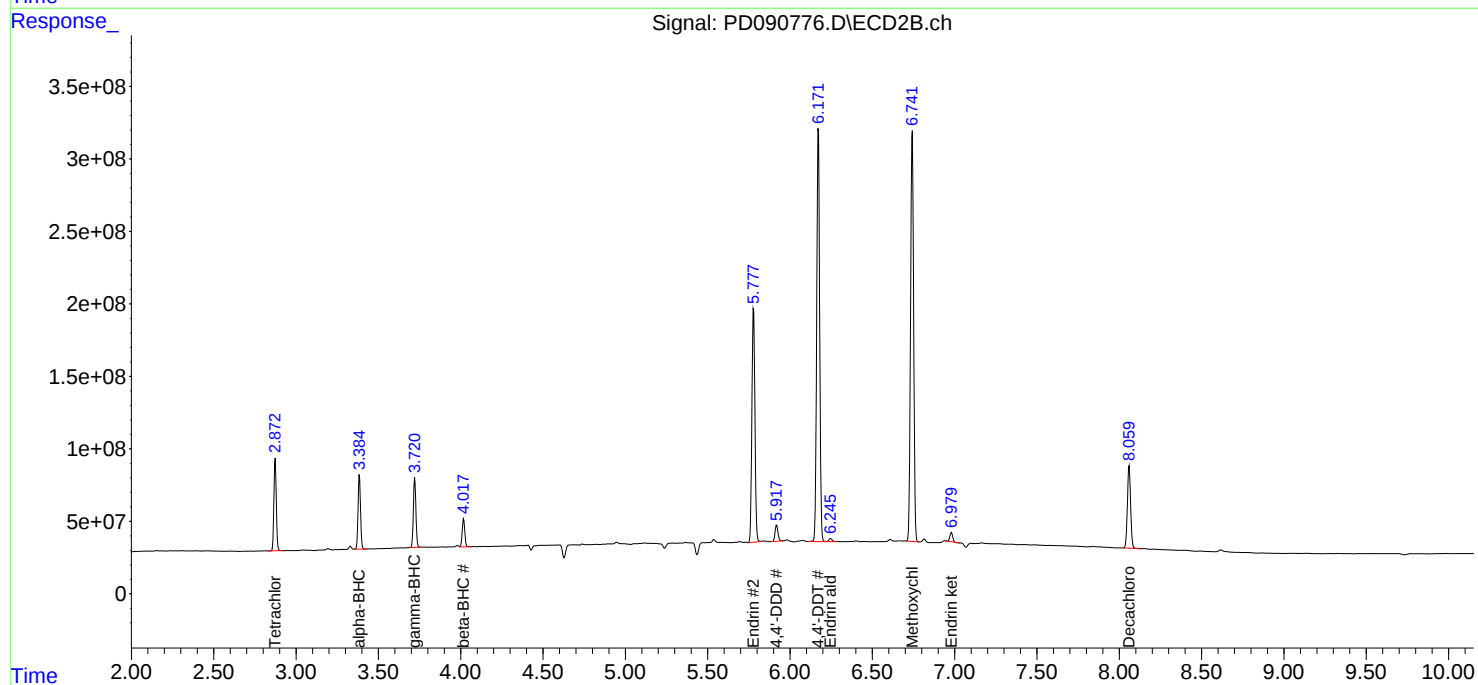
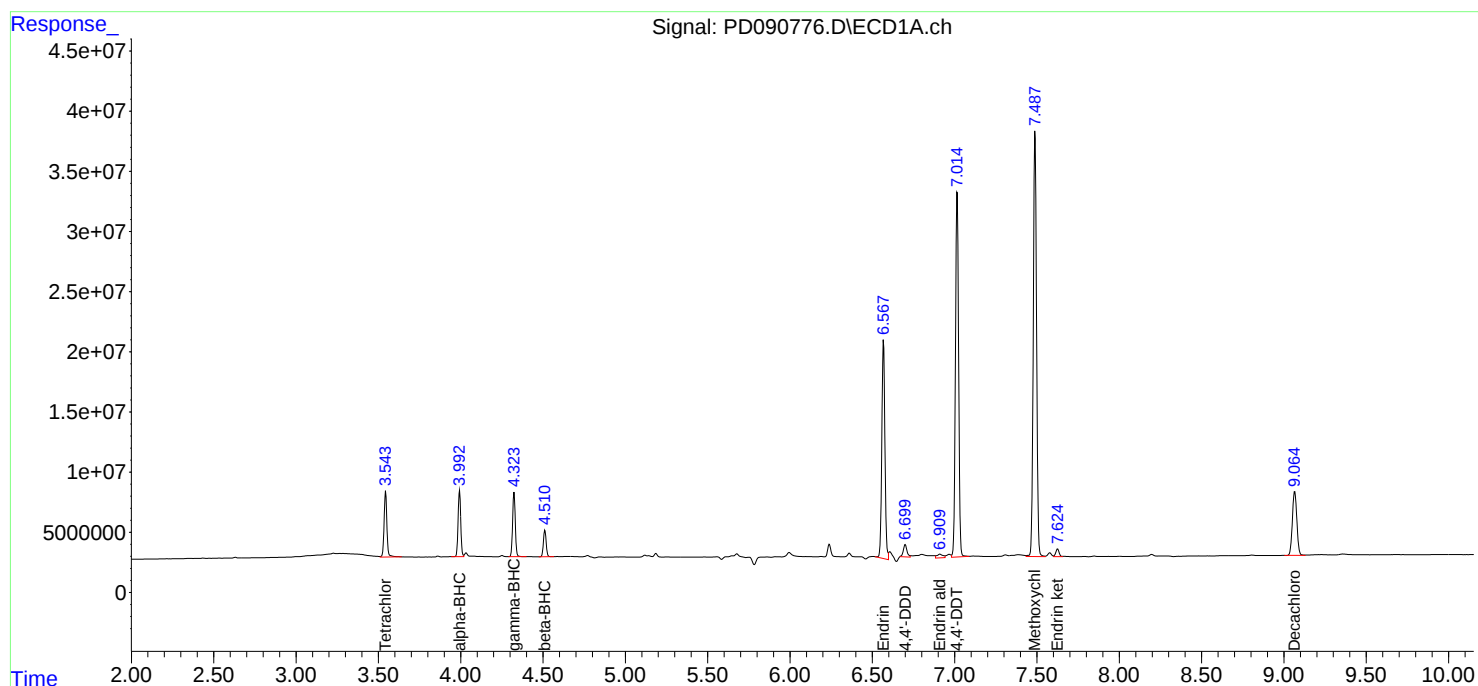
Instrument :
ECD_D
ClientSampleId :
PEM

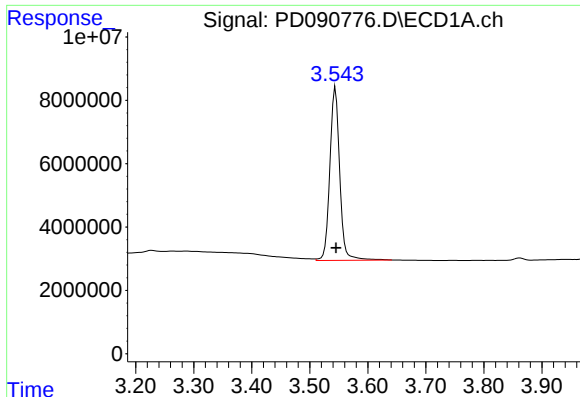
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:12:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 64542344
Conc: 20.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

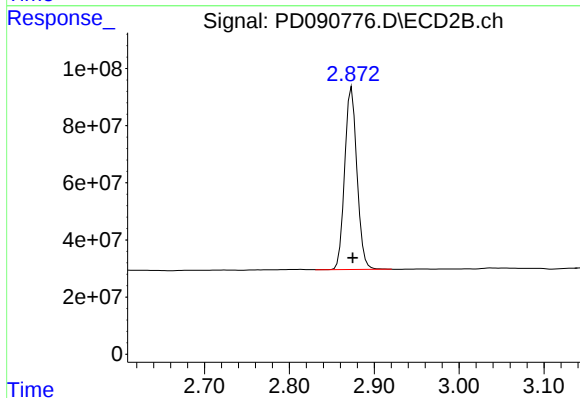
PEM

Manual Integrations

APPROVED

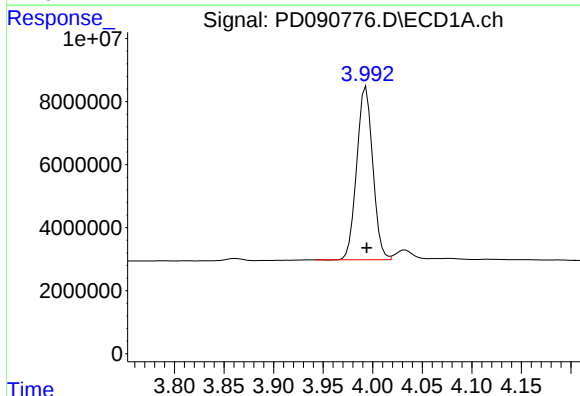
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



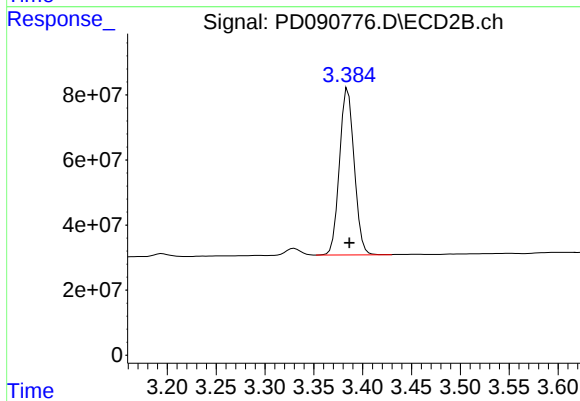
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 639061581
Conc: 21.46 ng/ml



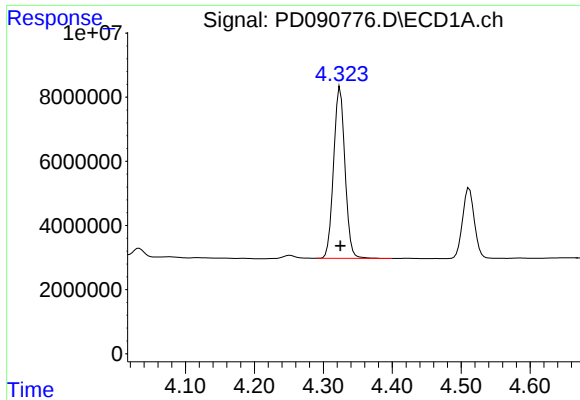
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 61919576
Conc: 8.63 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 537576271
Conc: 10.52 ng/ml



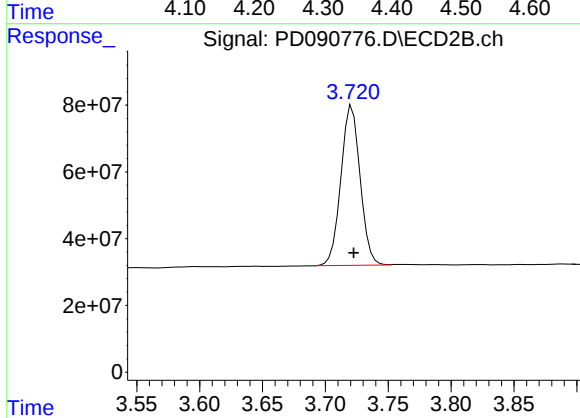
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 61129232
Conc: 8.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

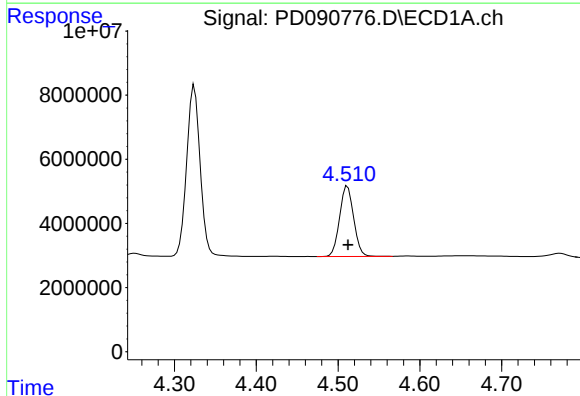
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



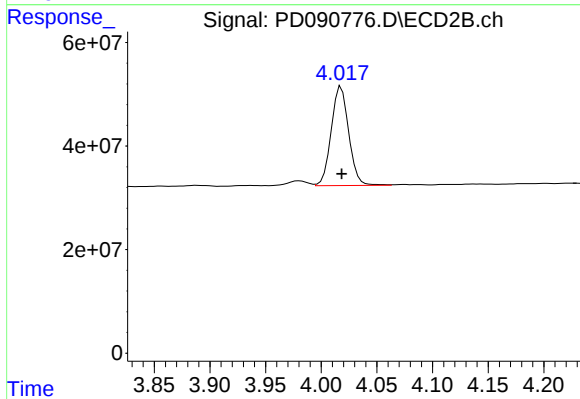
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 508804323
Conc: 10.77 ng/ml



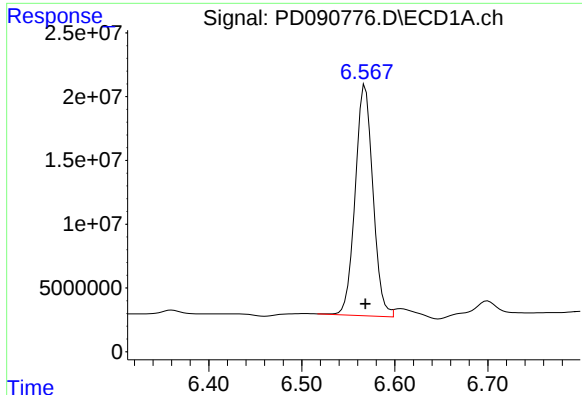
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26171904
Conc: 9.99 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 209240049
Conc: 10.55 ng/ml



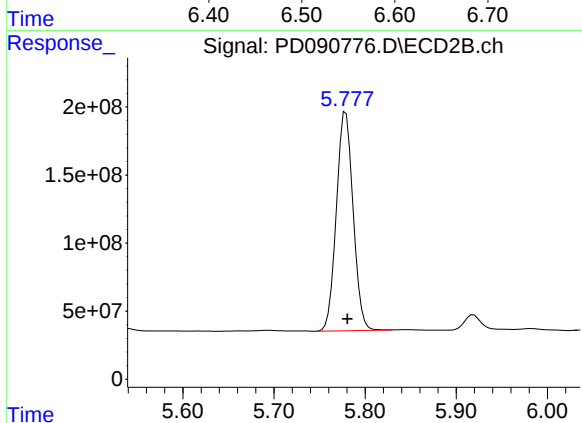
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 239991902
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

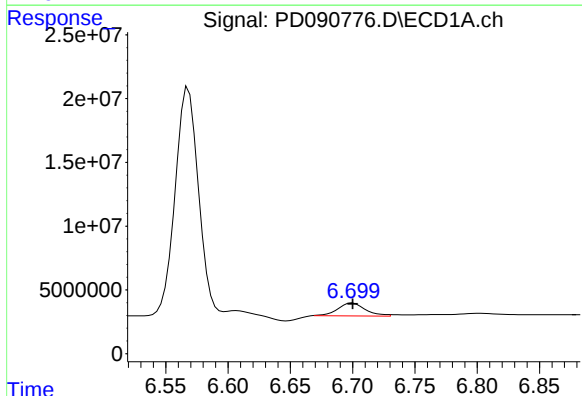
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



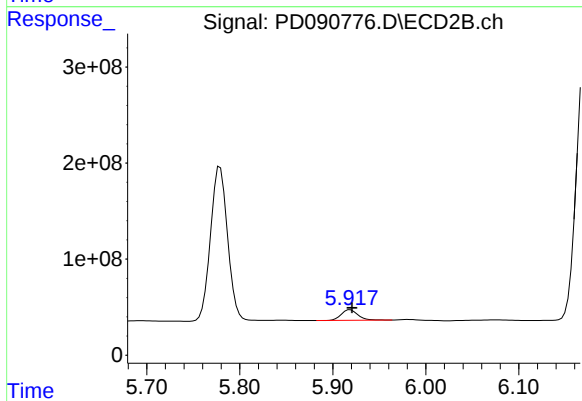
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2052870622
Conc: 50.70 ng/ml



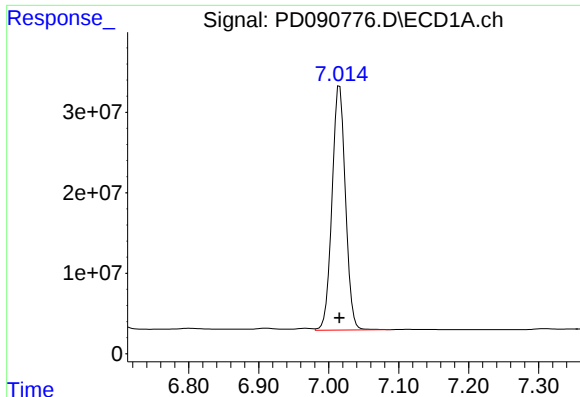
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 15925895
Conc: 3.93 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 138414214
Conc: 3.80 ng/ml



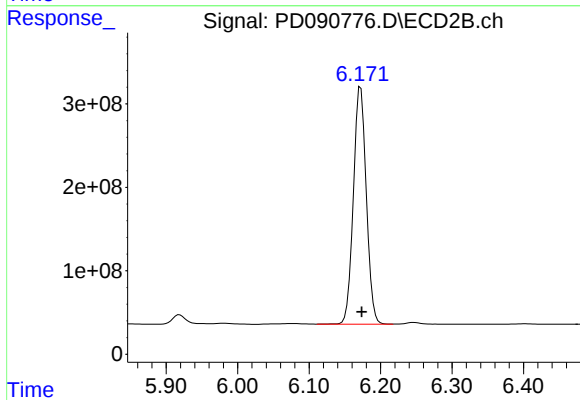
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 404041246
Conc: 98.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

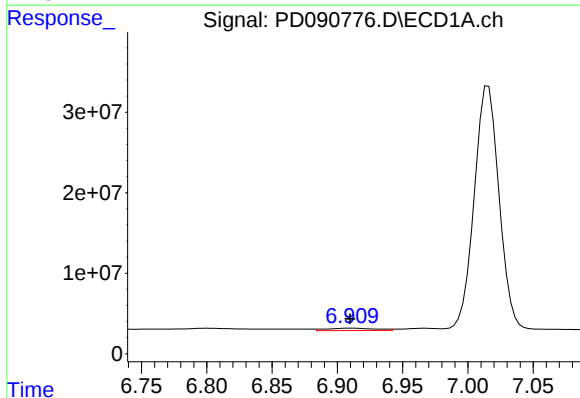
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



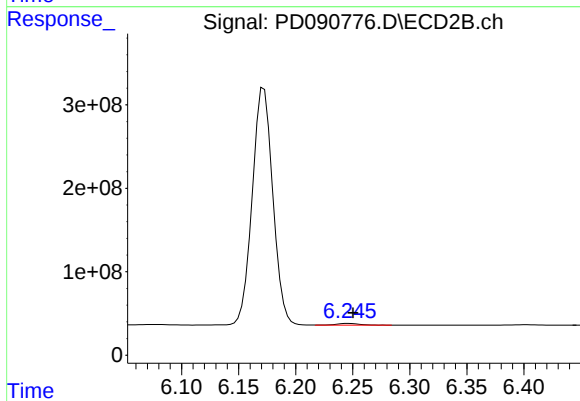
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3574649415
Conc: 101.92 ng/ml



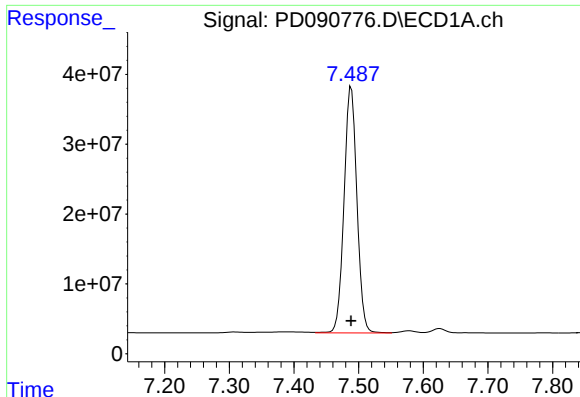
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 7655029
Conc: 2.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 28132388
Conc: 1.02 ng/ml



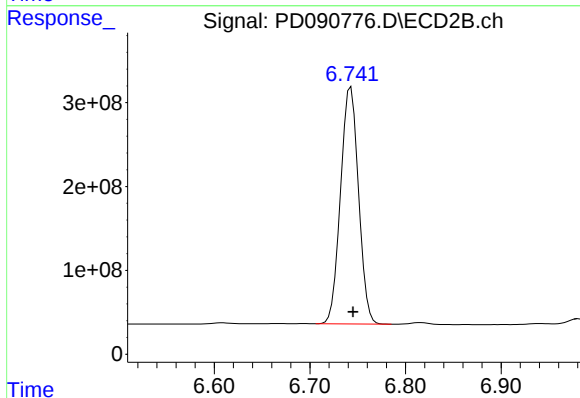
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 489204792
Conc: 230.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

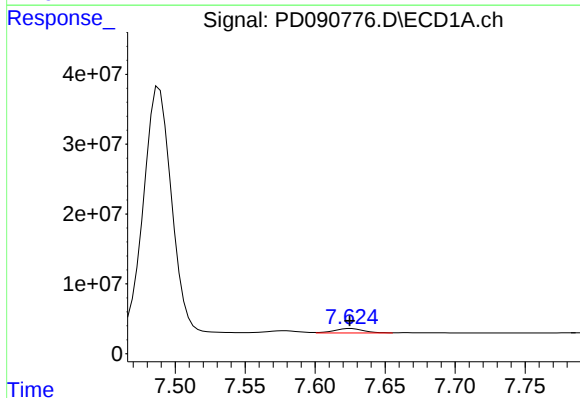
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



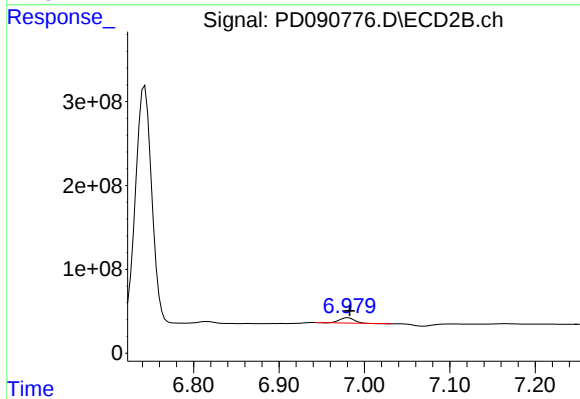
#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3699159084
Conc: 212.26 ng/ml



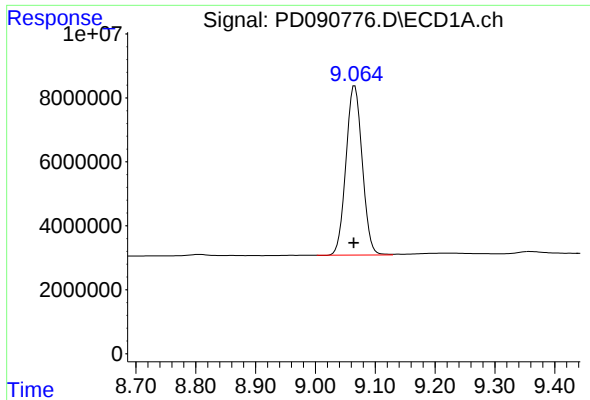
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 9080276
Conc: 1.87 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 74975964
Conc: 1.99 ng/ml



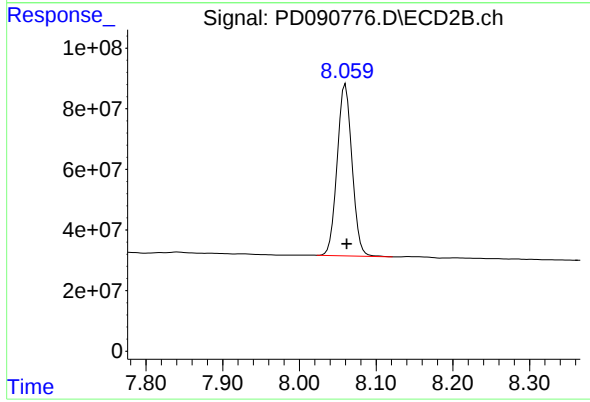
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 99943602
Conc: 21.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 762594665
Conc: 25.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Title : GC Extractables
Last Update : Fri Oct 17 17:43:28 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.940	100.00%
5.940	6.068	100.00%
6.068	6.190	100.00%
6.190	6.341	100.00%
6.341	7.144	100.00%
7.144	7.488	100.00%
7.488	7.625	100.00%
7.625	9.066	100.00%

Signal #2

2.874	5.116	100.00%
5.116	5.238	100.00%
5.238	5.366	100.00%
5.366	5.503	100.00%
5.503	6.474	100.00%
6.474	6.745	100.00%
6.745	6.983	100.00%
6.983	8.062	100.00%

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:20
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	55125186	545.1E6	17.701m	18.307
28)	SA Decachlor...	9.066	8.062	88858238	547.9E6	18.995	18.088
Target Compounds							
9)	A Endosulfan I	6.068	5.238	43926319	330.7E6	7.934	8.397
10)	B gamma-Chl...	5.940	5.116	47696248	387.3E6	8.042	8.616
12)	B 4,4'-DDE	6.190	5.366	86477351	754.1E6	16.235	17.202
13)	MA Dieldrin	6.341	5.503	92552800	748.0E6	15.872	16.930
19)	B Endosulfa...	7.144	6.474	76754913	612.1E6	16.548	17.078
20)	A Methoxychlor	7.488	6.745	169.7E6	1331.6E6	79.844	76.409
21)	B Endrin ke...	7.625	6.983	80182457	638.1E6	16.502	16.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

RESCHK

Manual Integrations

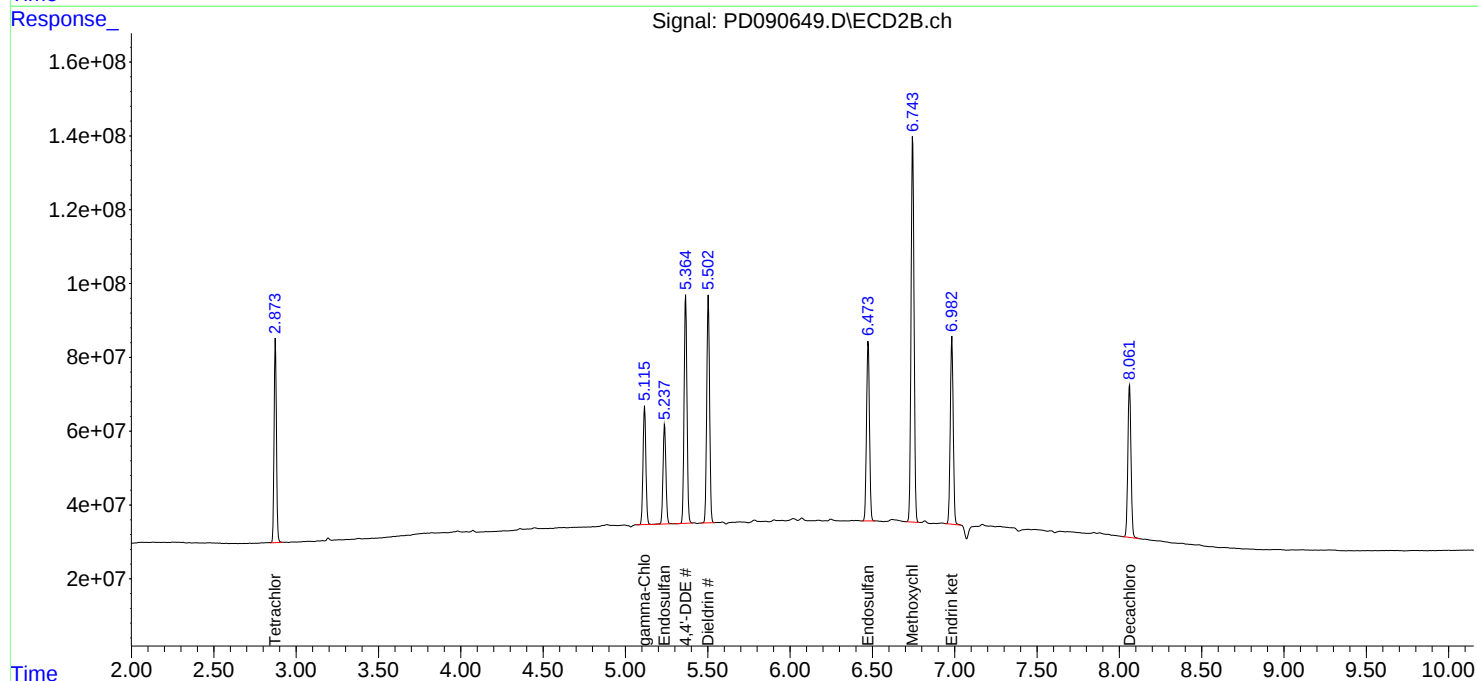
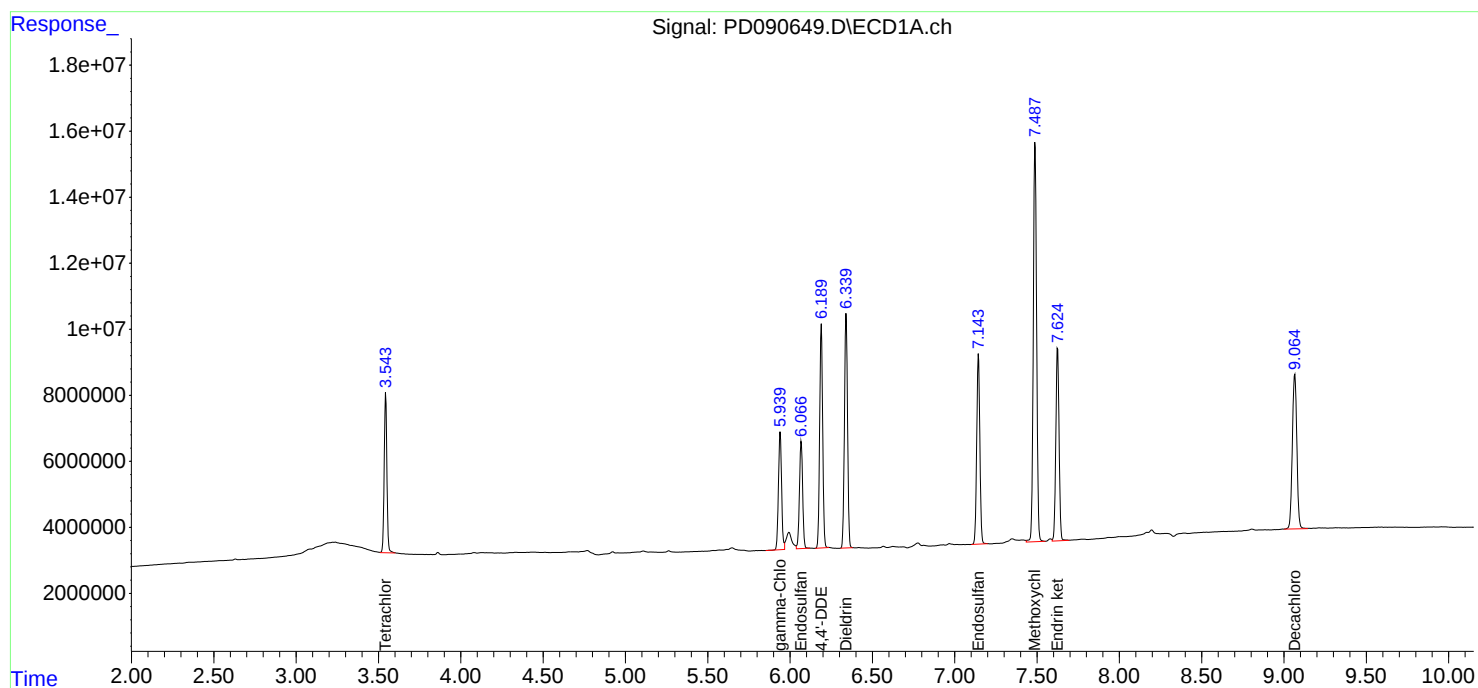
APPROVED

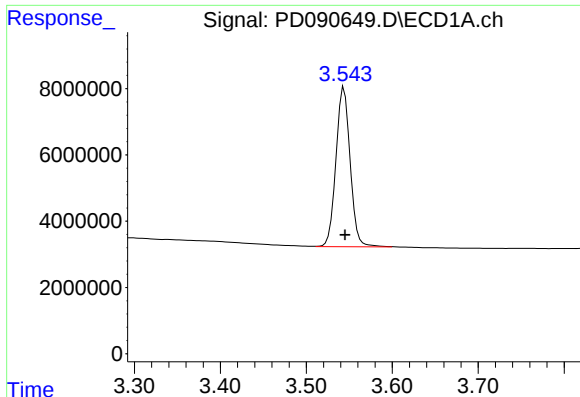
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





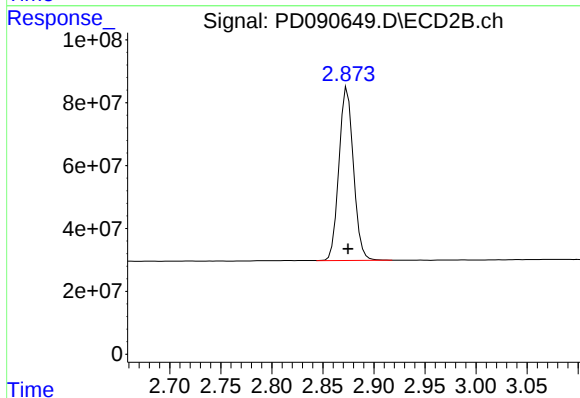
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 55125186
Conc: 17.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

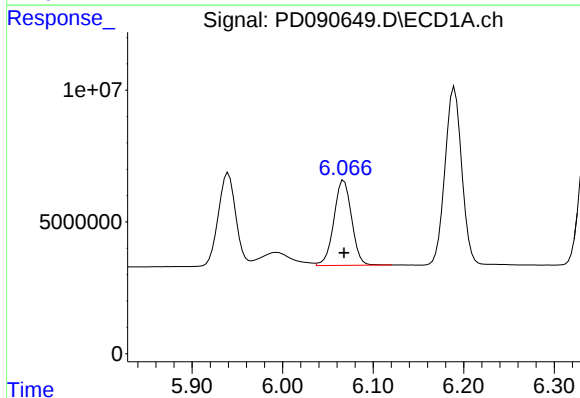
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



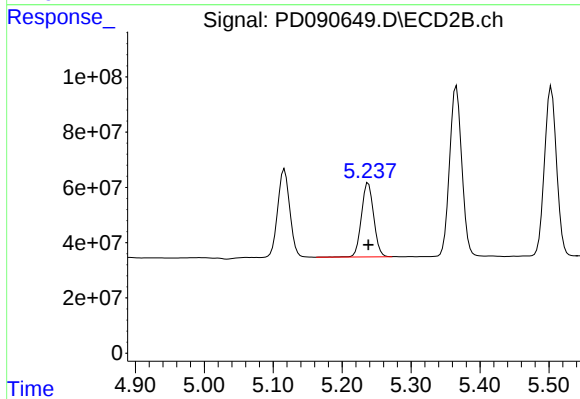
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 545126372
Conc: 18.31 ng/ml



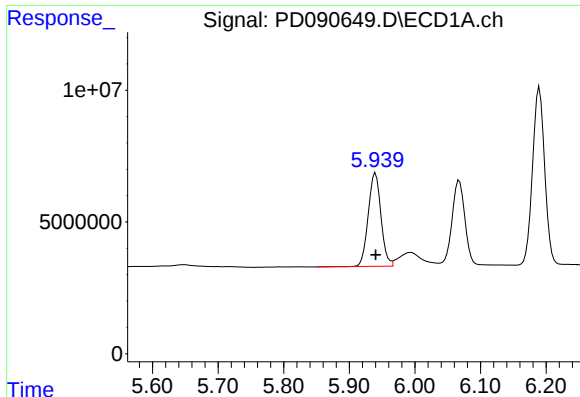
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 43926319
Conc: 7.93 ng/ml



#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 330745194
Conc: 8.40 ng/ml



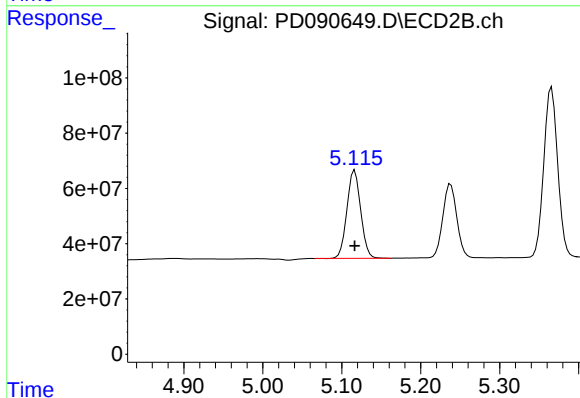
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 47696248
Conc: 8.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

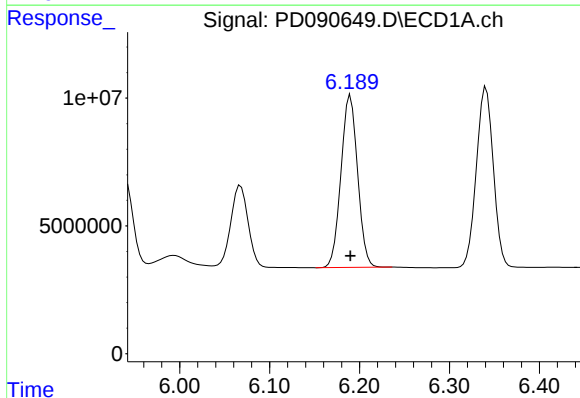
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



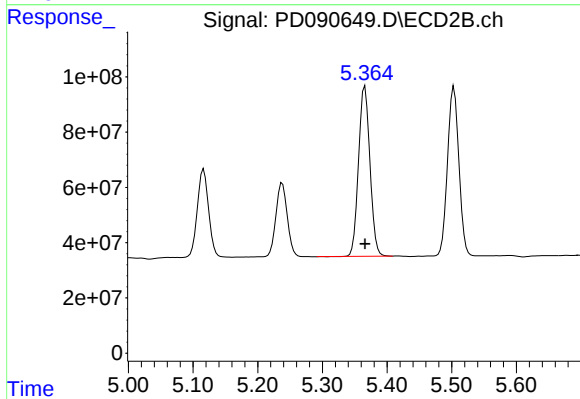
#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 387274886
Conc: 8.62 ng/ml



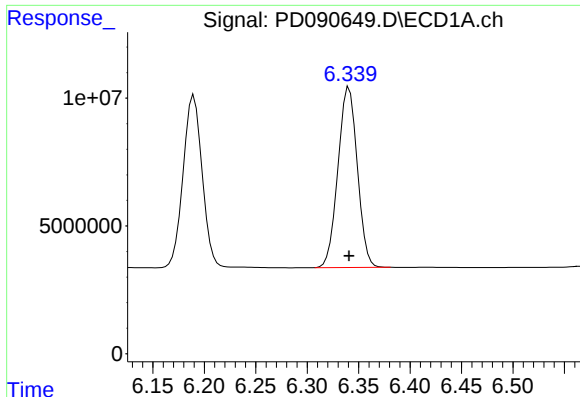
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 86477351
Conc: 16.23 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 754114700
Conc: 17.20 ng/ml



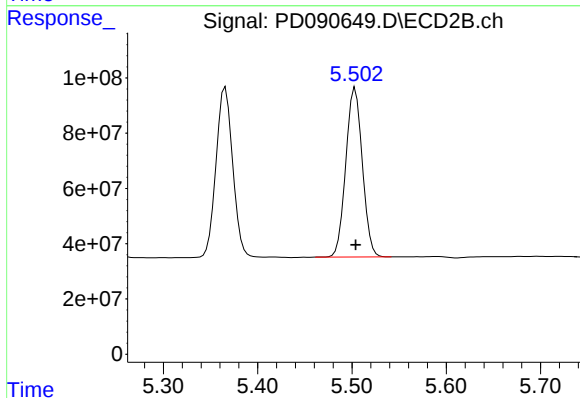
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 92552800
Conc: 15.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

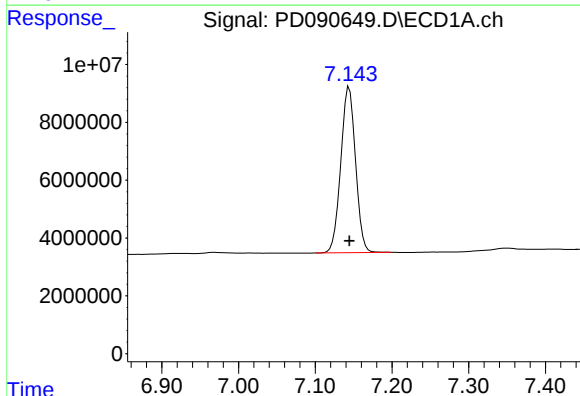
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



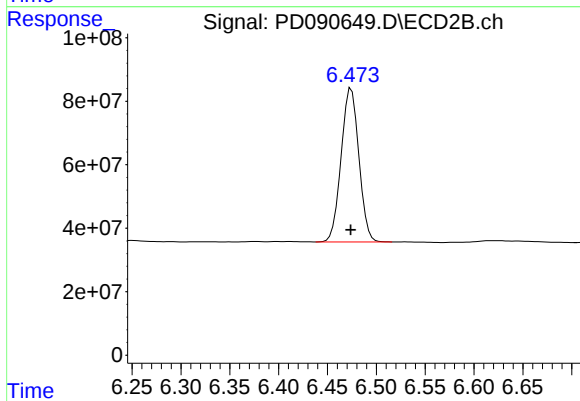
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 748035470
Conc: 16.93 ng/ml



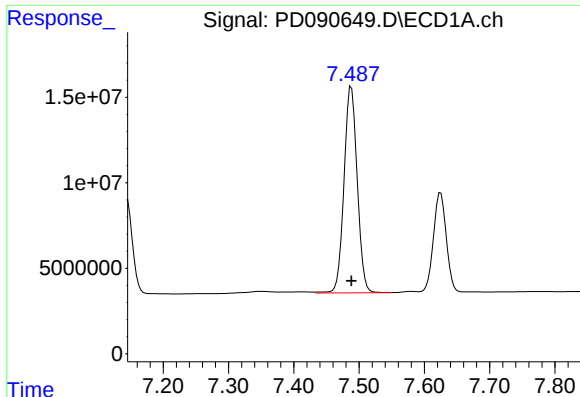
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 76754913
Conc: 16.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 612147653
Conc: 17.08 ng/ml



#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 169715831
Conc: 79.84 ng/ml

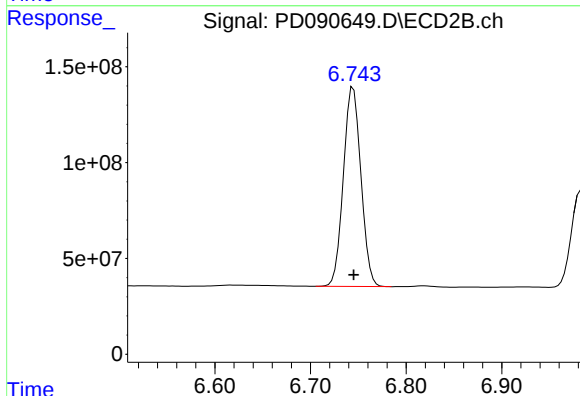
Instrument :

ECD_D

ClientSampleId :
RESCHK

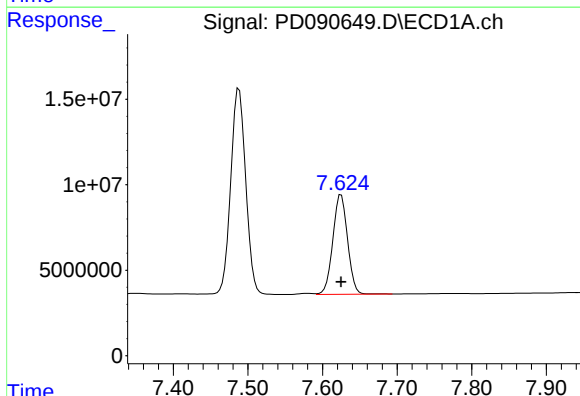
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



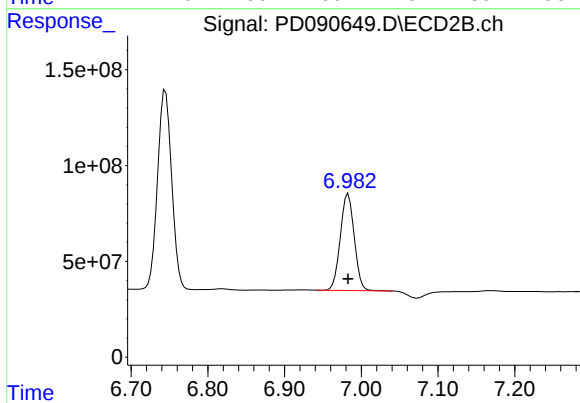
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1331648566
Conc: 76.41 ng/ml



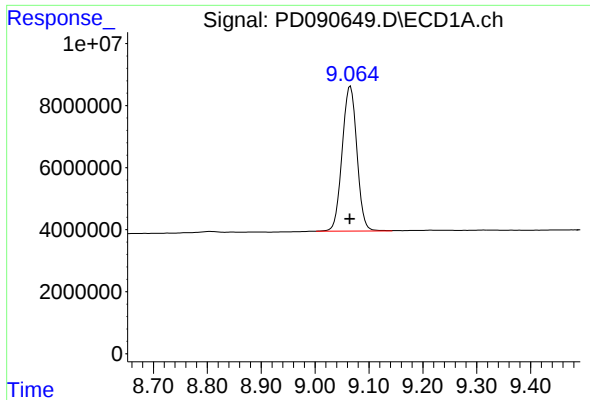
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 80182457
Conc: 16.50 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 638061752
Conc: 16.92 ng/ml



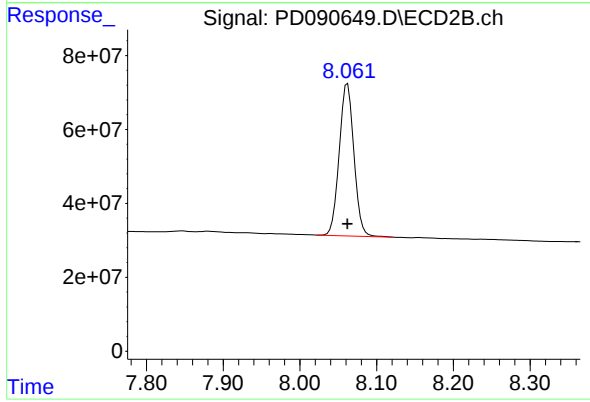
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 88858238
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 547910430
Conc: 18.09 ng/ml

Analytical Sequence

Client: AECOM	SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
IBLK	IBLK	10/23/2025	09:24	PD090775.D	9.07	3.54
PEM	PEM	10/23/2025	09:38	PD090776.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	9.07	3.54
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	9.08	3.55
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	9.07	3.54
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	9.07	3.54
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	9.07	3.54
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	9.07	3.54
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	9.07	3.54
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	9.07	3.54
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	9.07	3.54
IBLK	IBLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54

Analytical Sequence

Client: AECOM	SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/23/2025	09:24	PD090775.D	8.06	2.87
PEM	PEM	10/23/2025	09:38	PD090776.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	8.06	2.87
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	8.06	2.87
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	8.06	2.87
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	8.06	2.87
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	8.06	2.87
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	8.06	2.87
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	8.06	2.87
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	8.06	2.87
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	8.06	2.87
IBLK	IBLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025

10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	16.8	0
	2	5.92	5.87	5.97	16.8	
4,4'-DDE	1	6.19	6.14	6.24	15.1	8.3
	2	5.36	5.31	5.41	16.4	
4,4'-DDT	1	7.02	6.97	7.07	16.3	4.2
	2	6.17	6.12	6.22	17.0	
alpha-BHC	1	3.99	3.94	4.04	15.4	1.9
	2	3.38	3.33	3.43	15.7	
Aldrin	1	5.26	5.21	5.31	15.4	3.2
	2	4.36	4.31	4.41	15.9	
alpha-Chlordane	1	6.02	5.97	6.07	15.5	3.2
	2	5.18	5.13	5.23	16.0	
Endosulfan II	1	6.78	6.73	6.83	16.2	2.4
	2	6.07	6.02	6.12	16.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	6.8
	2	6.47	6.42	6.52	16.7	
beta-BHC	1	4.51	4.46	4.56	15.1	3.3
	2	4.02	3.97	4.07	15.6	
delta-BHC	1	4.76	4.71	4.81	15.6	1.9
	2	4.25	4.20	4.30	15.9	
Endosulfan I	1	6.07	6.02	6.12	15.6	3.3
	2	5.24	5.19	5.29	15.1	
Dieldrin	1	6.34	6.29	6.39	15.7	3.8
	2	5.50	5.45	5.55	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	16.3	4.8
	2	6.25	6.20	6.30	17.1	
Methoxychlor	1	7.49	7.44	7.54	16.0	4.9
	2	6.74	6.69	6.79	16.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	16.1	8.3
	2	6.98	6.93	7.03	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.2	3.2
	2	3.72	3.67	3.77	15.7	
Heptachlor	1	4.92	4.87	4.97	18.2	11.6
	2	4.07	4.02	4.12	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	0.6
	2	4.86	4.81	4.91	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	15.3	5.1
	2	5.12	5.07	5.17	16.1	
Endrin	1	6.57	6.52	6.62	15.5	6.3
	2	5.78	5.73	5.83	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-02

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	1.50	40
	2	5.92	5.87	5.97	1.00	
4,4'-DDE	1	6.19	6.14	6.24	6.90	26.2
	2	5.36	5.31	5.41	5.30	
Dieldrin	1	6.34	6.29	6.39	0.42	101.6
	2	5.50	5.45	5.55	1.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-03MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	34.6	15.2
	2	5.92	5.87	5.97	29.7	
4,4'-DDE	1	6.19	6.14	6.24	36.6	8.8
	2	5.37	5.32	5.42	33.5	
Endosulfan II	1	6.78	6.73	6.83	31.1	0.6
	2	6.07	6.02	6.12	30.9	
4,4'-DDT	1	7.02	6.97	7.07	33.8	9
	2	6.17	6.12	6.22	30.9	
Endrin aldehyde	1	6.91	6.86	6.96	32.9	5.9
	2	6.25	6.20	6.30	31.0	
Endosulfan sulfate	1	7.14	7.09	7.19	32.5	5.4
	2	6.47	6.42	6.52	30.8	
Methoxychlor	1	7.49	7.44	7.54	33.5	4.6
	2	6.74	6.69	6.79	32.0	
Endrin ketone	1	7.63	7.58	7.68	33.7	11
	2	6.98	6.93	7.03	30.2	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.6
	2	3.39	3.34	3.44	28.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	8.8
	2	3.72	3.67	3.77	29.2	
Heptachlor	1	4.92	4.87	4.97	38.0	17.5
	2	4.07	4.02	4.12	31.9	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	27.9	3.5
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	6.7
	2	4.25	4.20	4.30	30.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-03MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.68	5.63	5.73	33.3	6.5
	2	4.86	4.81	4.91	31.2	
Endosulfan I	1	6.07	6.02	6.12	32.6	19.9
	2	5.24	5.19	5.29	26.7	
gamma-Chlordane	1	5.94	5.89	5.99	30.8	2.6
	2	5.11	5.06	5.16	31.6	
alpha-Chlordane	1	6.02	5.97	6.07	36.2	15.5
	2	5.18	5.13	5.23	31.0	
Dieldrin	1	6.34	6.29	6.39	32.7	4.1
	2	5.50	5.45	5.55	31.4	
Endrin	1	6.57	6.52	6.62	32.6	9.3
	2	5.78	5.73	5.83	29.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-04MSD

Date(s) Analyzed: 10/23/2025

10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	34.4	15.3
	2	5.92	5.87	5.97	29.5	
4,4'-DDT	1	7.02	6.97	7.07	34.0	9.9
	2	6.17	6.12	6.22	30.8	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.9
	2	3.39	3.34	3.44	28.6	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	26.3	9.4
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	7.3
	2	4.26	4.21	4.31	30.3	
Endosulfan I	1	6.07	6.02	6.12	31.9	18.5
	2	5.24	5.19	5.29	26.5	
alpha-Chlordane	1	6.02	5.97	6.07	31.4	1.9
	2	5.18	5.13	5.23	30.8	
4,4'-DDE	1	6.19	6.14	6.24	37.2	10.8
	2	5.37	5.32	5.42	33.4	
Dieldrin	1	6.34	6.29	6.39	32.9	4.7
	2	5.50	5.45	5.55	31.4	
Endosulfan II	1	6.78	6.73	6.83	31.5	1.3
	2	6.07	6.02	6.12	31.1	
Endrin aldehyde	1	6.91	6.86	6.96	32.8	6.3
	2	6.25	6.20	6.30	30.8	
Endosulfan sulfate	1	7.15	7.10	7.20	32.5	6
	2	6.47	6.42	6.52	30.6	
Methoxychlor	1	7.49	7.44	7.54	33.2	2.1
	2	6.74	6.69	6.79	32.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-04MSD

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	34.1	13.1
	2	6.98	6.93	7.03	29.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	9.2
	2	3.72	3.67	3.77	29.1	
Heptachlor	1	4.92	4.87	4.97	38.1	17.4
	2	4.07	4.02	4.12	32.0	
Heptachlor epoxide	1	5.69	5.64	5.74	32.4	5.4
	2	4.86	4.81	4.91	30.7	
gamma-Chlordane	1	5.94	5.89	5.99	31.0	1
	2	5.12	5.07	5.17	31.3	
Endrin	1	6.57	6.52	6.62	32.1	9.8
	2	5.78	5.73	5.83	29.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S09-000051-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-01

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-Chlordane	1	5.94	5.89	5.99	0.49	10.8
	2	5.12	5.07	5.17	0.44	
4,4'-DDE	1	6.19	6.14	6.24	1.10	40.5
	2	5.36	5.31	5.41	0.73	



QC SAMPLE DATA

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



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

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BL		SDG No.:	Q3395
Lab Sample ID:	PB170213BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/23/25 13:16	PB170213
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/23/25 13:16	PB170213
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/23/25 13:16	PB170213
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			20 - 144	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.1			19 - 148	101%	SPK: 20		

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\PD102325\
Data File : PD090778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 13:16
Operator : AR\AJ
Sample : PB170213BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170213BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:12:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.873	58342131	598.6E6	18.734	20.102
28)	SA Decachlor...	9.077	8.063	96681183	720.7E6	20.667	23.791

Target Compounds

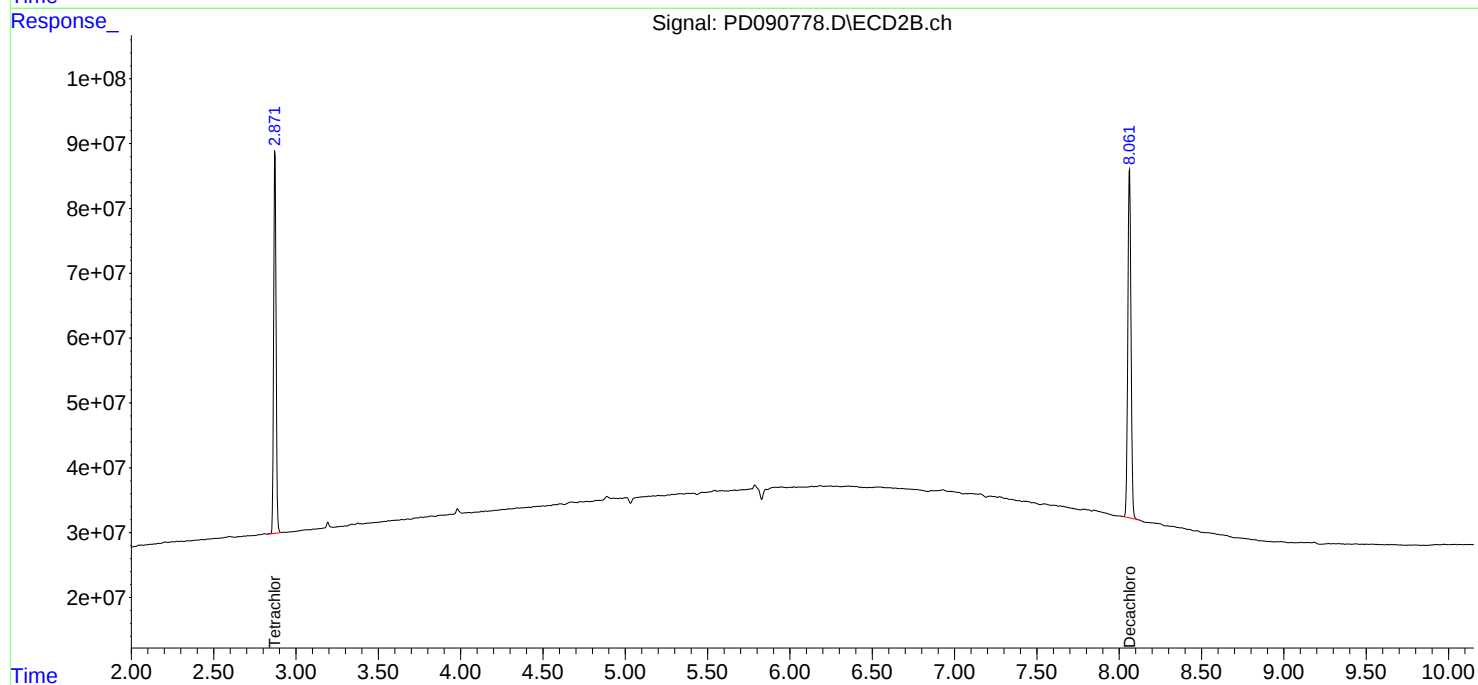
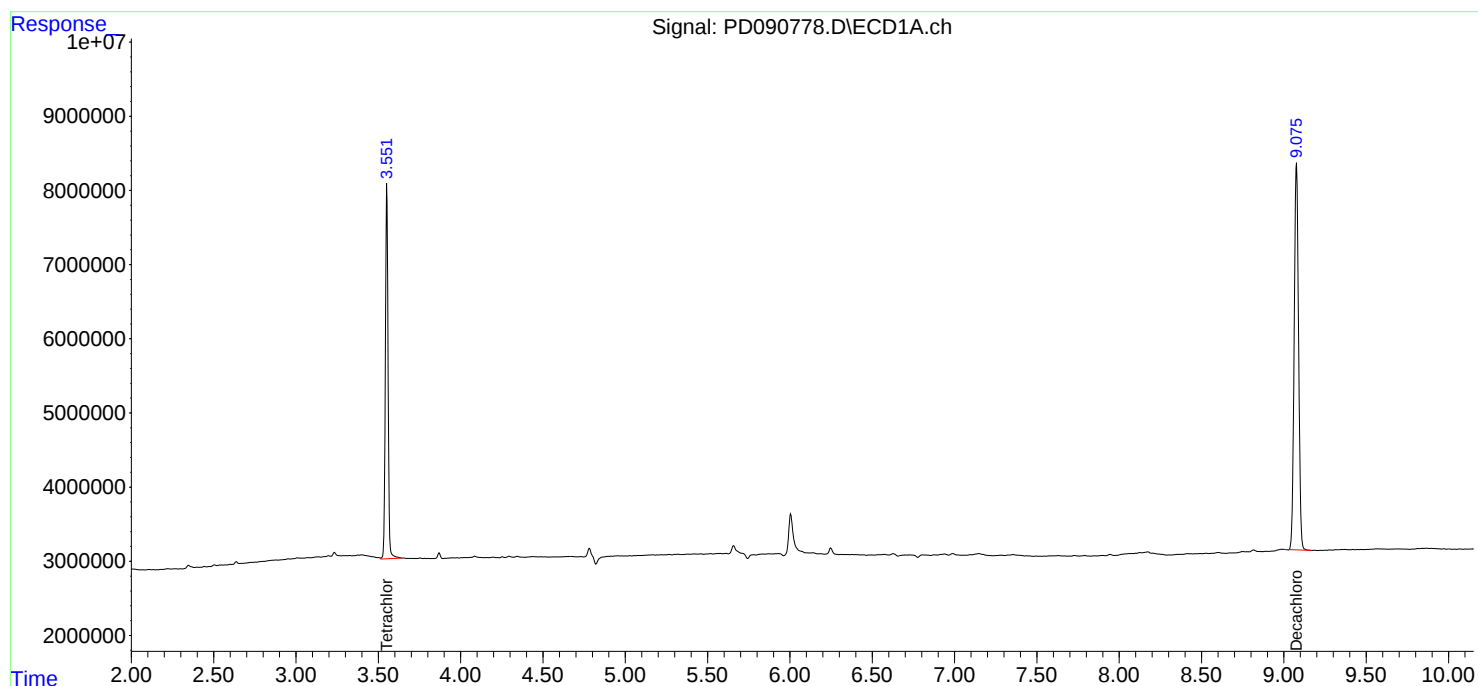
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

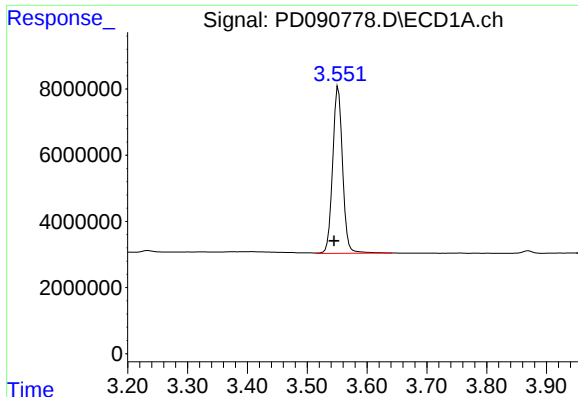
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 13:16
Operator : AR\AJ
Sample : PB170213BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170213BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:12:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

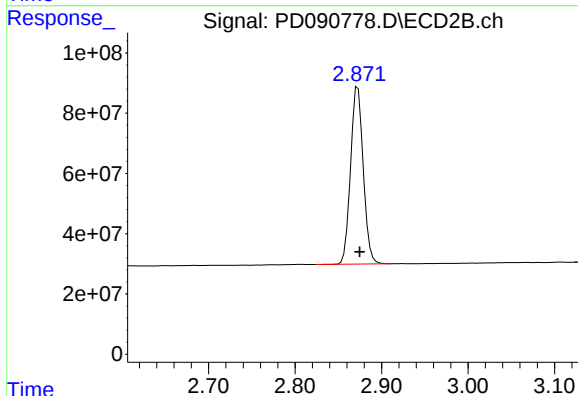




#1 Tetrachloro-m-xylene

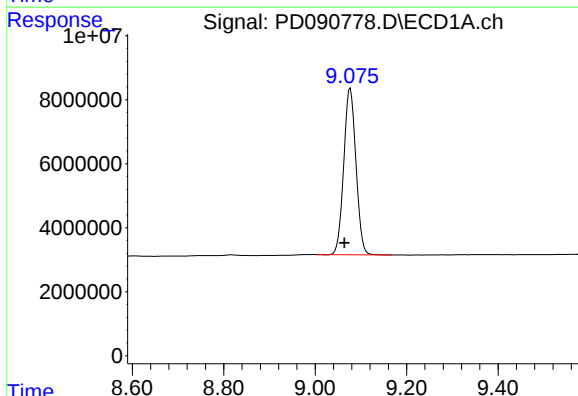
R.T.: 3.552 min
Delta R.T.: 0.007 min
Response: 58342131
Conc: 18.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BL



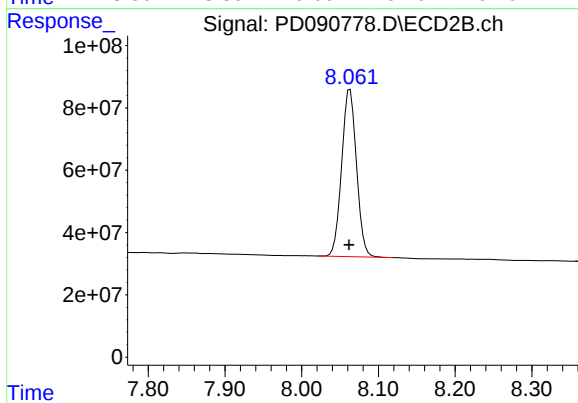
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 598575169
Conc: 20.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.013 min
Response: 96681183
Conc: 20.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.001 min
Response: 720654772
Conc: 23.79 ng/ml

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D		SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090647.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
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: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	60526543	594.5E6	19.436	19.964
28)	SA Decachlor...	9.066	8.062	99514776	616.2E6	21.273	20.342

Target Compounds

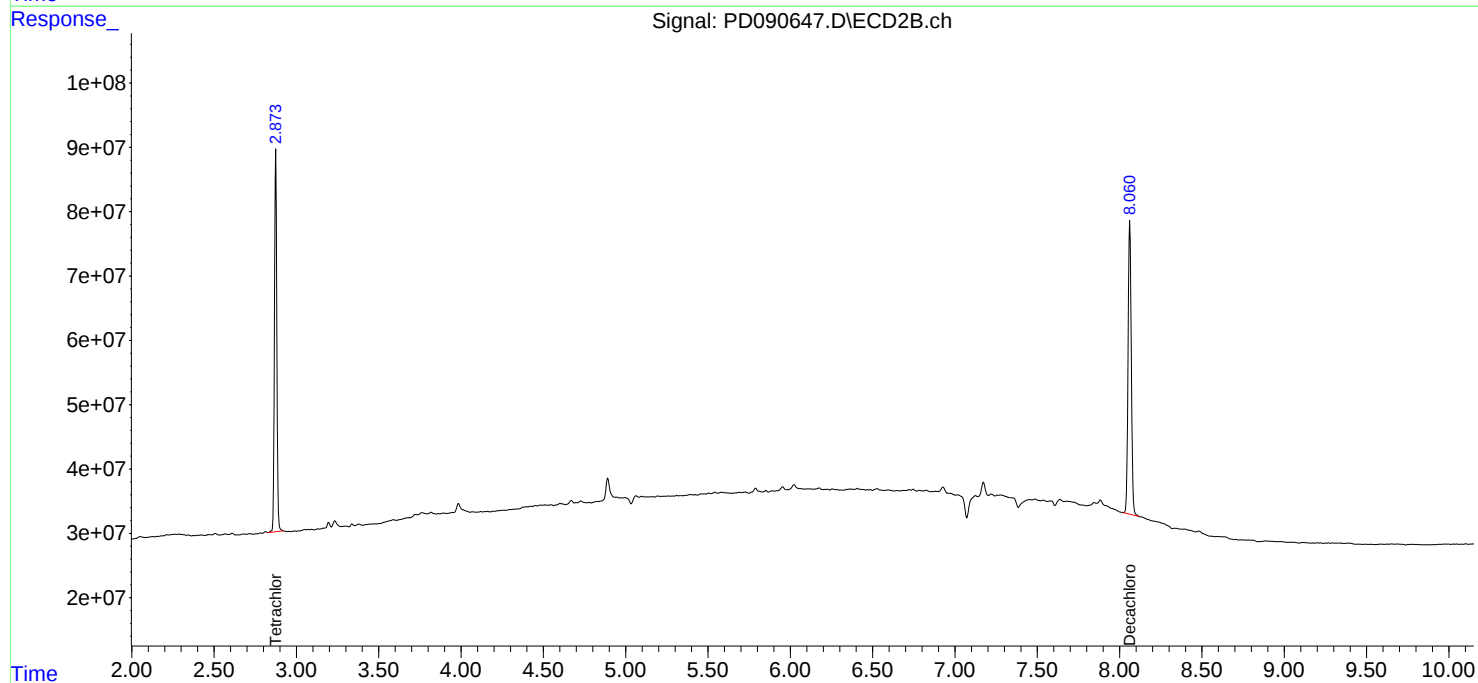
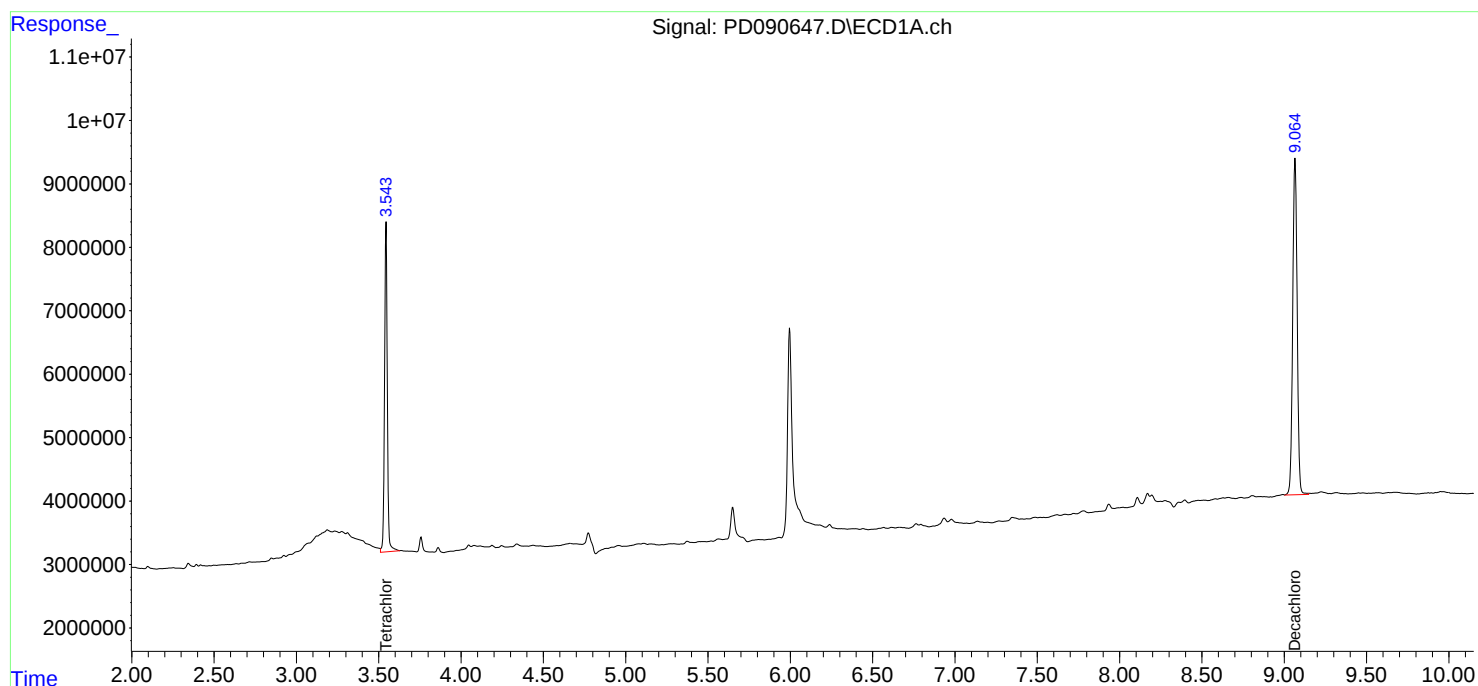
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

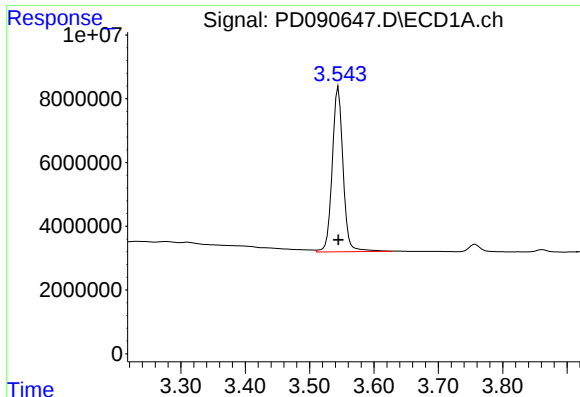
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

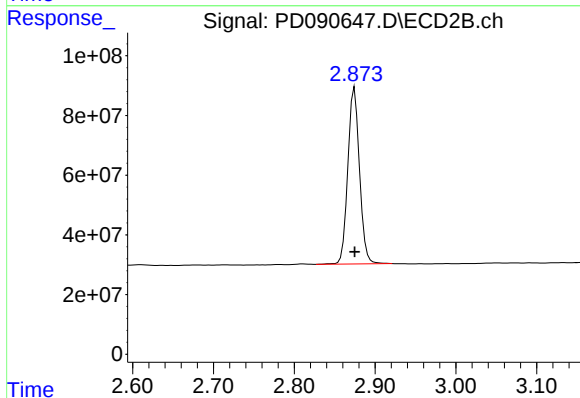




#1 Tetrachloro-m-xylene

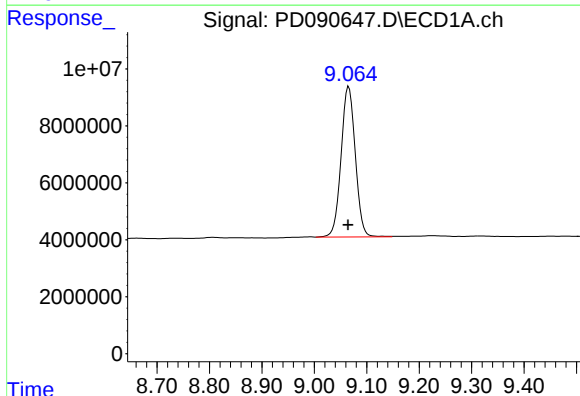
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60526543
Conc: 19.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



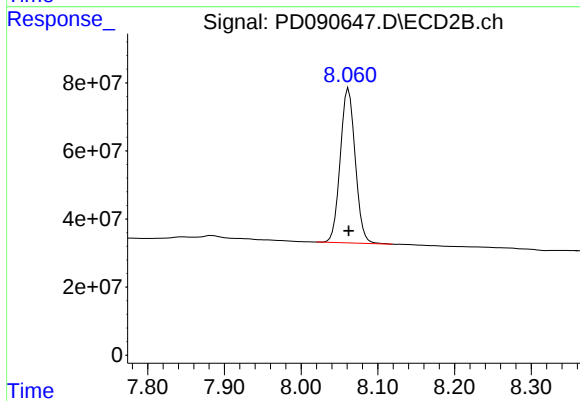
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 594475365
Conc: 19.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 99514776
Conc: 21.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 616188932
Conc: 20.34 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/23/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/23/25	
Client Sample ID: PIBLK-PD090775.D	SDG No.: Q3395	
Lab Sample ID: I.BLK-PD090775.D	Matrix: WATER	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	124%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
Data File : PD090775.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:24
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: Oct 24 06:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.873	63181414	629.7E6	20.288	21.148
28)	SA Decachlor...	9.066	8.061	101.6E6	753.4E6	21.711	24.872

Target Compounds

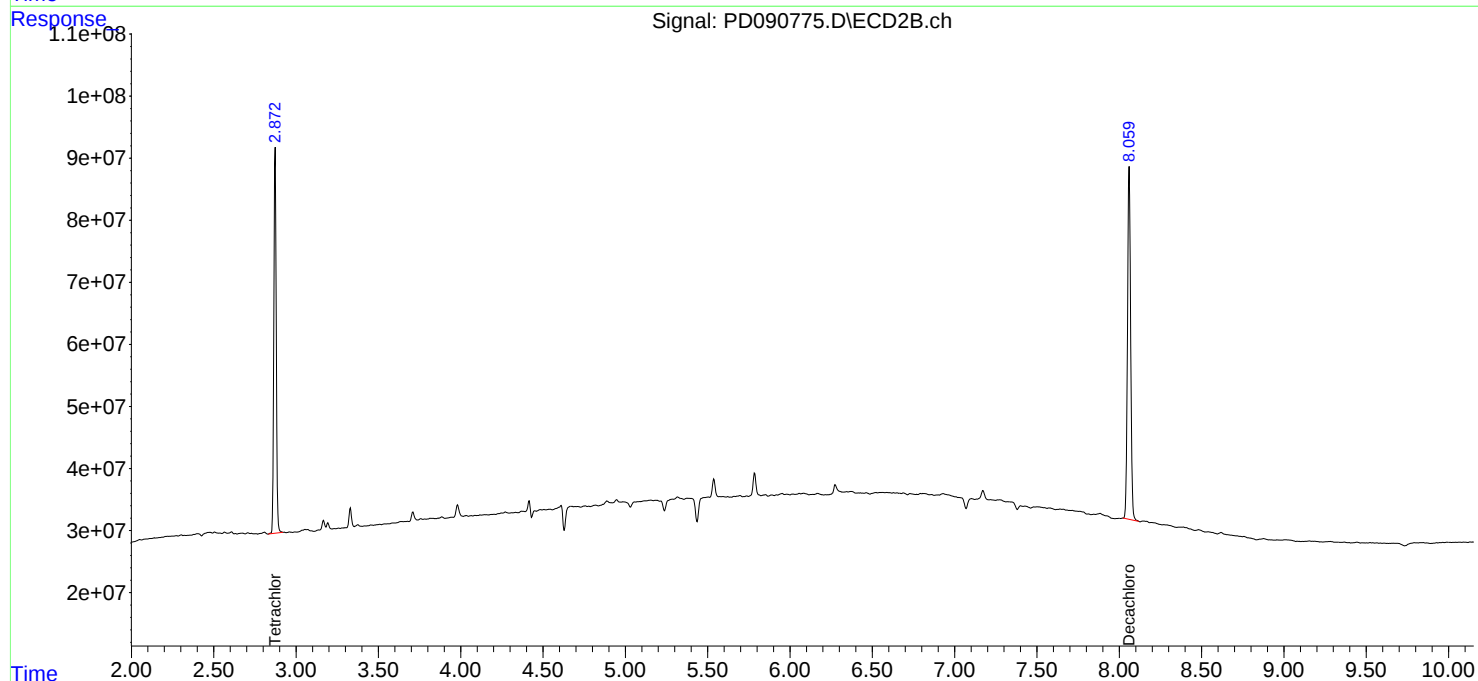
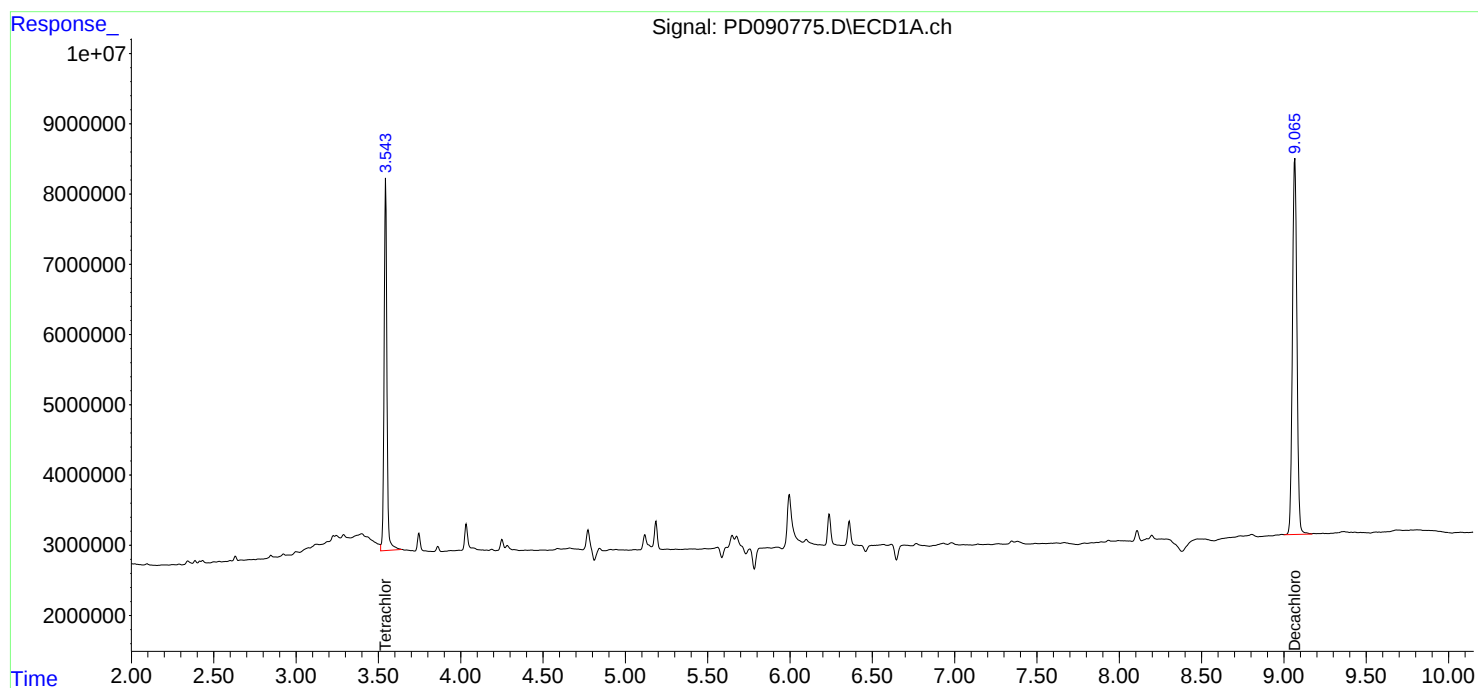
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090775.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

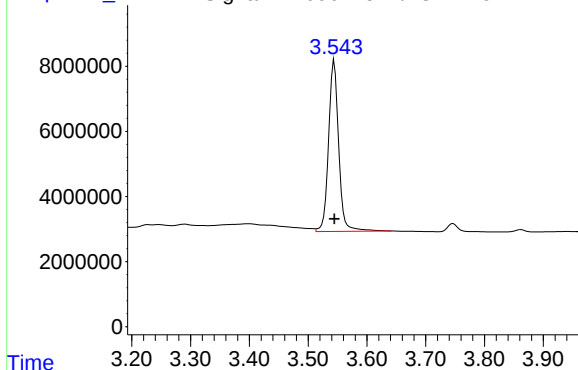
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090775.D\ECD1A.ch

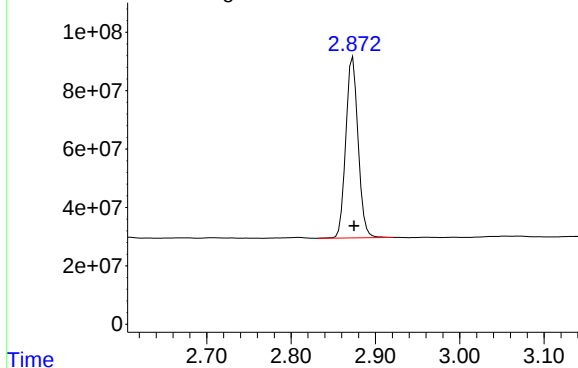


#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 63181414
Conc: 20.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

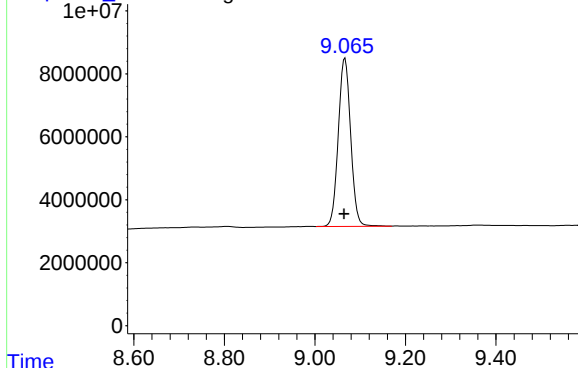
Response_ Signal: PD090775.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 629736816
Conc: 21.15 ng/ml

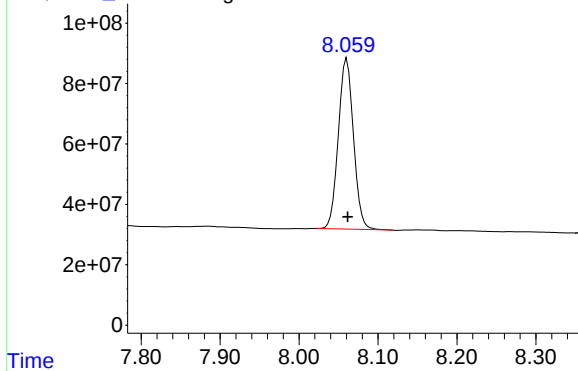
Response_ Signal: PD090775.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 101565237
Conc: 21.71 ng/ml

Response_ Signal: PD090775.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 753407959
Conc: 24.87 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/23/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/23/25	
Client Sample ID: PIBLK-PD090788.D	SDG No.: Q3395	
Lab Sample ID: I.BLK-PD090788.D	Matrix: WATER	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.5			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
Data File : PD090788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:38
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: Oct 24 06:15:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	62243044	618.6E6	19.987	20.774
28)	SA Decachlor...	9.066	8.060	97868417	711.5E6	20.921	23.489

Target Compounds

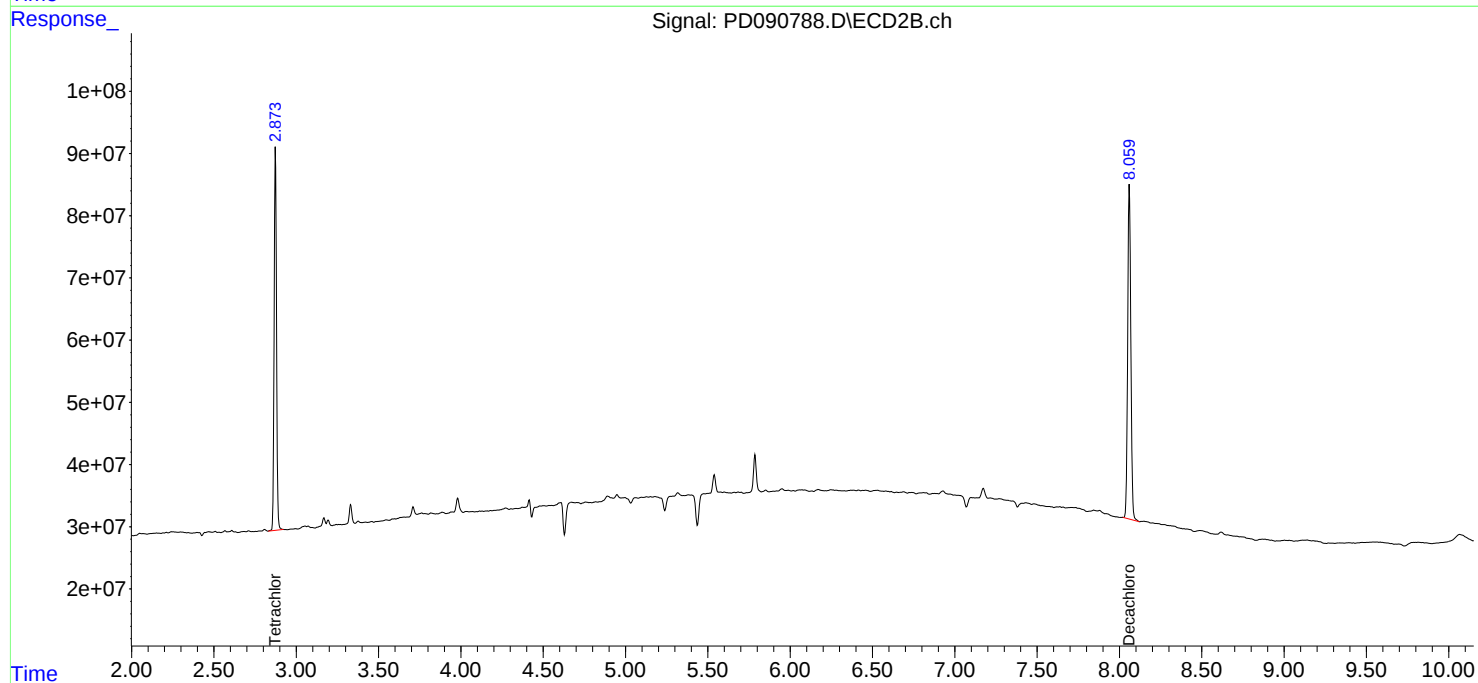
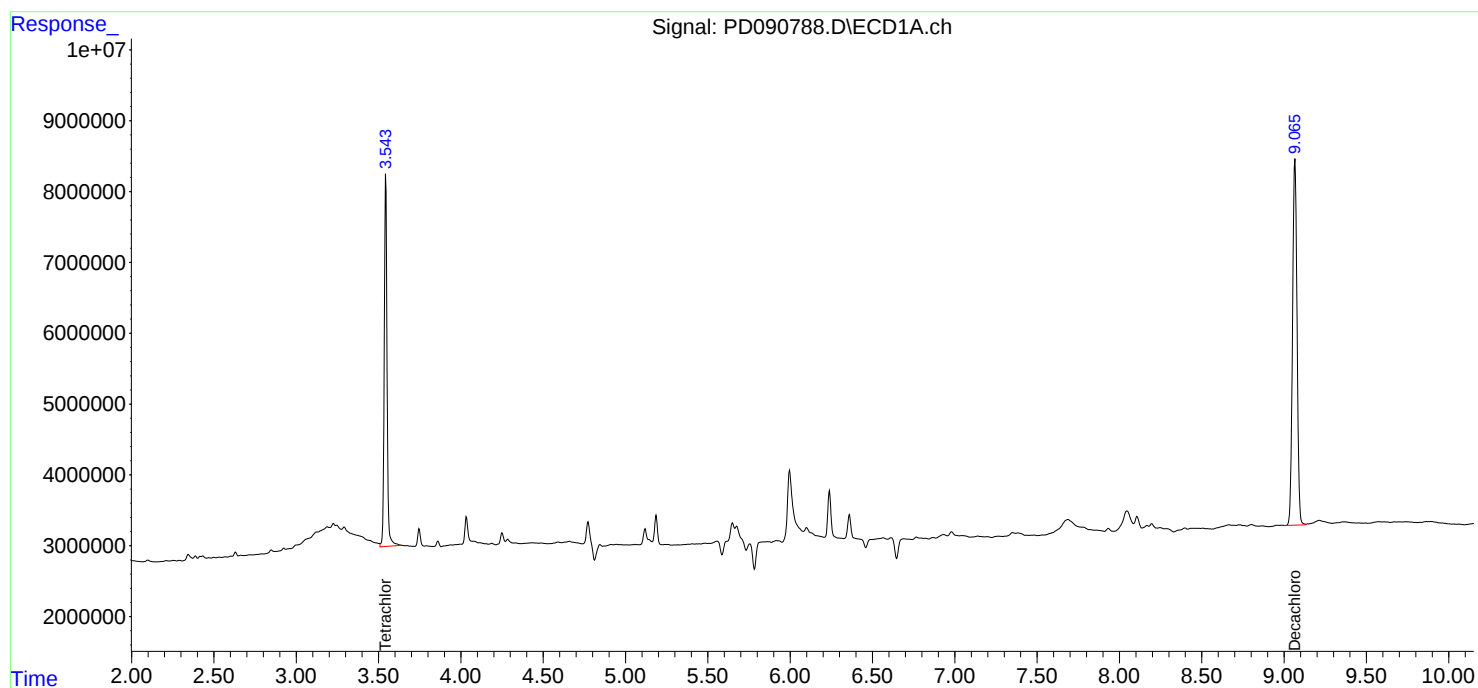
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

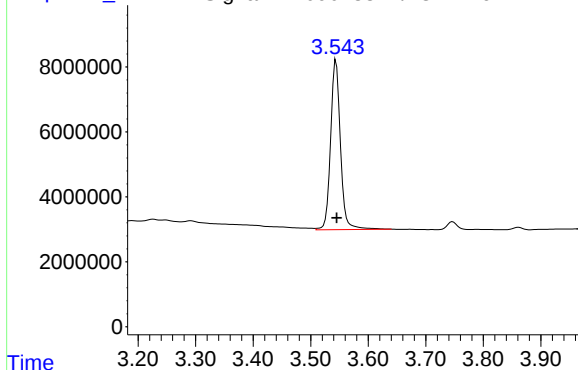
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:15:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090788.D\ECD1A.ch

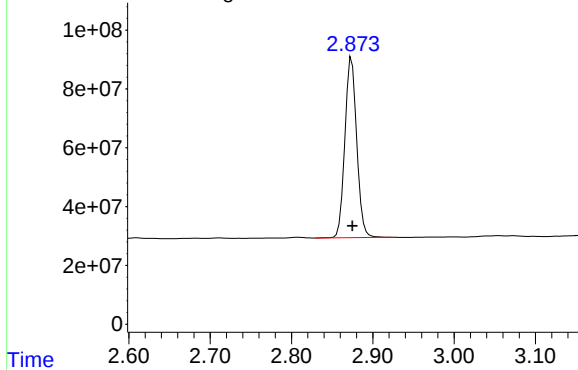


#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 62243044
Conc: 19.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

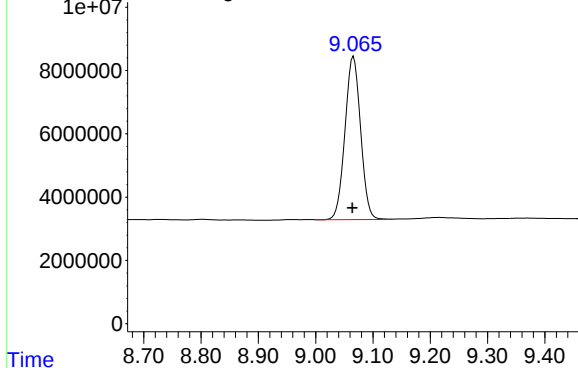
Response_ Signal: PD090788.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 618601979
Conc: 20.77 ng/ml

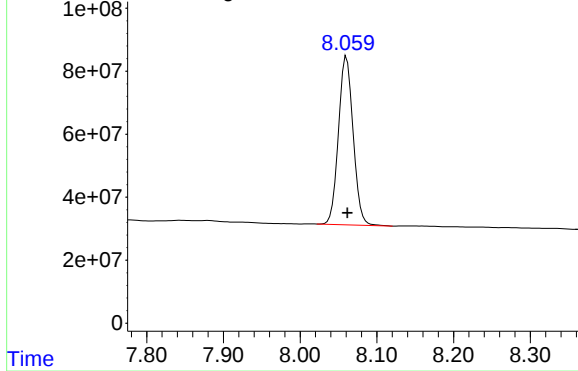
Response_ Signal: PD090788.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 97868417
Conc: 20.92 ng/ml

Response_ Signal: PD090788.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.001 min
Response: 711503271
Conc: 23.49 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BS		SDG No.:	Q3395
Lab Sample ID:	PB170213BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
319-85-7	beta-BHC	15.6		1	0.18	1.70	ug/kg	10/23/25 13:30	PB170213
319-86-8	delta-BHC	15.9		1	0.39	1.70	ug/kg	10/23/25 13:30	PB170213
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
959-98-8	Endosulfan I	15.6		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-20-8	Endrin	16.5		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
33213-65-9	Endosulfan II	16.6		1	0.29	1.70	ug/kg	10/23/25 13:30	PB170213
72-54-8	4,4-DDD	16.8		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
1031-07-8	Endosulfan Sulfate	16.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
50-29-3	4,4-DDT	17.0		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-43-5	Methoxychlor	16.8		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
53494-70-5	Endrin ketone	17.5		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
7421-93-4	Endrin aldehyde	17.1		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
5103-74-2	gamma-Chlordane	16.1		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	26.0			20 - 144	130%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.3			19 - 148	91%	SPK: 20		

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\PD102325\
 Data File : PD090779.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 13:30
 Operator : AR\AJ
 Sample : PB170213BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170213BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:12:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.873	54886223	543.9E6	17.625	18.266
28)	SA Decachlor...	9.067	8.060	103.2E6	787.2E6	22.071	25.986
Target Compounds							
2)	A alpha-BHC	3.994	3.384	332.1E6	2403.3E6	46.269	47.036
3)	MA gamma-BHC...	4.324	3.720	311.2E6	2233.5E6	45.775	47.271
4)	MA Heptachlor	4.923	4.072	305.8E6	2163.9E6	54.709	48.515
5)	MB Aldrin	5.264	4.358	303.1E6	2206.4E6	46.291	47.636
6)	B beta-BHC	4.512	4.017	118.5E6	926.9E6	45.234	46.744
7)	B delta-BHC	4.760	4.253	315.9E6	2278.3E6	46.716	47.746
8)	B Heptachlo...	5.684	4.862	276.3E6	2026.1E6	47.730	47.518
9)	A Endosulfan I	6.068	5.236	259.2E6	1792.0E6	46.811	45.492
10)	B gamma-Chl...	5.940	5.115	272.9E6	2174.8E6	46.003	48.383
11)	B alpha-Chl...	6.021	5.179	286.8E6	2076.8E6	46.404	48.143
12)	B 4,4'-DDE	6.190	5.364	240.9E6	2156.9E6	45.230	49.201
13)	MA Dieldrin	6.341	5.502	275.7E6	2168.7E6	47.283	49.082
14)	MA Endrin	6.568	5.779	231.0E6	2006.9E6	46.628	49.562
15)	B Endosulfa...	6.782	6.070	242.8E6	1866.9E6	48.561	49.711
16)	A 4,4'-DDD	6.701	5.918	205.1E6	1833.2E6	50.585	50.309
17)	MA 4,4'-DDT	7.016	6.172	200.8E6	1786.2E6	48.853	50.928
18)	B Endrin al...	6.911	6.248	179.4E6	1418.1E6	48.985	51.208
19)	B Endosulfa...	7.145	6.472	217.1E6	1800.0E6	46.811	50.216
20)	A Methoxychlor	7.490	6.743	102.0E6	878.7E6	47.976	50.419
21)	B Endrin ke...	7.626	6.981	235.1E6	1977.6E6	48.377	52.432
22)	Mirex	8.109	7.174	161.1E6	1416.8E6	50.321	55.149

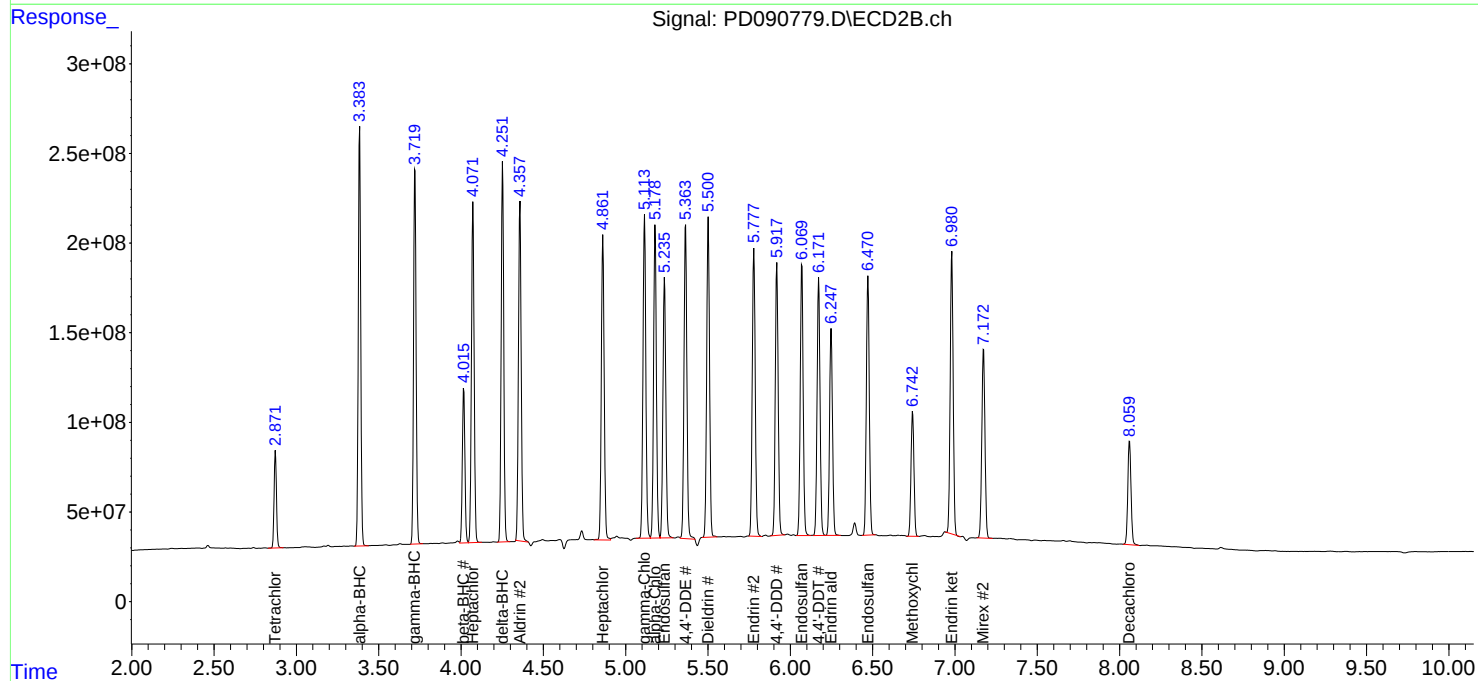
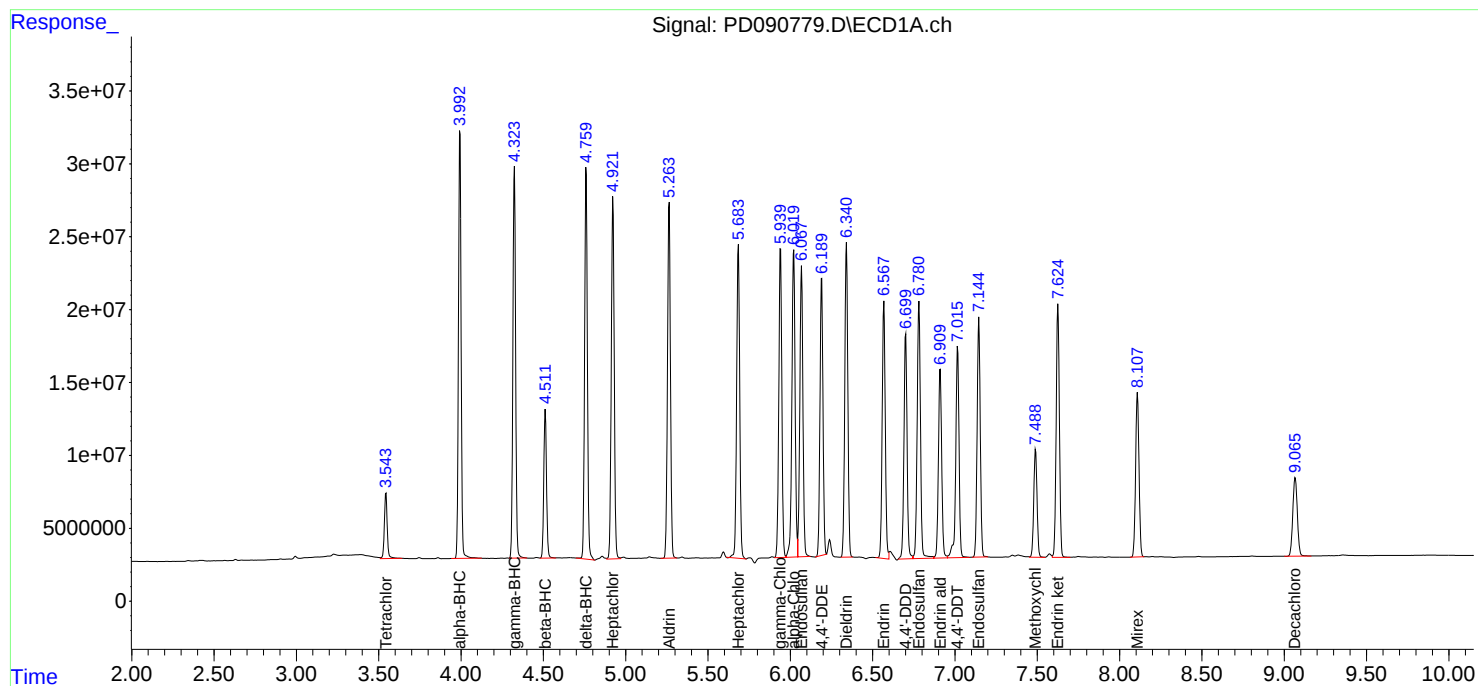
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

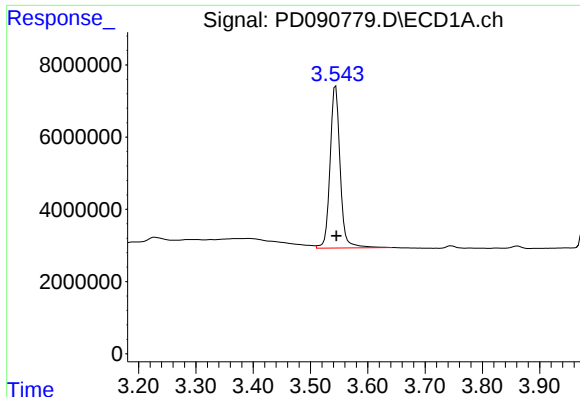
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 13:30
Operator : AR\AJ
Sample : PB170213BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

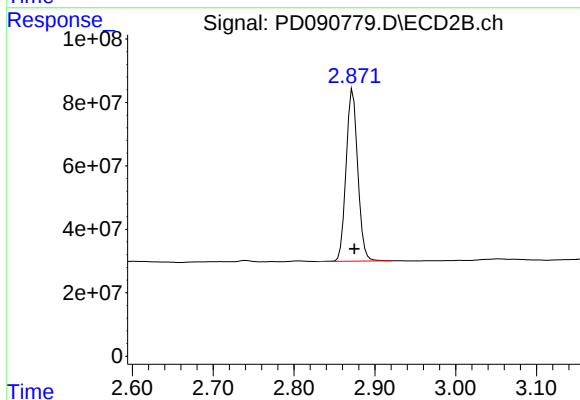




#1 Tetrachloro-m-xylene

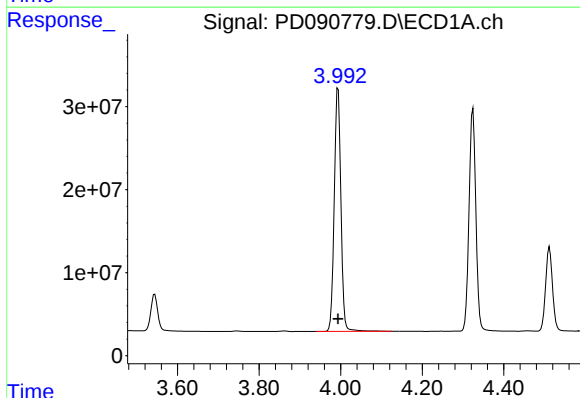
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 54886223
Conc: 17.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



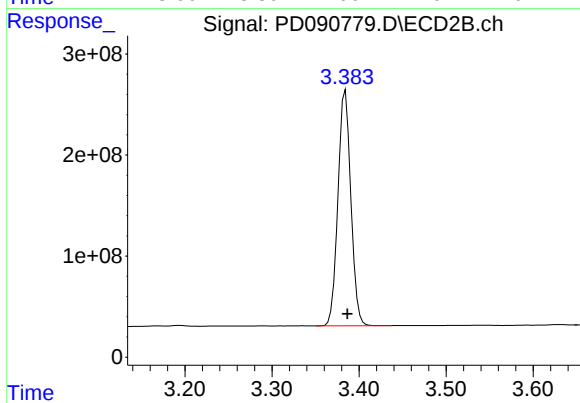
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 543912446
Conc: 18.27 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 332080172
Conc: 46.27 ng/ml



#2 alpha-BHC

R.T.: 3.384 min
Delta R.T.: -0.002 min
Response: 2403319037
Conc: 47.04 ng/ml

Response_ Signal: PD090779.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 311214996
Conc: 45.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time

Response_ Signal: PD090779.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.720 min
Delta R.T.: -0.002 min
Response: 2233503398
Conc: 47.27 ng/ml

Time

Response_ Signal: PD090779.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 305799562
Conc: 54.71 ng/ml

Time

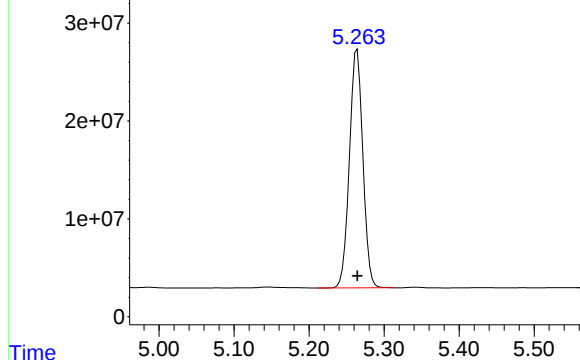
Response_ Signal: PD090779.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.072 min
Delta R.T.: -0.002 min
Response: 2163924425
Conc: 48.52 ng/ml

Time

Response_ Signal: PD090779.D\ECD1A.ch

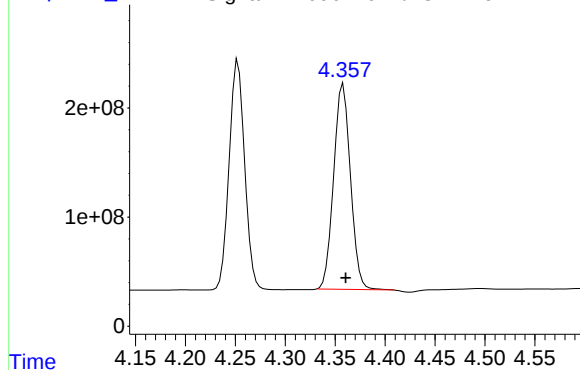


#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 303079265
Conc: 46.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

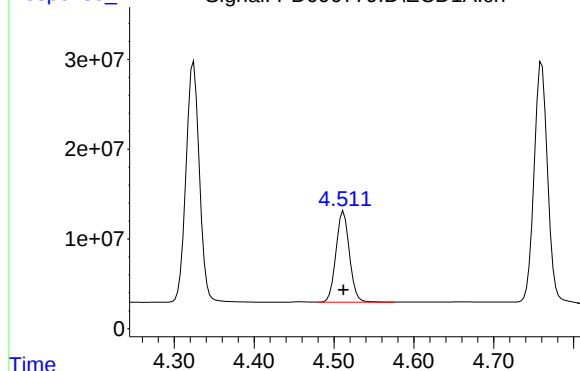
Time Response_ Signal: PD090779.D\ECD2B.ch



#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.003 min
Response: 2206432982
Conc: 47.64 ng/ml

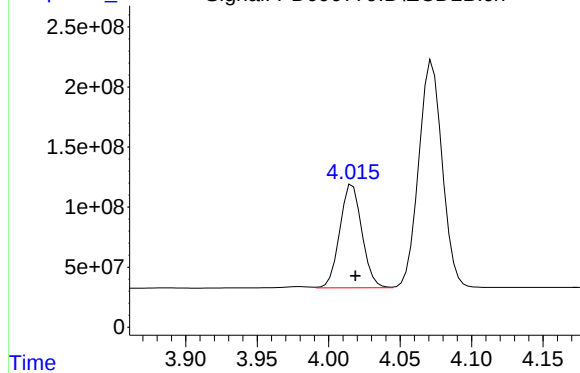
Time Response_ Signal: PD090779.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 118495324
Conc: 45.23 ng/ml

Time Response_ Signal: PD090779.D\ECD2B.ch



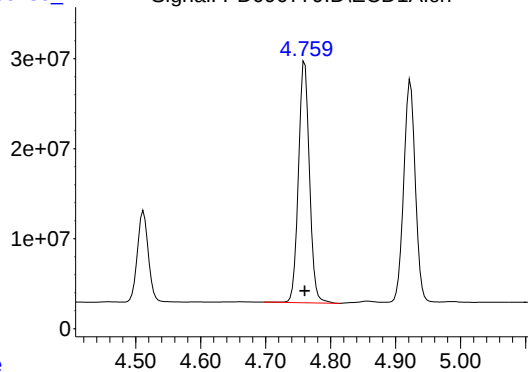
#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 926907058
Conc: 46.74 ng/ml

Response_

Signal: PD090779.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 315878726
Conc: 46.72 ng/ml

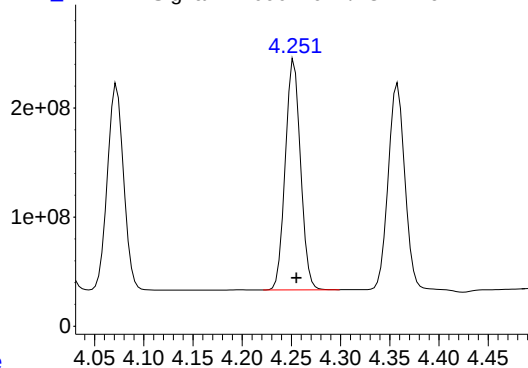
Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time

Response_

Signal: PD090779.D\ECD2B.ch

#7 delta-BHC



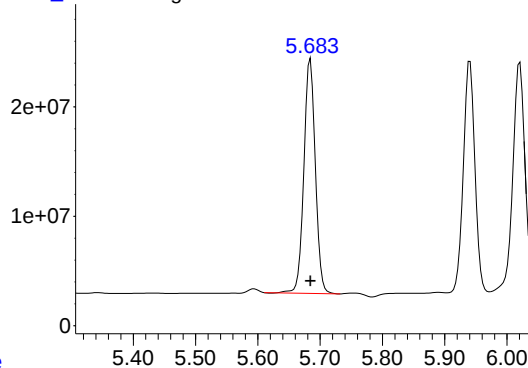
R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2278274941
Conc: 47.75 ng/ml

Time

Response_

Signal: PD090779.D\ECD1A.ch

#8 Heptachlor epoxide



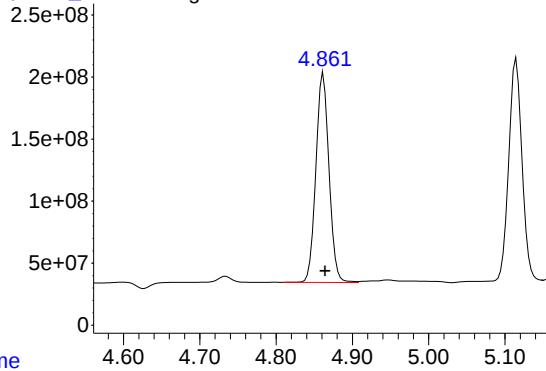
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 276312774
Conc: 47.73 ng/ml

Time

Response_

Signal: PD090779.D\ECD2B.ch

#8 Heptachlor epoxide

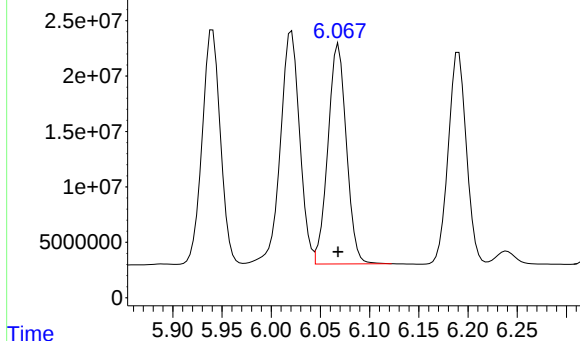


R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2026138595
Conc: 47.52 ng/ml

Time

Response_ Signal: PD090779.D\ECD1A.ch

#9 Endosulfan I

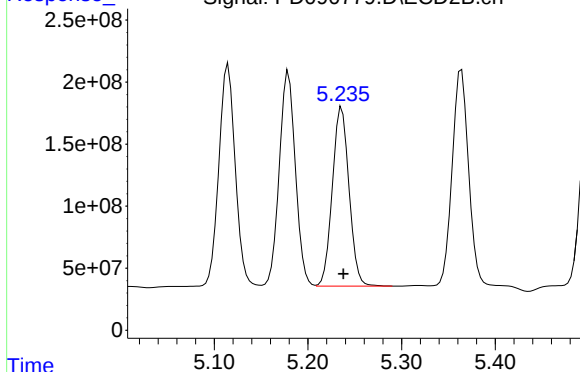


R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 259178126
Conc: 46.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time Response_ Signal: PD090779.D\ECD2B.ch

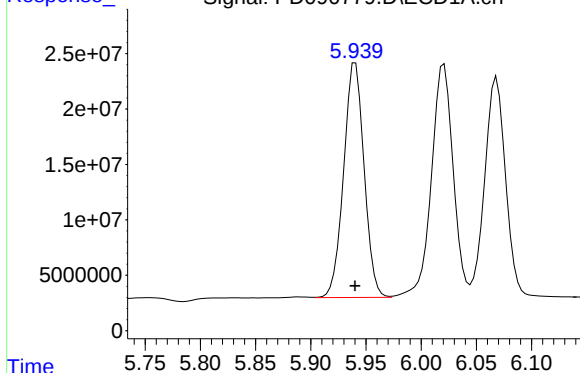
#9 Endosulfan I



R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1791960502
Conc: 45.49 ng/ml

Time Response_ Signal: PD090779.D\ECD1A.ch

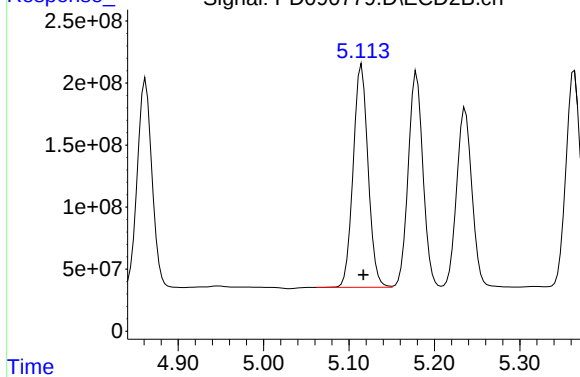
#10 gamma-Chlordane



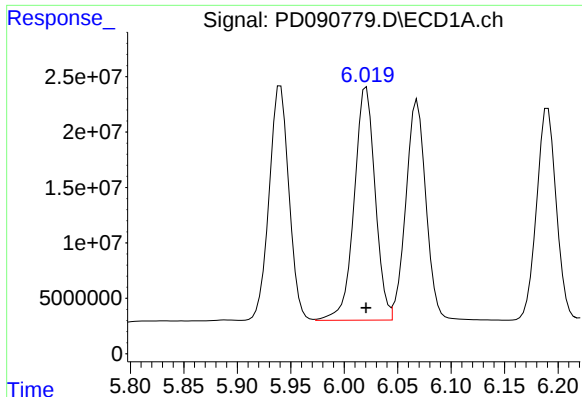
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 272851252
Conc: 46.00 ng/ml

Time Response_ Signal: PD090779.D\ECD2B.ch

#10 gamma-Chlordane



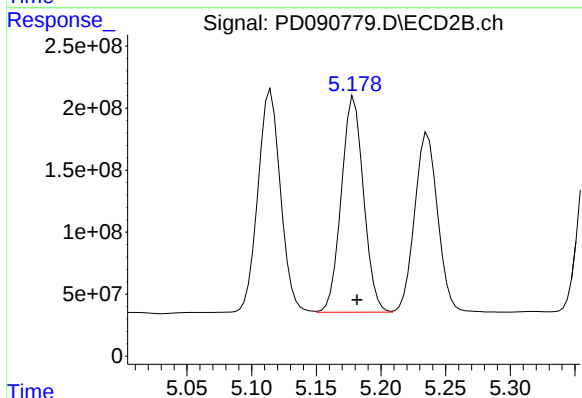
R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2174774079
Conc: 48.38 ng/ml



#11 alpha-Chlordane

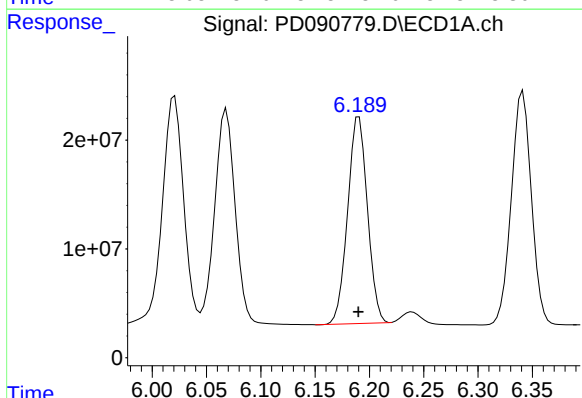
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 286789260
Conc: 46.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



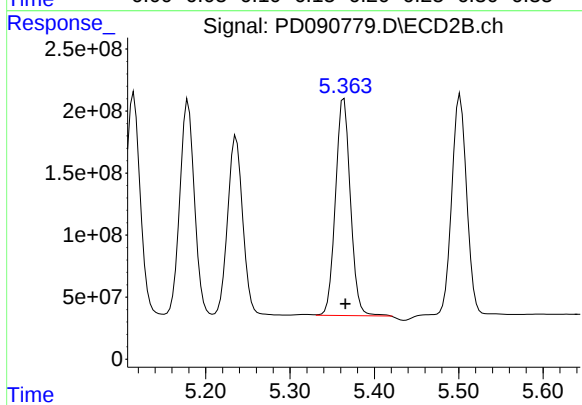
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 2076799947
Conc: 48.14 ng/ml



#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 240922619
Conc: 45.23 ng/ml

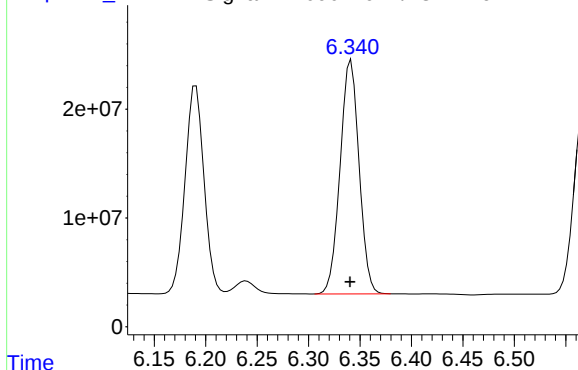


#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2156883653
Conc: 49.20 ng/ml

Response_ Signal: PD090779.D\ECD1A.ch

#13 Dieldrin

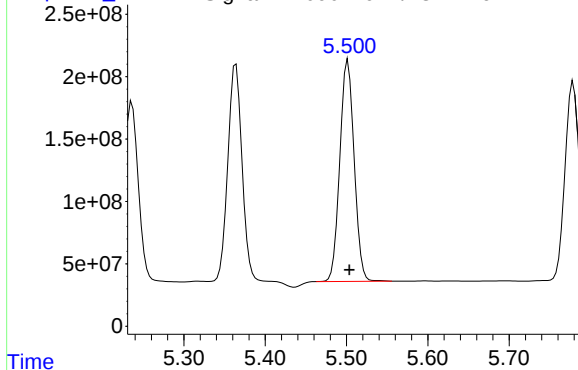


R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 275724347
Conc: 47.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time Response_ Signal: PD090779.D\ECD2B.ch

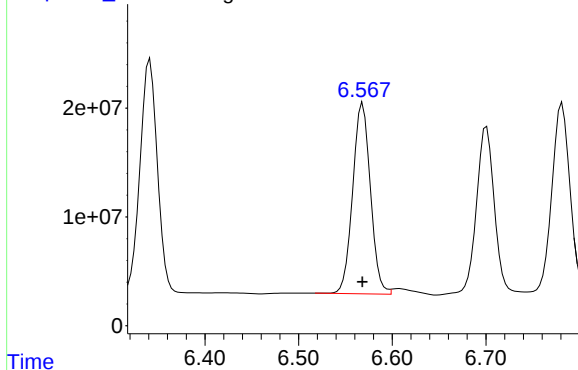
#13 Dieldrin



R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2168652375
Conc: 49.08 ng/ml

Time Response_ Signal: PD090779.D\ECD1A.ch

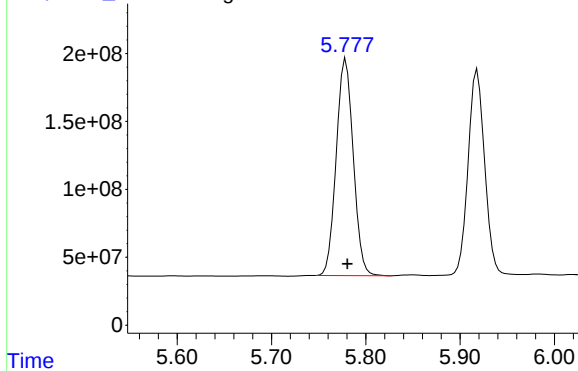
#14 Endrin



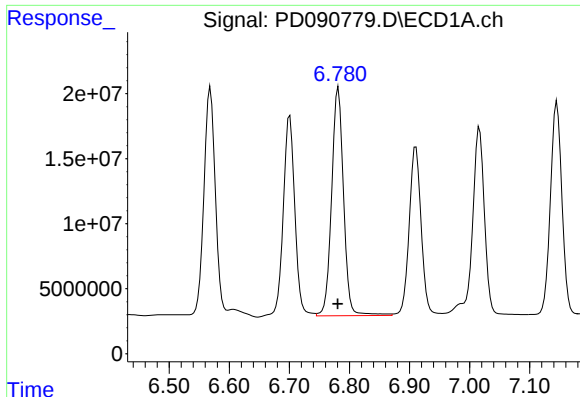
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 230980851
Conc: 46.63 ng/ml

Time Response_ Signal: PD090779.D\ECD2B.ch

#14 Endrin



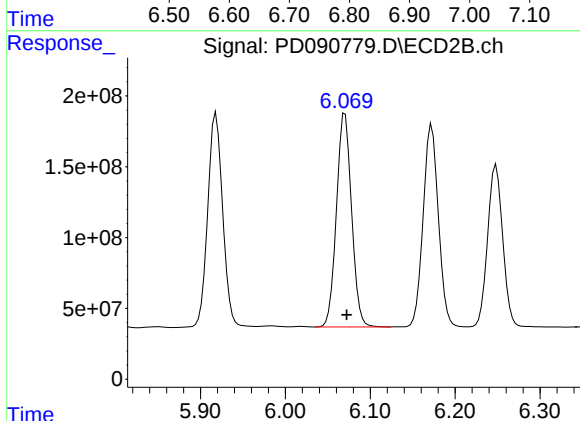
R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2006944790
Conc: 49.56 ng/ml



#15 Endosulfan II

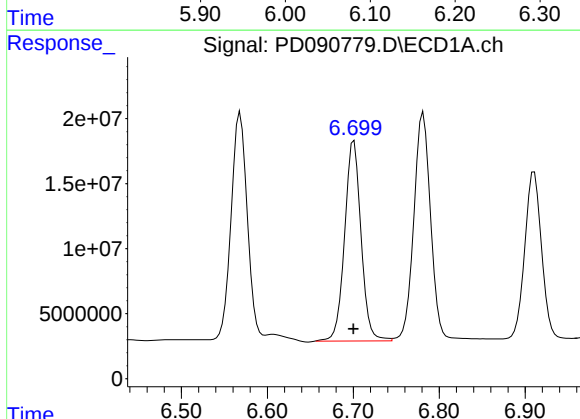
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 242801356
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



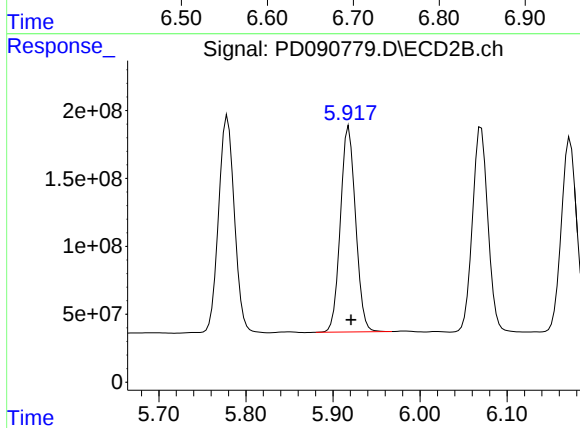
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1866916714
Conc: 49.71 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 205082267
Conc: 50.59 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1833151731
Conc: 50.31 ng/ml

Response_ Signal: PD090779.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.001 min
Response: 200810619
Conc: 48.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time

Response_ Signal: PD090779.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1786197670
Conc: 50.93 ng/ml

Time

Response_ Signal: PD090779.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 179417562
Conc: 48.99 ng/ml

Time

Response_ Signal: PD090779.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1418090849
Conc: 51.21 ng/ml

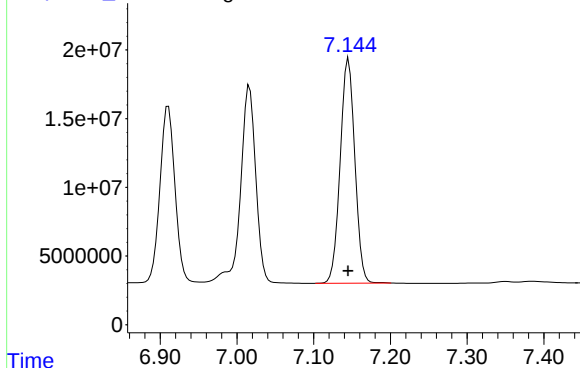
Time

Response_ Signal: PD090779.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 217120098
Conc: 46.81 ng/ml

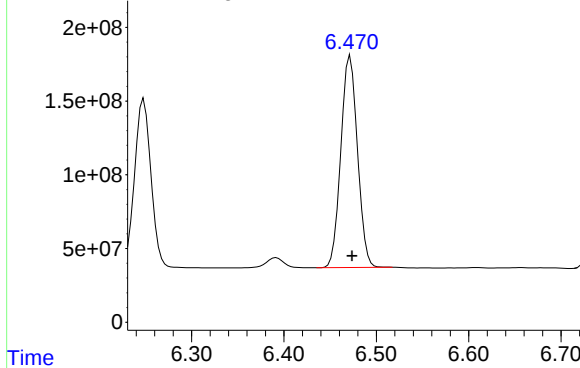
Instrument :
ECD_D
ClientSampleId :
PB170213BS



Time Response_ Signal: PD090779.D\ECD2B.ch

#19 Endosulfan Sulfate

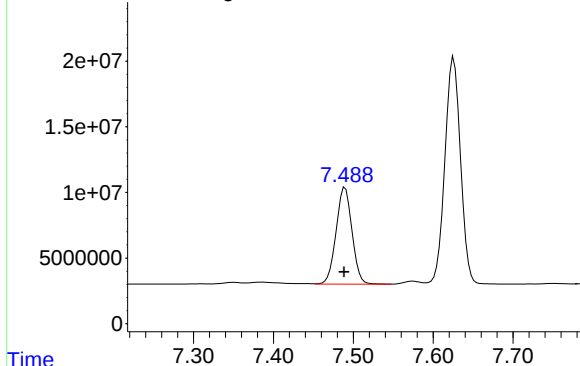
R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1799990685
Conc: 50.22 ng/ml



Time Response_ Signal: PD090779.D\ECD1A.ch

#20 Methoxychlor

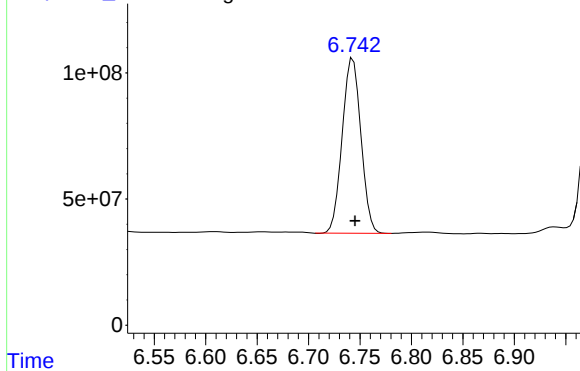
R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 101976592
Conc: 47.98 ng/ml



Time Response_ Signal: PD090779.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 878692026
Conc: 50.42 ng/ml



Response_ Signal: PD090779.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 235057168
Conc: 48.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time

Response_ Signal: PD090779.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1977631813
Conc: 52.43 ng/ml

Time

Response_ Signal: PD090779.D\ECD1A.ch

#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.001 min
Response: 161070093
Conc: 50.32 ng/ml

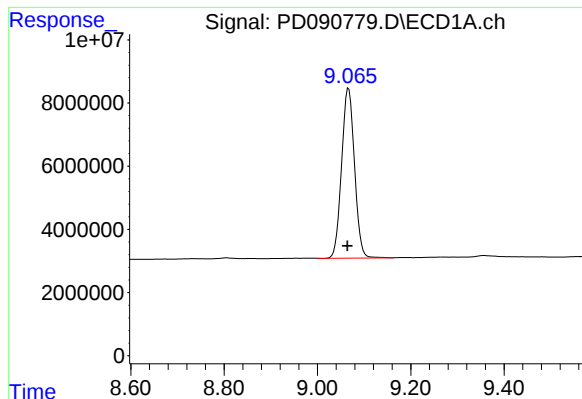
Time

Response_ Signal: PD090779.D\ECD2B.ch

#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.002 min
Response: 1416825413
Conc: 55.15 ng/ml

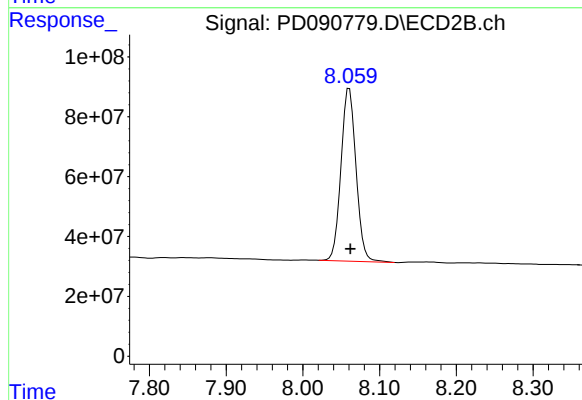
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 103249055
Conc: 22.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.001 min
Response: 787158193
Conc: 25.99 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MS		SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
319-85-7	beta-BHC	28.9		1	0.38	3.50	ug/kg	10/23/25 14:44	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:44	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
76-44-8	Heptachlor	38.0		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
1024-57-3	Heptachlor epoxide	33.3		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
959-98-8	Endosulfan I	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
60-57-1	Dieldrin	32.7		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-55-9	4,4-DDE	36.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-20-8	Endrin	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
33213-65-9	Endosulfan II	31.1		1	0.61	3.50	ug/kg	10/23/25 14:44	PB170213
72-54-8	4,4-DDD	34.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
50-29-3	4,4-DDT	33.8		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-43-5	Methoxychlor	33.5		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
53494-70-5	Endrin ketone	33.7		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
7421-93-4	Endrin aldehyde	32.9		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
5103-71-9	alpha-Chlordane	36.2		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
5103-74-2	gamma-Chlordane	31.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
8001-35-2	Toxaphene	68.9	U	1	11.3	68.9	ug/kg	10/23/25 14:44	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.5			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.5			19 - 148	78%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
 Data File : PD090784.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 14:44
 Operator : AR\AJ
 Sample : Q3395-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S07-000102-20251017MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:14:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	44856288	461.6E6	14.404m	15.502
28)	SA Decachlor...	9.066	8.060	71092744	469.2E6	15.197	15.488
Target Compounds							
2)	A alpha-BHC	3.994	3.385	329.6E6	2105.2E6	45.923	41.201
3)	MA gamma-BHC...	4.325	3.721	311.9E6	1982.5E6	45.882	41.960
4)	MA Heptachlor	4.923	4.074	305.3E6	2044.9E6	54.623	45.846
5)	MB Aldrin	5.264	4.359	306.3E6	1977.9E6	46.786	42.701
6)	B beta-BHC	4.512	4.016	105.1E6	824.5E6	40.118	41.579m
7)	B delta-BHC	4.760	4.254	316.7E6	2090.7E6	46.832	43.814
8)	B Heptachlo...	5.683	4.863	277.1E6	1914.6E6	47.858m	44.903
9)	A Endosulfan I	6.068	5.238	259.7E6	1513.6E6	46.910	38.426
10)	B gamma-Chl...	5.939	5.114	262.9E6	2041.5E6	44.330m	45.418m
11)	B alpha-Chl...	6.021	5.180	321.2E6	1920.0E6	51.965	44.508
12)	B 4,4'-DDE	6.190	5.365	279.9E6	2109.2E6	52.553	48.114
13)	MA Dieldrin	6.341	5.503	273.8E6	1991.5E6	46.959	45.074
14)	MA Endrin	6.568	5.780	232.0E6	1726.4E6	46.833	42.633
15)	B Endosulfa...	6.781	6.069	223.5E6	1666.3E6	44.692	44.370m
16)	A 4,4'-DDD	6.698	5.919	201.6E6	1555.1E6	49.728m	42.678
17)	MA 4,4'-DDT	7.016	6.172	199.7E6	1558.8E6	48.571	44.445
18)	B Endrin al...	6.910	6.249	173.3E6	1234.3E6	47.327	44.570
19)	B Endosulfa...	7.144	6.472	216.9E6	1586.1E6	46.770	44.250
20)	A Methoxychlor	7.489	6.743	102.2E6	801.4E6	48.098	45.986
21)	B Endrin ke...	7.625	6.982	235.6E6	1636.7E6	48.487	43.394
22)	Mirex	8.108	7.174	143.8E6	1115.8E6	44.941	43.431

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:44
Operator : AR\AJ
Sample : Q3395-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

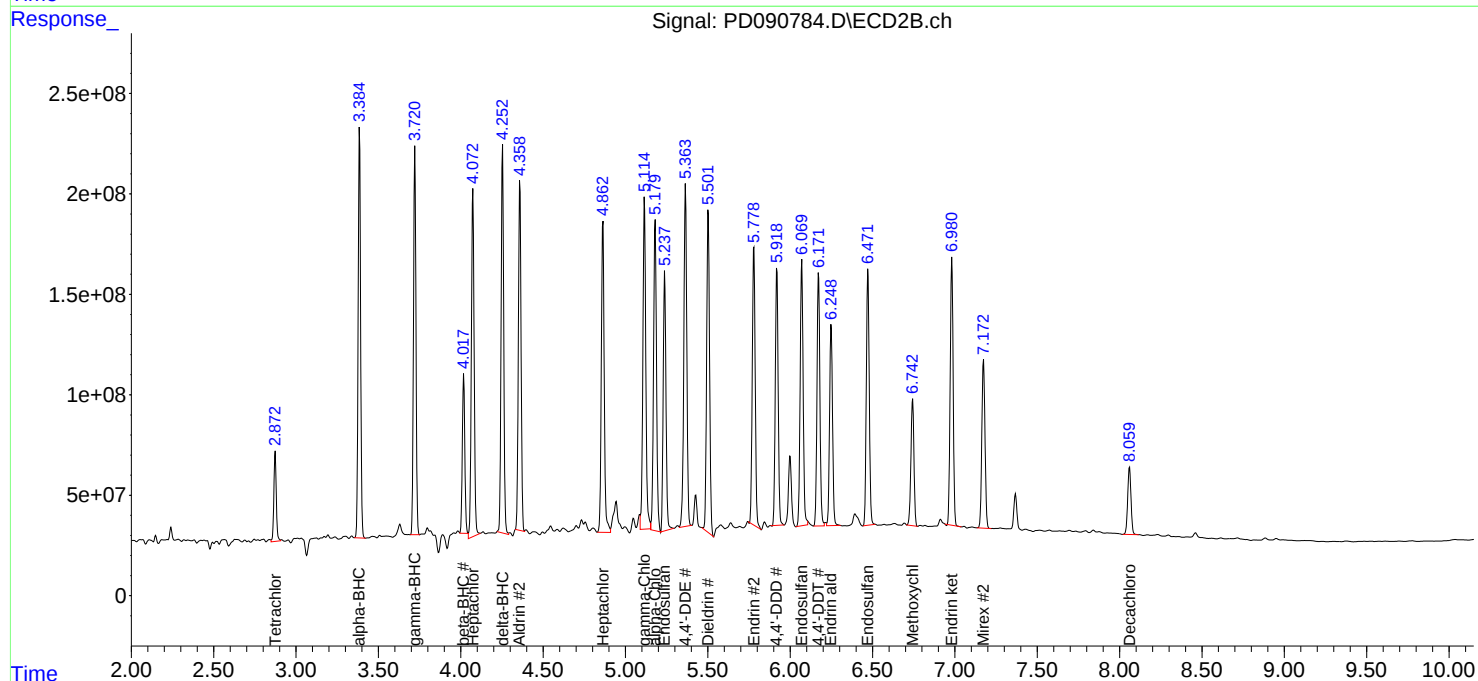
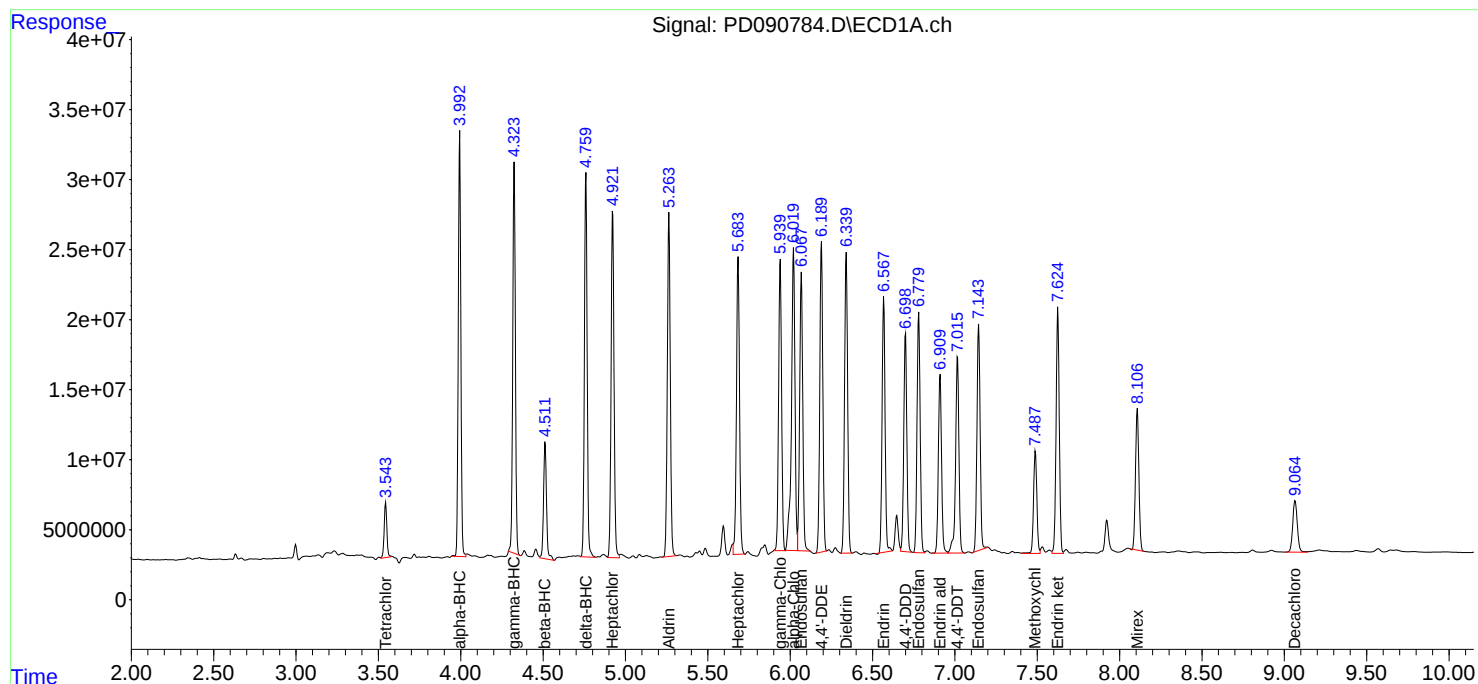
APPROVED

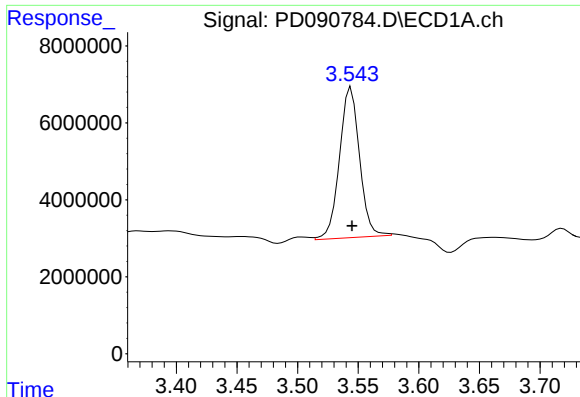
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 44856288
Conc: 14.40 ng/ml

Instrument :

ECD_D

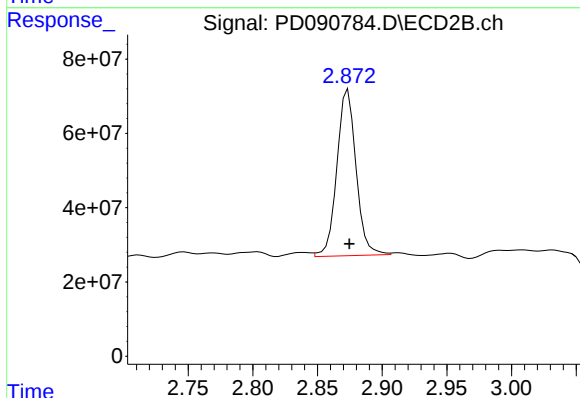
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

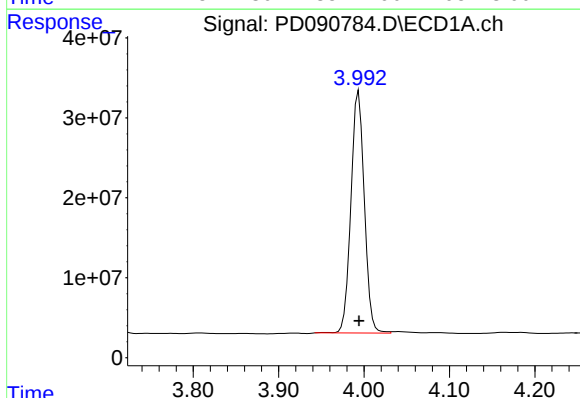
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



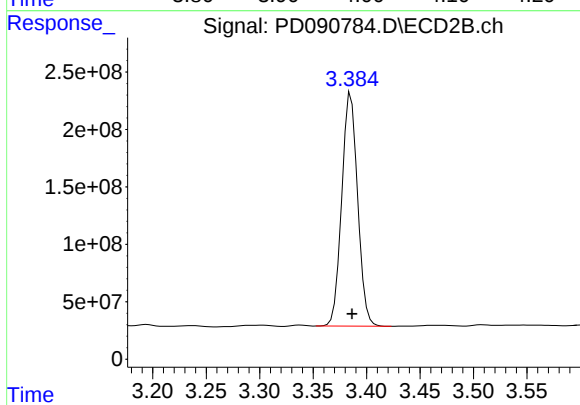
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 461607764
Conc: 15.50 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 329598835
Conc: 45.92 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2105177045
Conc: 41.20 ng/ml

Response_ Signal: PD090784.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 311945728
Conc: 45.88 ng/ml

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090784.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 1982545742
Conc: 41.96 ng/ml

Time

Response_ Signal: PD090784.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 305315908
Conc: 54.62 ng/ml

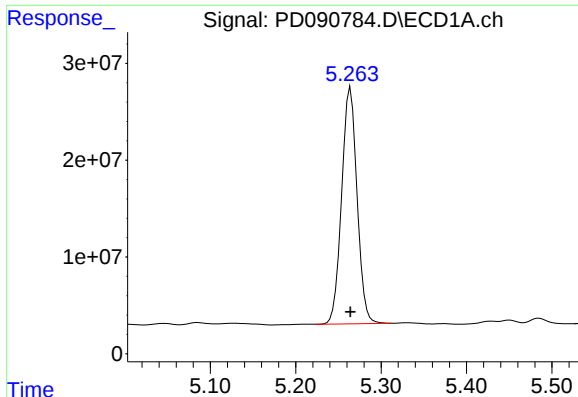
Time

Response_ Signal: PD090784.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2044879531
Conc: 45.85 ng/ml

Time



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 306320090
Conc: 46.79 ng/ml

Instrument :

ECD_D

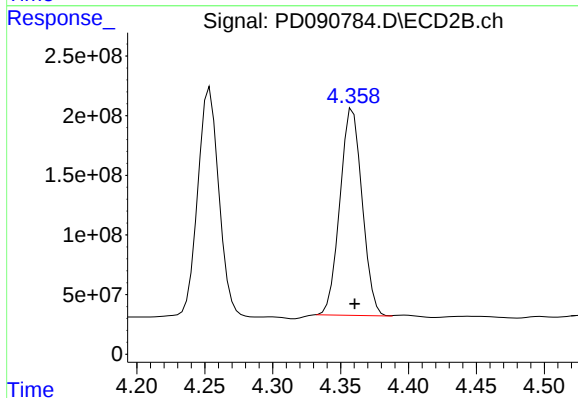
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

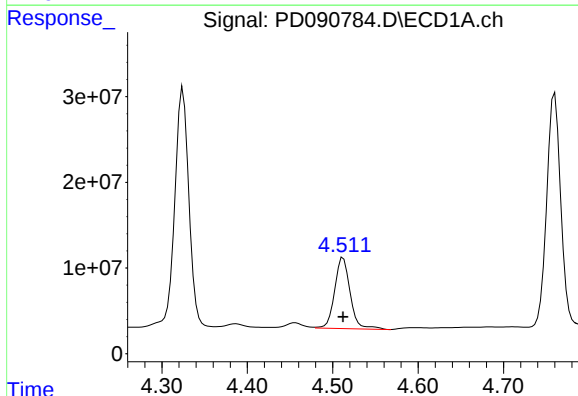
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



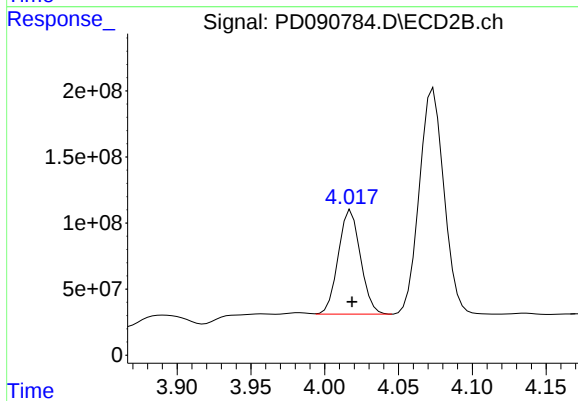
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 1977856256
Conc: 42.70 ng/ml



#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 105095517
Conc: 40.12 ng/ml



#6 beta-BHC

R.T.: 4.016 min
Delta R.T.: -0.002 min
Response: 824495229
Conc: 41.58 ng/ml m

Response_ Signal: PD090784.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 316661802
Conc: 46.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090784.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2090674265
Conc: 43.81 ng/ml

Time

Response_ Signal: PD090784.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.002 min
Response: 277050674
Conc: 47.86 ng/ml m

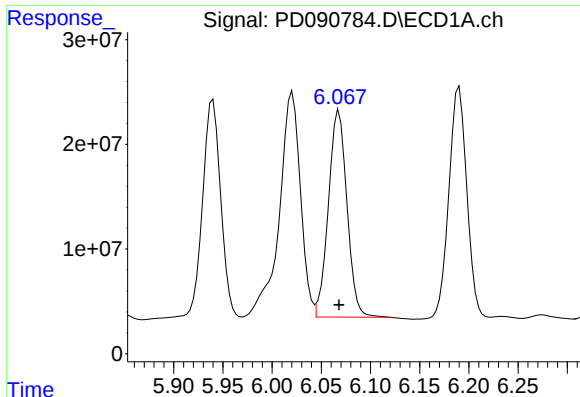
Time

Response_ Signal: PD090784.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 1914626134
Conc: 44.90 ng/ml

Time



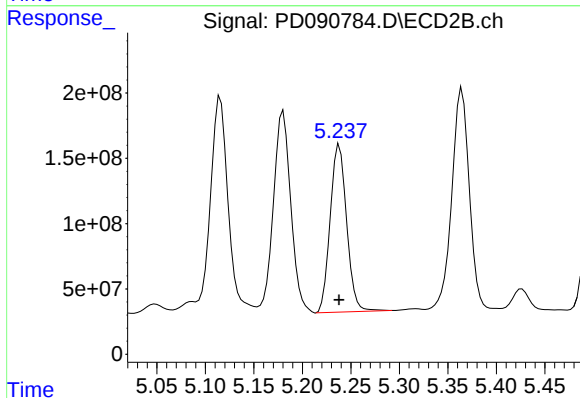
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 259724837
Conc: 46.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

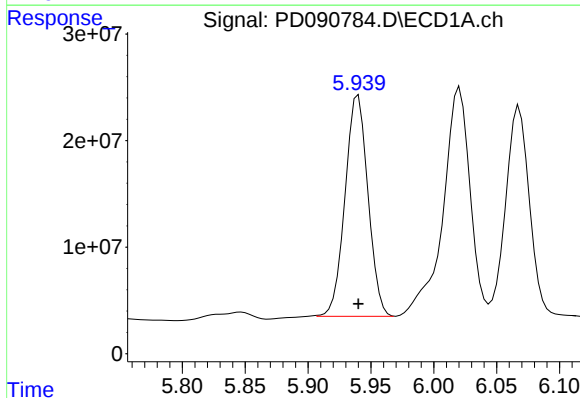
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



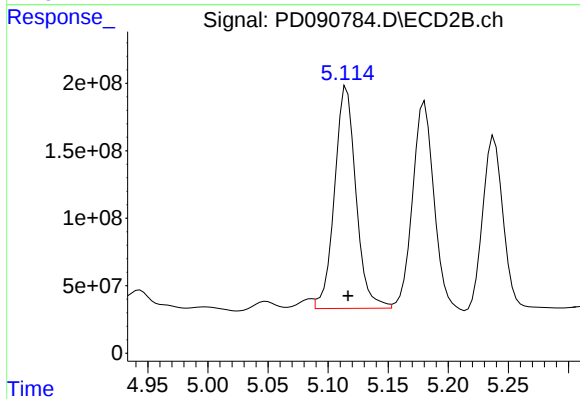
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1513623070
Conc: 38.43 ng/ml



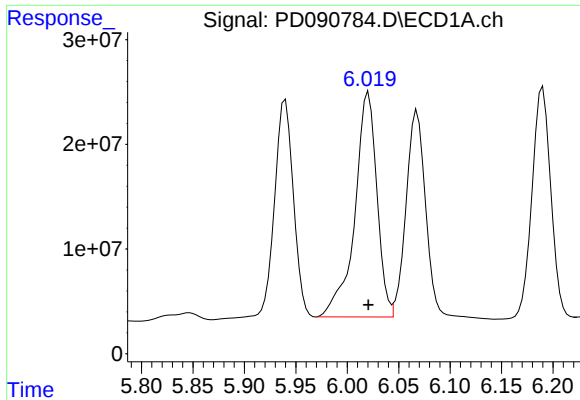
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 262929123
Conc: 44.33 ng/ml m



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.003 min
Response: 2041483437
Conc: 45.42 ng/ml m



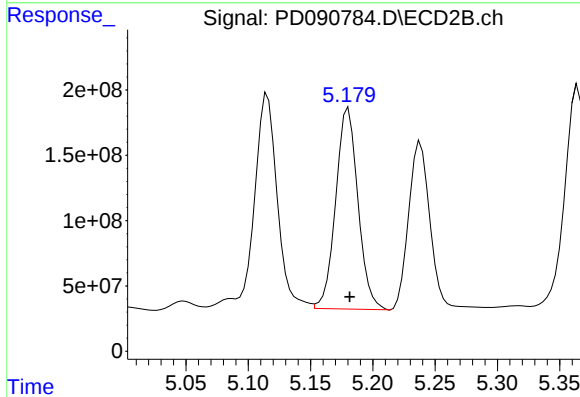
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 321157249
Conc: 51.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

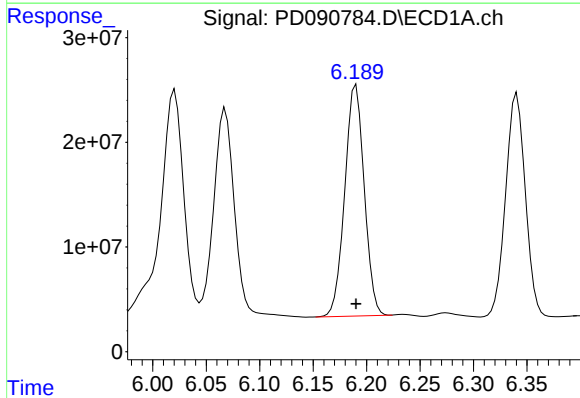
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



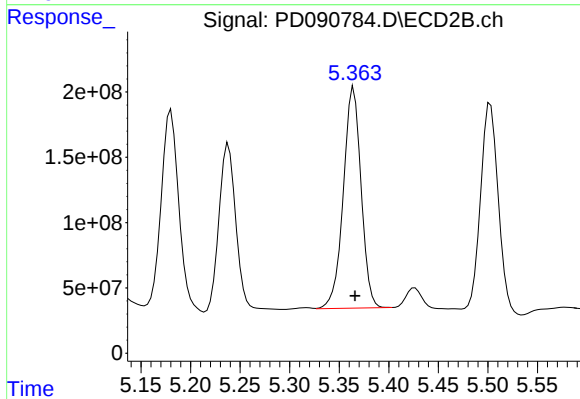
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 1919961285
Conc: 44.51 ng/ml



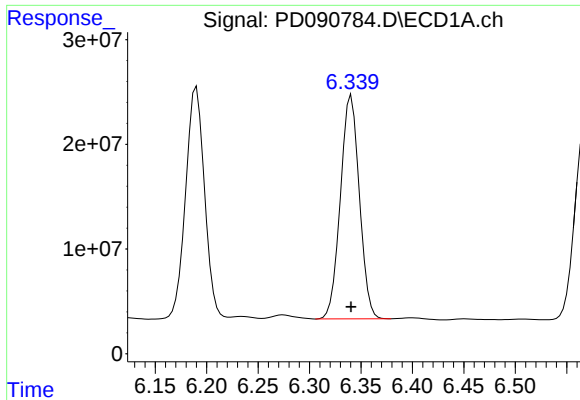
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 279931178
Conc: 52.55 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 2109242120
Conc: 48.11 ng/ml



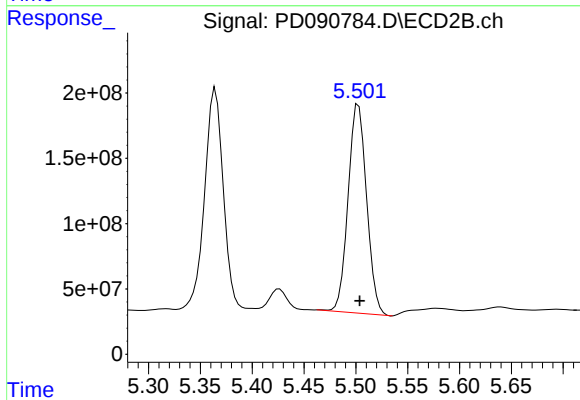
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 273832337
Conc: 46.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

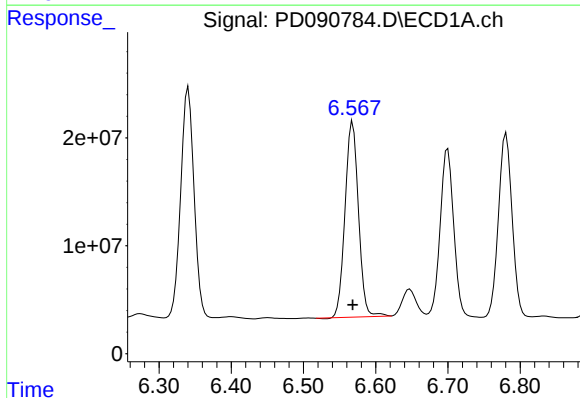
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



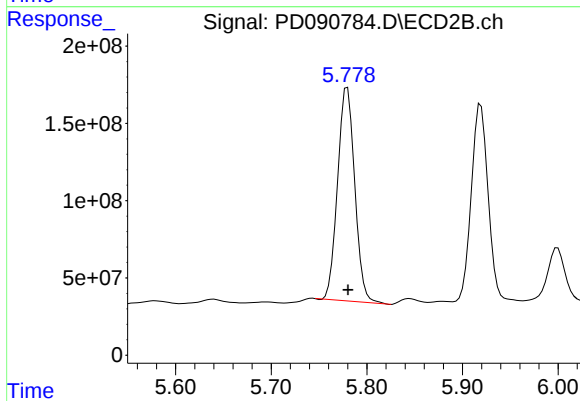
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.001 min
Response: 1991526459
Conc: 45.07 ng/ml



#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 231994926
Conc: 46.83 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1726384682
Conc: 42.63 ng/ml

Response_ Signal: PD090784.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 223456906
Conc: 44.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090784.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1666330296
Conc: 44.37 ng/ml m

Time

Response_ Signal: PD090784.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 201608068
Conc: 49.73 ng/ml m

Time

Response_ Signal: PD090784.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1555114567
Conc: 42.68 ng/ml

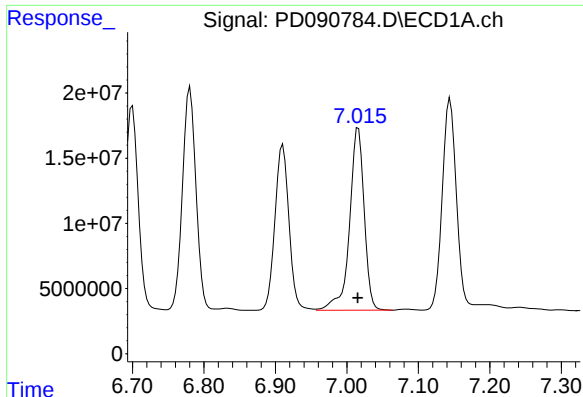
Time

Response_ Signal: PD090784.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1555114567
Conc: 42.68 ng/ml

Time



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 199650061
Conc: 48.57 ng/ml

Instrument :

ECD_D

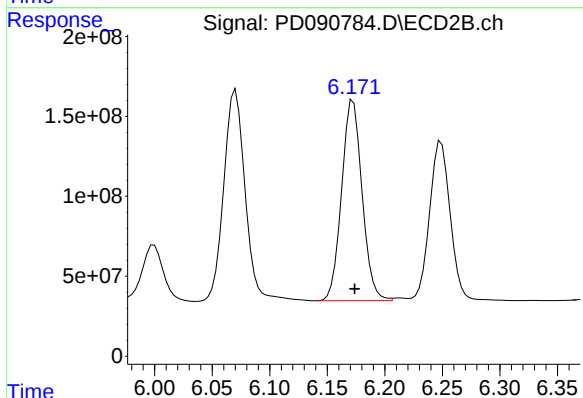
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

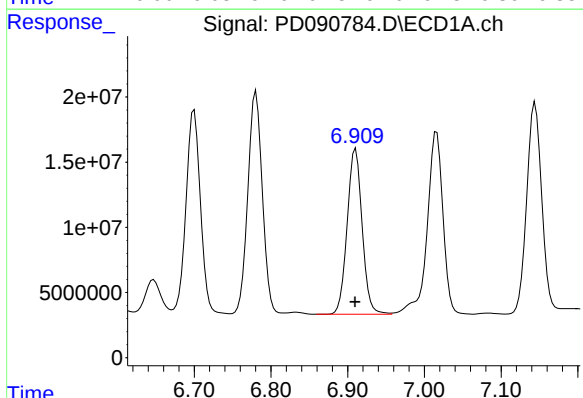
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



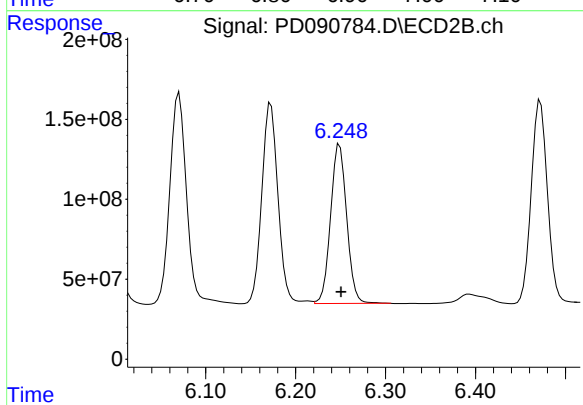
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1558824891
Conc: 44.45 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 173344177
Conc: 47.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1234263441
Conc: 44.57 ng/ml

Response_ Signal: PD090784.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 216927199
Conc: 46.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090784.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1586131179
Conc: 44.25 ng/ml

Time

Response_ Signal: PD090784.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 102237249
Conc: 48.10 ng/ml

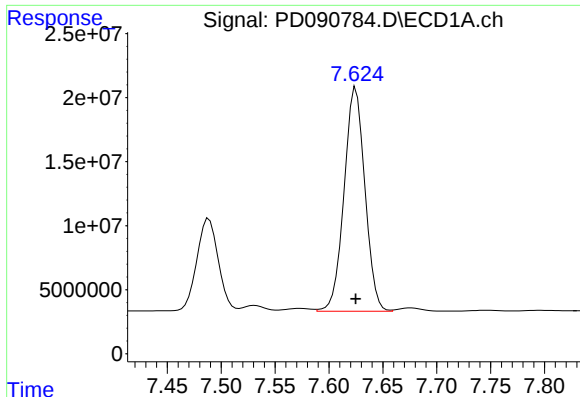
Time

Response_ Signal: PD090784.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 801442261
Conc: 45.99 ng/ml

Time



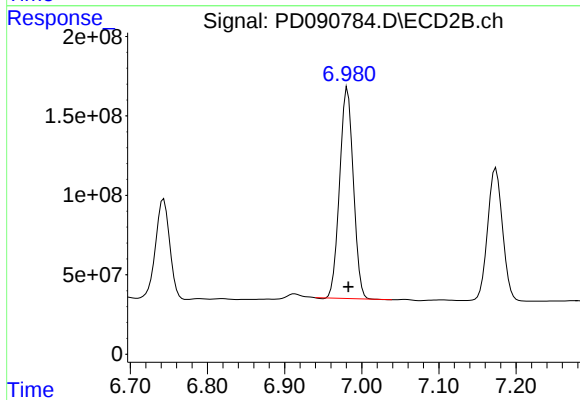
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 235593156
Conc: 48.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

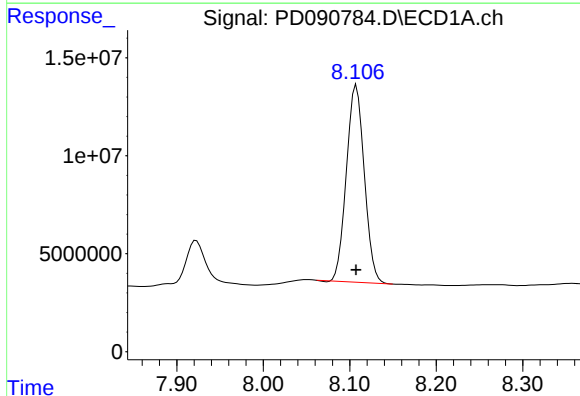
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



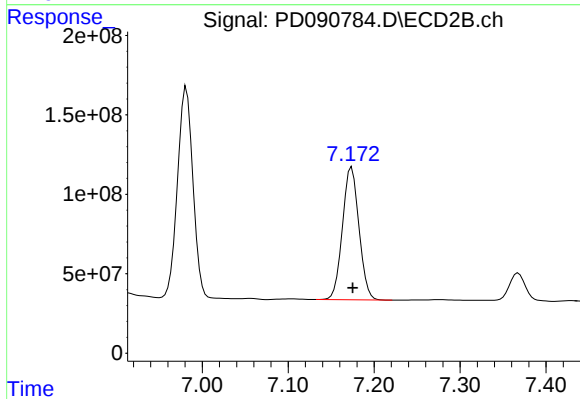
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 1636742486
Conc: 43.39 ng/ml



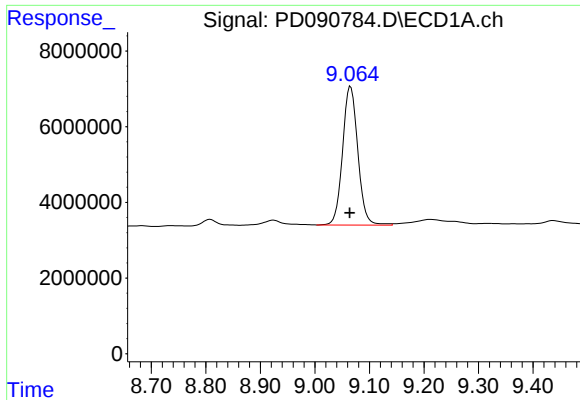
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 143849597
Conc: 44.94 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.001 min
Response: 1115770067
Conc: 43.43 ng/ml



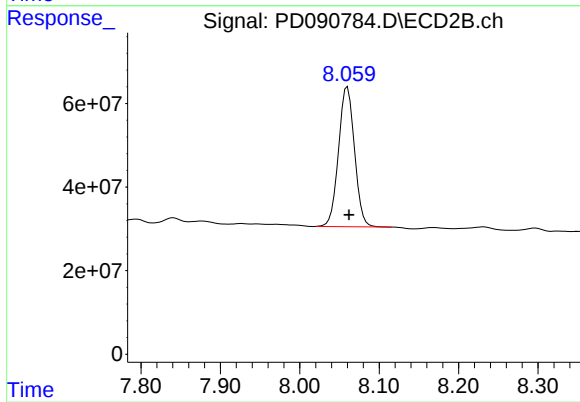
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 71092744
Conc: 15.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 469150332
Conc: 15.49 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MSD		SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
319-85-7	beta-BHC	28.9		1	0.37	3.50	ug/kg	10/23/25 14:57	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:57	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
76-44-8	Heptachlor	38.1		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
1024-57-3	Heptachlor epoxide	32.4		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
959-98-8	Endosulfan I	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
60-57-1	Dieldrin	32.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-55-9	4,4-DDE	37.2		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-20-8	Endrin	32.1		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
33213-65-9	Endosulfan II	31.5		1	0.60	3.50	ug/kg	10/23/25 14:57	PB170213
72-54-8	4,4-DDD	34.4		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
50-29-3	4,4-DDT	34.0		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-43-5	Methoxychlor	33.2		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
53494-70-5	Endrin ketone	34.1		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
7421-93-4	Endrin aldehyde	32.8		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
5103-71-9	alpha-Chlordane	31.4		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
5103-74-2	gamma-Chlordane	31.3		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
8001-35-2	Toxaphene	68.7	U	1	11.3	68.7	ug/kg	10/23/25 14:57	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			20 - 144	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.4			19 - 148	82%	SPK: 20		

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

Q3395-Pesticide-TCL

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\PD102325\
 Data File : PD090785.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 14:57
 Operator : AR\AJ
 Sample : Q3395-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S07-000102-20251017MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:14:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	47594773	487.5E6	15.283m	16.370
28)	SA Decachlor...	9.066	8.061	76677754	497.9E6	16.391	16.438
Target Compounds							
2)	A alpha-BHC	3.994	3.386	329.9E6	2102.7E6	45.972	41.153
3)	MA gamma-BHC...	4.325	3.722	312.2E6	1980.6E6	45.922	41.919
4)	MA Heptachlor	4.923	4.074	307.2E6	2056.0E6	54.958	46.095
5)	MB Aldrin	5.264	4.360	307.6E6	1980.2E6	46.988	42.751
6)	B beta-BHC	4.512	4.017	99323165	824.4E6	37.915m	41.573m
7)	B delta-BHC	4.761	4.255	317.6E6	2086.4E6	46.973	43.724
8)	B Heptachlo...	5.685	4.864	270.2E6	1883.6E6	46.672	44.175
9)	A Endosulfan I	6.068	5.239	254.4E6	1502.5E6	45.954	38.145
10)	B gamma-Chl...	5.939	5.116	264.7E6	2030.0E6	44.628m	45.162
11)	B alpha-Chl...	6.021	5.181	279.9E6	1913.9E6	45.289	44.366
12)	B 4,4'-DDE	6.190	5.365	285.4E6	2112.0E6	53.574	48.176
13)	MA Dieldrin	6.341	5.503	276.7E6	1999.9E6	47.450	45.263
14)	MA Endrin	6.568	5.780	229.3E6	1698.3E6	46.291	41.940
15)	B Endosulfa...	6.781	6.070	226.8E6	1680.4E6	45.364	44.744m
16)	A 4,4'-DDD	6.699	5.920	200.9E6	1547.1E6	49.548m	42.457
17)	MA 4,4'-DDT	7.016	6.173	201.5E6	1556.8E6	49.011	44.388
18)	B Endrin al...	6.911	6.250	173.0E6	1230.0E6	47.245	44.416
19)	B Endosulfa...	7.145	6.473	217.3E6	1582.2E6	46.853	44.139
20)	A Methoxychlor	7.489	6.744	101.7E6	815.2E6	47.826	46.774
21)	B Endrin ke...	7.626	6.982	238.6E6	1622.7E6	49.104	43.023
22)	Mirex	8.108	7.175	145.9E6	1110.7E6	45.568	43.232

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:57
Operator : AR\AJ
Sample : Q3395-04MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

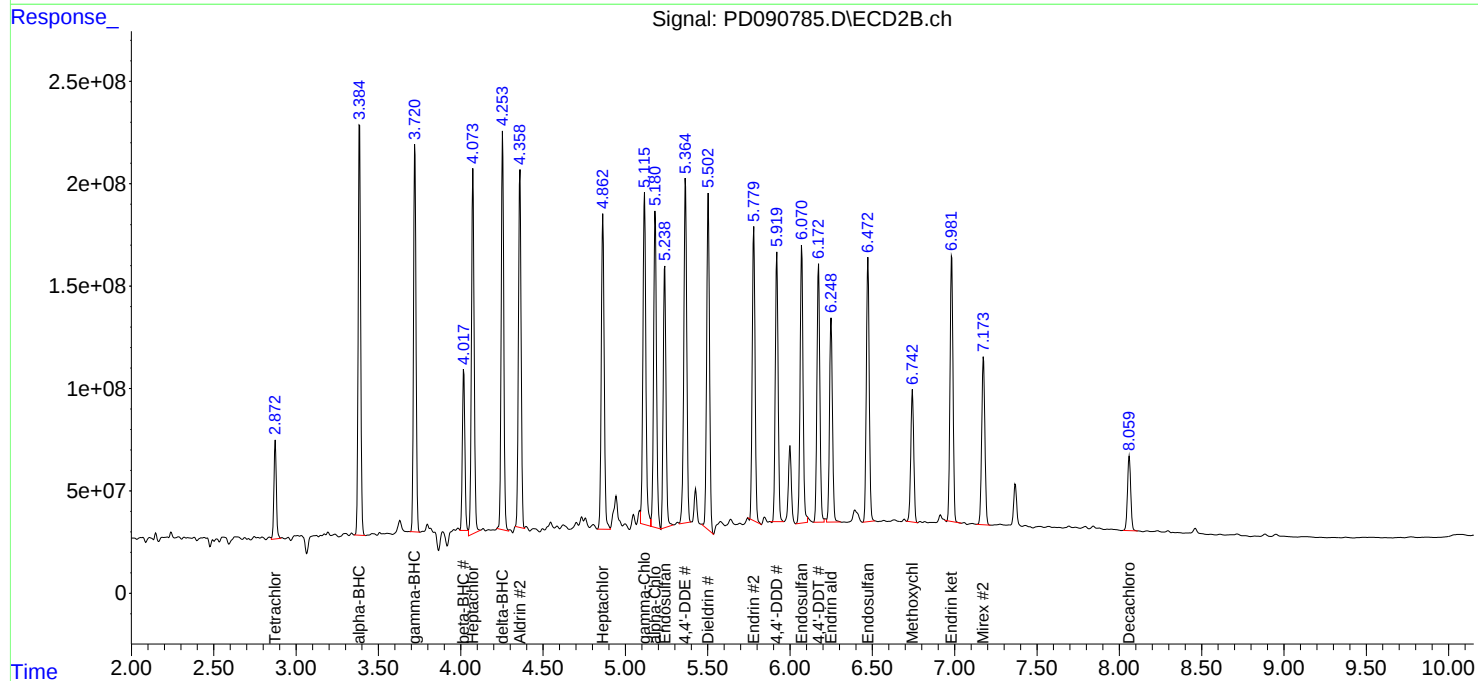
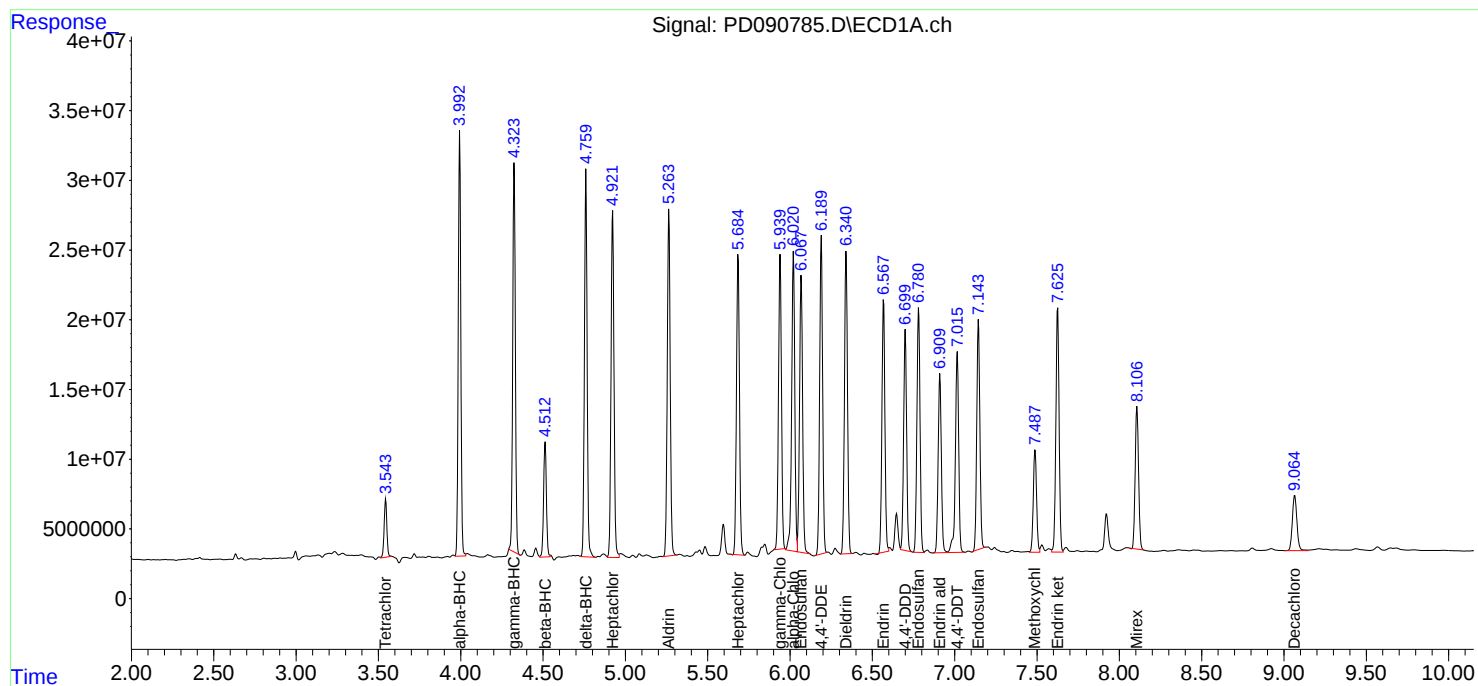
APPROVED

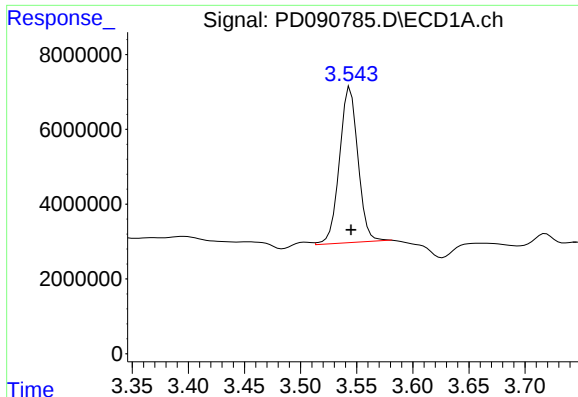
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 47594773
Conc: 15.28 ng/ml

Instrument :

ECD_D

ClientSampleId :

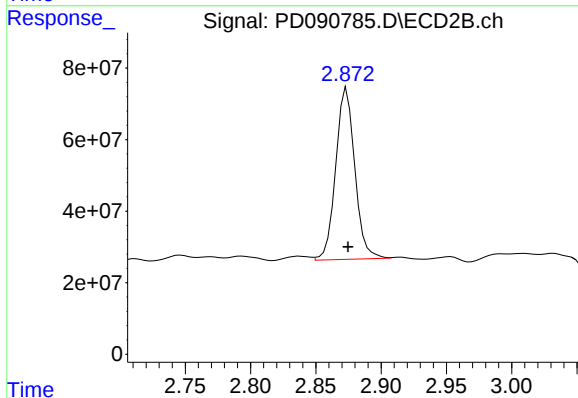
PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

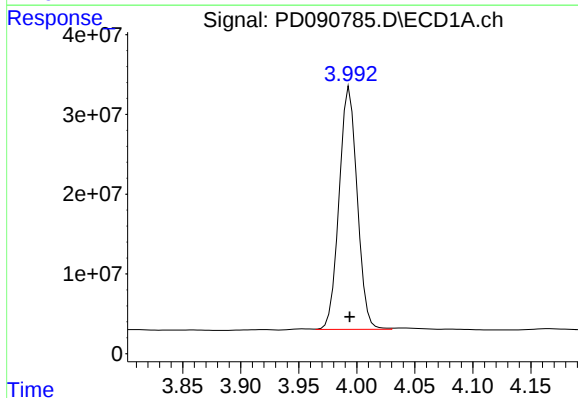
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



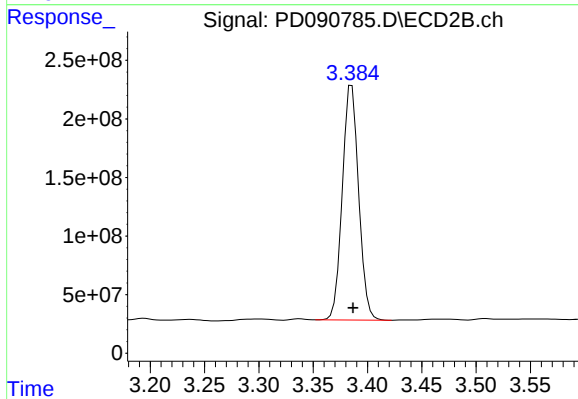
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 487456476
Conc: 16.37 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 329948212
Conc: 45.97 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2102728321
Conc: 41.15 ng/ml

Response_ Signal: PD090785.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 312215910
Conc: 45.92 ng/ml

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090785.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1980603536
Conc: 41.92 ng/ml

Time

Response_ Signal: PD090785.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 307192939
Conc: 54.96 ng/ml

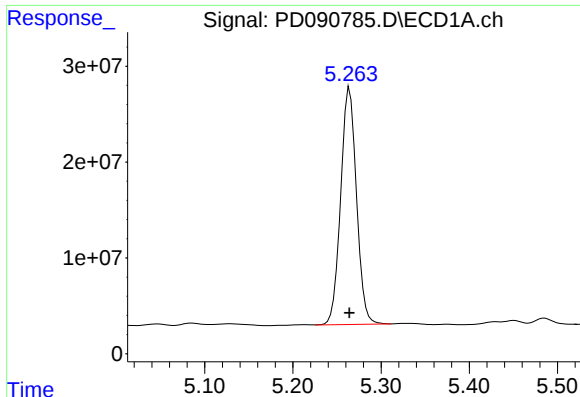
Time

Response_ Signal: PD090785.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2055982029
Conc: 46.10 ng/ml

Time



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 307641464
Conc: 46.99 ng/ml

Instrument :

ECD_D

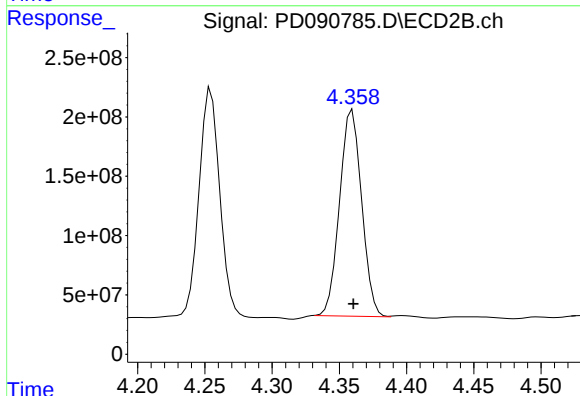
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

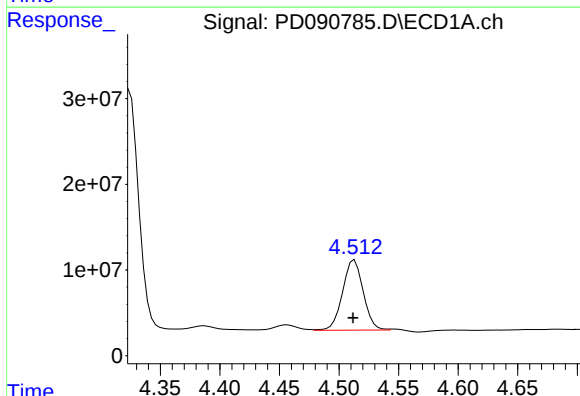
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



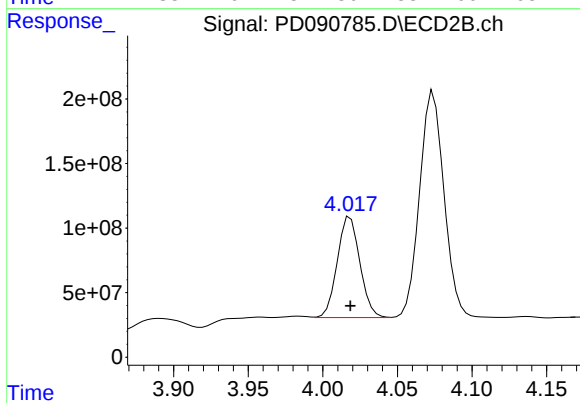
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1980194934
Conc: 42.75 ng/ml



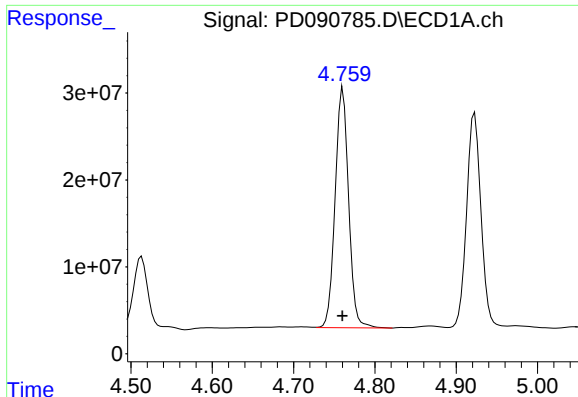
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 99323165
Conc: 37.91 ng/ml m



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 824363816
Conc: 41.57 ng/ml m



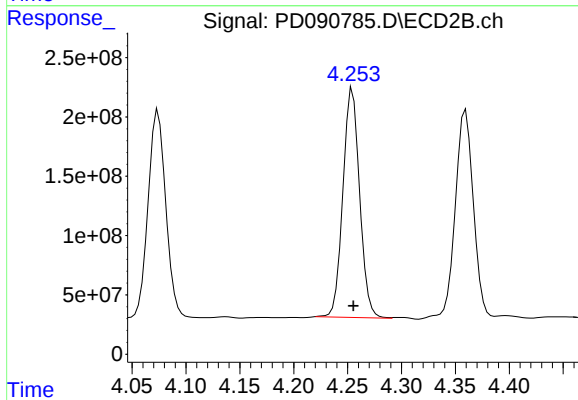
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 317620281
Conc: 46.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

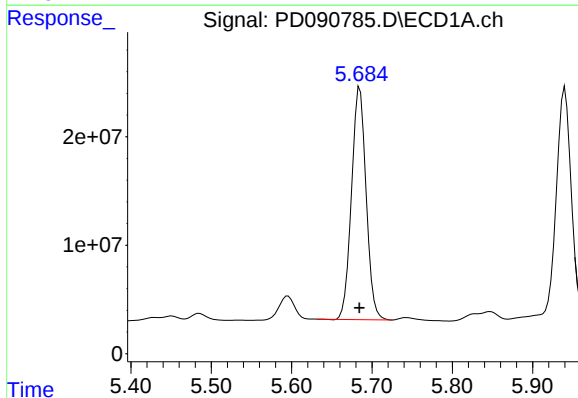
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



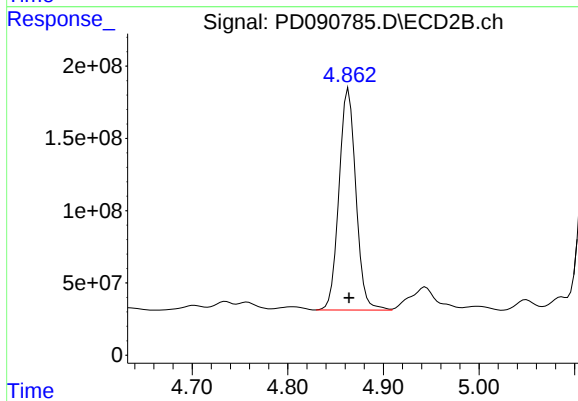
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2086377210
Conc: 43.72 ng/ml



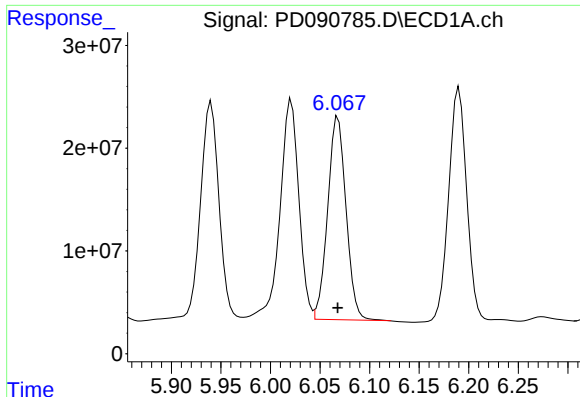
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 270185448
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 1883575400
Conc: 44.17 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 254433493
Conc: 45.95 ng/ml

Instrument :

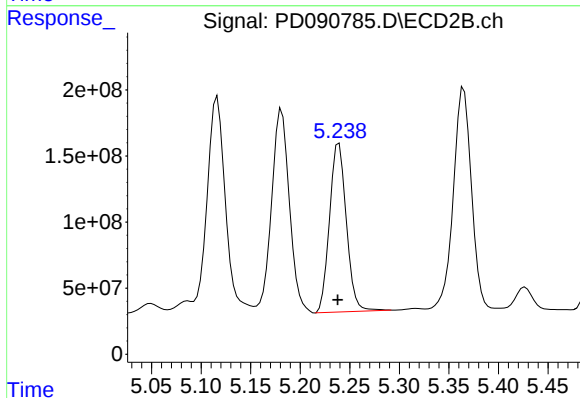
ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

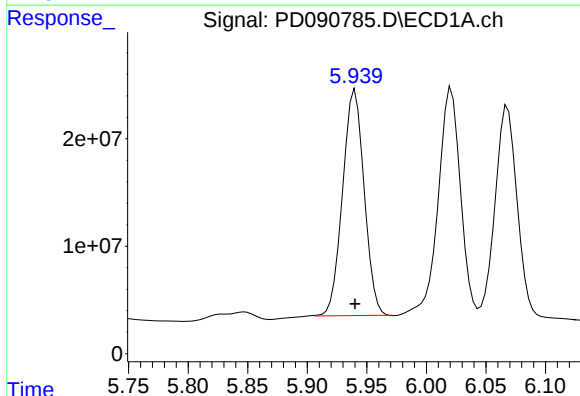
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



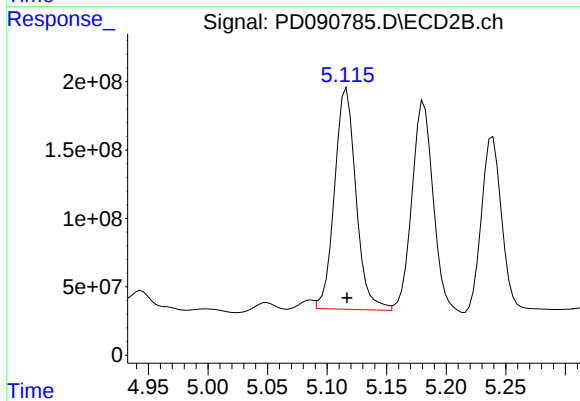
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.001 min
Response: 1502543908
Conc: 38.14 ng/ml



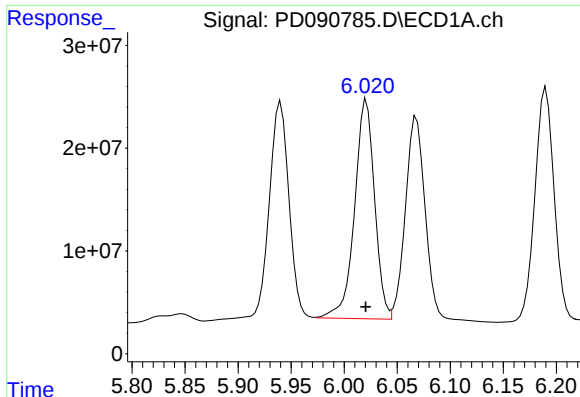
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.001 min
Response: 264697828
Conc: 44.63 ng/ml m



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2029993129
Conc: 45.16 ng/ml



#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 279899851
Conc: 45.29 ng/ml

Instrument :

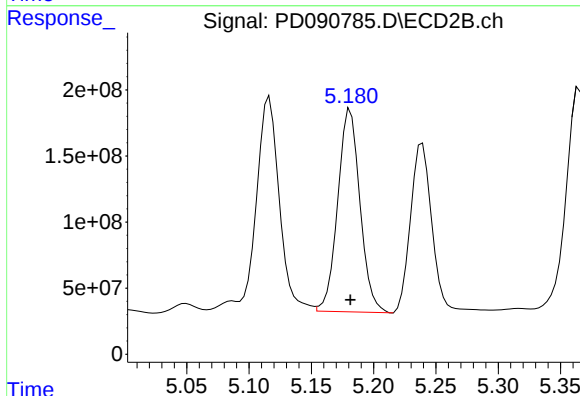
ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

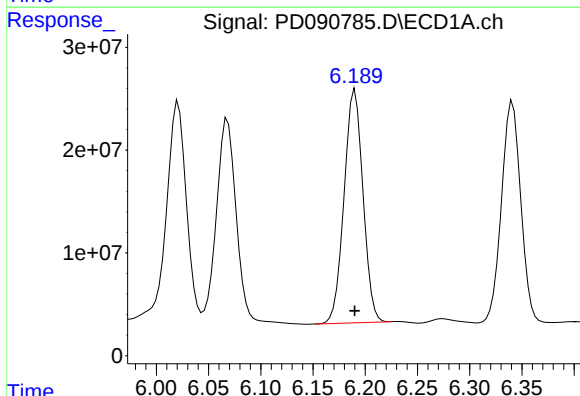
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



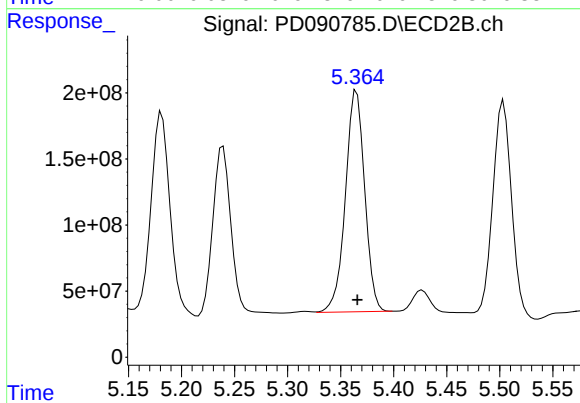
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1913866255
Conc: 44.37 ng/ml



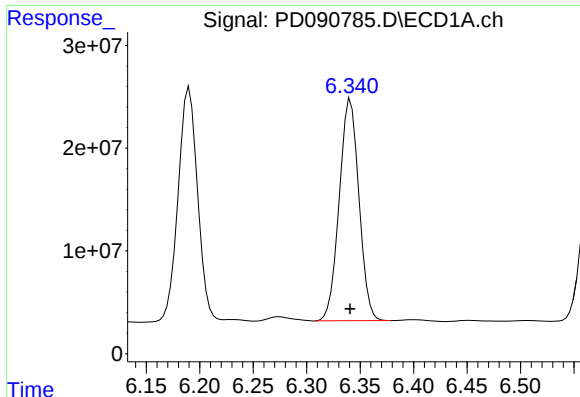
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 285369023
Conc: 53.57 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2111962604
Conc: 48.18 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 276700269
Conc: 47.45 ng/ml

Instrument :

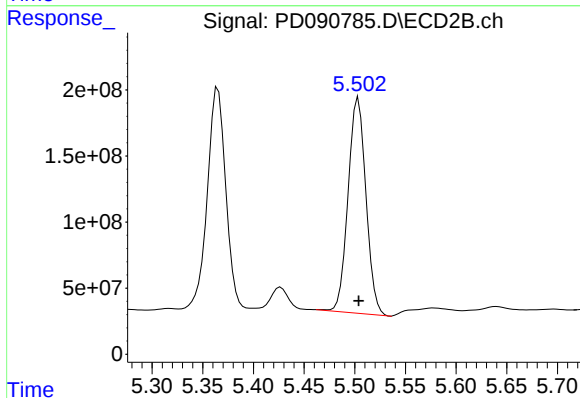
ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

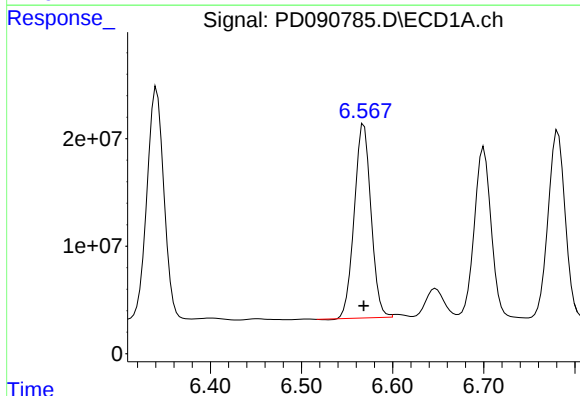
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



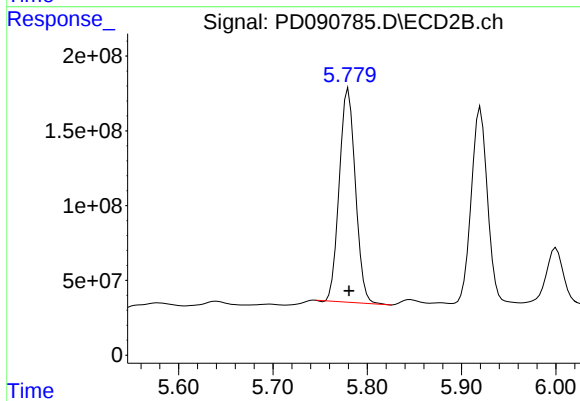
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1999882963
Conc: 45.26 ng/ml



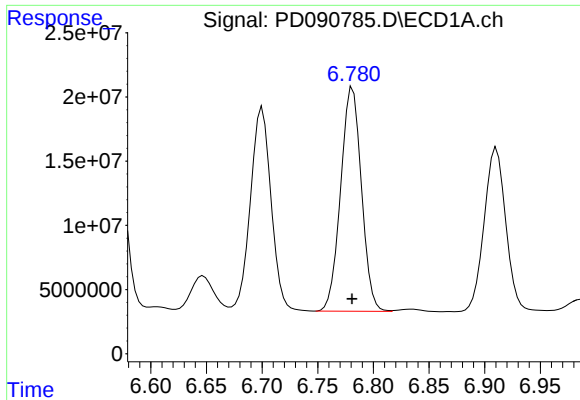
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 229312566
Conc: 46.29 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1698301628
Conc: 41.94 ng/ml



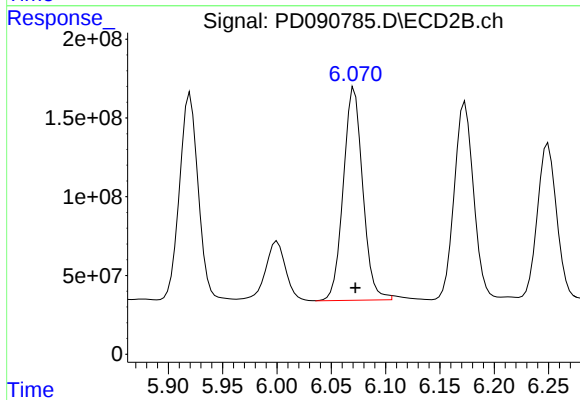
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 226817654
Conc: 45.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

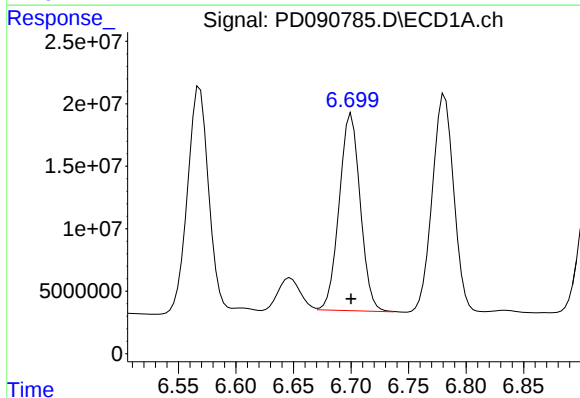
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



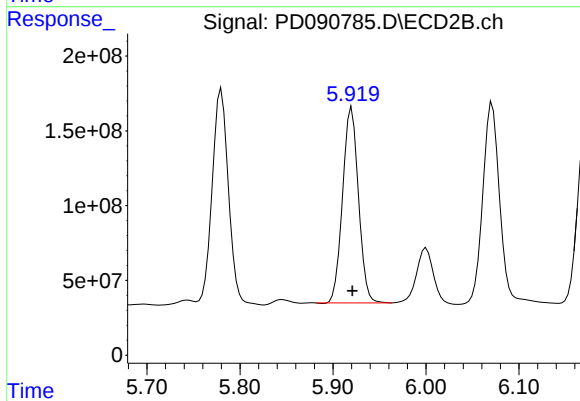
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1680384616
Conc: 44.74 ng/ml m



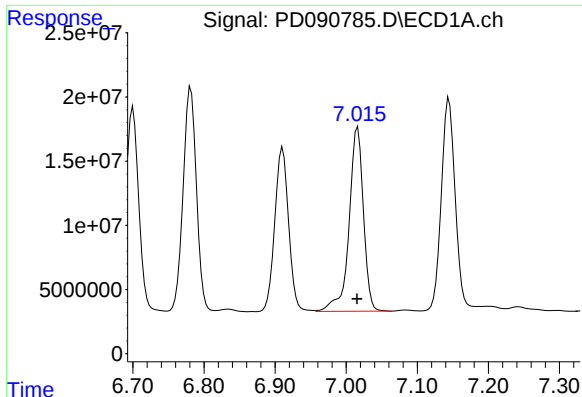
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 200879145
Conc: 49.55 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1547062646
Conc: 42.46 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 201459478
Conc: 49.01 ng/ml

Instrument :

ECD_D

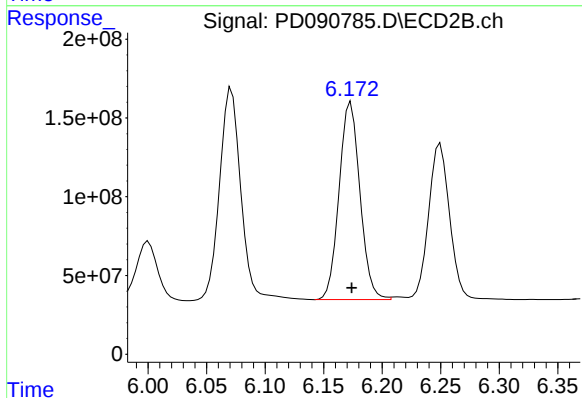
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

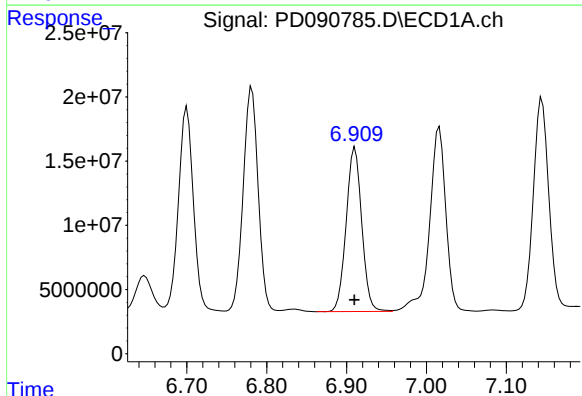
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



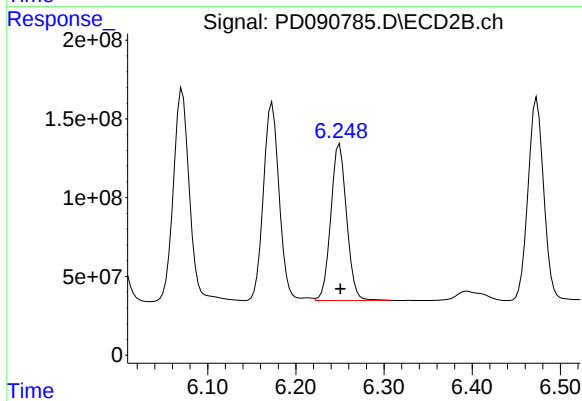
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1556816565
Conc: 44.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 173045513
Conc: 47.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1230012330
Conc: 44.42 ng/ml

Response_ Signal: PD090785.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 217313901
Conc: 46.85 ng/ml

Instrument :

ECD_D

ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090785.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1582152981
Conc: 44.14 ng/ml

Time

Response_ Signal: PD090785.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 101657606
Conc: 47.83 ng/ml

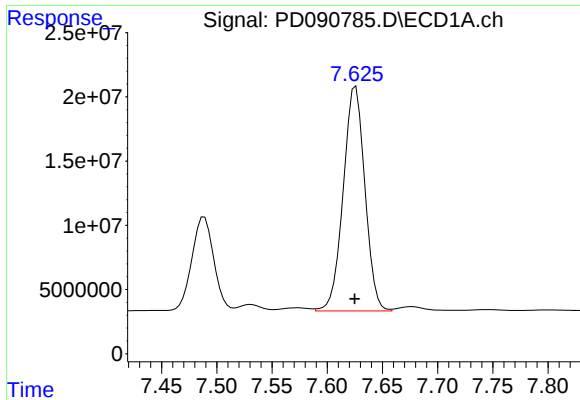
Time

Response_ Signal: PD090785.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 815164786
Conc: 46.77 ng/ml

Time



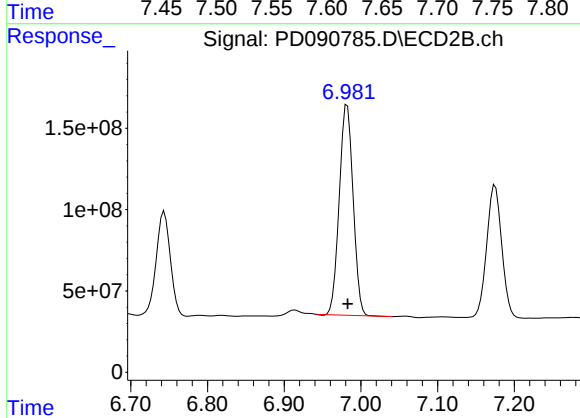
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 238588310
Conc: 49.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

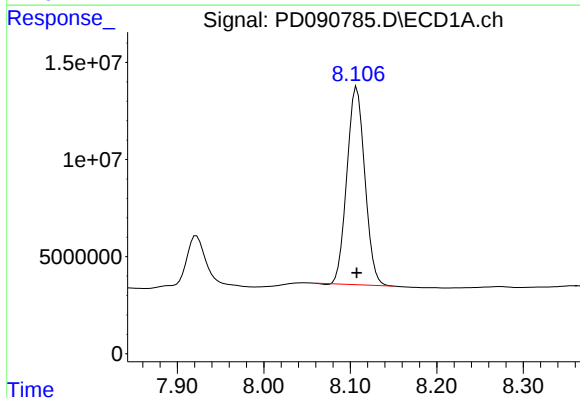
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



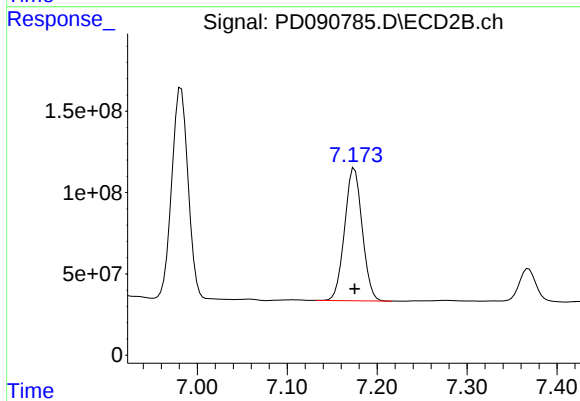
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1622740096
Conc: 43.02 ng/ml



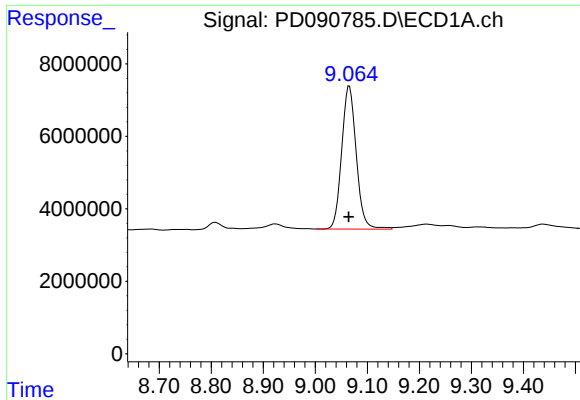
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 145856859
Conc: 45.57 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1110658534
Conc: 43.23 ng/ml



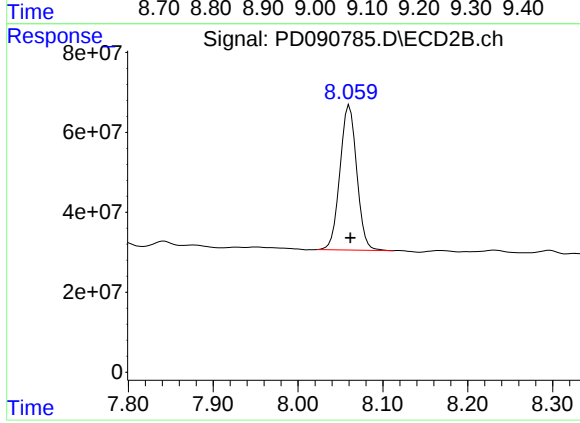
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 76677754
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 497943927
Conc: 16.44 ng/ml

Manual Integration Report

Sequence:	pd101725	Instrument	ECD_d
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090648.D	Endrin aldehyde	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090648.D	Endrin ketone #2	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
RESCHK	PD090649.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:20:37 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	alpha-Chlordane	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Endrin ketone	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PTOXICV500	PD090667.D	Toxaphene-5 #2	Abdul	10/21/2025 8:49:16 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD #2	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	Endrin aldehyde	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd102325	Instrument	ECD_d
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090776.D	4,4"-DDD	Abdul	10/24/2025 9:14:01 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-01	PD090782.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:48 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-02	PD090783.D	4,4"-DDD	Abdul	10/24/2025 9:13:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-02	PD090783.D	4,4"-DDD #2	Abdul	10/24/2025 9:13:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-02	PD090783.D	Dieldrin	Abdul	10/24/2025 9:13:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-02	PD090783.D	Dieldrin #2	Abdul	10/24/2025 9:13:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-02	PD090783.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	4,4"-DDD	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	beta-BHC #2	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	Endosulfan II #2	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	gamma-Chlordane	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	gamma-Chlordane #2	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-03MS	PD090784.D	Heptachlor epoxide	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd102325	Instrument	ECD_d
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3395-03MS	PD090784.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	4,4"-DDD	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	beta-BHC	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	beta-BHC #2	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	Endosulfan II #2	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	gamma-Chlordane	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-04MSD	PD090785.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:32 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-05	PD090786.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:28 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3395-06	PD090787.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:13:24 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
PEM	PD090800.D	4,4"-DDD	Abdul	10/24/2025 9:12:34 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
PEM	PD090800.D	Endrin aldehyde	Abdul	10/24/2025 9:12:34 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090646.D	17 Oct 2025 10:40	AR\AJ	Ok
2	I.BLK	PD090647.D	17 Oct 2025 10:53	AR\AJ	Ok
3	PEM	PD090648.D	17 Oct 2025 11:07	AR\AJ	Ok,M
4	RESCHK	PD090649.D	17 Oct 2025 11:20	AR\AJ	Ok,M
5	PSTDICC100	PD090650.D	17 Oct 2025 11:34	AR\AJ	Ok
6	PSTDICC075	PD090651.D	17 Oct 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PD090652.D	17 Oct 2025 12:01	AR\AJ	Ok
8	PSTDICC025	PD090653.D	17 Oct 2025 12:15	AR\AJ	Ok
9	PSTDICC005	PD090654.D	17 Oct 2025 12:28	AR\AJ	Ok,M
10	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PD090656.D	17 Oct 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PD090657.D	17 Oct 2025 13:09	AR\AJ	Ok
13	PCHLORICC250	PD090658.D	17 Oct 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PD090659.D	17 Oct 2025 13:36	AR\AJ	Ok,M
15	PTOXICC1000	PD090660.D	17 Oct 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PD090661.D	17 Oct 2025 14:03	AR\AJ	Ok
17	PTOXICC500	PD090662.D	17 Oct 2025 14:17	AR\AJ	Ok
18	PTOXICC250	PD090663.D	17 Oct 2025 14:30	AR\AJ	Ok
19	PTOXICC100	PD090664.D	17 Oct 2025 16:18	AR\AJ	Ok
20	PSTDICV050	PD090665.D	17 Oct 2025 16:46	AR\AJ	Ok
21	PCHLORICV500	PD090666.D	17 Oct 2025 17:50	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090667.D	17 Oct 2025 18:42	AR\AJ	Ok,M
23	I.BLK	PD090668.D	17 Oct 2025 19:50	AR\AJ	Ok
24	PEM	PD090669.D	17 Oct 2025 20:04	AR\AJ	Ok,M
25	PSTDCCC050	PD090670.D	17 Oct 2025 20:18	AR\AJ	Ok
26	PB170142BL	PD090671.D	17 Oct 2025 20:31	AR\AJ	Ok
27	PB170142BS	PD090672.D	17 Oct 2025 20:45	AR\AJ	Ok
28	Q3366-01	PD090673.D	17 Oct 2025 20:59	AR\AJ	Ok,M
29	Q3366-03	PD090674.D	17 Oct 2025 21:12	AR\AJ	Ok,M
30	Q3367-01	PD090675.D	17 Oct 2025 21:26	AR\AJ	Ok,M
31	Q3369-01	PD090676.D	17 Oct 2025 21:40	AR\AJ	Ok,M
32	Q3369-05	PD090677.D	17 Oct 2025 21:53	AR\AJ	Ok,M
33	Q3363-01	PD090678.D	17 Oct 2025 22:48	AR\AJ	Ok,M
34	Q3363-02	PD090679.D	17 Oct 2025 23:02	AR\AJ	Ok,M
35	Q3363-03	PD090680.D	17 Oct 2025 23:15	AR\AJ	Ok,M
36	Q3363-04	PD090681.D	17 Oct 2025 23:29	AR\AJ	Ok,M
37	Q3363-04MS	PD090682.D	17 Oct 2025 23:43	AR\AJ	Ok,M
38	Q3363-04MSD	PD090683.D	17 Oct 2025 23:56	AR\AJ	Ok,M
39	Q3363-05	PD090684.D	18 Oct 2025 00:10	AR\AJ	Ok,M
40	Q3343-04MS	PD090685.D	18 Oct 2025 00:24	AR\AJ	Ok,M
41	Q3343-04MSD	PD090686.D	18 Oct 2025 00:37	AR\AJ	Ok
42	I.BLK	PD090687.D	18 Oct 2025 00:51	AR\AJ	Ok
43	PSTDCCC050	PD090688.D	18 Oct 2025 02:13	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102325

Review By	Abdul	Review On	10/24/2025 9:15:27 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:14 AM
SubDirectory	PD102325	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090774.D	23 Oct 2025 09:11	AR\AJ	Ok
2	I.BLK	PD090775.D	23 Oct 2025 09:24	AR\AJ	Ok
3	PEM	PD090776.D	23 Oct 2025 09:38	AR\AJ	Ok,M
4	PSTDCCC050	PD090777.D	23 Oct 2025 09:51	AR\AJ	Ok
5	PB170213BL	PD090778.D	23 Oct 2025 13:16	AR\AJ	Ok
6	PB170213BS	PD090779.D	23 Oct 2025 13:30	AR\AJ	Ok
7	Q3406-01	PD090780.D	23 Oct 2025 13:49	AR\AJ	Ok
8	Q3412-01	PD090781.D	23 Oct 2025 14:03	AR\AJ	Ok,M
9	Q3395-01	PD090782.D	23 Oct 2025 14:16	AR\AJ	Ok,M
10	Q3395-02	PD090783.D	23 Oct 2025 14:30	AR\AJ	Ok,M
11	Q3395-03MS	PD090784.D	23 Oct 2025 14:44	AR\AJ	Ok,M
12	Q3395-04MSD	PD090785.D	23 Oct 2025 14:57	AR\AJ	Ok,M
13	Q3395-05	PD090786.D	23 Oct 2025 15:11	AR\AJ	Ok,M
14	Q3395-06	PD090787.D	23 Oct 2025 15:25	AR\AJ	Ok,M
15	I.BLK	PD090788.D	23 Oct 2025 15:38	AR\AJ	Ok
16	PSTDCCC050	PD090789.D	23 Oct 2025 15:52	AR\AJ	Ok
17	Q3419-01	PD090790.D	23 Oct 2025 16:06	AR\AJ	Ok,M
18	Q3419-02MS	PD090791.D	23 Oct 2025 16:19	AR\AJ	Not Ok
19	Q3419-03MSD	PD090792.D	23 Oct 2025 16:33	AR\AJ	Not Ok
20	Q3419-04	PD090793.D	23 Oct 2025 16:47	AR\AJ	Ok,M
21	Q3419-05	PD090794.D	23 Oct 2025 17:00	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102325

Review By	Abdul	Review On	10/24/2025 9:15:27 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:14 AM
SubDirectory	PD102325	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3422-01	PD090795.D	23 Oct 2025 17:14	AR\AJ	Ok,M
23	Q3424-01	PD090796.D	23 Oct 2025 17:28	AR\AJ	Ok,M
24	Q3424-02	PD090797.D	23 Oct 2025 17:41	AR\AJ	Ok,M
25	Q3424-03	PD090798.D	23 Oct 2025 17:55	AR\AJ	Ok,M
26	I.BLK	PD090799.D	23 Oct 2025 18:09	AR\AJ	Ok
27	PEM	PD090800.D	23 Oct 2025 18:22	AR\AJ	Ok,M
28	PSTDCCC050	PD090801.D	23 Oct 2025 18:36	AR\AJ	Ok
29	Q3427-01	PD090802.D	23 Oct 2025 19:17	AR\AJ	Ok,M
30	Q3431-01	PD090803.D	23 Oct 2025 19:30	AR\AJ	Ok,M
31	Q3434-01	PD090804.D	23 Oct 2025 19:44	AR\AJ	Ok,M
32	I.BLK	PD090805.D	23 Oct 2025 19:58	AR\AJ	Ok
33	PSTDCCC050	PD090806.D	23 Oct 2025 20:11	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090646.D	17 Oct 2025 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD090647.D	17 Oct 2025 10:53		AR\AJ	Ok
3	PEM	PEM	PD090648.D	17 Oct 2025 11:07		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090649.D	17 Oct 2025 11:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PD090650.D	17 Oct 2025 11:34		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090651.D	17 Oct 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090652.D	17 Oct 2025 12:01		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090653.D	17 Oct 2025 12:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090654.D	17 Oct 2025 12:28		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090656.D	17 Oct 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090657.D	17 Oct 2025 13:09		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090658.D	17 Oct 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090659.D	17 Oct 2025 13:36		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090660.D	17 Oct 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090661.D	17 Oct 2025 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090662.D	17 Oct 2025 14:17		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090663.D	17 Oct 2025 14:30		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090664.D	17 Oct 2025 16:18		AR\AJ	Ok
20	PSTDICV050	ICVPD101725	PD090665.D	17 Oct 2025 16:46		AR\AJ	Ok
21	PCHLORICV500	ICVPD101725CHLOR	PD090666.D	17 Oct 2025 17:50		AR\AJ	Ok
22	PTOXICV500	ICVPD101725TOX	PD090667.D	17 Oct 2025 18:42		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD090668.D	17 Oct 2025 19:50		AR\AJ	Ok
24	PEM	PEM	PD090669.D	17 Oct 2025 20:04		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090670.D	17 Oct 2025 20:18		AR\AJ	Ok
26	PB170142BL	PB170142BL	PD090671.D	17 Oct 2025 20:31		AR\AJ	Ok
27	PB170142BS	PB170142BS	PD090672.D	17 Oct 2025 20:45		AR\AJ	Ok
28	Q3366-01	TR-06-101625	PD090673.D	17 Oct 2025 20:59		AR\AJ	Ok,M
29	Q3366-03	TR-1-101625	PD090674.D	17 Oct 2025 21:12		AR\AJ	Ok,M
30	Q3367-01	BU-03-101625	PD090675.D	17 Oct 2025 21:26		AR\AJ	Ok,M
31	Q3369-01	MH-22	PD090676.D	17 Oct 2025 21:40		AR\AJ	Ok,M
32	Q3369-05	MH-21	PD090677.D	17 Oct 2025 21:53		AR\AJ	Ok,M
33	Q3363-01	PR132-SO1-085011-20	PD090678.D	17 Oct 2025 22:48		AR\AJ	Ok,M
34	Q3363-02	PR132-SO1-039085-20	PD090679.D	17 Oct 2025 23:02		AR\AJ	Ok,M
35	Q3363-03	PR132-SO3-028010-20	PD090680.D	17 Oct 2025 23:15		AR\AJ	Ok,M
36	Q3363-04	PR132-SO3-010013-20	PD090681.D	17 Oct 2025 23:29		AR\AJ	Ok,M
37	Q3363-04MS	PR132-SO3-010013-20	PD090682.D	17 Oct 2025 23:43		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q3363-04MSD	PR132-SO3-010013-20	PD090683.D	17 Oct 2025 23:56		AR\AJ	Ok,M
39	Q3363-05	COMP01-20251015	PD090684.D	18 Oct 2025 00:10		AR\AJ	Ok,M
40	Q3343-04MS	SOIL-ROLLOFF-WC-1	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-1	PD090686.D	18 Oct 2025 00:37		AR\AJ	Ok
42	I.BLK	I.BLK	PD090687.D	18 Oct 2025 00:51		AR\AJ	Ok
43	PSTDCCC050	PSTDCCC050	PD090688.D	18 Oct 2025 02:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102325

Review By	Abdul	Review On	10/24/2025 9:15:27 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:14 AM
SubDirectory	PD102325	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	P24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090774.D	23 Oct 2025 09:11		AR\AJ	Ok
2	I.BLK	I.BLK	PD090775.D	23 Oct 2025 09:24		AR\AJ	Ok
3	PEM	PEM	PD090776.D	23 Oct 2025 09:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090777.D	23 Oct 2025 09:51		AR\AJ	Ok
5	PB170213BL	PB170213BL	PD090778.D	23 Oct 2025 13:16		AR\AJ	Ok
6	PB170213BS	PB170213BS	PD090779.D	23 Oct 2025 13:30		AR\AJ	Ok
7	Q3406-01	ARS20-0037	PD090780.D	23 Oct 2025 13:49		AR\AJ	Ok
8	Q3412-01	TP-6	PD090781.D	23 Oct 2025 14:03		AR\AJ	Ok,M
9	Q3395-01	PR132-S09-000051-20	PD090782.D	23 Oct 2025 14:16		AR\AJ	Ok,M
10	Q3395-02	PR132-S07-000102-20	PD090783.D	23 Oct 2025 14:30		AR\AJ	Ok,M
11	Q3395-03MS	PR132-S07-000102-20	PD090784.D	23 Oct 2025 14:44		AR\AJ	Ok,M
12	Q3395-04MSD	PR132-S07-000102-20	PD090785.D	23 Oct 2025 14:57		AR\AJ	Ok,M
13	Q3395-05	PR132-S07-102116-20	PD090786.D	23 Oct 2025 15:11		AR\AJ	Ok,M
14	Q3395-06	PR132-COMP03-2025	PD090787.D	23 Oct 2025 15:25		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD090788.D	23 Oct 2025 15:38		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD090789.D	23 Oct 2025 15:52		AR\AJ	Ok
17	Q3419-01	PR-132-S16-015094-20	PD090790.D	23 Oct 2025 16:06		AR\AJ	Ok,M
18	Q3419-02MS	PR-132-S16-015094-20	PD090791.D	23 Oct 2025 16:19		AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102325

Review By	Abdul	Review On	10/24/2025 9:15:27 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:14 AM
SubDirectory	PD102325	HP Acquire Method	HP Processing Method
			pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3419-03MSD	PR-132-S16-015094-20	PD090792.D	23 Oct 2025 16:33	F Flag in 2nd column	AR\AJ	Not Ok
20	Q3419-04	PR132-S16-119133-20	PD090793.D	23 Oct 2025 16:47		AR\AJ	Ok,M
21	Q3419-05	PR132-S16-094119-20	PD090794.D	23 Oct 2025 17:00		AR\AJ	Ok,M
22	Q3422-01	PR132-S15-000008-20	PD090795.D	23 Oct 2025 17:14		AR\AJ	Ok,M
23	Q3424-01	PR132-DP3-20251021	PD090796.D	23 Oct 2025 17:28		AR\AJ	Ok,M
24	Q3424-02	PR132-S11-010080-20	PD090797.D	23 Oct 2025 17:41		AR\AJ	Ok,M
25	Q3424-03	PR132-S14-000094-20	PD090798.D	23 Oct 2025 17:55		AR\AJ	Ok,M
26	I.BLK	I.BLK	PD090799.D	23 Oct 2025 18:09		AR\AJ	Ok
27	PEM	PEM	PD090800.D	23 Oct 2025 18:22		AR\AJ	Ok,M
28	PSTDCCC050	PSTDCCC050	PD090801.D	23 Oct 2025 18:36		AR\AJ	Ok
29	Q3427-01	TP-8	PD090802.D	23 Oct 2025 19:17	DCB high in 1st column	AR\AJ	Ok,M
30	Q3431-01	EO-02-10222025	PD090803.D	23 Oct 2025 19:30		AR\AJ	Ok,M
31	Q3434-01	PR132-WC1-20251022	PD090804.D	23 Oct 2025 19:44		AR\AJ	Ok,M
32	I.BLK	I.BLK	PD090805.D	23 Oct 2025 19:58		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PD090806.D	23 Oct 2025 20:11		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137589

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3368-06	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-07	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3393-01	PR132-S10-000022-20251017	3	1.17	10.44	11.61	7.02	56.0	
Q3393-02	PR132-S10-022047-20251017	4	1.14	10.48	11.62	6.8	54.0	
Q3393-03	PR132-S08-013038-20251017	5	1.11	10.85	11.96	6.84	52.8	
Q3393-04	PR132-S06-000021-20251017	6	1.13	10.50	11.63	7.03	56.2	
Q3393-05	PR132-S08-000013-20251017	7	1.12	10.53	11.65	6.6	52.0	
Q3395-01	PR132-S09-000051-20251017	8	1.15	10.48	11.63	6.69	52.9	
Q3395-02	PR132-S07-000102-20251017	9	1.14	10.21	11.35	6.03	47.9	
Q3395-03	Q3395-02MS	10	1.14	10.21	11.35	6.03	47.9	
Q3395-04	Q3395-02MSD	11	1.14	10.21	11.35	6.03	47.9	
Q3395-05	PR132-S07-102116-20251017	12	1.13	10.12	11.25	6.33	51.4	
Q3395-06	PR132-COMP03-20251017	13	1.15	10.74	11.89	8.65	69.8	
Q3395-07	PR132-S08-038048-20251017	14	1.15	10.68	11.83	7.41	58.6	
Q3396-01	A	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-02	B	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-03	C	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3397-01	TP-7-WC	18	1.14	10.67	11.81	10.66	89.2	
Q3397-02	TP-7-EPH	19	1.18	10.18	11.36	9.81	84.8	
Q3397-03	TP-7-VOC	20	1.14	10.66	11.8	10.55	88.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB137584

WorkList Name : % SOLID-102025

WorkList ID : 192564

Department : Wet-Chemistry

Date : 10-20-2025 15:56:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-07	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3393-01	PR132-S10-000022-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-02	PR132-S10-022047-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-03	PR132-S08-013038-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-04	PR132-S06-000021-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-05	PR132-S08-000013-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-01	PR132-S09-000051-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-02	PR132-S07-000102-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-03	Q3395-02MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-04	Q3395-02MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-05	PR132-S07-102116-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-06	PR132-COMP03-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-07	PR132-S08-038048-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3396-01	A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-02	B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-03	C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3397-01	TP-7-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO

Date/Time

10/20/25 16:20

Raw Sample Received by:

JLW

Raw Sample Relinquished by:

JLW

Date/Time

10/20/25

Raw Sample Received by:

JLW

Raw Sample Relinquished by:

JLW

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/23/2025

Extraction Start Time : 08:35

Extraction End Date : 10/23/2025

Extraction End Time : 11:55

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Hexane	N/A	E3978
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
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:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/25	RS (Ext Lab)	RS, PCSI/PCIS Lab
12:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/23/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170213BL	PBLK213	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U4-1
PB170213BS	PLCS213	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q3395-01	PR132-S09-000051-20251017	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q3395-02	PR132-S07-000102-20251017	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q3395-03	Q3395-02MS	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q3395-04	Q3395-02MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q3395-05	PR132-S07-102116-20251017	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U6-1
Q3395-06	PR132-COMP03-20251017	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		2
Q3395-07	PR132-S08-038048-20251017	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			
Q3406-01	ARS20-0037	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		3
Q3412-01	TP-6	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q3419-01	PR-132-S16-015094-20251021	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q3419-02	Q3419-01MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q3419-03	Q3419-01MSD	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q3419-04	PR-132-S16-119133-20251021	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q3419-05	PR-132-S16-094119-20251021	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q3422-01	PR132-S15-000008-20251017	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	F		4
Q3424-01	PR132-DP3-20251021	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q3424-02	PR132-S11-010080-20251021	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	F		6
Q3424-03	PR132-S14-00094-20251021	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q3427-01	TP-8	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q3431-01	EO-02-10222025	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q3434-01	PR132-WC1-20251022	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3419 WorkList ID : 192631 Department : Extraction Date : 10-23-2025 08:31:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3395-01	PR132-S09-000051-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3395-02	PR132-S07-000102-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3395-03	Q3395-02MS	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3395-04	Q3395-02MSD	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3395-05	PR132-S07-102116-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3395-06	PR132-COMP03-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3406-01	ARS20-0037	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/20/2025	8081B
Q3412-01	TP-6	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/20/2025	8081B
Q3419-01	PR-132-S16-015094-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3419-02	Q3419-01MS	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3419-03	Q3419-01MSD	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3419-04	PR-132-S16-119133-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3419-05	PR-132-S16-094119-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3422-01	PR132-S15-000008-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/21/2025	8081B
Q3424-01	PR132-DP3-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/21/2025	8081B
Q3424-02	PR132-S11-010080-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/21/2025	8081B
Q3424-03	PR132-S14-00094-20251021	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/21/2025	8081B
Q3427-01	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/21/2025	8081B
Q3431-01	EO-02-10222025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	10/22/2025	8081B
Q3434-01	PR132-WC1-20251022	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D41	10/22/2025	8081B

Date/Time: 10/23/25 8:31
 Raw Sample Received by: R.J. (Ext-1066)
 Raw Sample Relinquished by: R.J. (Ext-1066)

Prep Standard - Chemical Standard Summary

Order ID : Q3395
Test : Pesticide-TCL
Prepbatch ID : PB170213,
Sequence ID/Qc Batch ID: Pd102325,

Standard ID :
EP2643,EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :
E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P24754,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
10/10/2025								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = 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>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = 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)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = 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>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = 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	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = 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>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = 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>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = 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	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = 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>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = 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>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = 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>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = 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>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = 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>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of PP24749 = 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>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = 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>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

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)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M07456	04/03/2026	10/03/2025 / Evelyn	10/03/2025 / Evelyn	E3976

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

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	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Recd. by RI on 6/11/25

Harout Sahagian - Quality Control Manager - Fair Lawn

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

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.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

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

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

E3972

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



E 3976



Cleanert Florisil
1g/6ml 30/pkg
LOT#:M07456
MFG#:G02147
CAT#FS0006
固相萃取产品
Made in China
Agela Technologies

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
 ↓
 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.)

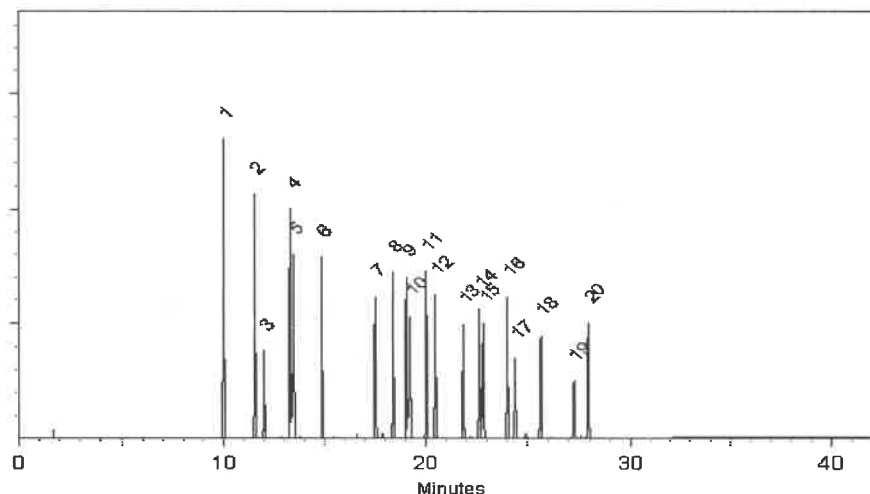
Inj. Temp:
 200°C

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: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

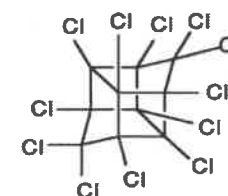
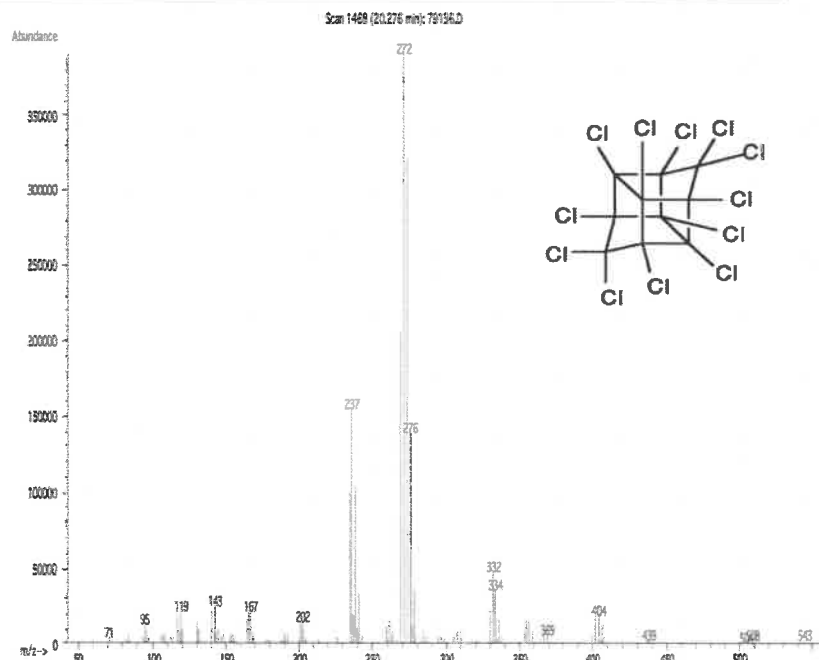
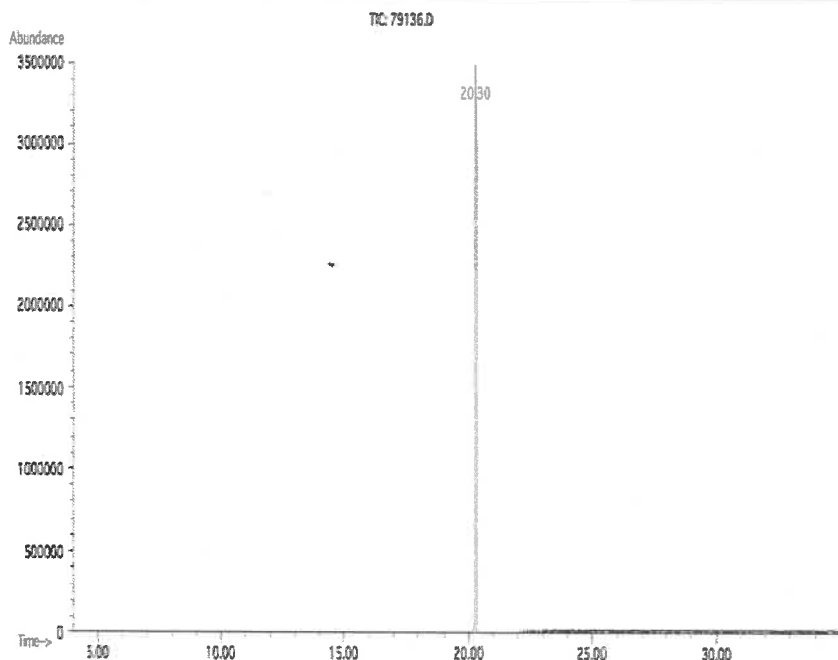
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

SDS Information
(Solvent Safety Info. On Attached pg.)
Expanded Uncertainty (+/-) (µg/mL)
CAS# OSHA PEL (TWA) LD50

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)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening 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).

01/17/2024
HMF
D 13/199
D 13/199
5



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

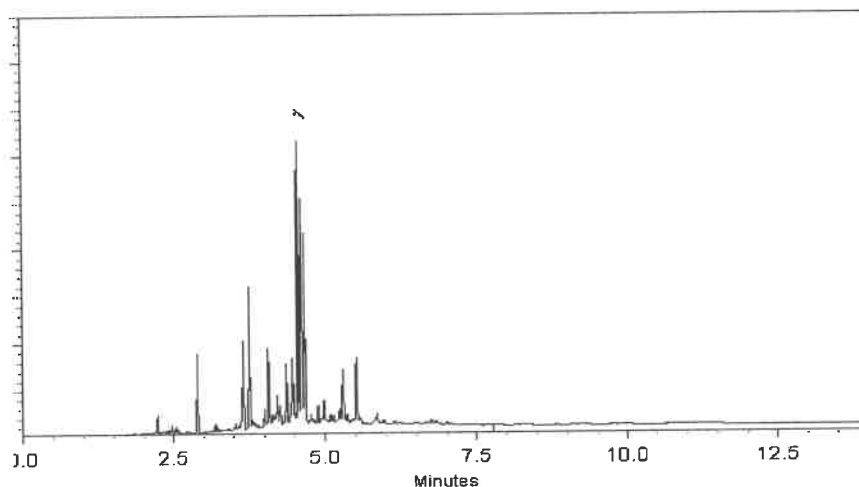
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

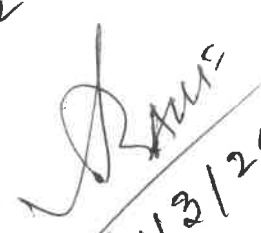
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

Handwritten: P 12606, P 12610, 5 Five, 7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. { hold 10 min.}

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

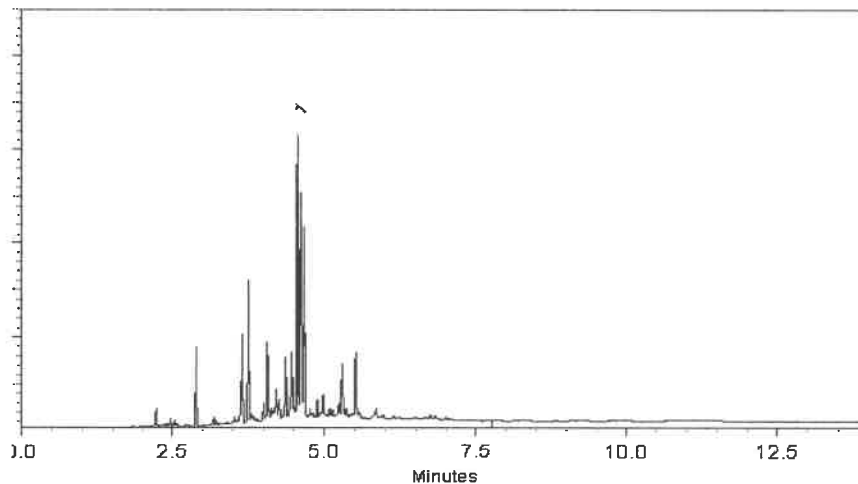
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

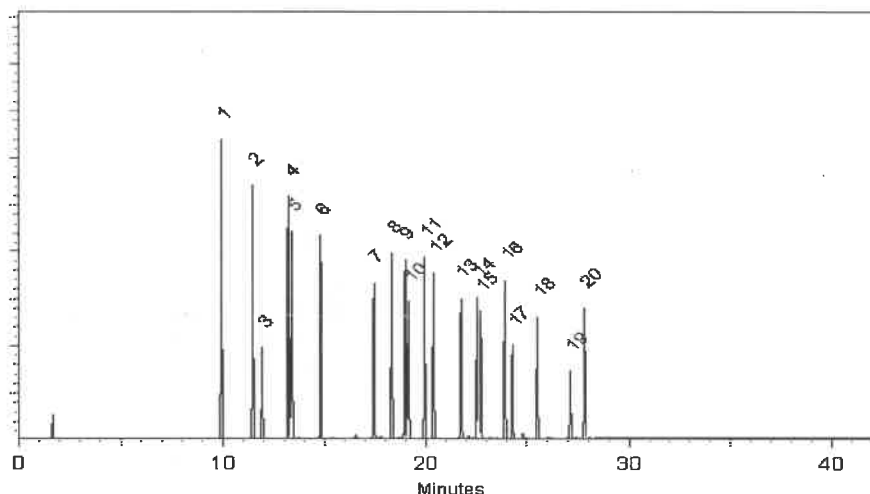
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **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

P13243 } (5)
 ↓
 P13247 }
 ↓
 1

• 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).

02/9/2024



110 Benner Circle
Belleville, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

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%

P13773
↓
P13779
AI
11/19/24
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:

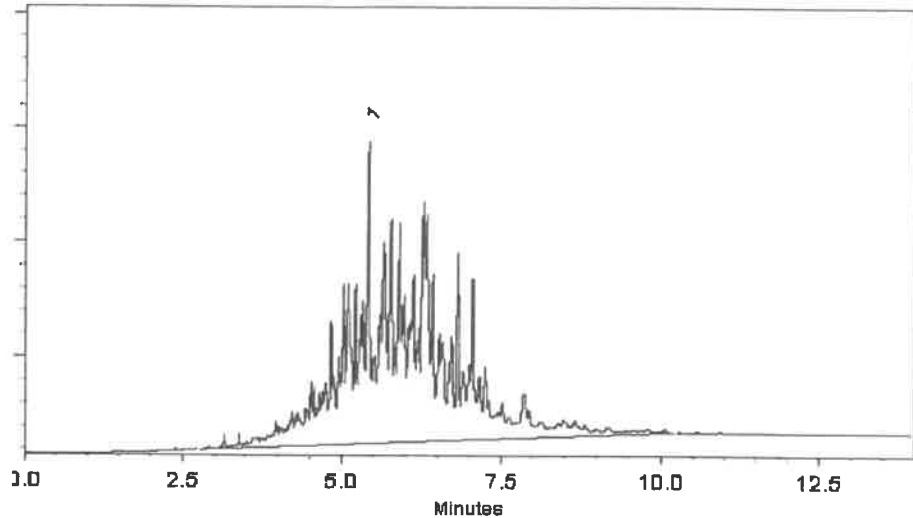
ECD

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

Handwritten notes:

- P13388
- ↓
- P13389
- ↓
- P13773
- ↓
- P13779
- ↓
- AJ
- 11/19/24
- 05-06-2024



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. : 32074 **Lot No.:** A0213999

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,
 Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780
 ↓
 P13784
 AJ
 11/19/20

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%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
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 .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:

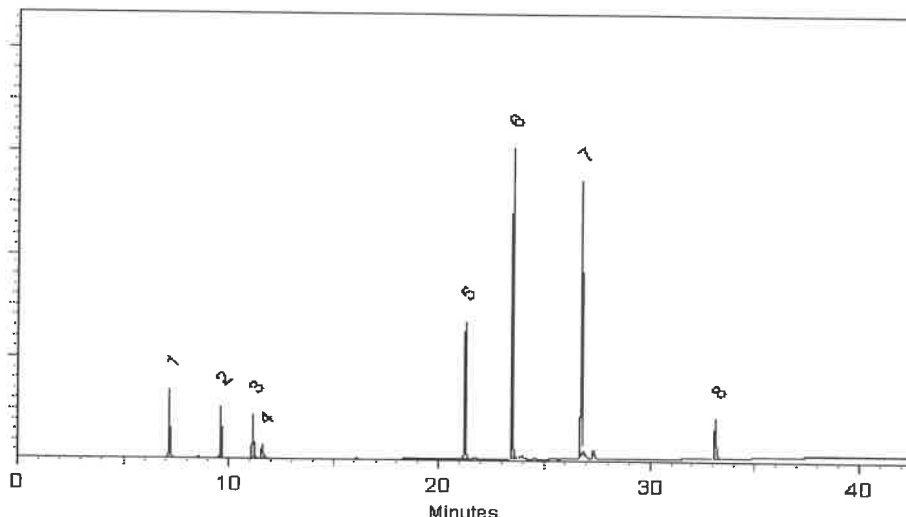
ECD

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.

Malina Homan
Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

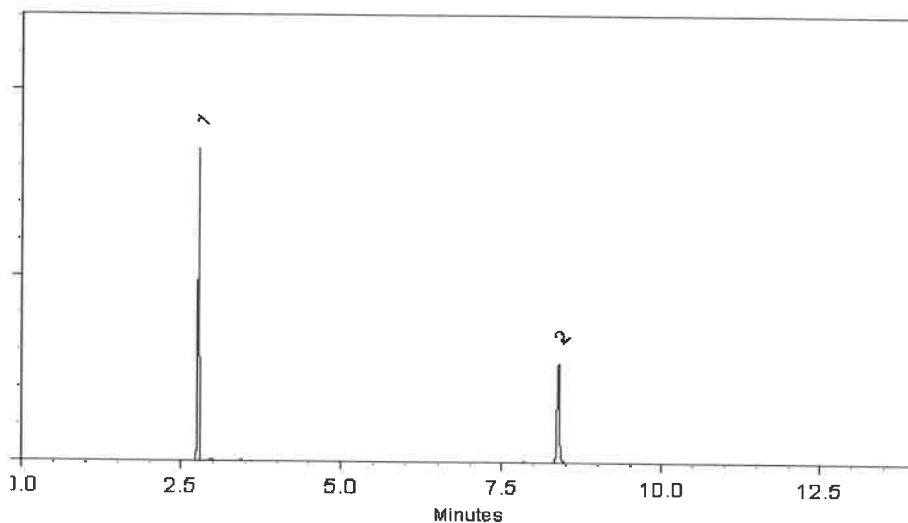
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

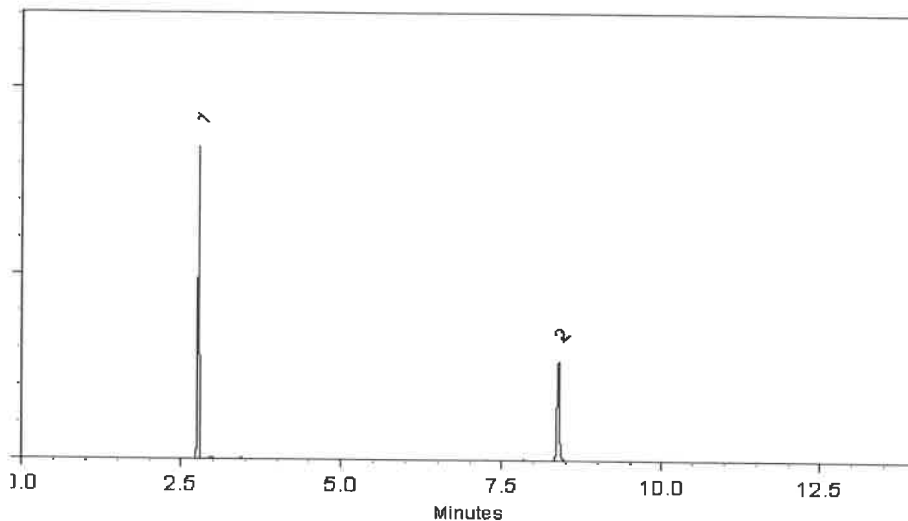
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

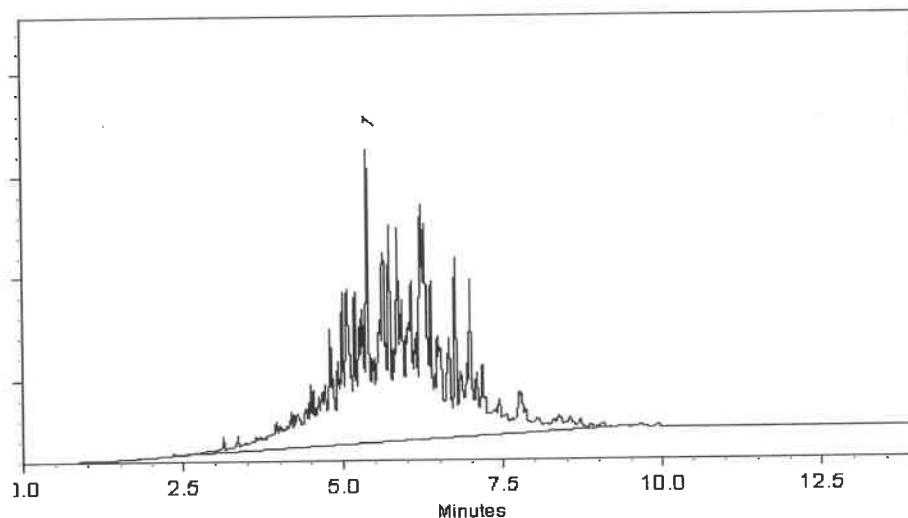
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

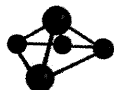

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }
↑

12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#: **102669**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL):

200.0

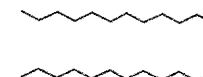
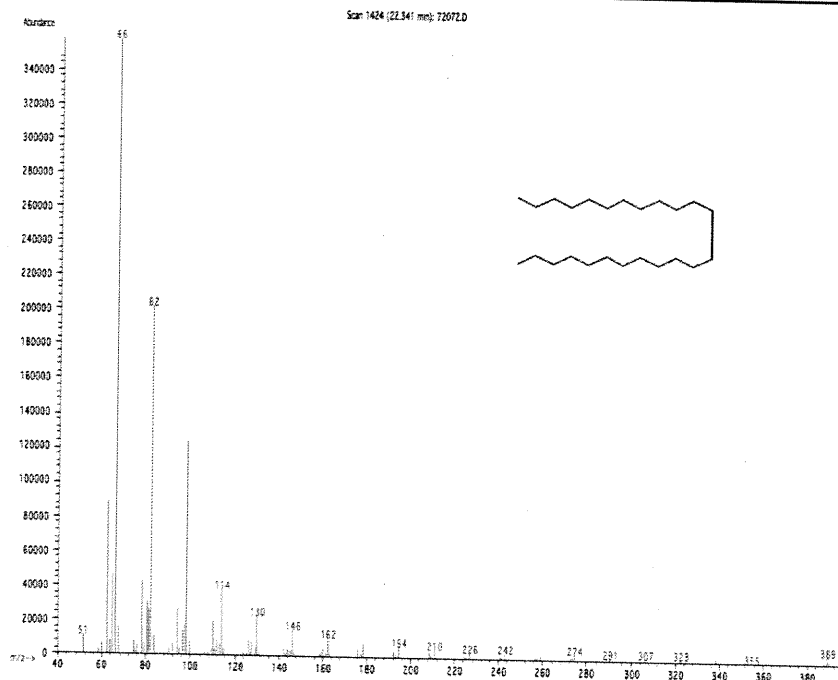
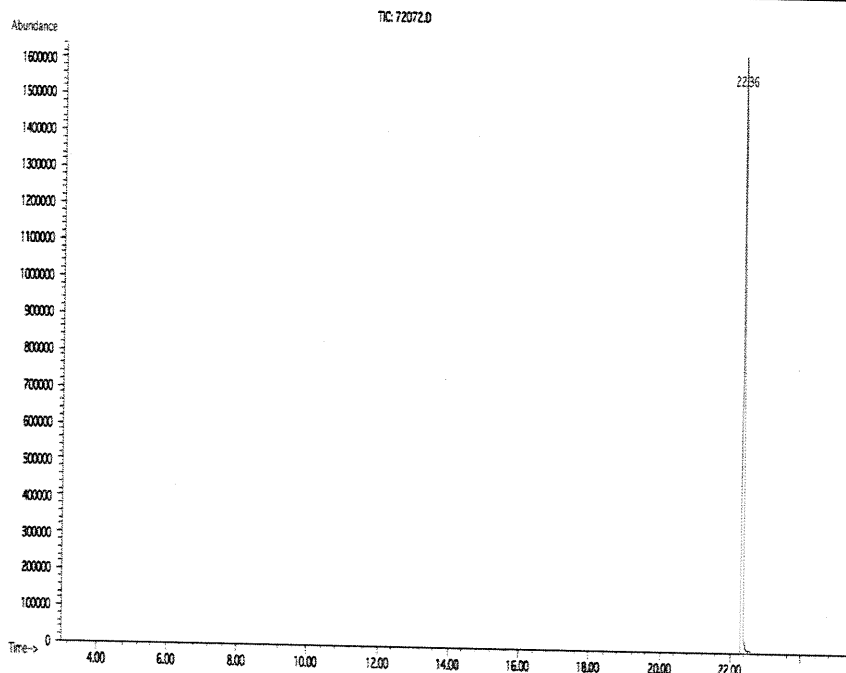
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Received by
SG on 11/1/19
P9044 - P9053

		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

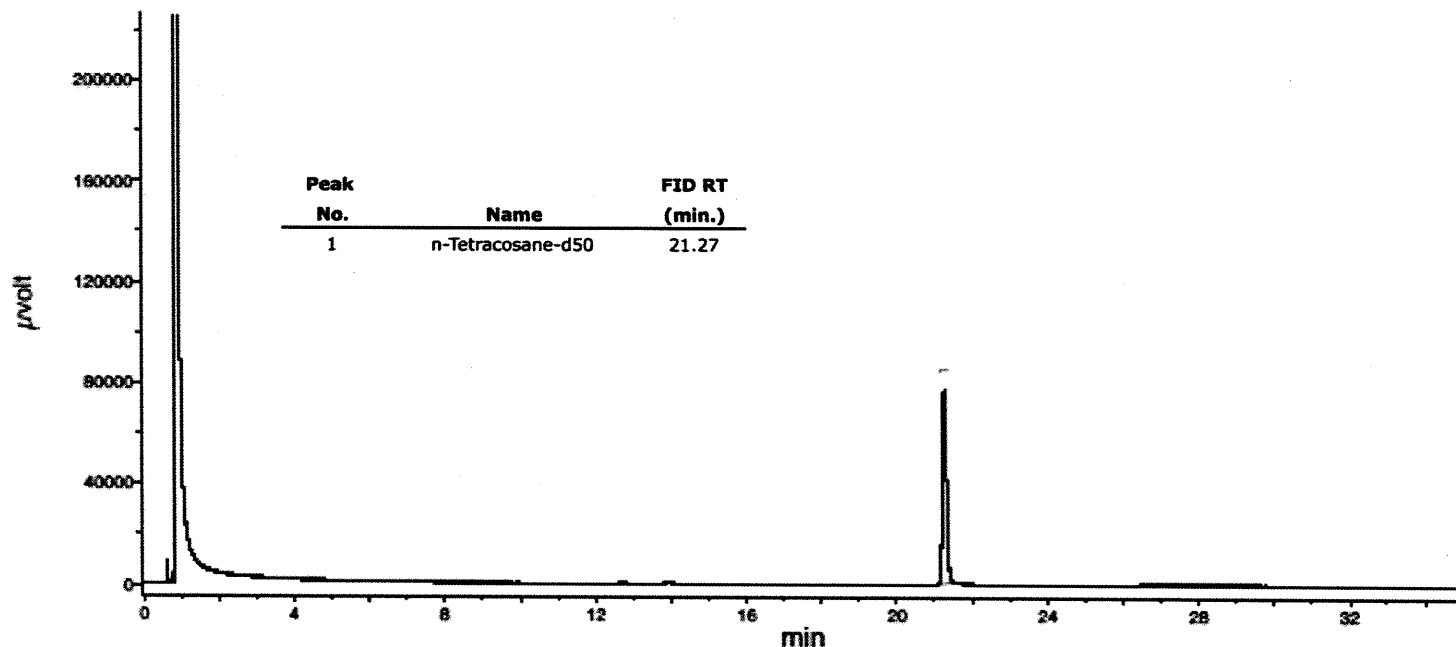
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: Same FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: same
CITY: STATE: ZIP:
ATTENTION: Rob Forstner PHONE: same

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. SVOCs 2. Pesticides TCL 3. Mercury Metals 4. PCBs Hexachlor 5. Dioxin 6. Gram Size 7. TOCS 8. VOCs 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	PR132-S09-000051-20251017	S		X	10/17	1255	11	X	X	X	X	X	X	X	X			
2.	PR132-S07-000102-20251017	S		X	10/17	1140	11	X	X	X	X	X	X	X	X			
3.	PR132-S07-000102-20251017MSD	S		X	10/17	1140	10	X	X	X	X	X		X	X			
4.	PR132-S07-000102-20251017MS	S		X	10/17	1140	10	X	X	X	X	X		X	X			
5.	PR132-S07-102116-20251017	S		X	10/17	1150	11	X	X	X	X	X	X	X	X			
6.	PR132-COMP03-2025-20251017	S	X		10/17	1010	7	X	X	X	X	X	X	X				
7.	Temp Blank	A			10/17		1	X	X	X	X	X			X			
8.	PR132-S08-038048-20251017	S		X	10/17	0840	4								X			
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600 10-17-25
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1740 10-17-25	RECEIVED BY: 3. [Signature]

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
Comments:

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3395	AECO02	Order Date : 10/17/2025 4:25:00 PM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP B
Client Contact : Rob Forstner		Receive DateTime : 10/17/2025 12:00:00 AM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order : 5:40 pm	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3395-01	PR132-S09-000051-20251017	Solid	10/17/2025	12:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-02	PR132-S07-000102-20251017	Solid	10/17/2025	11:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-03	Q3395-02MS	Solid	10/17/2025	11:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-04	Q3395-02MSD	Solid	10/17/2025	11:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-05	PR132-S07-102116-20251017	Solid	10/17/2025	11:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-06	PR132-COMP03-20251017	Solid	10/17/2025	10:10	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3395-07	PR132-S08-038048-20251017	Solid	10/17/2025	08:40	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3395	AECO02	Order Date : 10/17/2025 4:25:00 PM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP B
Client Contact : Rob Forstner		Receive DateTime : 10/17/2025 12:00:00 AM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order : 5:40 PM	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	-------------	-------------	------	------------	--------	----------	-----------

Relinquished By :

Date / Time : 10/20/25 12:00

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room