

Cover Page

Order ID : Q3424

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

Client : AECOM

Lab Sample Number

Q3424-01
Q3424-02
Q3424-03

Client Sample Number

PR132-DP3-20251021
PR132-S11-010080-20251021
PR132-S14-000094-20251021

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

Signature : _____

Date: 11/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3424

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/04/2025

LAB CHRONICLE

OrderID:	Q3424	OrderDate:	10/22/2025 11:34:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3424-01	PR132-DP3-20251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3424-02	PR132-S11-010080-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3424-03	PR132-S14-000094-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3424

Order ID: Q3424

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-DP3-20251021								
Q3424-01	PR132-DP3-20251021	SOIL	4,4-DDE	0.59	JP	0.30	3.70	ug/kg
Total Concentration:				0.590				
Client ID : PR132-S11-010080-20251021								
Q3424-02	PR132-S11-010080-20	SOIL	Dieldrin	0.32	J	0.28	3.40	ug/kg
Q3424-02	PR132-S11-010080-20	SOIL	4,4-DDE	0.46	JP	0.28	3.40	ug/kg
Total Concentration:				0.780				
Client ID : PR132-S14-000094-20251021								
Q3424-03	PR132-S14-000094-20	SOIL	4,4-DDE	1.20	JP	0.28	3.40	ug/kg
Q3424-03	PR132-S14-000094-20	SOIL	4,4-DDT	0.52	J	0.28	3.40	ug/kg
Total Concentration:				1.720				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3424**

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
Q3395-03MS	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-S07-000102-20251017MSD	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
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171
		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
Q3424-01	PR132-DP3-20251021	Decachlorobiphen	1	20	14.1	71		20	144
		Tetrachloro-m-xyl	1	20	15.6	78		19	148
		Decachlorobiphen	2	20	15.2	76		20	144
		Tetrachloro-m-xyl	2	20	16.9	85		19	148
Q3424-02	PR132-S11-010080-20251021	Decachlorobiphen	1	20	18.6	93		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	20.1	100		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
Q3424-03	PR132-S14-000094-20251021	Decachlorobiphen	1	20	18.1	91		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	19.4	97		20	144
		Tetrachloro-m-xyl	2	20	20.0	100		19	148
I.BLK-PD090799.D	PIBLK-PD090799.D	Decachlorobiphen	1	20	21.1	105		57	171

Surrogate Summary

SDG No.: Q3424

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090799.D	PIBLK-PD090799.D	Tetrachloro-m-xyl	1	20	19.7	99		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
I.BLK-PD090808.D	PIBLK-PD090808.D	Tetrachloro-m-xyl	2	20	20.3	101		61	148
		Decachlorobiphen	1	20	22.0	110		57	171
		Tetrachloro-m-xyl	1	20	20.8	104		61	148
		Decachlorobiphen	2	20	24.1	120		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q3419-02MS	PR-132-S16-015094-20251021M	Decachlorobiphen	1	20	12.3	62		20	144
		Tetrachloro-m-xyl	1	20	12.4	62		19	148
		Decachlorobiphen	2	20	12.6	63		20	144
		Tetrachloro-m-xyl	2	20	12.6	63		19	148
Q3419-03MSD	PR-132-S16-015094-20251021M	Decachlorobiphen	1	20	12.2	61		20	144
		Tetrachloro-m-xyl	1	20	12.1	60		19	148
		Decachlorobiphen	2	20	12.7	64		20	144
		Tetrachloro-m-xyl	2	20	12.6	63		19	148
I.BLK-PD090823.D	PIBLK-PD090823.D	Decachlorobiphen	1	20	17.3	87		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	12.3	61		57	171
		Tetrachloro-m-xyl	2	20	19.6	98		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD	RPD	Low	Limits	RPD
			Result				Qual		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	0.4239	32.7	ug/kg	90				47	161	
	4,4'-DDE	34.78	6.9	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	1.5	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	1.3	31.4	ug/kg	90				47	161	
	4,4'-DDE	34.78	5.3	33.5	ug/kg	96				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	29.7	ug/kg	85				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>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	Qual	RPD	Qual	Low	Limits	
		Result	Result								High	RPD
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.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090785.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Low	Limits		RPD
			Result	Result				Qual	RPD		High	High	
Lab Sample ID:	Q3395-04MSD	Client Sample ID:		PR132-S07-000102-2025101									
	(Column 1)												
	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	0.4239	32.9	ug/kg	91			1	47	161		20
	4,4'-DDE	34.7	6.9	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	1.5	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	Client Sample ID:		PR132-S07-000102-2025101									
	(Column 2)												
	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	1.3	31.4	ug/kg	90			0	47	161		20
	4,4'-DDE	34.7	5.3	33.4	ug/kg	96			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	29.5	ug/kg	85			0	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>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090785.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090811.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q3419-02MS (Column 1)	Client Sample ID:		PR-132-S16-015094-202510								
	alpha-BHC	30.56	0	24.4	ug/kg	80				60	144	
	beta-BHC	30.56	0	25.4	ug/kg	83				54	143	
	delta-BHC	30.56	0	19.1	ug/kg	63				29	151	
	gamma-BHC (Lindane)	30.56	0	20.0	ug/kg	65				61	140	
	Heptachlor	30.56	0	30.9	ug/kg	101				63	135	
	Aldrin	30.56	0	27.2	ug/kg	89				49	139	
	Heptachlor epoxide	30.56	0	27.3	ug/kg	89				41	156	
	Endosulfan I	30.56	0	26.9	ug/kg	88				56	142	
	Dieldrin	30.56	0	27.8	ug/kg	91				47	161	
	4,4'-DDE	30.56	0.624	27.4	ug/kg	88				55	136	
	Endrin	30.56	0	26.6	ug/kg	87				57	139	
	Endosulfan II	30.56	0	26.6	ug/kg	87				40	163	
	4,4'-DDD	30.56	0	27.8	ug/kg	91				47	163	
	Endosulfan sulfate	30.56	0	17.5	ug/kg	57	*			62	139	
	4,4'-DDT	30.56	0	26.4	ug/kg	86				51	146	
	Methoxychlor	30.56	0	25.9	ug/kg	85				54	136	
	Endrin ketone	30.56	0	27.7	ug/kg	91				60	129	
	Endrin aldehyde	30.56	0	20.6	ug/kg	67				59	132	
	alpha-Chlordane	30.56	0	26.4	ug/kg	86				39	166	
	gamma-Chlordane	30.56	0	27.4	ug/kg	90				44	175	
Lab Sample ID:	Q3419-02MS (Column 2)	Client Sample ID:		PR-132-S16-015094-202510								
	alpha-BHC	30.56	0	22.4	ug/kg	73				60	144	
	beta-BHC	30.56	0	25.6	ug/kg	84				54	143	
	delta-BHC	30.56	0	19.0	ug/kg	62				29	151	
	gamma-BHC (Lindane)	30.56	0	19.3	ug/kg	63				61	140	
	Heptachlor	30.56	0	26.1	ug/kg	85				63	135	
	Aldrin	30.56	0	25.3	ug/kg	83				49	139	
	Heptachlor epoxide	30.56	0	25.4	ug/kg	83				41	156	
	Endosulfan I	30.56	0	24.1	ug/kg	79				56	142	
	Dieldrin	30.56	0	26.3	ug/kg	86				47	161	
	4,4'-DDE	30.56	0.3181	26.0	ug/kg	85				55	136	
	Endrin	30.56	0	24.0	ug/kg	79				57	139	
	Endosulfan II	30.56	0	26.4	ug/kg	86				40	163	
	4,4'-DDD	30.56	0	24.7	ug/kg	81				47	163	
	Endosulfan sulfate	30.56	0	17.1	ug/kg	56	*			62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090811.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	Qual	RPD	Qual	Low	Limits	
		Result	Result								High	RPD
4,4'-DDT	30.56	0	25.5	ug/kg	83					51	146	
Methoxychlor	30.56	0	25.5	ug/kg	83					54	136	
Endrin ketone	30.56	0	27.6	ug/kg	90					60	129	
Endrin aldehyde	30.56	0	19.5	ug/kg	64					59	132	
alpha-Chlordane	30.56	0	25.8	ug/kg	84					39	166	
gamma-Chlordane	30.56	0	26.6	ug/kg	87					44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090812.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q3419-03MSD (Column 1)	Client Sample ID:		PR-132-S16-015094-202510								
	alpha-BHC	30.62	0	23.8	ug/kg	78		3		60	144	20
	beta-BHC	30.62	0	25.5	ug/kg	83		0		54	143	20
	delta-BHC	30.62	0	19.1	ug/kg	62		2		29	151	20
	gamma-BHC (Lindane)	30.62	0	19.6	ug/kg	64		2		61	140	20
	Heptachlor	30.62	0	30.6	ug/kg	100		1		63	135	20
	Aldrin	30.62	0	27.2	ug/kg	89		0		49	139	20
	Heptachlor epoxide	30.62	0	28.9	ug/kg	94		5		41	156	20
	Endosulfan I	30.62	0	27.3	ug/kg	89		1		56	142	20
	Dieldrin	30.62	0	27.7	ug/kg	90		1		47	161	20
	4,4'-DDE	30.62	0.624	27.1	ug/kg	86		2		55	136	20
	Endrin	30.62	0	26.7	ug/kg	87		0		57	139	20
	Endosulfan II	30.62	0	26.8	ug/kg	88		1		40	163	20
	4,4'-DDD	30.62	0	27.8	ug/kg	91		0		47	163	20
	Endosulfan sulfate	30.62	0	17.2	ug/kg	56	*	2		62	139	20
	4,4'-DDT	30.62	0	26.1	ug/kg	85		1		51	146	20
	Methoxychlor	30.62	0	25.9	ug/kg	85		0		54	136	20
	Endrin ketone	30.62	0	27.5	ug/kg	90		1		60	129	20
	Endrin aldehyde	30.62	0	20.5	ug/kg	67		0		59	132	20
	alpha-Chlordane	30.62	0	29.1	ug/kg	95		10		39	166	20
	gamma-Chlordane	30.62	0	27.4	ug/kg	89		1		44	175	20
Lab Sample ID:	Q3419-03MSD (Column 2)	Client Sample ID:		PR-132-S16-015094-202510								
	alpha-BHC	30.62	0	22.4	ug/kg	73		0		60	144	20
	beta-BHC	30.62	0	25.5	ug/kg	83		1		54	143	20
	delta-BHC	30.62	0	18.9	ug/kg	62		0		29	151	20
	gamma-BHC (Lindane)	30.62	0	19.2	ug/kg	63		0		61	140	20
	Heptachlor	30.62	0	26.3	ug/kg	86		1		63	135	20
	Aldrin	30.62	0	25.7	ug/kg	84		1		49	139	20
	Heptachlor epoxide	30.62	0	25.8	ug/kg	84		1		41	156	20
	Endosulfan I	30.62	0	22.9	ug/kg	75		5		56	142	20
	Dieldrin	30.62	0	26.5	ug/kg	87		1		47	161	20
	4,4'-DDE	30.62	0.3181	26.5	ug/kg	87		2		55	136	20
	Endrin	30.62	0	24.5	ug/kg	80		1		57	139	20
	Endosulfan II	30.62	0	26.5	ug/kg	87		1		40	163	20
	4,4'-DDD	30.62	0	24.7	ug/kg	81		0		47	163	20
	Endosulfan sulfate	30.62	0	17.0	ug/kg	56	*	0		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3424</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090812.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	30.62	0	25.6	ug/kg	84		1		51	146	20
Methoxychlor	30.62	0	25.9	ug/kg	85		2		54	136	20
Endrin ketone	30.62	0	27.5	ug/kg	90		0		60	129	20
Endrin aldehyde	30.62	0	19.6	ug/kg	64		0		59	132	20
alpha-Chlordane	30.62	0	25.9	ug/kg	85		1		39	166	20
gamma-Chlordane	30.62	0	26.7	ug/kg	87		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3424

Analytical Method: 8081B

Client: AECOM

Datafile : PD090779.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
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	
	alpha-BHC	16.65	15.7	ug/kg	94				84	123	
PB170213BS (Column 2)	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: AEC002

Lab Code: ACE

SDG NO.: Q3424

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-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-DP3-20251021	Q3424-01	PD090796.D	10/23/2025	10/23/2025
PR132-S11-010080-20251021	Q3424-02	PD090797.D	10/23/2025	10/23/2025
PR132-S14-000094-20251021	Q3424-03	PD090798.D	10/23/2025	10/23/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	PD090811.D	10/24/2025	10/24/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	PD090812.D	10/24/2025	10/24/2025

COMMENTS: _____



SAMPLE DATA



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

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-DP3-20251021		SDG No.:	Q3424
Lab Sample ID:	Q3424-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	45.9
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	3.70	U	1	0.28	3.70	ug/kg	10/23/25 17:28	PB170213
319-85-7	beta-BHC	3.70	U	1	0.39	3.70	ug/kg	10/23/25 17:28	PB170213
319-86-8	delta-BHC	3.70	U	1	0.85	3.70	ug/kg	10/23/25 17:28	PB170213
58-89-9	gamma-BHC (Lindane)	3.70	U	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
76-44-8	Heptachlor	3.70	U	1	0.26	3.70	ug/kg	10/23/25 17:28	PB170213
309-00-2	Aldrin	3.70	U	1	0.26	3.70	ug/kg	10/23/25 17:28	PB170213
1024-57-3	Heptachlor epoxide	3.70	U	1	0.41	3.70	ug/kg	10/23/25 17:28	PB170213
959-98-8	Endosulfan I	3.70	U	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
60-57-1	Dieldrin	3.70	U	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
72-55-9	4,4-DDE	0.59	JP	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
72-20-8	Endrin	3.70	U	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
33213-65-9	Endosulfan II	3.70	U	1	0.63	3.70	ug/kg	10/23/25 17:28	PB170213
72-54-8	4,4-DDD	3.70	U	1	0.33	3.70	ug/kg	10/23/25 17:28	PB170213
1031-07-8	Endosulfan Sulfate	3.70	U	1	0.28	3.70	ug/kg	10/23/25 17:28	PB170213
50-29-3	4,4-DDT	3.70	U	1	0.30	3.70	ug/kg	10/23/25 17:28	PB170213
72-43-5	Methoxychlor	3.70	U	1	0.80	3.70	ug/kg	10/23/25 17:28	PB170213
53494-70-5	Endrin ketone	3.70	U	1	0.41	3.70	ug/kg	10/23/25 17:28	PB170213
7421-93-4	Endrin aldehyde	3.70	U	1	0.80	3.70	ug/kg	10/23/25 17:28	PB170213
5103-71-9	alpha-Chlordane	3.70	U	1	0.26	3.70	ug/kg	10/23/25 17:28	PB170213
5103-74-2	gamma-Chlordane	3.70	U	1	0.33	3.70	ug/kg	10/23/25 17:28	PB170213
8001-35-2	Toxaphene	71.8	U	1	11.8	71.8	ug/kg	10/23/25 17:28	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.2			20 - 144	76%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.9			19 - 148	85%	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 : PD090796.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 17:28
 Operator : AR\AJ
 Sample : Q3424-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-DP3-20251021

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 06:17:14 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	2.874	48628642	504.7E6	15.615m	16.950
28)	SA Decachlor...	9.065	8.060	66132408	459.3E6	14.137	15.163
Target Compounds							
12)	B 4,4'-DDE	6.188	5.364	4292787	23441851	0.806	0.535 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090796.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 17:28
Operator : AR\AJ
Sample : Q3424-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

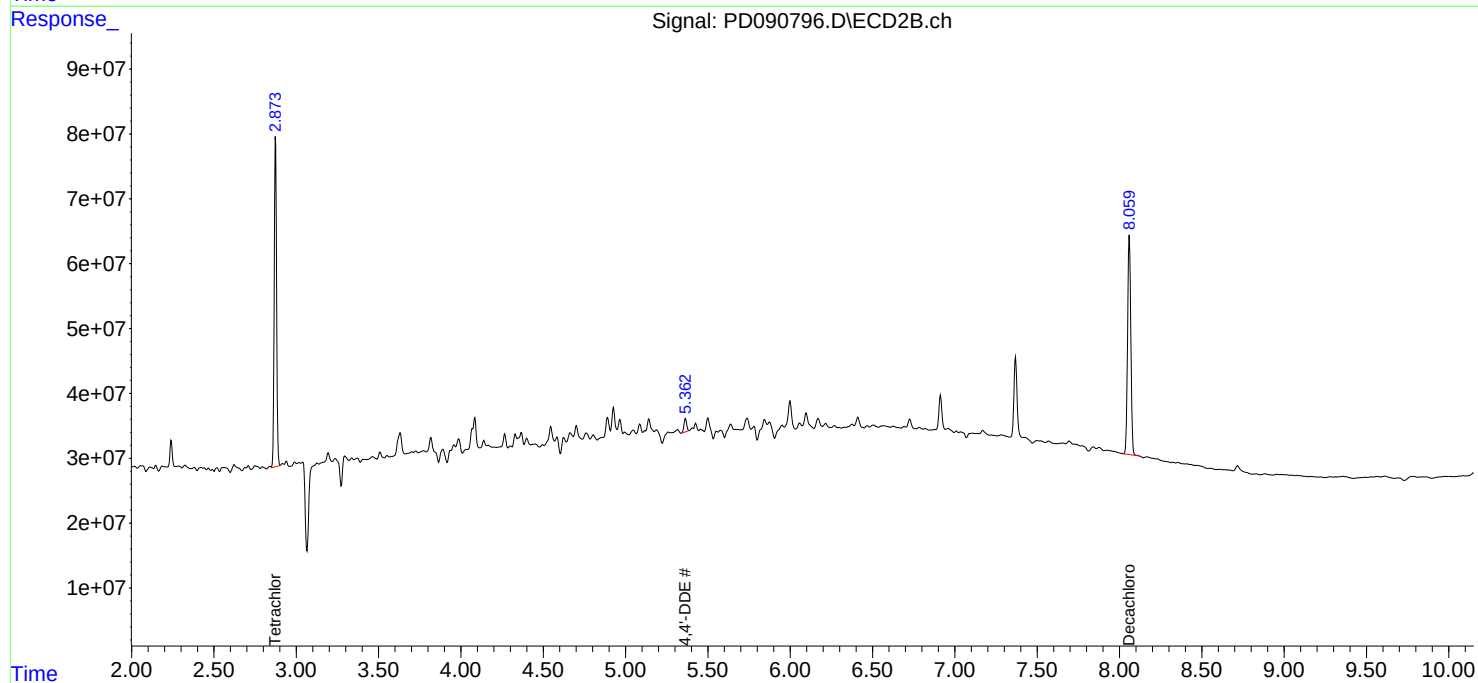
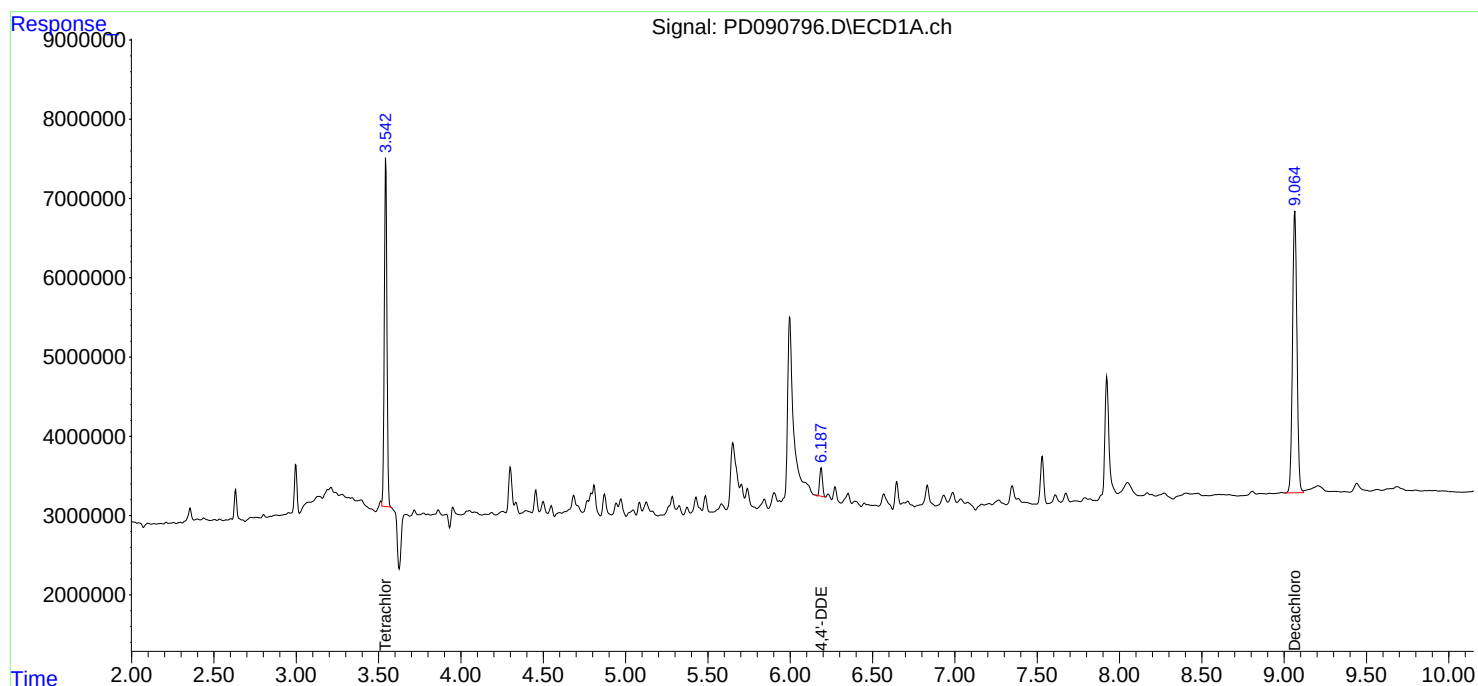
Instrument :
ECD_D
ClientSampleId :
PR132-DP3-20251021

Manual Integrations
APPROVED

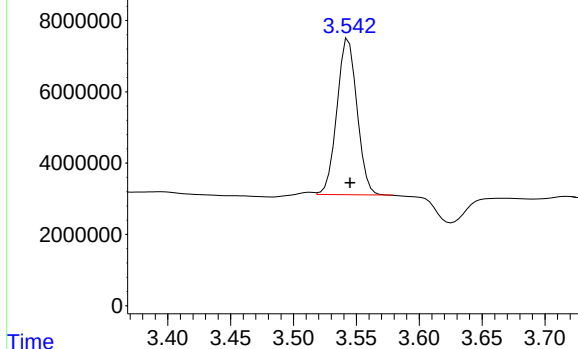
Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:17:14 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: PD090796.D\ECD1A.ch



#1 Tetrachloro-m-xylene

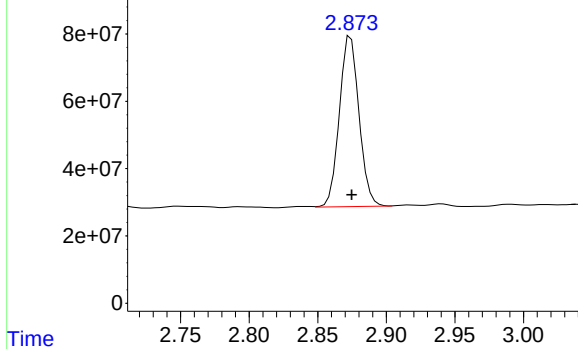
R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 48628642
Conc: 15.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP3-20251021

Manual Integrations
APPROVED

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

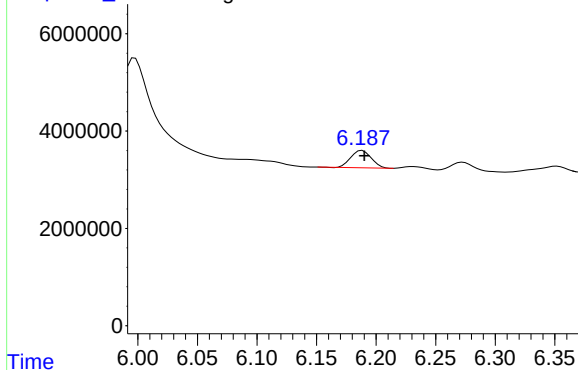
Response_ Signal: PD090796.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 504736813
Conc: 16.95 ng/ml

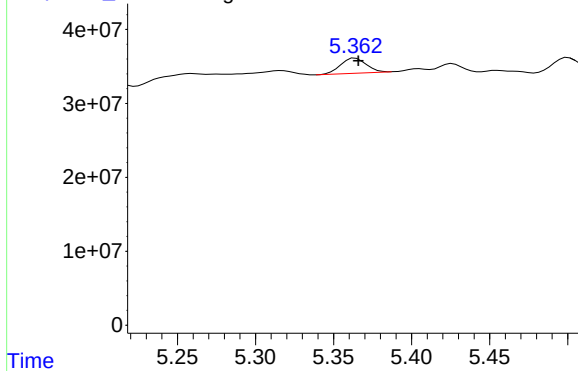
Response_ Signal: PD090796.D\ECD1A.ch



#12 4,4'-DDE

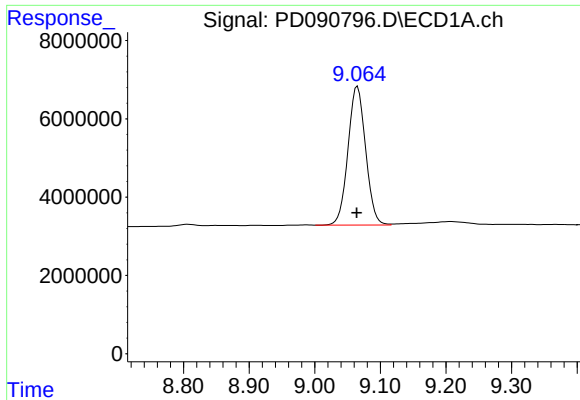
R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 4292787
Conc: 0.81 ng/ml

Response_ Signal: PD090796.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 23441851
Conc: 0.53 ng/ml



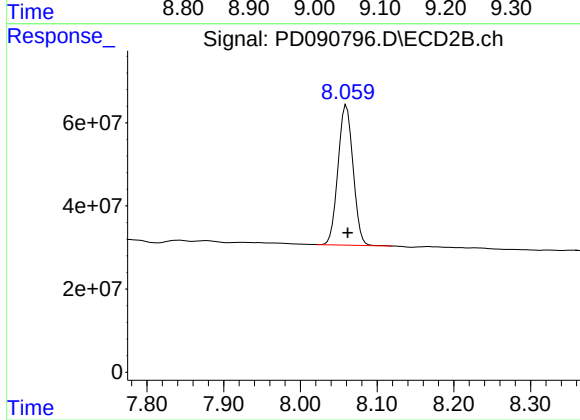
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 66132408
Conc: 14.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP3-20251021

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: 459304861
Conc: 15.16 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S11-010080-20251021		SDG No.:	Q3424
Lab Sample ID:	Q3424-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	50.1
Sample Wt/Vol:	30.09 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	3.40	U	1	0.26	3.40	ug/kg	10/23/25 17:41	PB170213
319-85-7	beta-BHC	3.40	U	1	0.36	3.40	ug/kg	10/23/25 17:41	PB170213
319-86-8	delta-BHC	3.40	U	1	0.78	3.40	ug/kg	10/23/25 17:41	PB170213
58-89-9	gamma-BHC (Lindane)	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
76-44-8	Heptachlor	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:41	PB170213
309-00-2	Aldrin	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:41	PB170213
1024-57-3	Heptachlor epoxide	3.40	U	1	0.38	3.40	ug/kg	10/23/25 17:41	PB170213
959-98-8	Endosulfan I	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
60-57-1	Dieldrin	0.32	J	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
72-55-9	4,4-DDE	0.46	JP	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
72-20-8	Endrin	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
33213-65-9	Endosulfan II	3.40	U	1	0.58	3.40	ug/kg	10/23/25 17:41	PB170213
72-54-8	4,4-DDD	3.40	U	1	0.30	3.40	ug/kg	10/23/25 17:41	PB170213
1031-07-8	Endosulfan Sulfate	3.40	U	1	0.26	3.40	ug/kg	10/23/25 17:41	PB170213
50-29-3	4,4-DDT	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:41	PB170213
72-43-5	Methoxychlor	3.40	U	1	0.74	3.40	ug/kg	10/23/25 17:41	PB170213
53494-70-5	Endrin ketone	3.40	U	1	0.38	3.40	ug/kg	10/23/25 17:41	PB170213
7421-93-4	Endrin aldehyde	3.40	U	1	0.74	3.40	ug/kg	10/23/25 17:41	PB170213
5103-71-9	alpha-Chlordane	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:41	PB170213
5103-74-2	gamma-Chlordane	3.40	U	1	0.30	3.40	ug/kg	10/23/25 17:41	PB170213
8001-35-2	Toxaphene	65.7	U	1	10.8	65.7	ug/kg	10/23/25 17:41	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.1			20 - 144	100%	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 : PD090797.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 17:41
 Operator : AR\AJ
 Sample : Q3424-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S11-010080-20251021

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 06:17:27 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 x 0.5 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	58443170	599.1E6	18.767m	20.119
28) SA Decachlor...	9.064	8.060	86992773	608.7E6	18.596	20.094
Target Compounds						
12) B 4,4'-DDE	6.189	5.363	3704461	20302170	0.695	0.463 #
13) MA Dieldrin	6.352	5.499	2781943	18644162	0.477	0.422m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090797.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 17:41
Operator : AR\AJ
Sample : Q3424-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

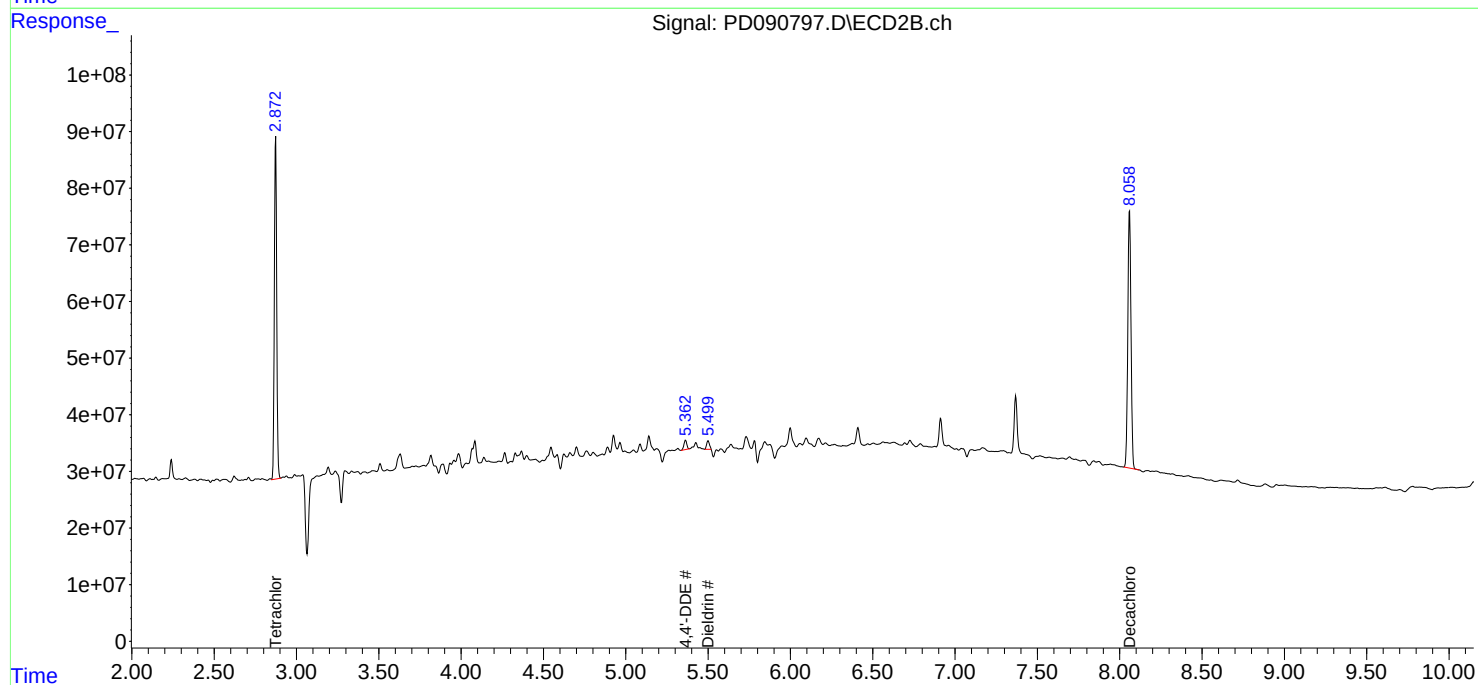
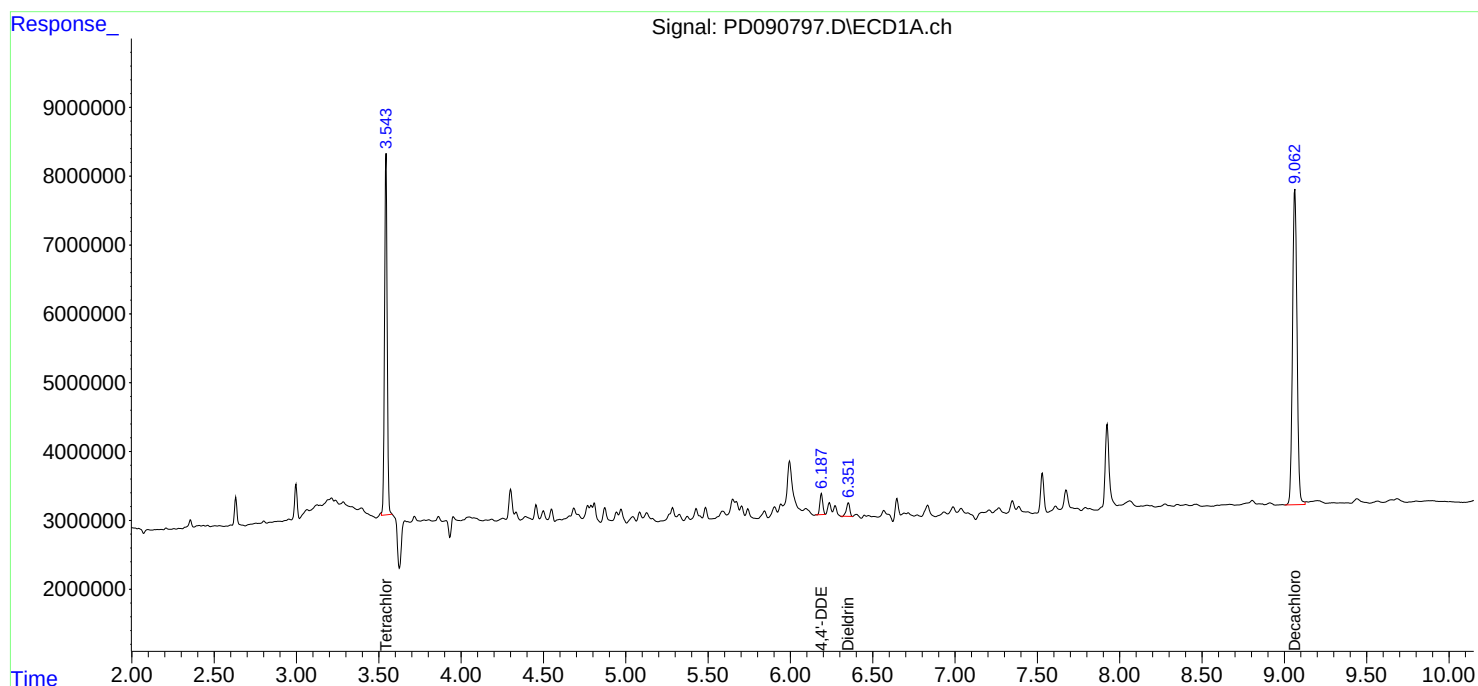
Instrument :
ECD_D
ClientSampleId :
PR132-S11-010080-20251021

Manual Integrations
APPROVED

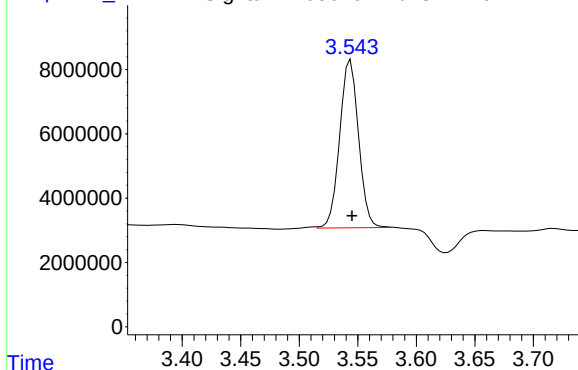
Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:17:27 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: PD090797.D\ECD1A.ch



#1 Tetrachloro-m-xylene

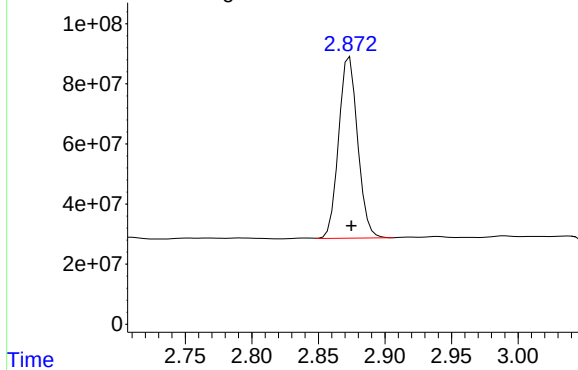
R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 58443170
Conc: 18.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S11-010080-20251021

Manual Integrations
APPROVED

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

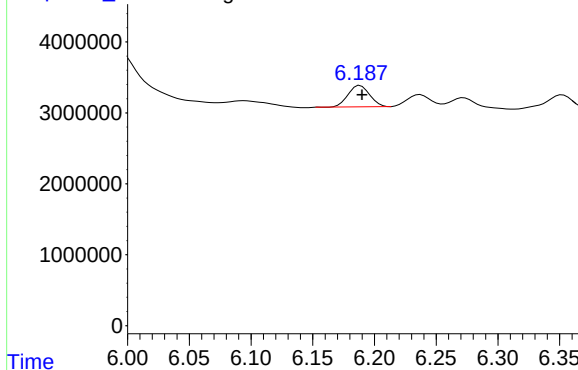
Time Response_ Signal: PD090797.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 599099579
Conc: 20.12 ng/ml

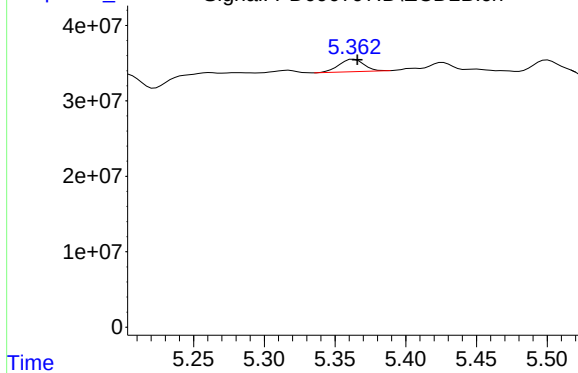
Time Response_ Signal: PD090797.D\ECD1A.ch



#12 4,4'-DDE

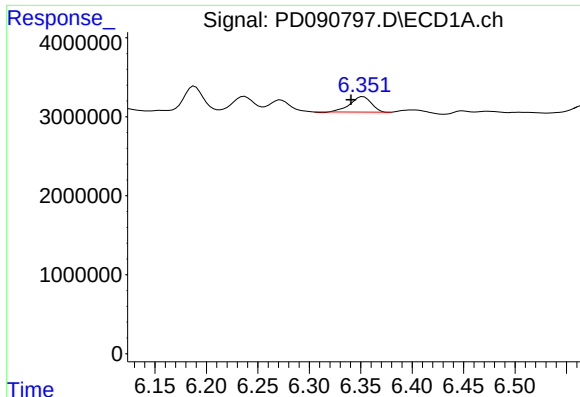
R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 3704461
Conc: 0.70 ng/ml

Time Response_ Signal: PD090797.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 20302170
Conc: 0.46 ng/ml



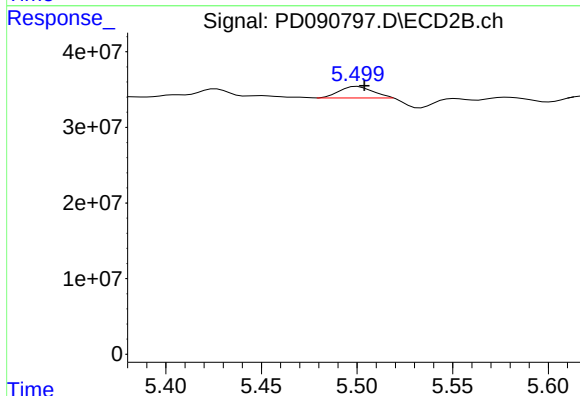
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.012 min
Response: 2781943
Conc: 0.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S11-010080-20251021

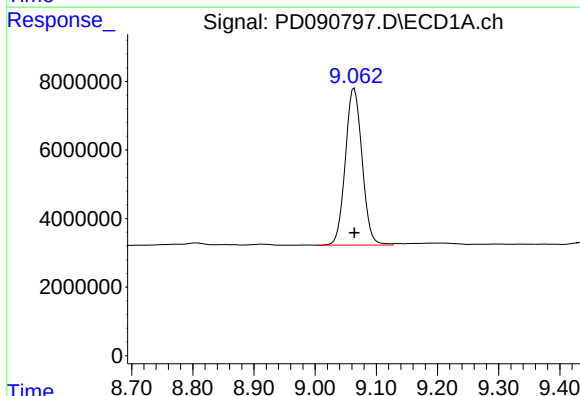
Manual Integrations
APPROVED

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



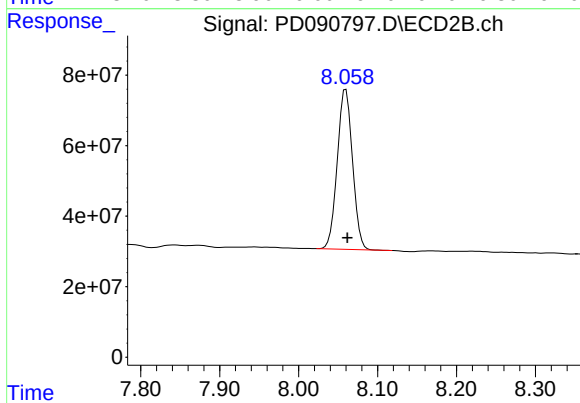
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.005 min
Response: 18644162
Conc: 0.42 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 86992773
Conc: 18.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 608666503
Conc: 20.09 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S14-000094-20251021		SDG No.:	Q3424
Lab Sample ID:	Q3424-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	50.1
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	3.40	U	1	0.26	3.40	ug/kg	10/23/25 17:55	PB170213
319-85-7	beta-BHC	3.40	U	1	0.36	3.40	ug/kg	10/23/25 17:55	PB170213
319-86-8	delta-BHC	3.40	U	1	0.78	3.40	ug/kg	10/23/25 17:55	PB170213
58-89-9	gamma-BHC (Lindane)	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
76-44-8	Heptachlor	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:55	PB170213
309-00-2	Aldrin	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:55	PB170213
1024-57-3	Heptachlor epoxide	3.40	U	1	0.38	3.40	ug/kg	10/23/25 17:55	PB170213
959-98-8	Endosulfan I	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
60-57-1	Dieldrin	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
72-55-9	4,4-DDE	1.20	JP	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
72-20-8	Endrin	3.40	U	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
33213-65-9	Endosulfan II	3.40	U	1	0.58	3.40	ug/kg	10/23/25 17:55	PB170213
72-54-8	4,4-DDD	3.40	U	1	0.30	3.40	ug/kg	10/23/25 17:55	PB170213
1031-07-8	Endosulfan Sulfate	3.40	U	1	0.26	3.40	ug/kg	10/23/25 17:55	PB170213
50-29-3	4,4-DDT	0.52	J	1	0.28	3.40	ug/kg	10/23/25 17:55	PB170213
72-43-5	Methoxychlor	3.40	U	1	0.74	3.40	ug/kg	10/23/25 17:55	PB170213
53494-70-5	Endrin ketone	3.40	U	1	0.38	3.40	ug/kg	10/23/25 17:55	PB170213
7421-93-4	Endrin aldehyde	3.40	U	1	0.74	3.40	ug/kg	10/23/25 17:55	PB170213
5103-71-9	alpha-Chlordane	3.40	U	1	0.24	3.40	ug/kg	10/23/25 17:55	PB170213
5103-74-2	gamma-Chlordane	3.40	U	1	0.30	3.40	ug/kg	10/23/25 17:55	PB170213
8001-35-2	Toxaphene	65.7	U	1	10.8	65.7	ug/kg	10/23/25 17:55	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.4			20 - 144	97%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			19 - 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

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 : PD090798.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 17:55
 Operator : AR\AJ
 Sample : Q3424-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S14-000094-20251021

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 06:17:42 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...	3.559	2.874	56851199	596.0E6	18.256m	20.014
28) SA Decachlor...	9.081	8.060	84927448	586.5E6	18.155	19.362
Target Compounds						
12) B 4,4'-DDE	6.205	5.364	9998080	45258310	1.877m	1.032 #
17) MA 4,4'-DDT	7.004	6.169	2785992	27429222	0.678m	0.782

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090798.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 17:55
Operator : AR\AJ
Sample : Q3424-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

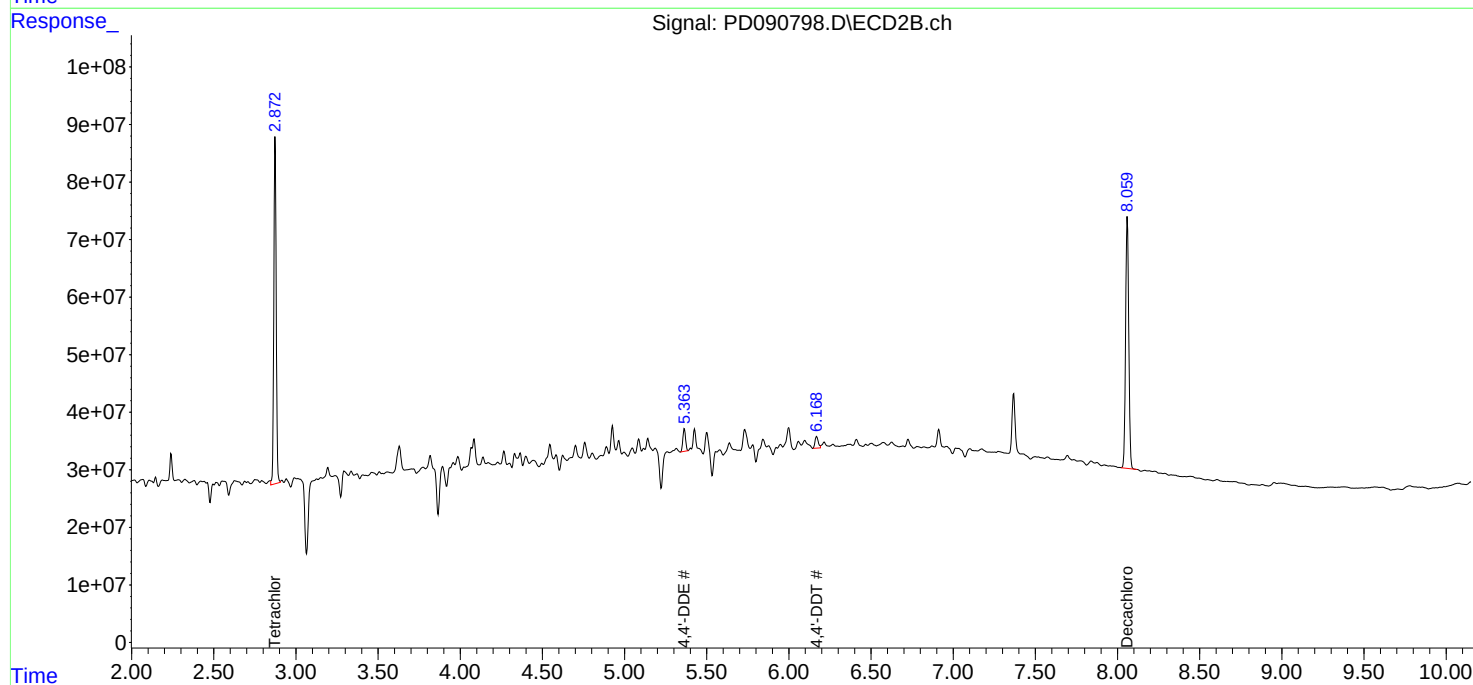
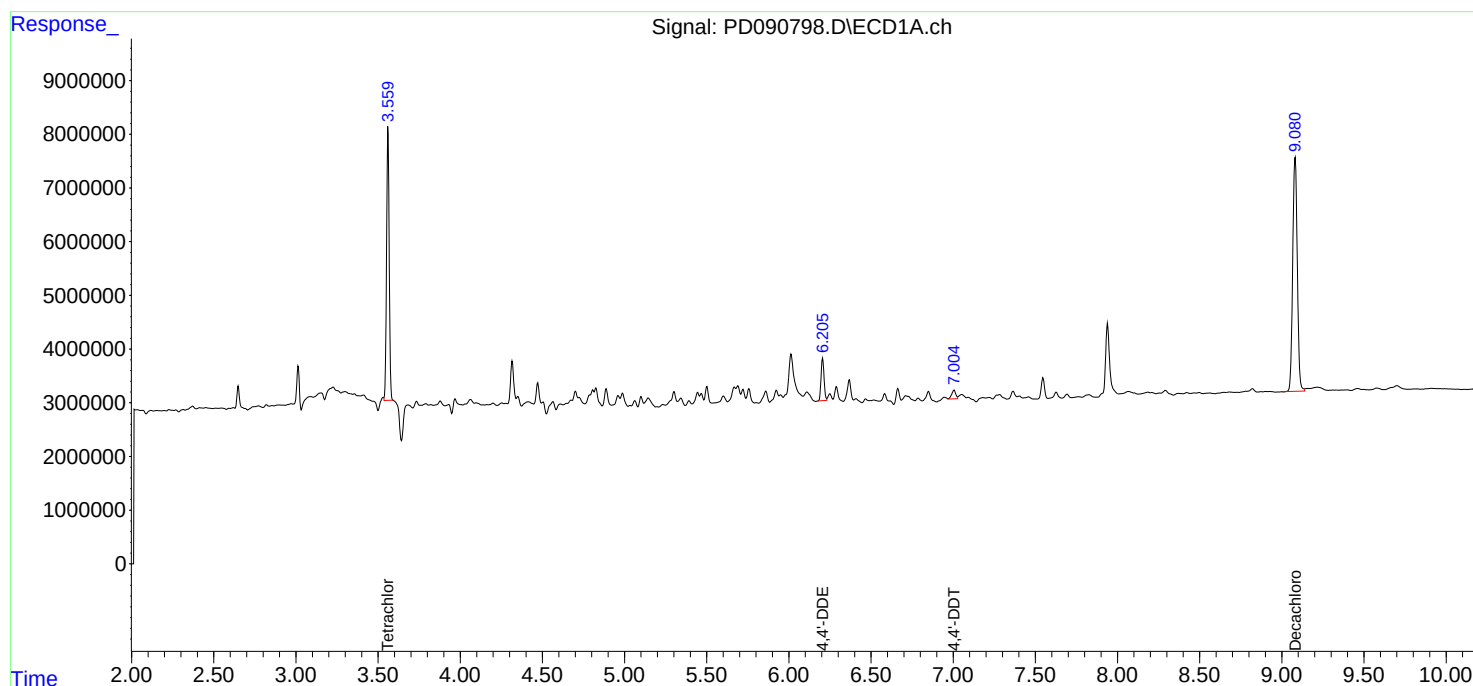
Instrument :
ECD_D
ClientSampleId :
PR132-S14-000094-20251021

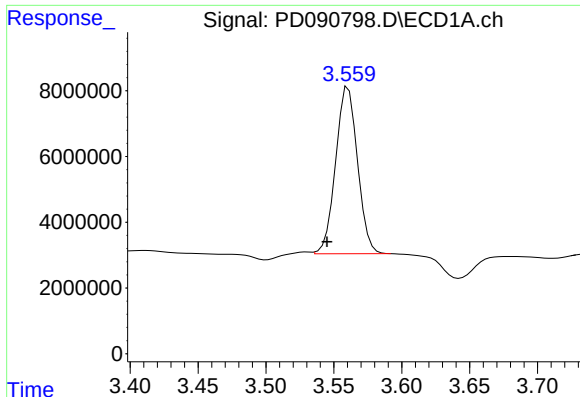
Manual Integrations
APPROVED

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 06:17:42 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





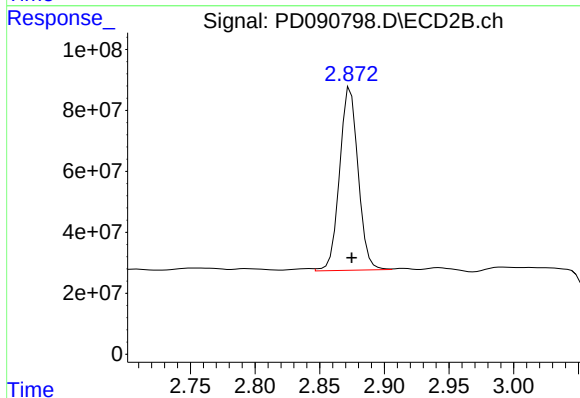
#1 Tetrachloro-m-xylene

R.T.: 3.559 min
 Delta R.T.: 0.014 min
 Response: 56851199
 Conc: 18.26 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S14-000094-20251021

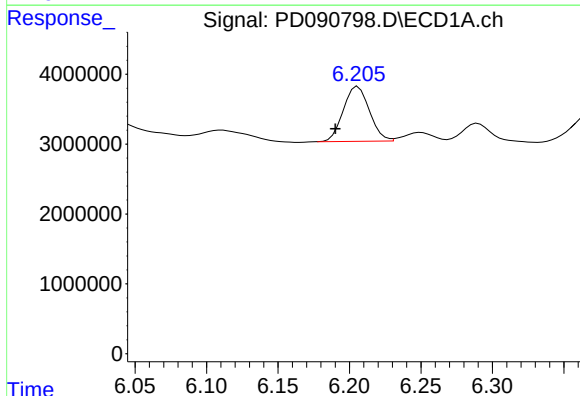
Manual Integrations
 APPROVED

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



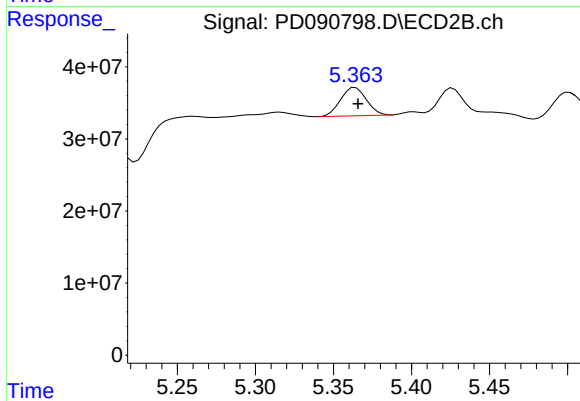
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
 Delta R.T.: 0.000 min
 Response: 595971152
 Conc: 20.01 ng/ml



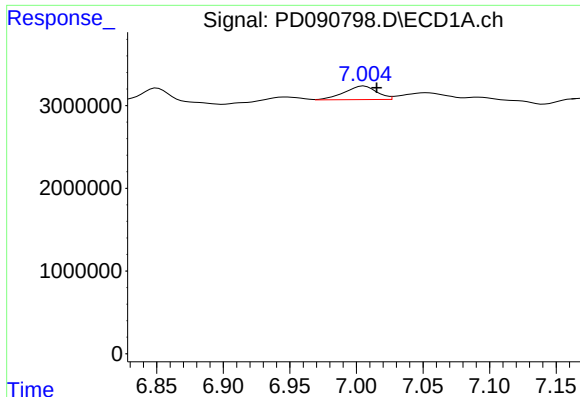
#12 4,4'-DDE

R.T.: 6.205 min
 Delta R.T.: 0.015 min
 Response: 9998080
 Conc: 1.88 ng/ml m



#12 4,4'-DDE

R.T.: 5.364 min
 Delta R.T.: -0.002 min
 Response: 45258310
 Conc: 1.03 ng/ml



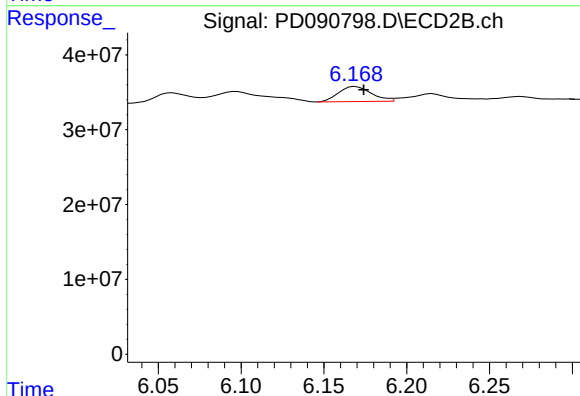
#17 4,4'-DDT

R.T.: 7.004 min
Delta R.T.: -0.011 min
Response: 2785992
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S14-000094-20251021

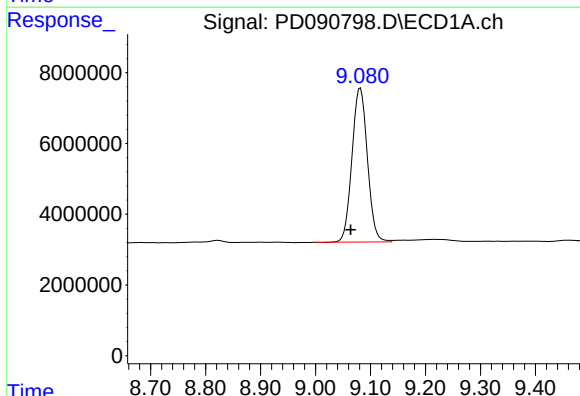
Manual Integrations
APPROVED

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



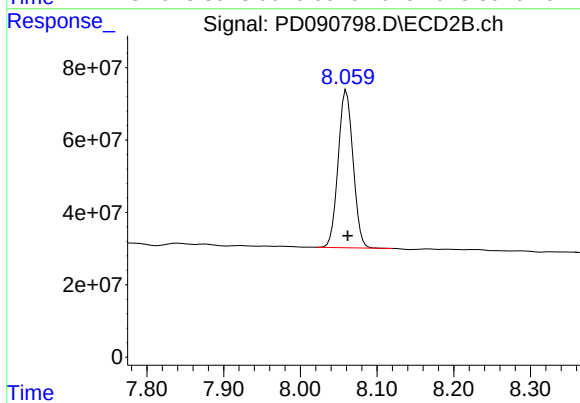
#17 4,4'-DDT

R.T.: 6.169 min
Delta R.T.: -0.005 min
Response: 27429222
Conc: 0.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.017 min
Response: 84927448
Conc: 18.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 586486665
Conc: 19.36 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3424</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>Q3424</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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3424
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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3424

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.:** Q3424
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.:** Q3424
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
2)	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

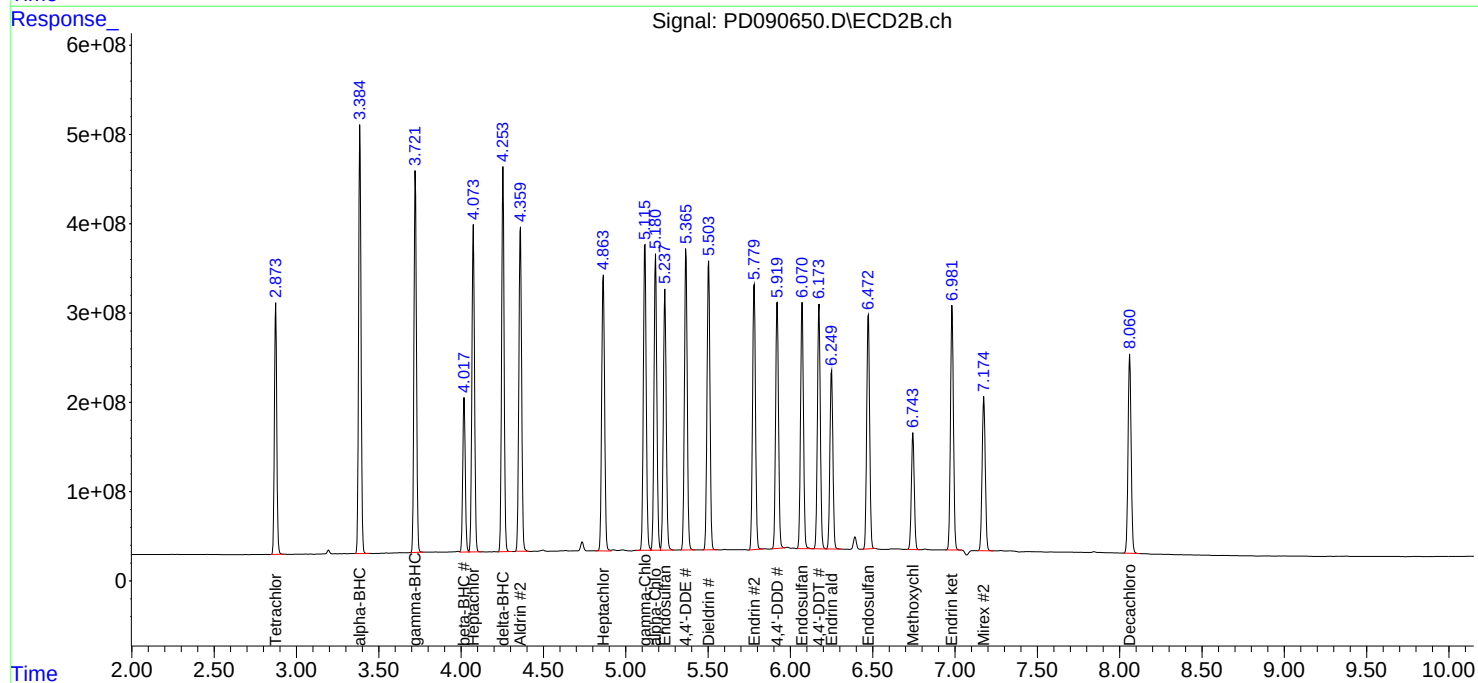
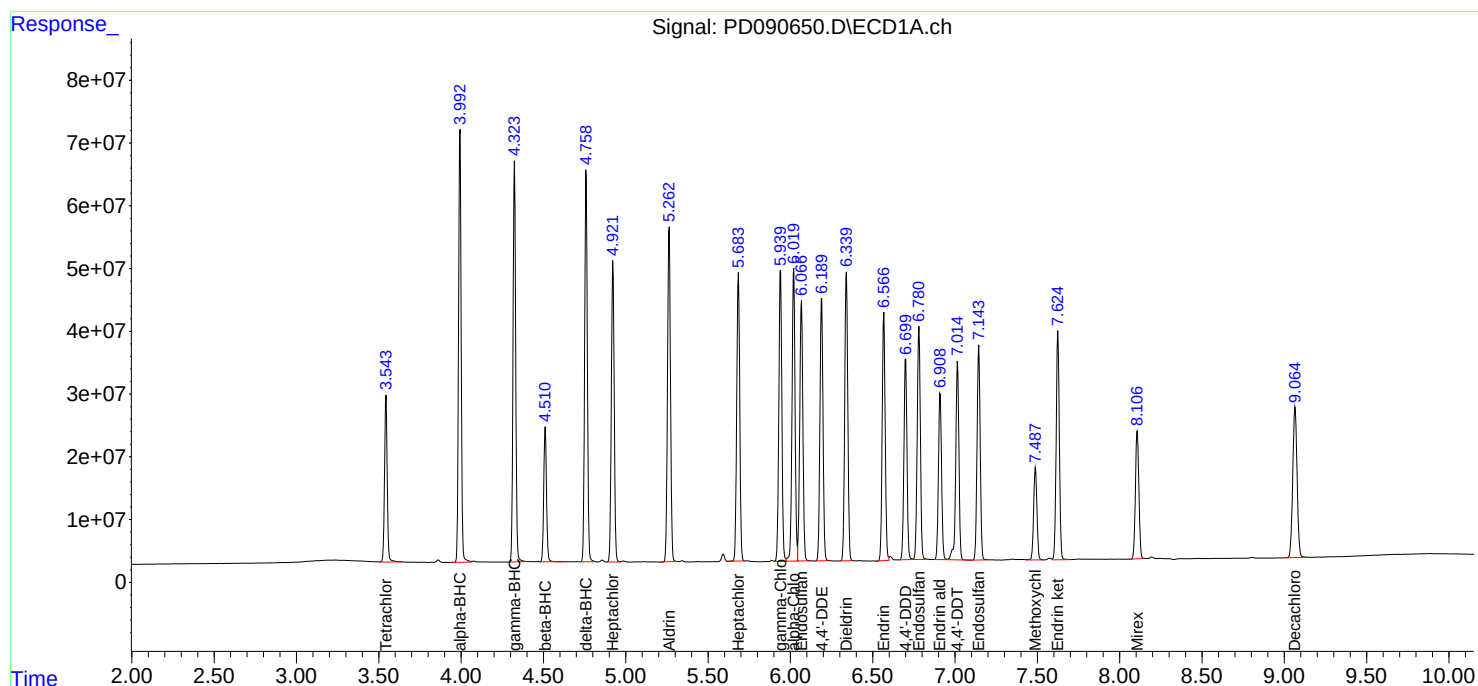
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

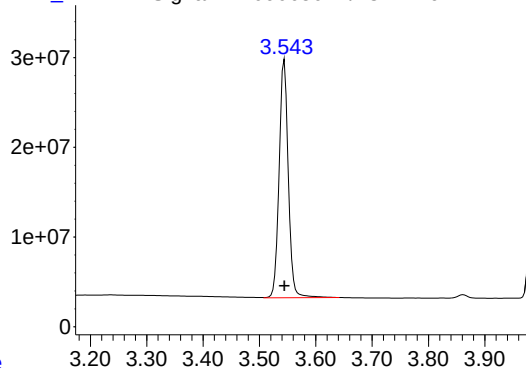
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

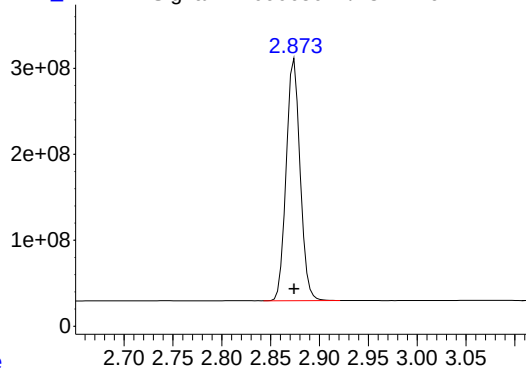


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

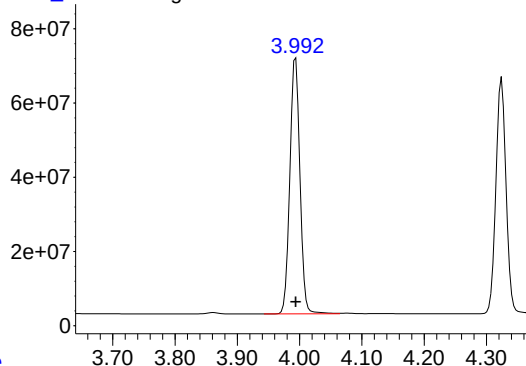
Time Response_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

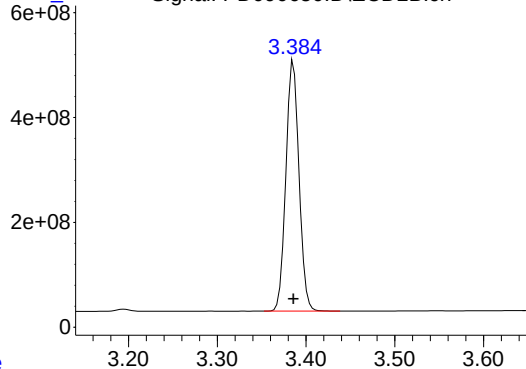
Time Response_ Signal: PD090650.D\ECD1A.ch



#2 alpha-BHC

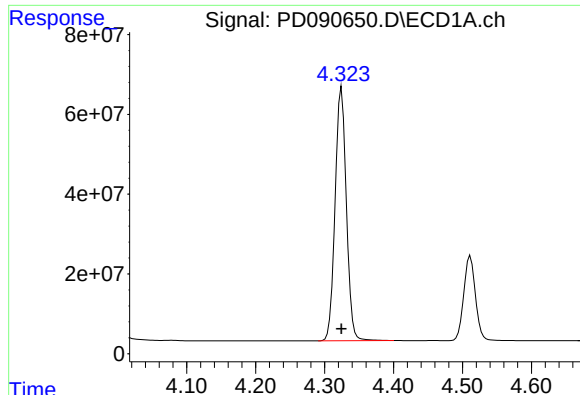
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 775252906
Conc: 103.33 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#2 alpha-BHC

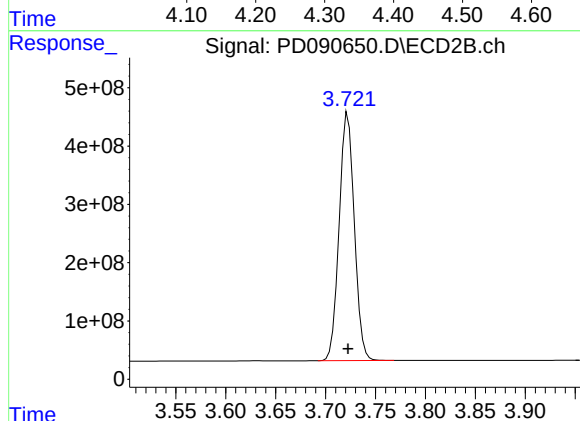
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 4911798337
Conc: 99.43 ng/ml



#3 gamma-BHC (Lindane)

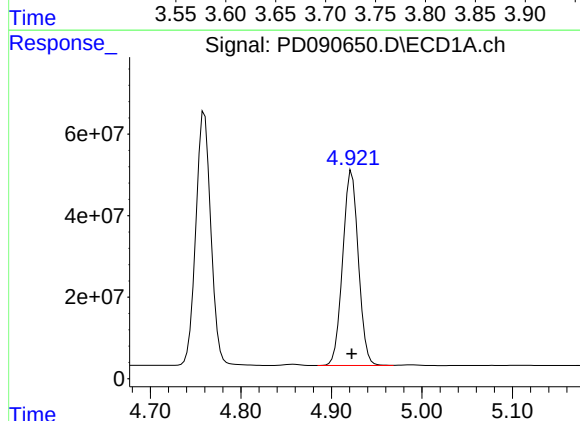
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 718588040
Conc: 102.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



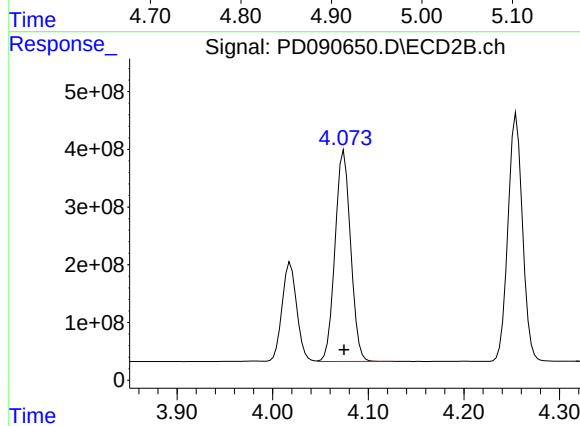
#3 gamma-BHC (Lindane)

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



#4 Heptachlor

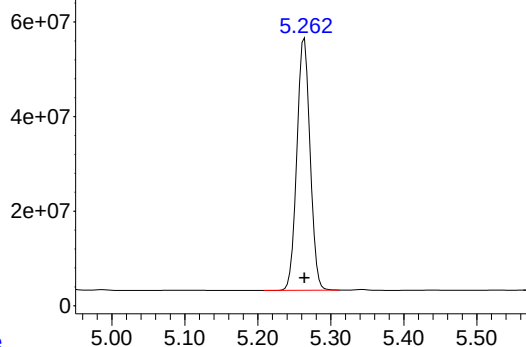
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 575791141
Conc: 101.88 ng/ml



#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

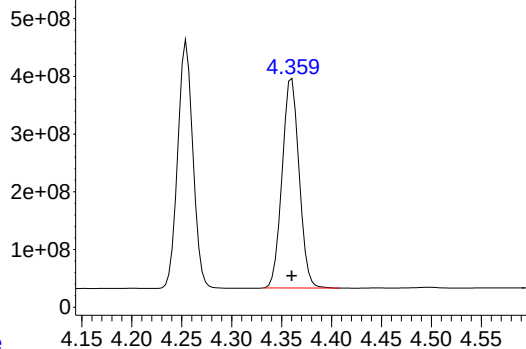


#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

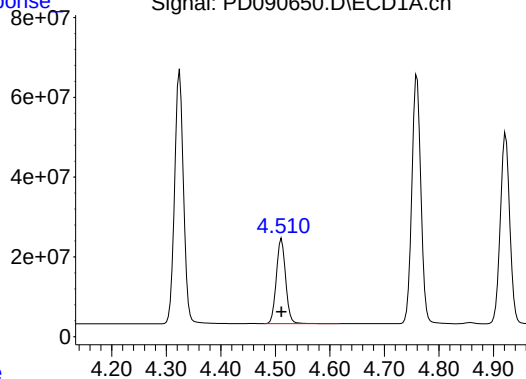
Time Response_ Signal: PD090650.D\ECD2B.ch



#5 Aldrin

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

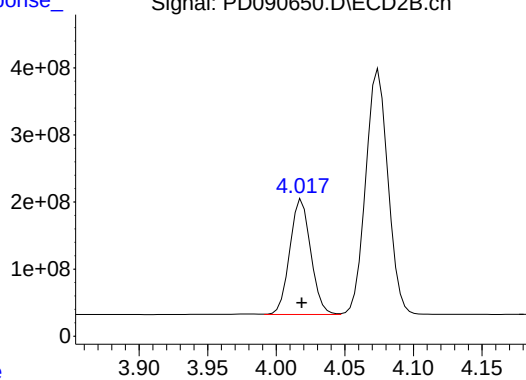
Time Response_ Signal: PD090650.D\ECD1A.ch



#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

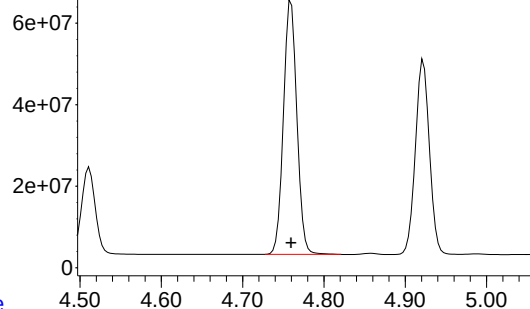
Conc: 102.85 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PD090650.D\ECD2B.ch

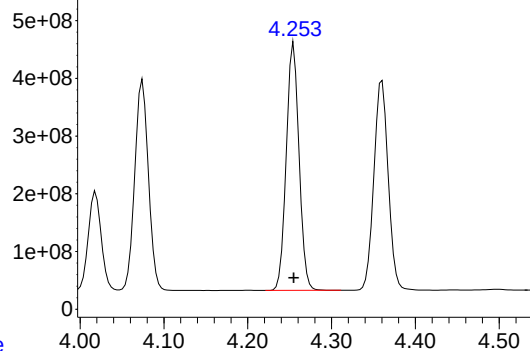
#7 delta-BHC

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

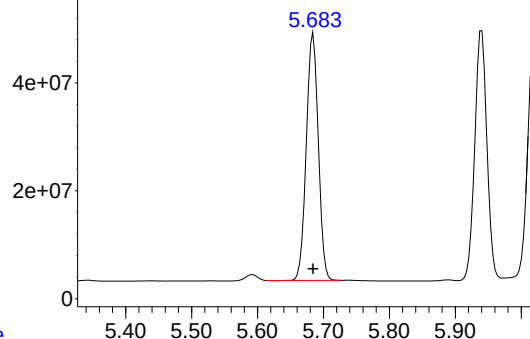
#8 Heptachlor epoxide

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

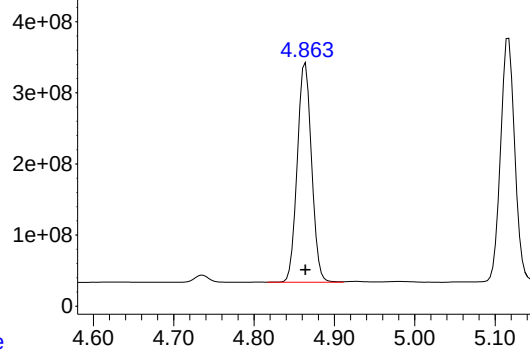
#8 Heptachlor epoxide

R.T.: 4.864 min

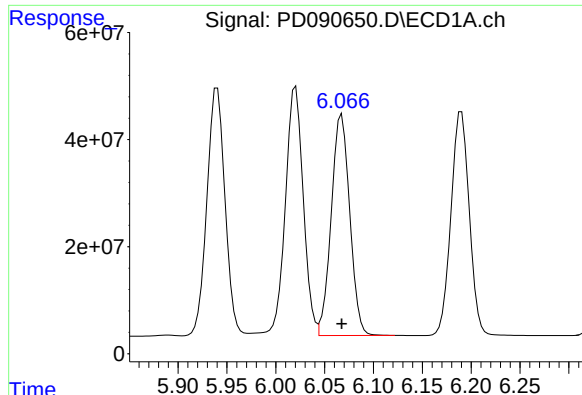
Delta R.T.: 0.000 min

Response: 3820342410

Conc: 96.87 ng/ml



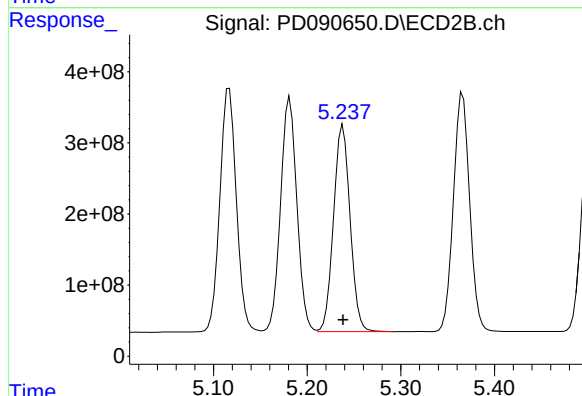
Time



#9 Endosulfan I

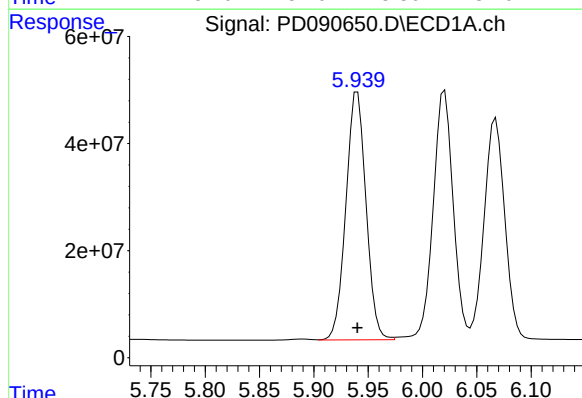
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 545227033
Conc: 100.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



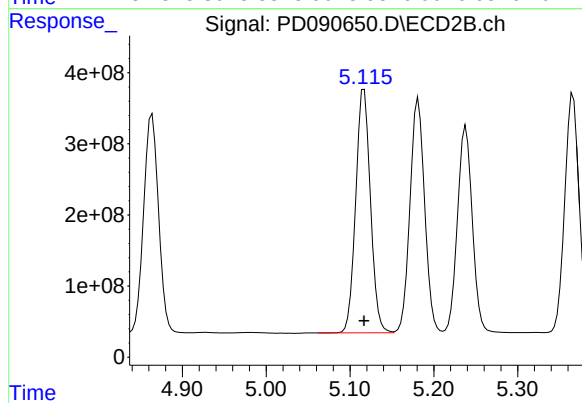
#9 Endosulfan I

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



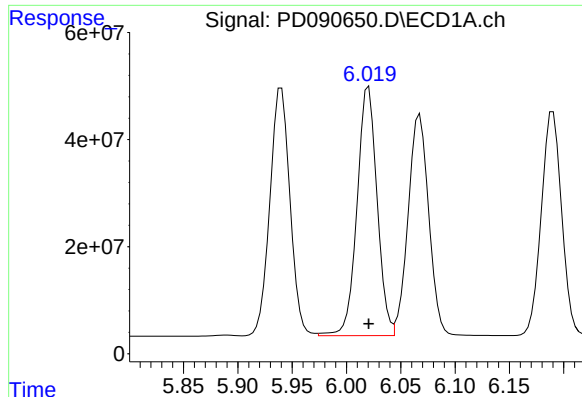
#10 gamma-Chlordane

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



#10 gamma-Chlordane

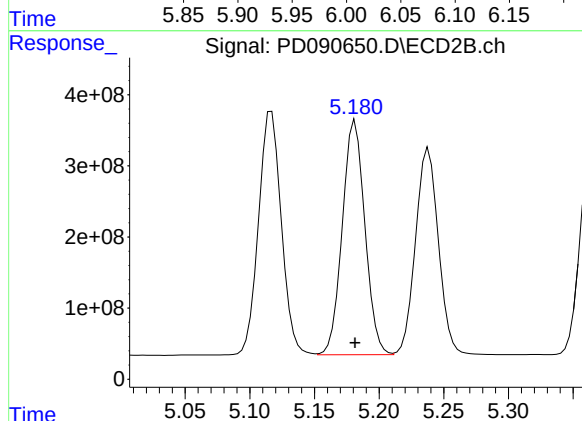
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 4192081714
Conc: 97.87 ng/ml



#11 alpha-Chlordane

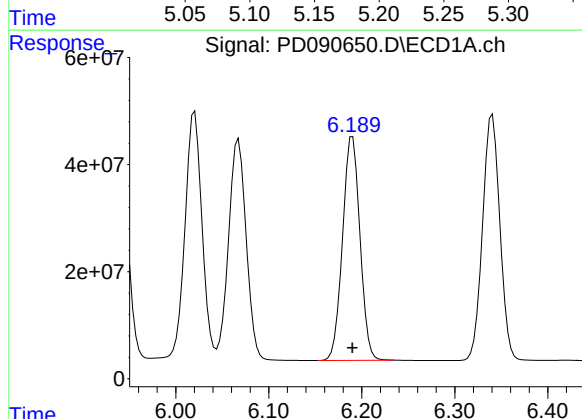
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 596606616
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



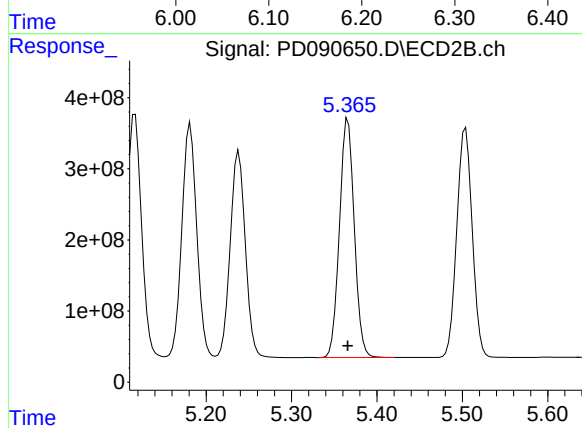
#11 alpha-Chlordane

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



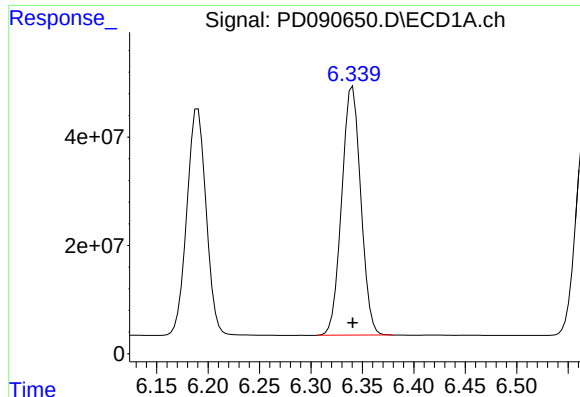
#12 4,4'-DDE

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



#12 4,4'-DDE

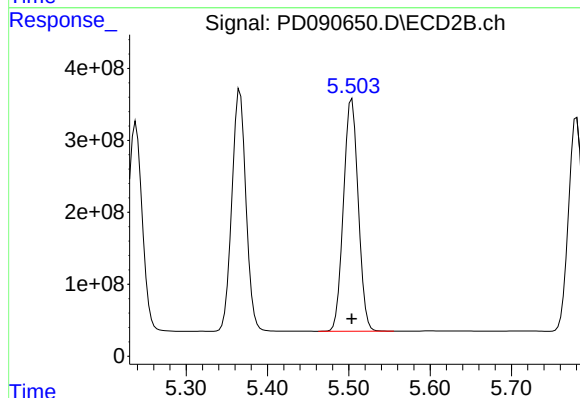
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 4050079316
Conc: 97.53 ng/ml



#13 Dieldrin

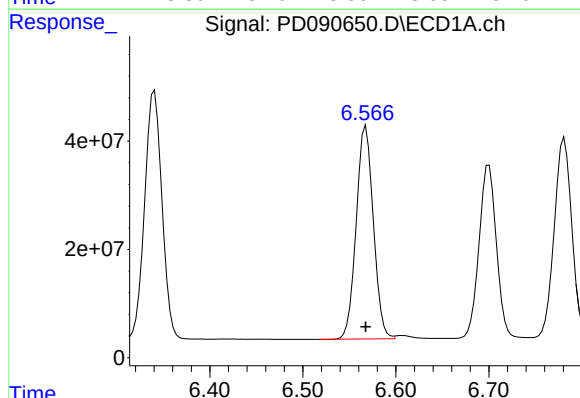
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 592988915
Conc: 100.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



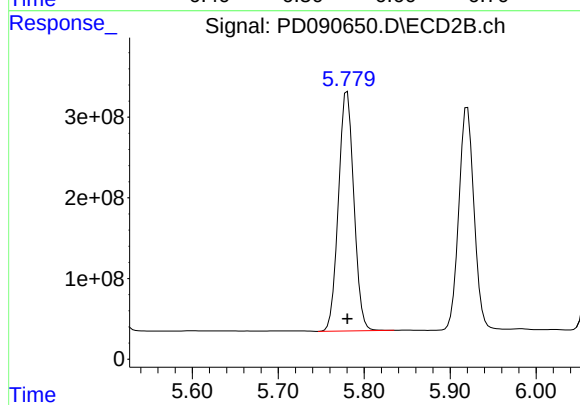
#13 Dieldrin

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



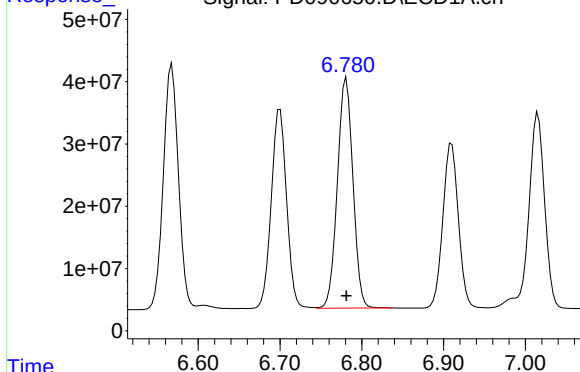
#14 Endrin

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



#14 Endrin

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



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

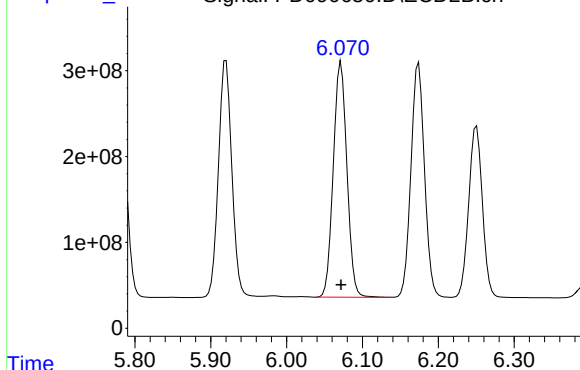
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II



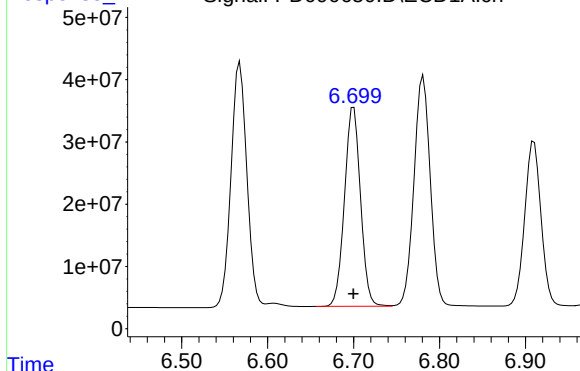
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3426973062
Conc: 96.94 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD



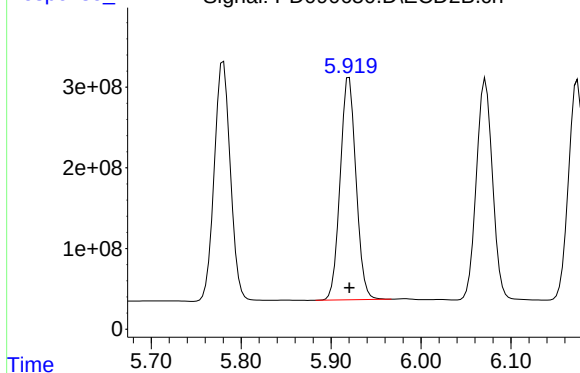
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 415098011
Conc: 101.16 ng/ml

Time

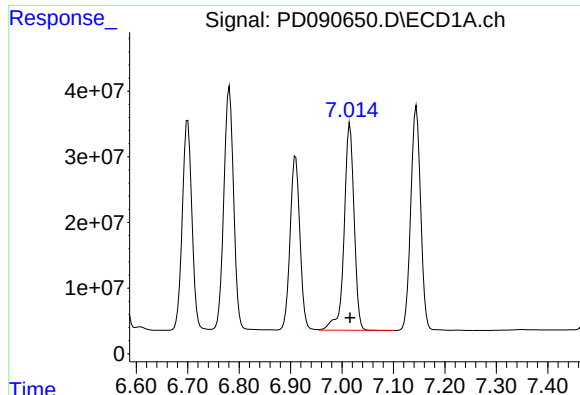
Response_

Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD



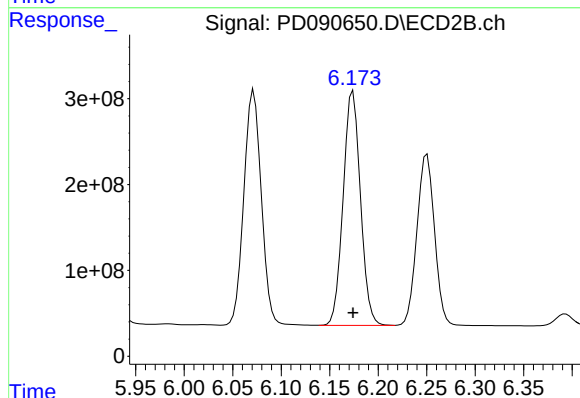
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 3370894623
Conc: 97.33 ng/ml



#17 4,4'-DDT

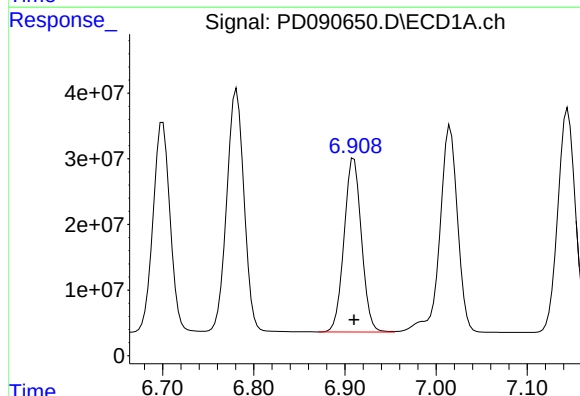
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 425681261
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



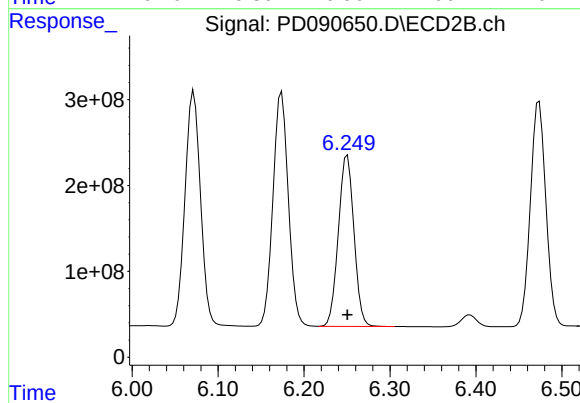
#17 4,4'-DDT

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



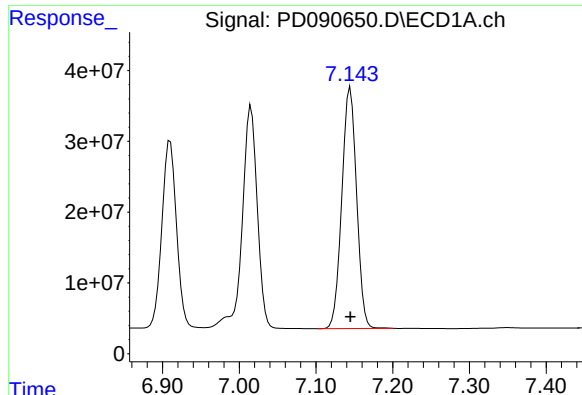
#18 Endrin aldehyde

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



#18 Endrin aldehyde

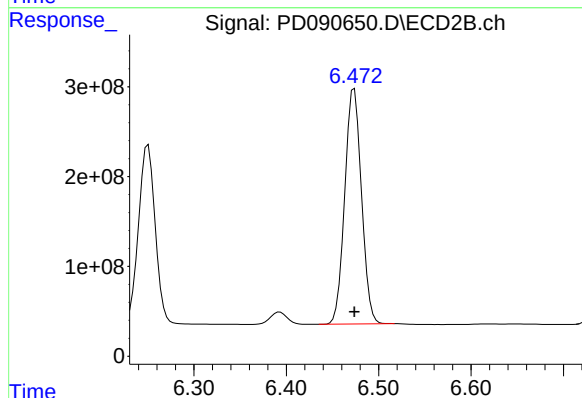
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 2511089389
Conc: 96.57 ng/ml



#19 Endosulfan Sulfate

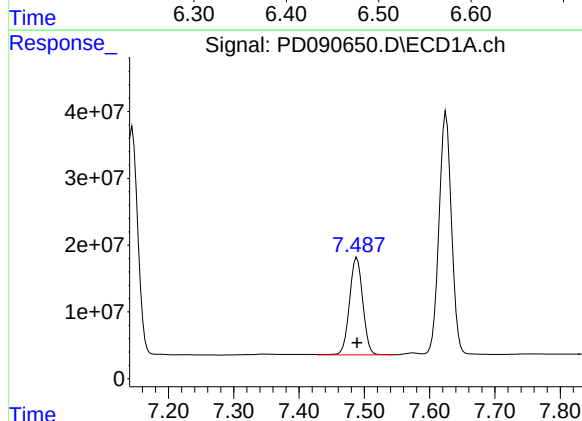
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 455705527
Conc: 100.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



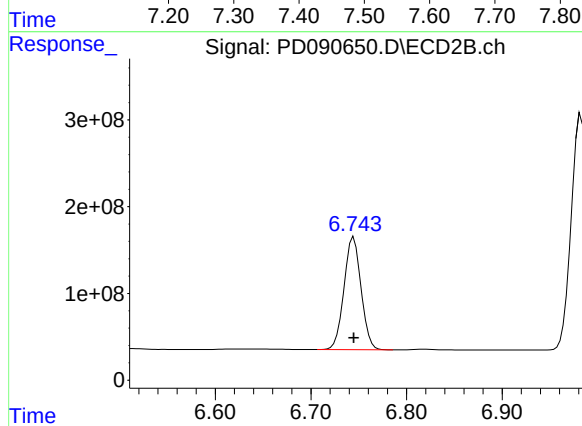
#19 Endosulfan Sulfate

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



#20 Methoxychlor

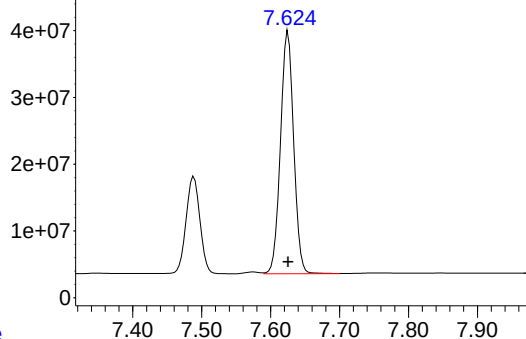
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 205006247
Conc: 99.31 ng/ml



#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

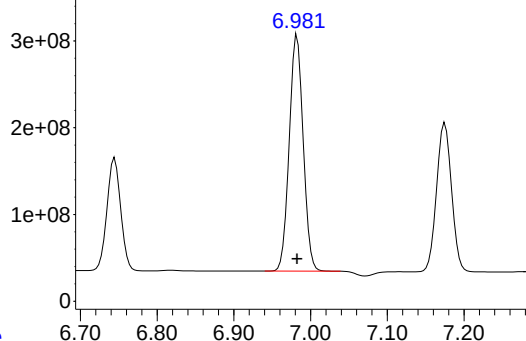


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

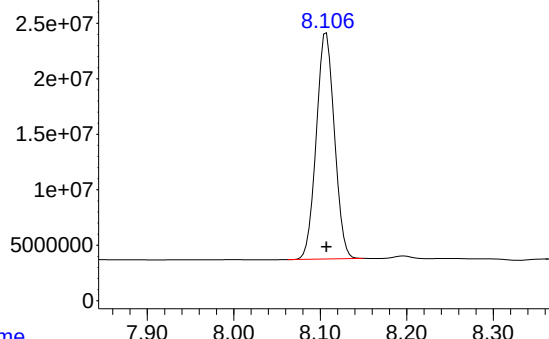
Time Response_ Signal: PD090650.D\ECD2B.ch



#21 Endrin ketone

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

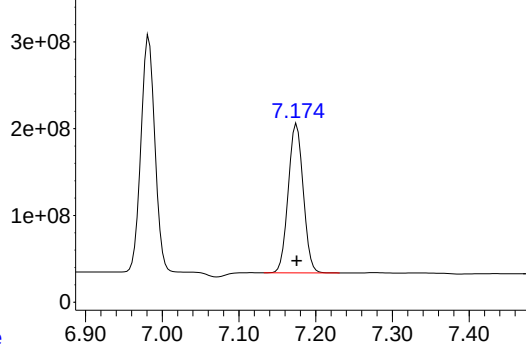
Time Response_ Signal: PD090650.D\ECD1A.ch



#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

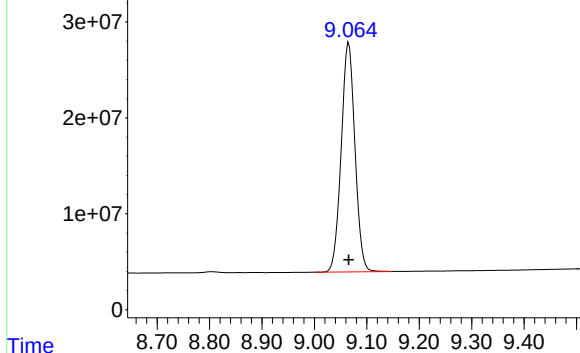
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 2331618859
Conc: 97.24 ng/ml

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

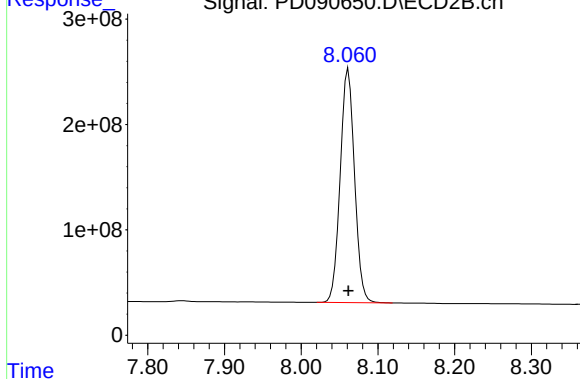
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

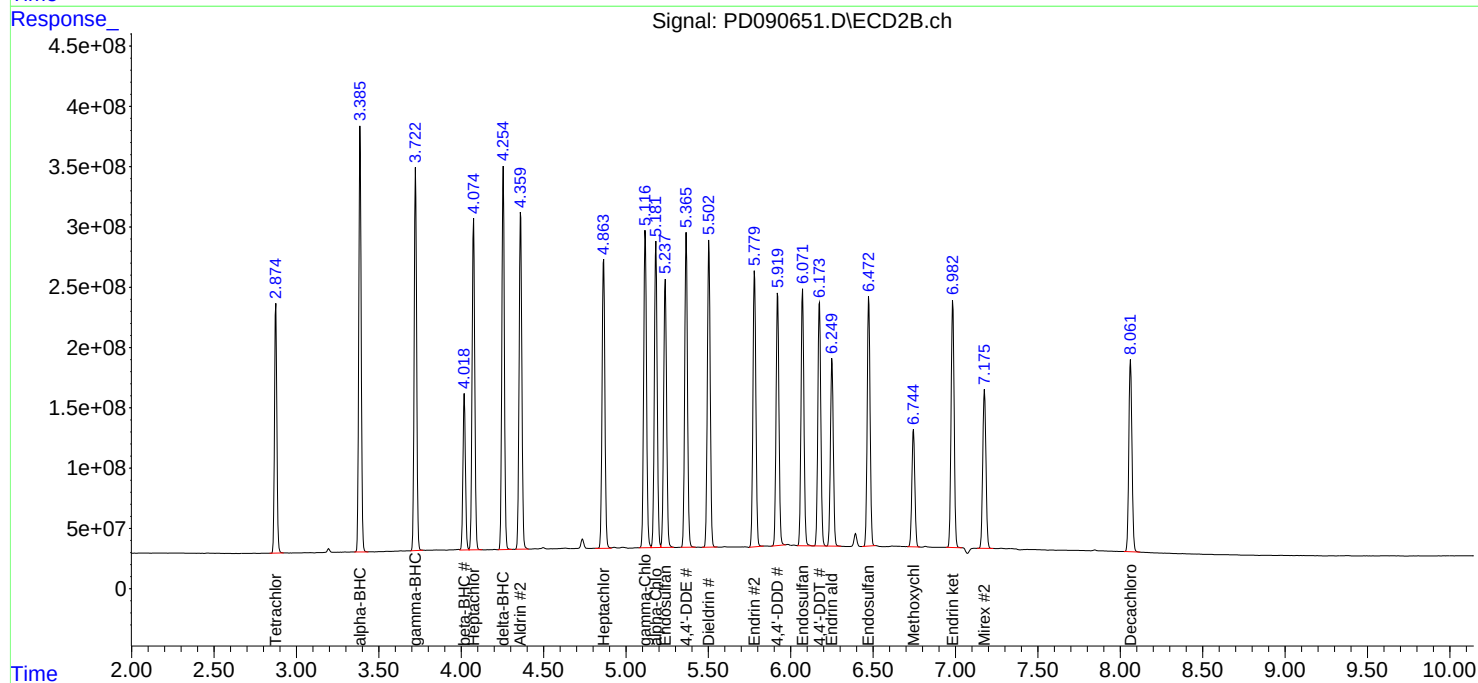
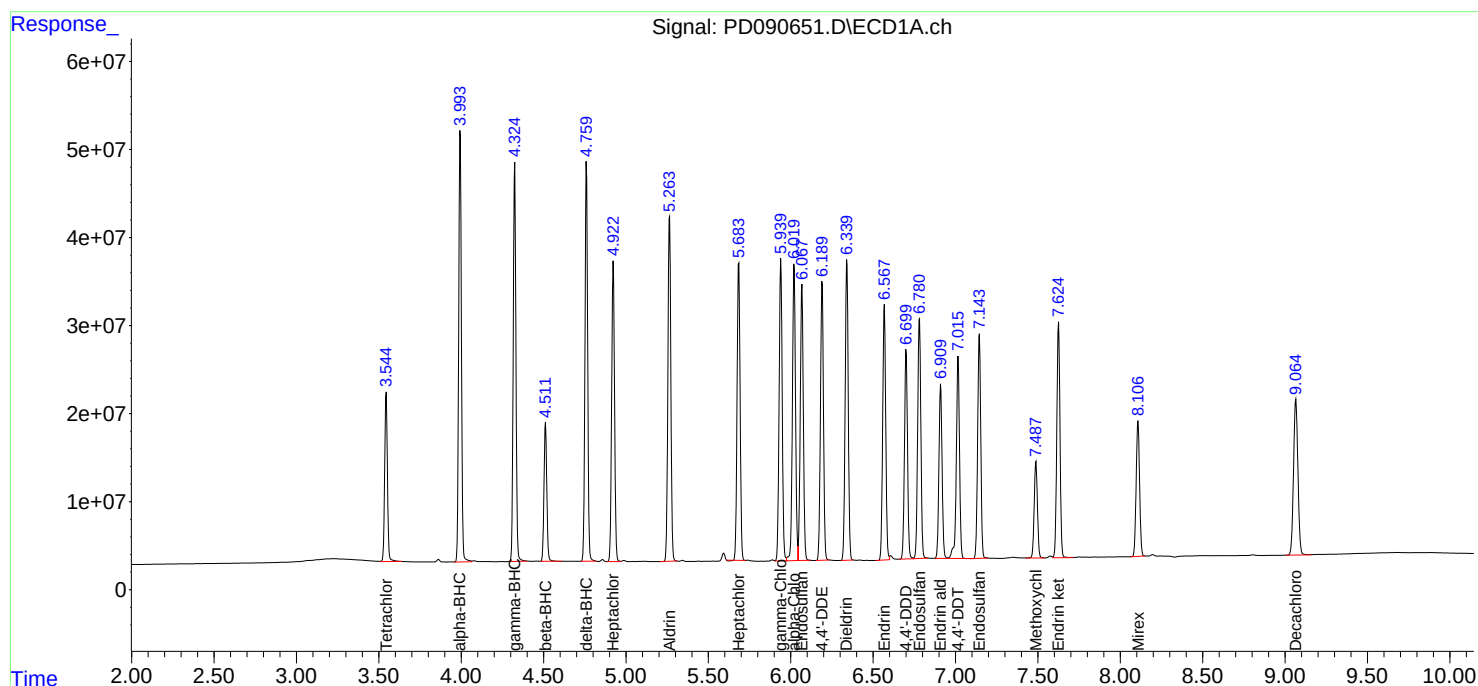
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

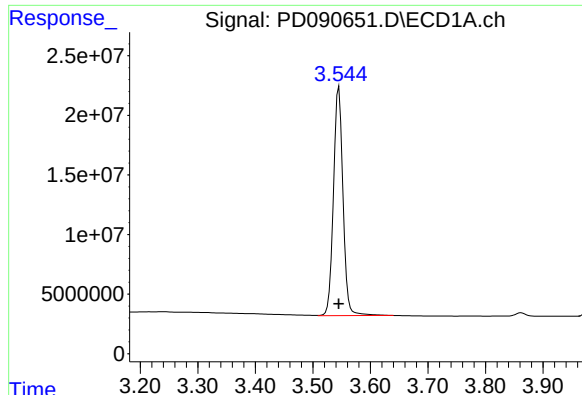
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

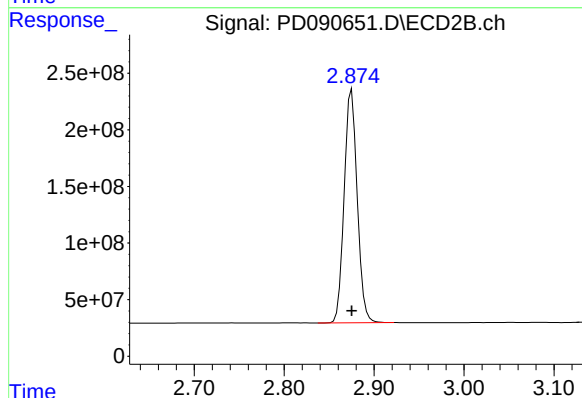




#1 Tetrachloro-m-xylene

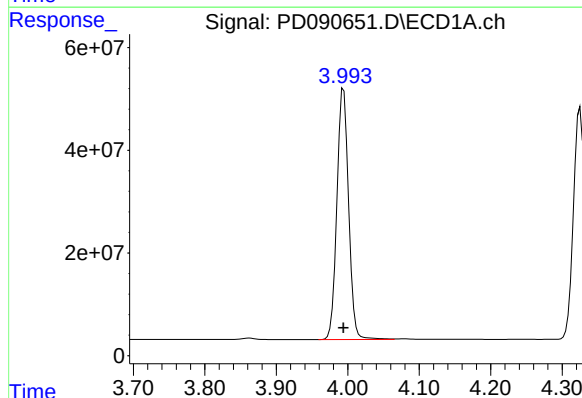
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 221338475
Conc: 73.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



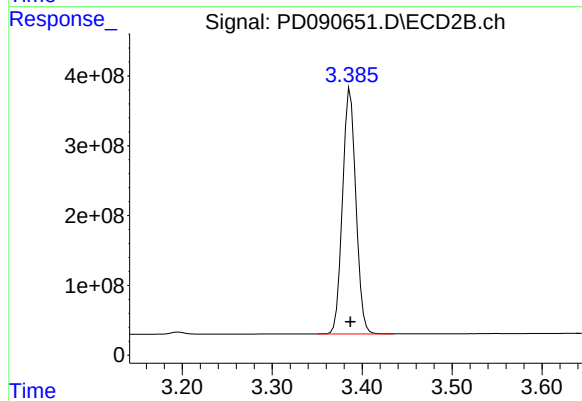
#1 Tetrachloro-m-xylene

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



#2 alpha-BHC

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



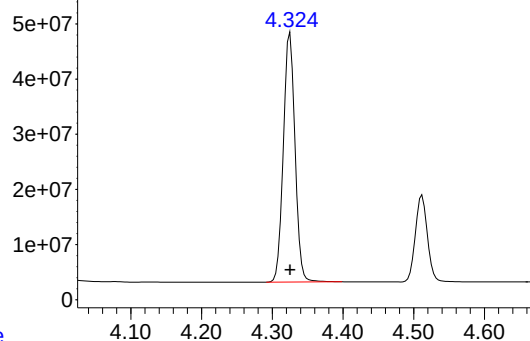
#2 alpha-BHC

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

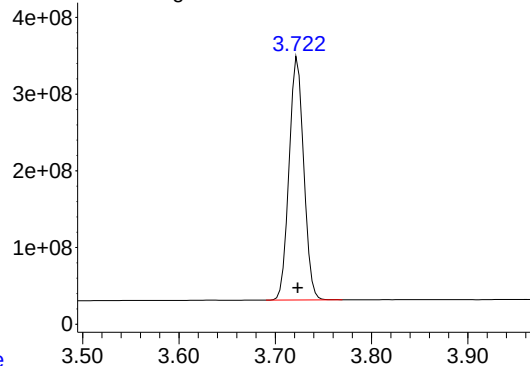
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#3 gamma-BHC (Lindane)



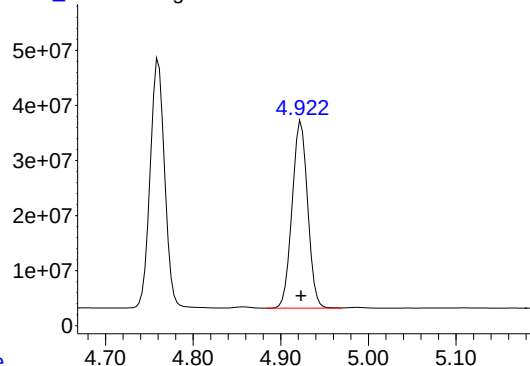
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 3345366469
Conc: 74.04 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#4 Heptachlor



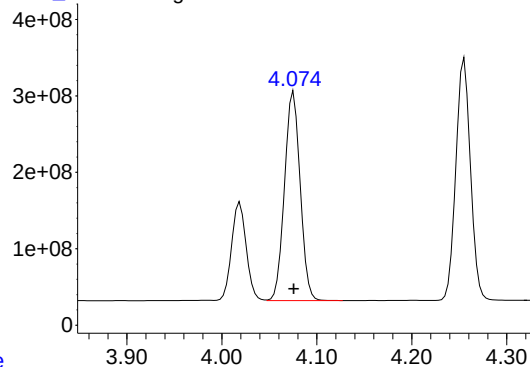
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 419813050
Conc: 74.52 ng/ml

Time

Response_

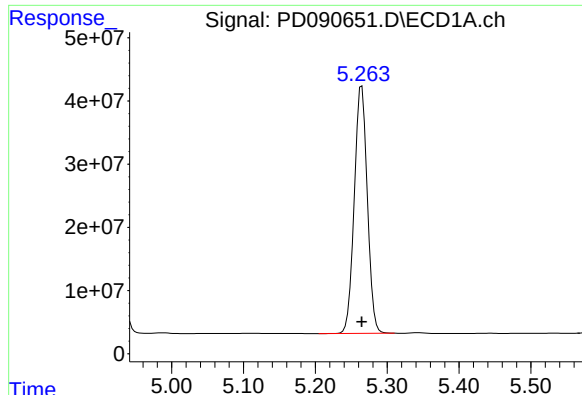
Signal: PD090651.D\ECD2B.ch

#4 Heptachlor



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

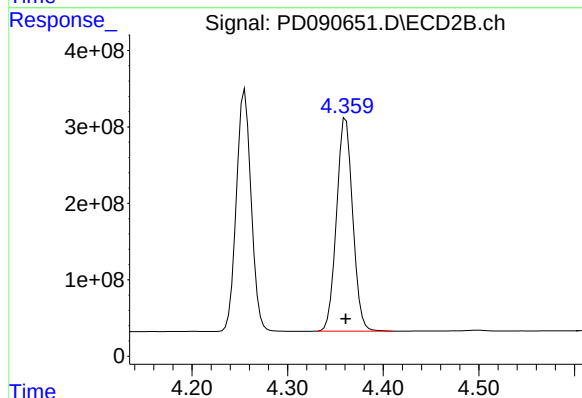
Time



#5 Aldrin

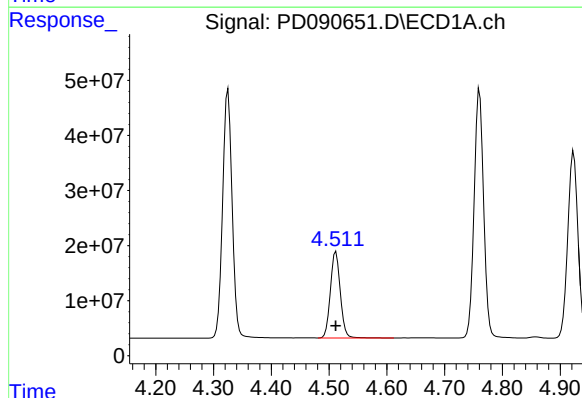
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 492167044
Conc: 74.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



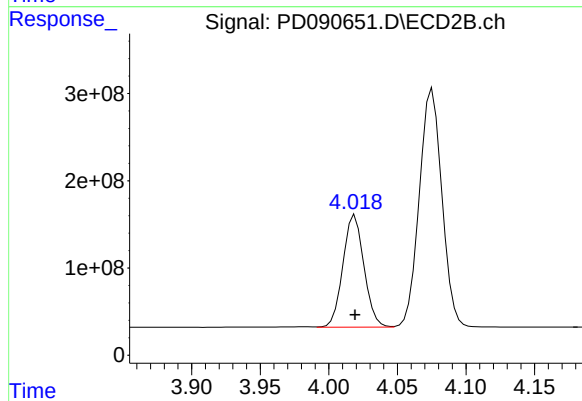
#5 Aldrin

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

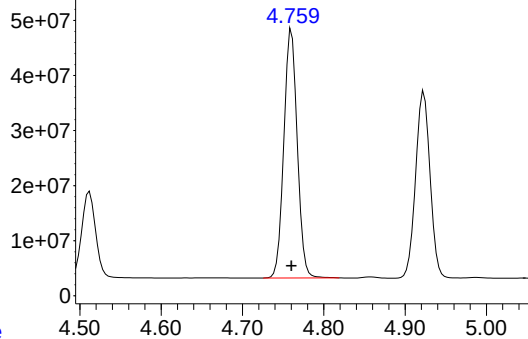
R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1377409505
Conc: 74.13 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC

ICAL Form



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

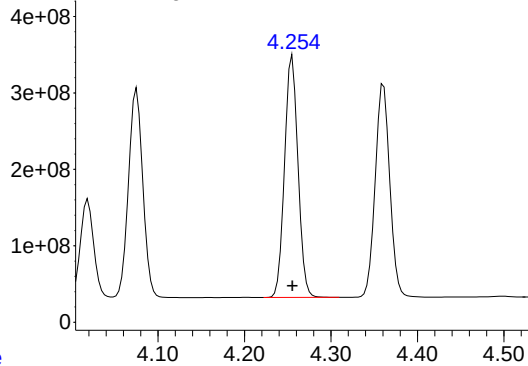
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



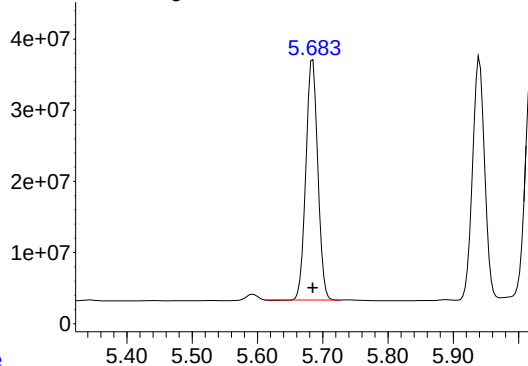
R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3391516826
Conc: 74.26 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



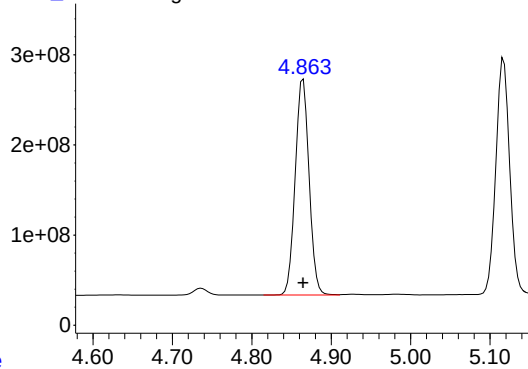
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 428112423
Conc: 74.57 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#8 Heptachlor epoxide



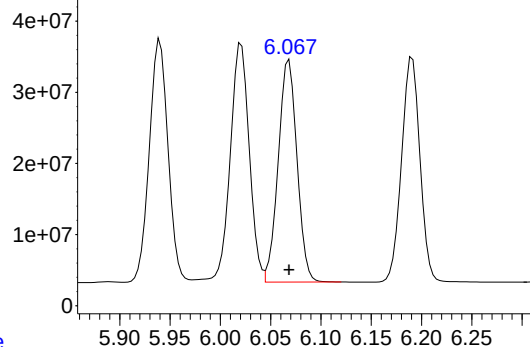
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2916863262
Conc: 74.30 ng/ml

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

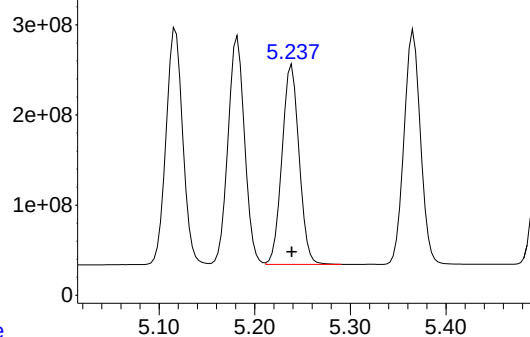
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#9 Endosulfan I



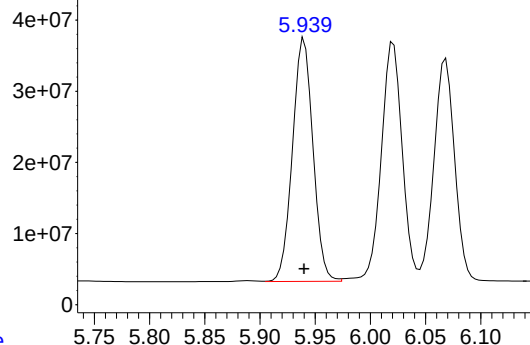
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 2743979164
Conc: 74.50 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#10 gamma-Chlordane



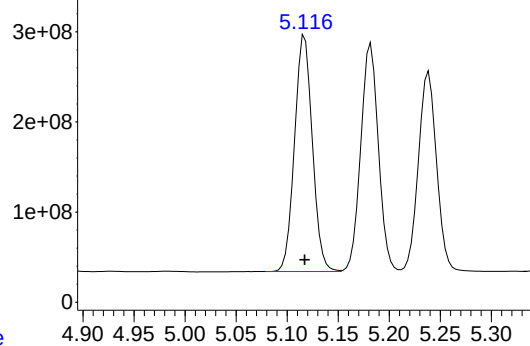
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 442053358
Conc: 74.83 ng/ml

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

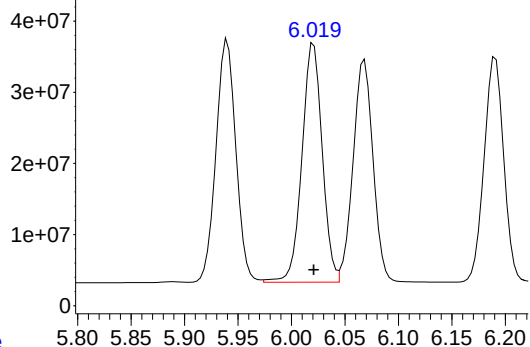
Time

Response_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



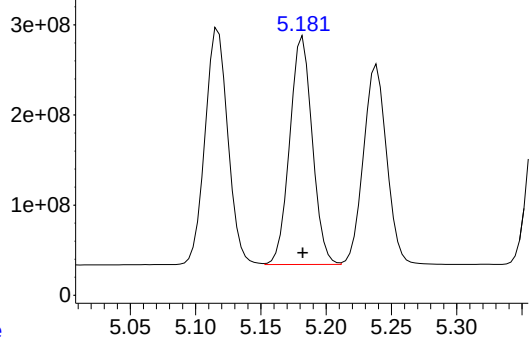
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 442910146
Conc: 74.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Response_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



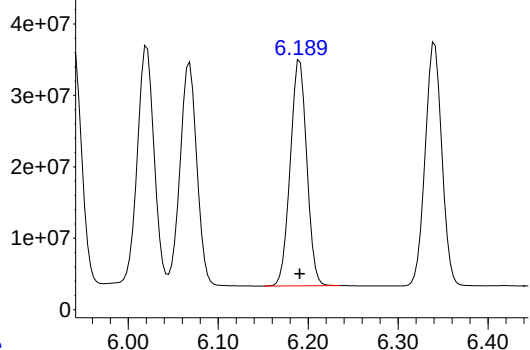
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 3041262707
Conc: 74.51 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



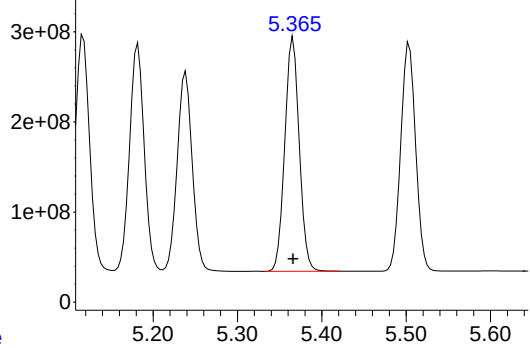
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 402806011
Conc: 74.95 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

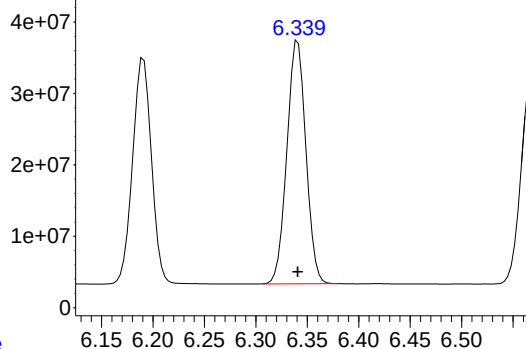
#12 4,4'-DDE



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

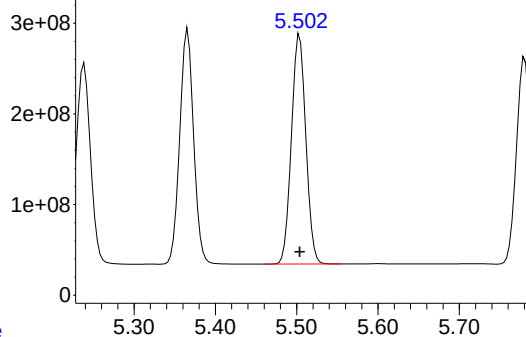


#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

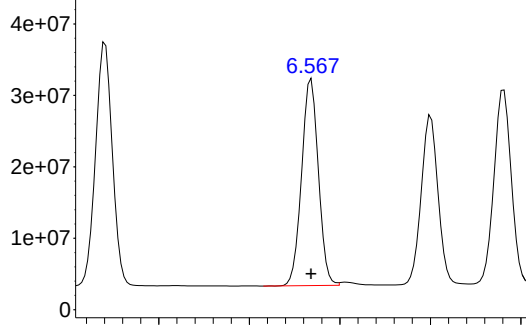
Response_ Signal: PD090651.D\ECD2B.ch



#13 Dieldrin

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

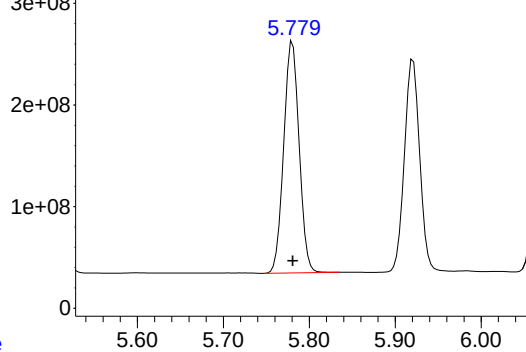
Response_ Signal: PD090651.D\ECD1A.ch



#14 Endrin

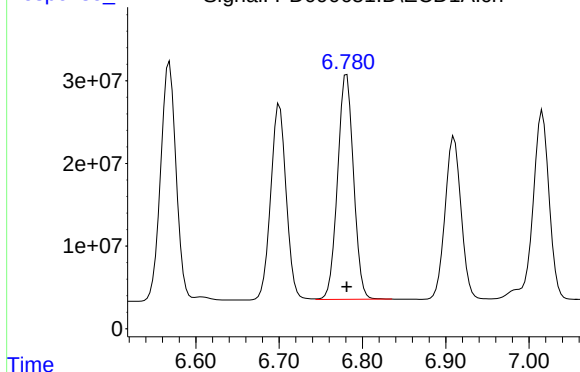
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 372217983
Conc: 74.76 ng/ml

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



R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 362696180
Conc: 74.56 ng/ml

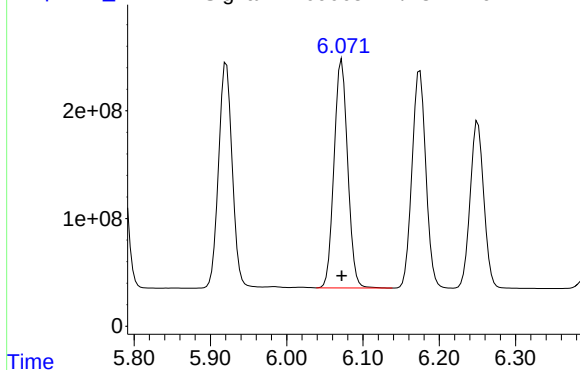
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#15 Endosulfan II



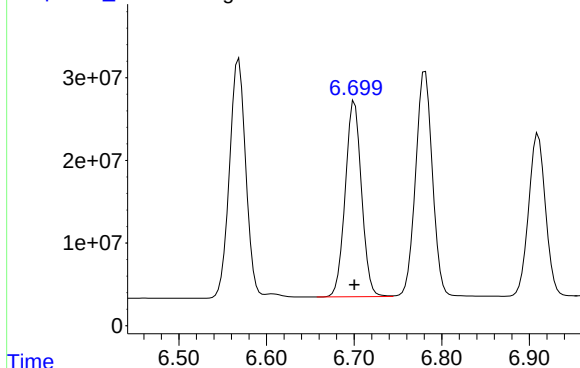
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2622605787
Conc: 74.46 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#16 4,4'-DDD



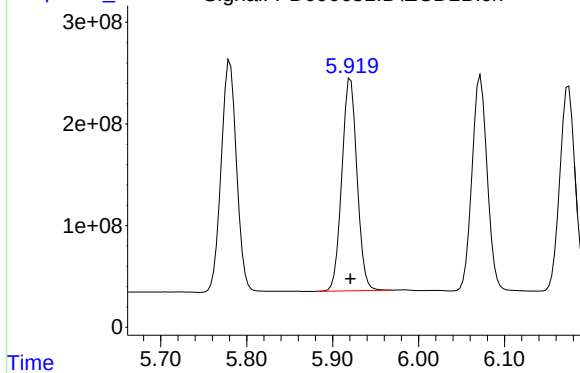
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 305645357
Conc: 74.66 ng/ml

Time

Response_

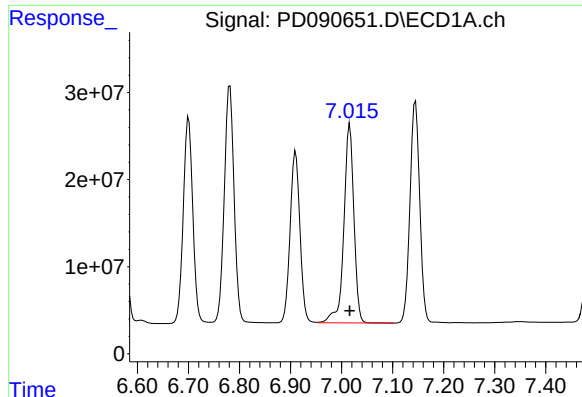
Signal: PD090651.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 2573202277
Conc: 74.53 ng/ml

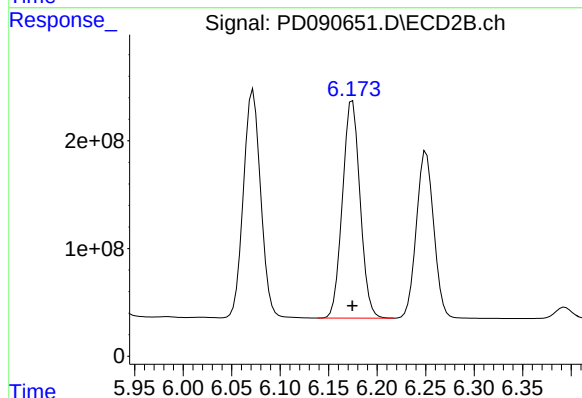
Time



#17 4,4'-DDT

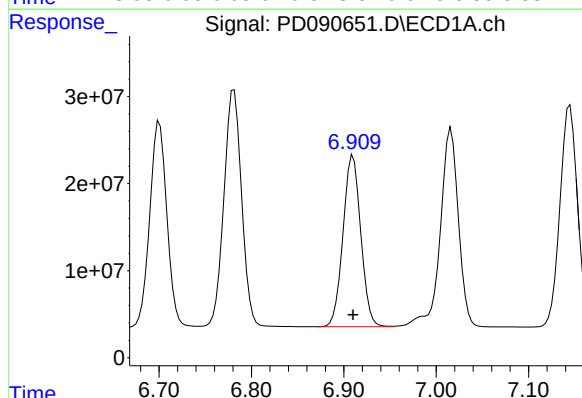
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 311444736
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



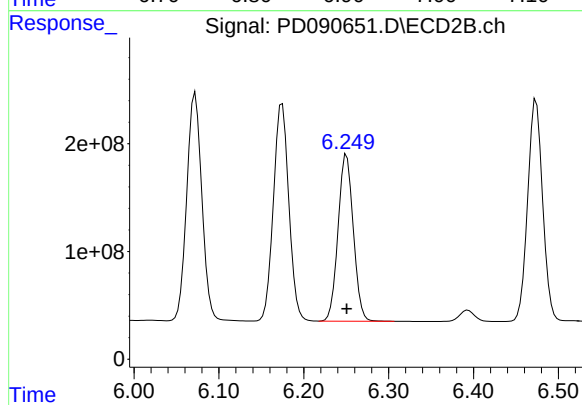
#17 4,4'-DDT

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



#18 Endrin aldehyde

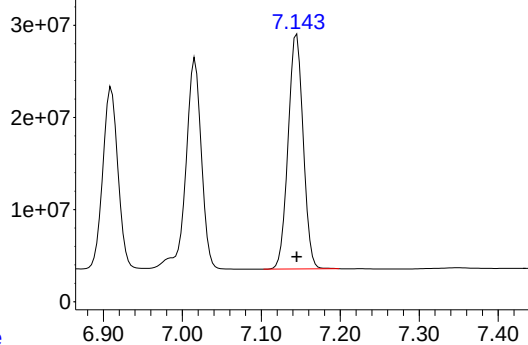
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 263096696
Conc: 74.56 ng/ml



#18 Endrin aldehyde

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

Response_ Signal: PD090651.D\ECD1A.ch

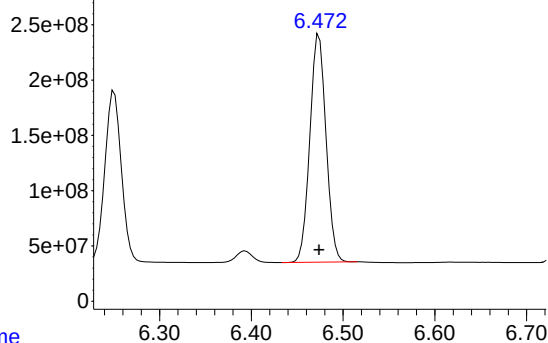


#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

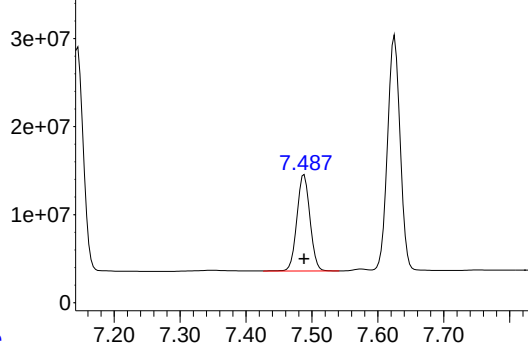
Time Response_ Signal: PD090651.D\ECD2B.ch



#19 Endosulfan Sulfate

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

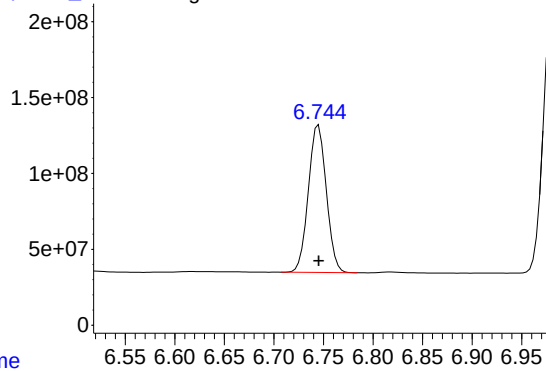
Time Response_ Signal: PD090651.D\ECD1A.ch



#20 Methoxychlor

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

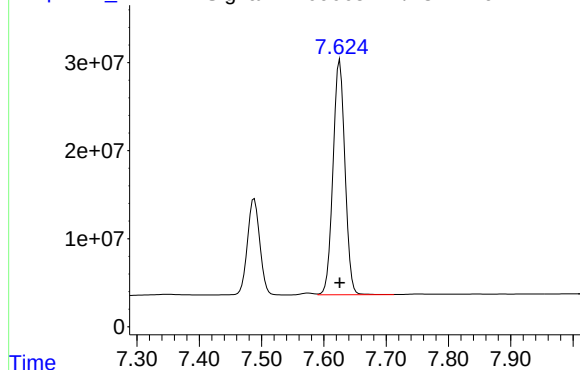
Time Response_ Signal: PD090651.D\ECD2B.ch



#20 Methoxychlor

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

Response_ Signal: PD090651.D\ECD1A.ch

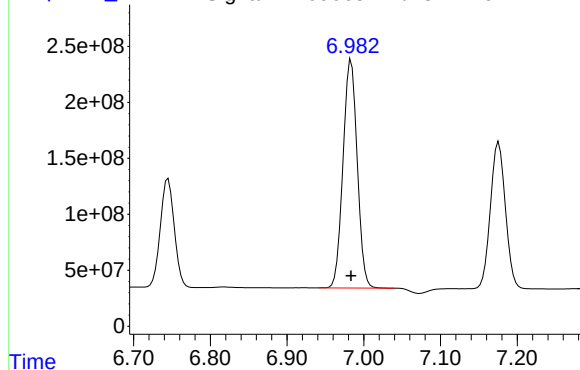


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

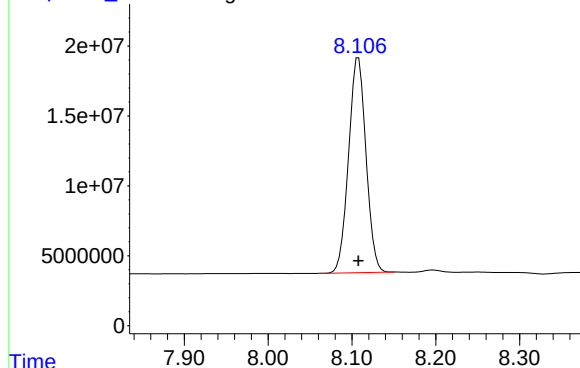
Response_ Signal: PD090651.D\ECD2B.ch



#21 Endrin ketone

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

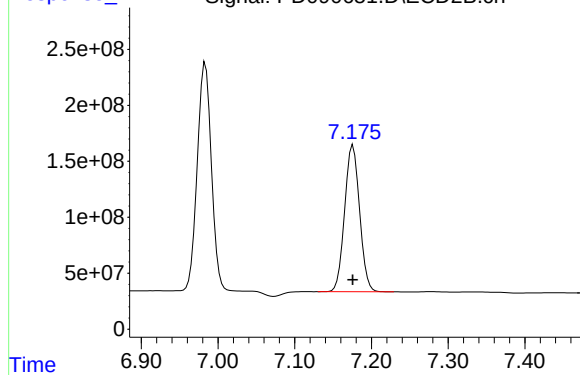
Response_ Signal: PD090651.D\ECD1A.ch



#22 Mirex

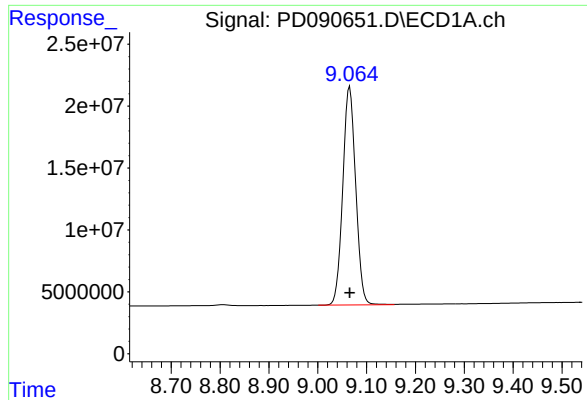
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 222493333
Conc: 74.05 ng/ml

Response_ Signal: PD090651.D\ECD2B.ch



#22 Mirex

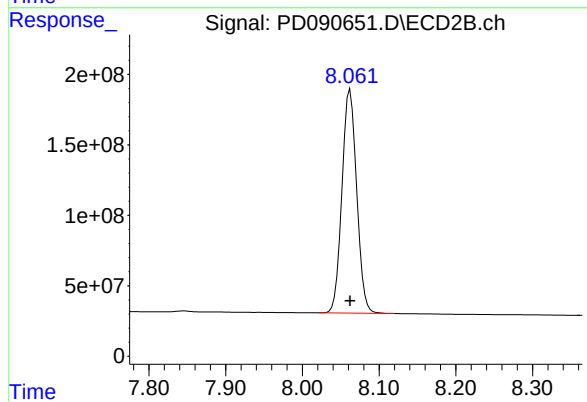
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1780357534
Conc: 74.50 ng/ml



#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

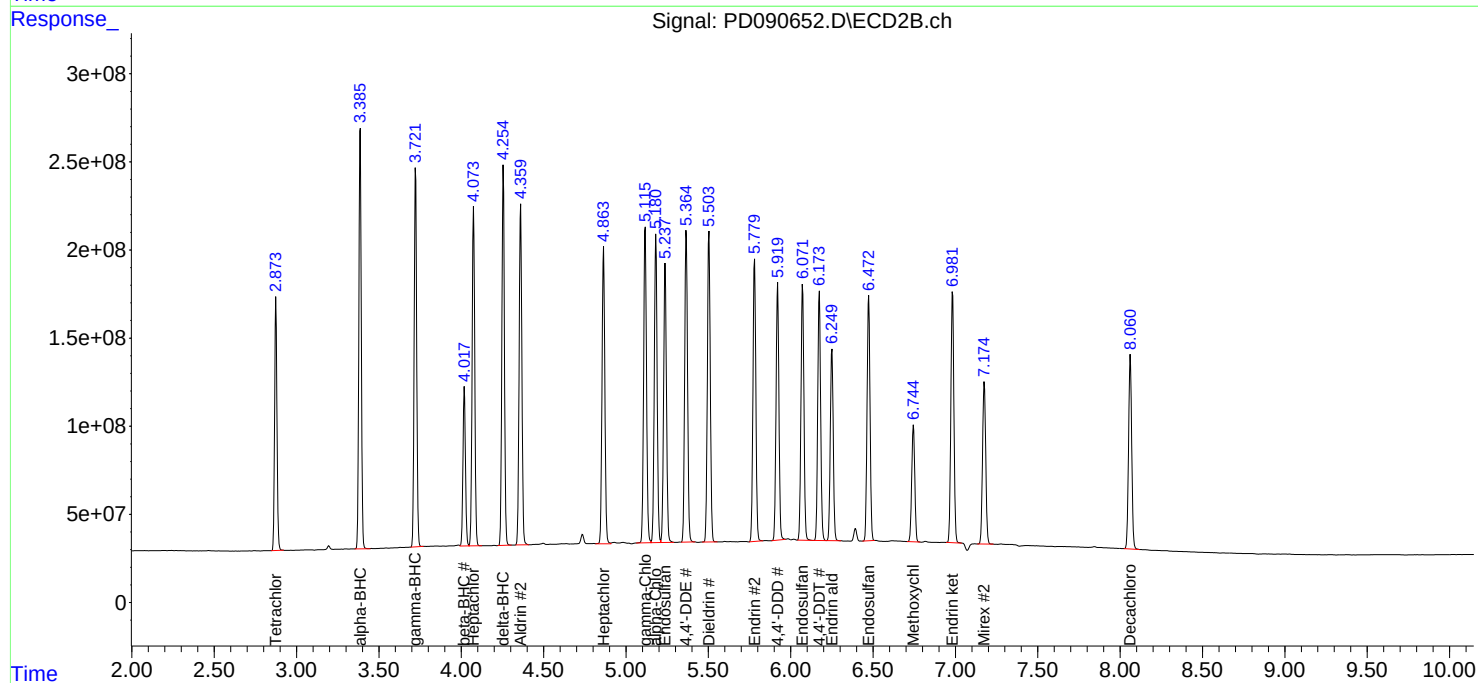
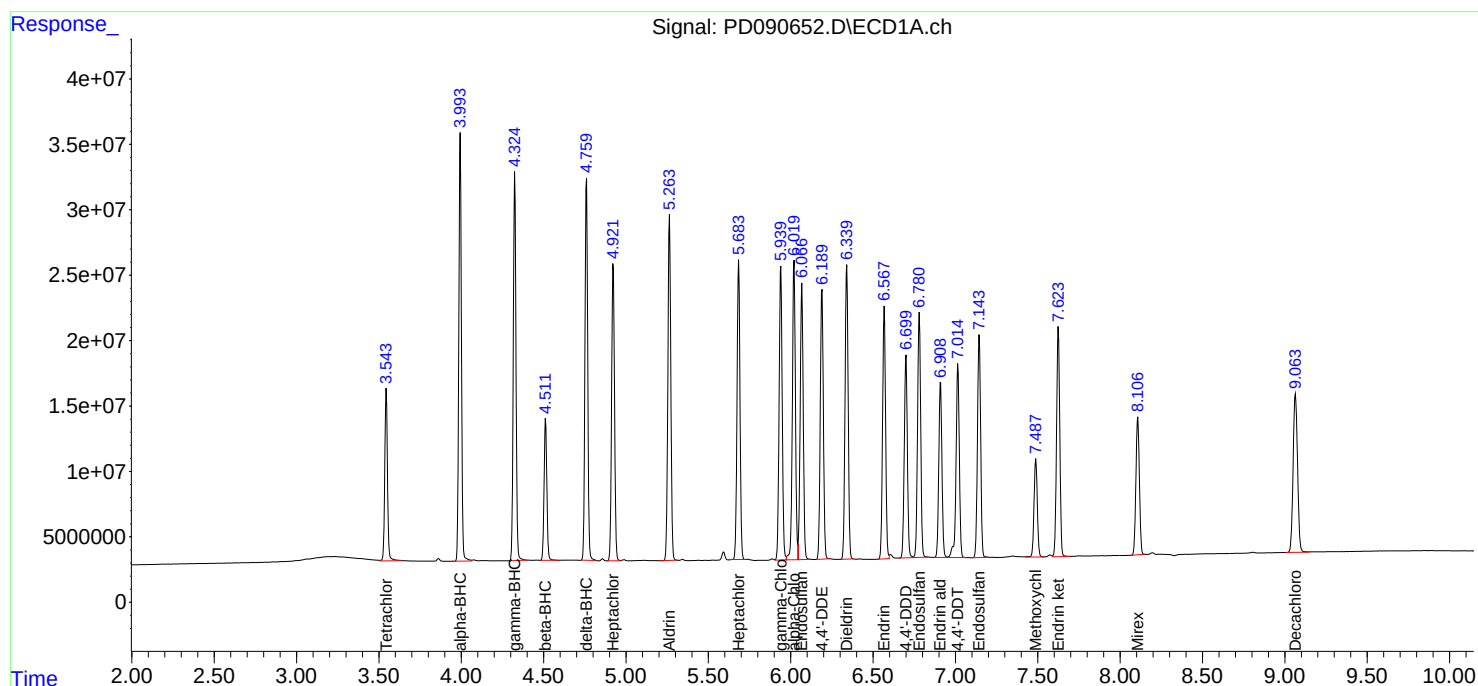
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

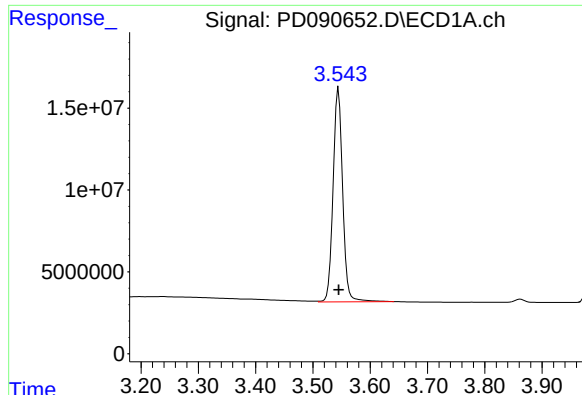
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

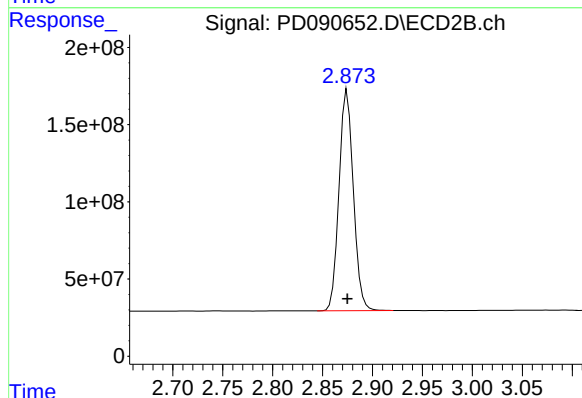




#1 Tetrachloro-m-xylene

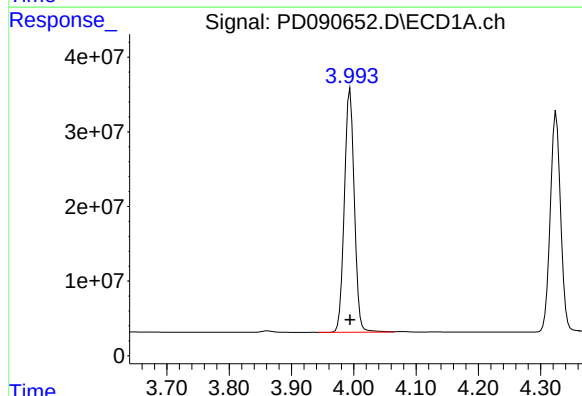
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 151504775
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



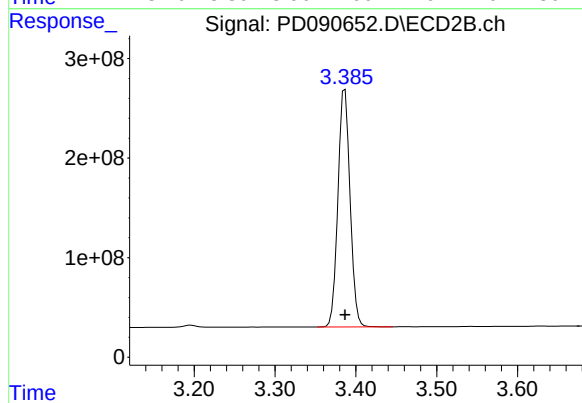
#1 Tetrachloro-m-xylene

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



#2 alpha-BHC

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



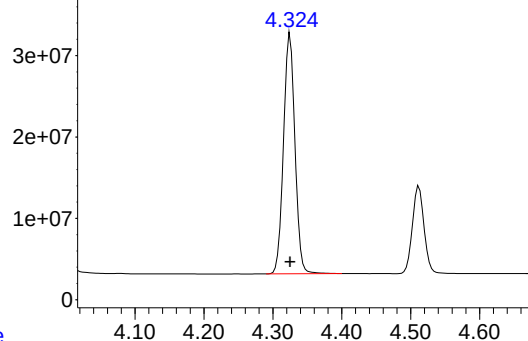
#2 alpha-BHC

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

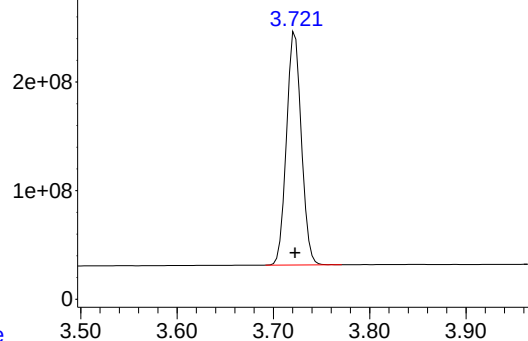
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#3 gamma-BHC (Lindane)



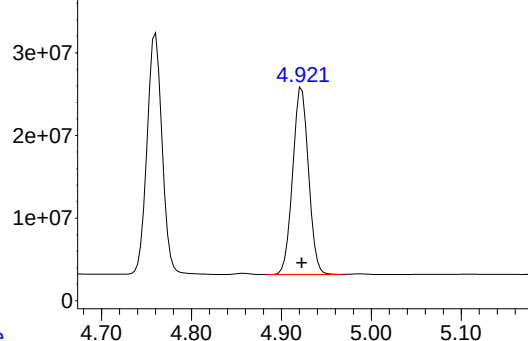
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2298638612
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#4 Heptachlor



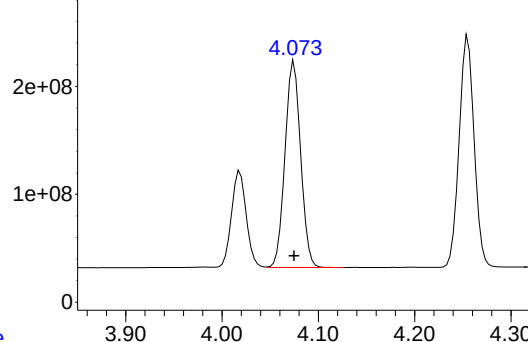
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 277277005
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD2B.ch

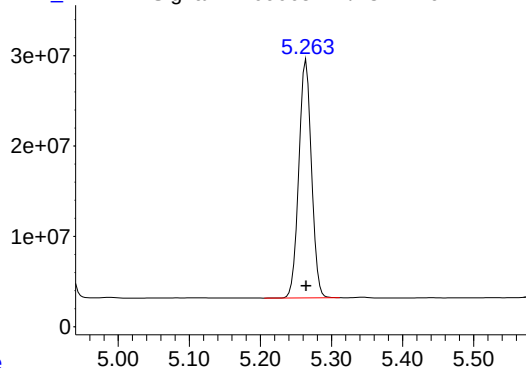
#4 Heptachlor



R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2161964168
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090652.D\ECD1A.ch

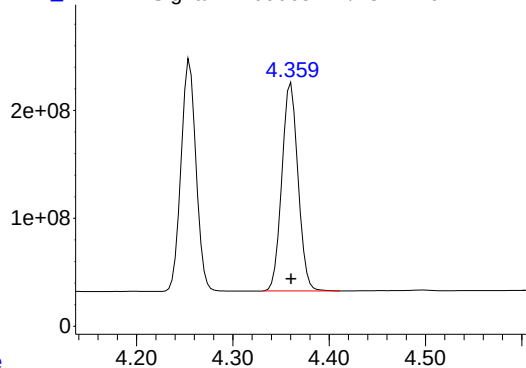


#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

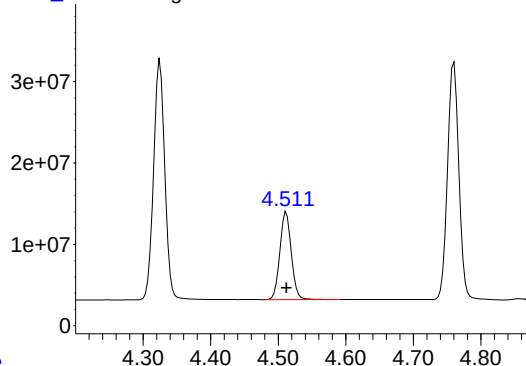
Time Response_ Signal: PD090652.D\ECD2B.ch



#5 Aldrin

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

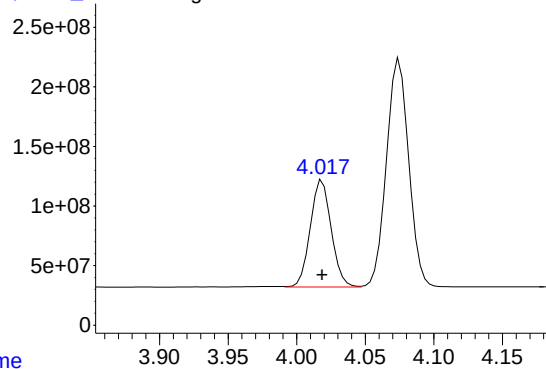
Time Response_ Signal: PD090652.D\ECD1A.ch



#6 beta-BHC

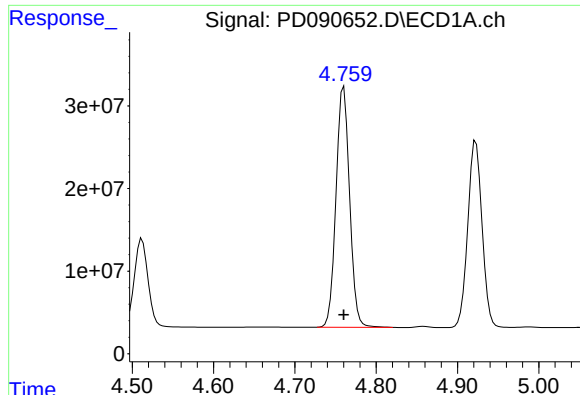
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 127018373
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#6 beta-BHC

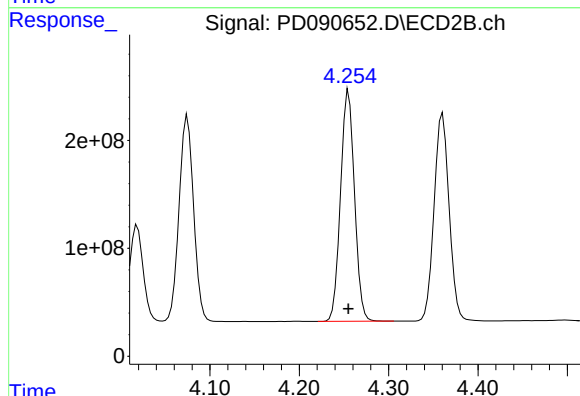
R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 954037739
Conc: 50.00 ng/ml



#7 delta-BHC

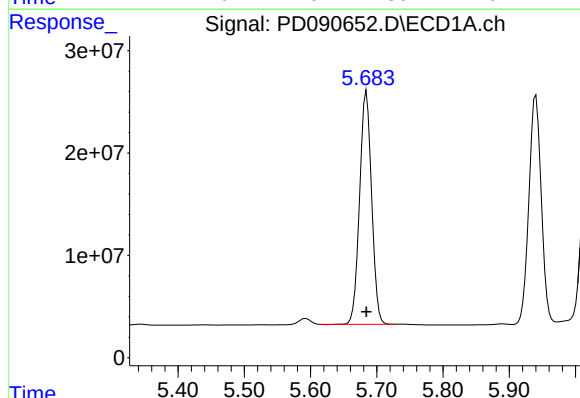
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 338575319
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



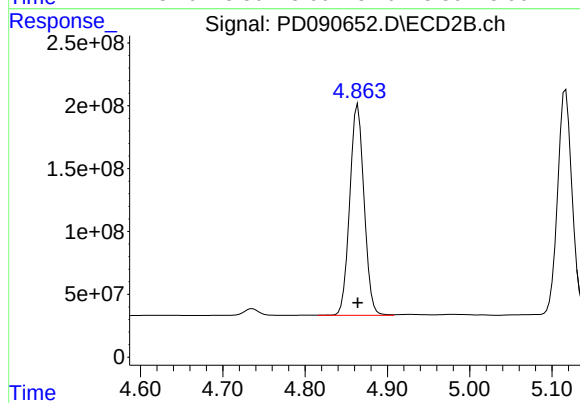
#7 delta-BHC

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



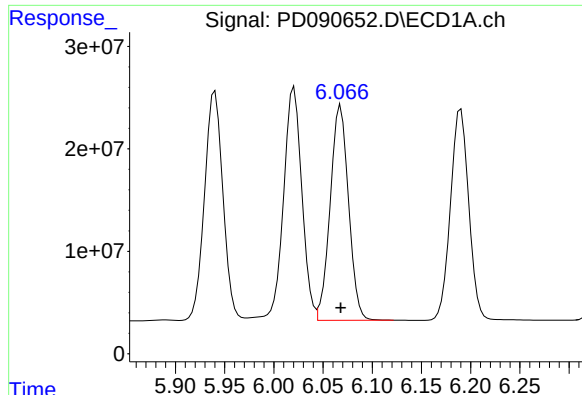
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

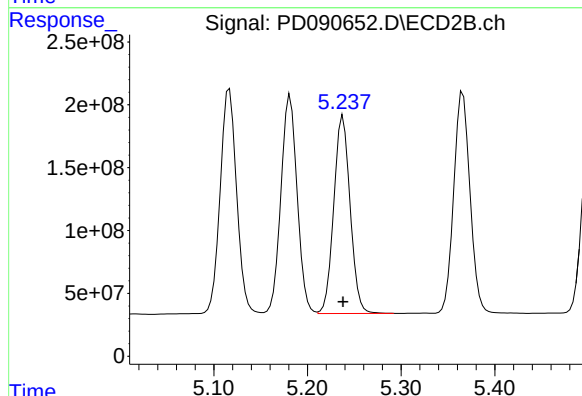
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2033647315
Conc: 50.00 ng/ml



#9 Endosulfan I

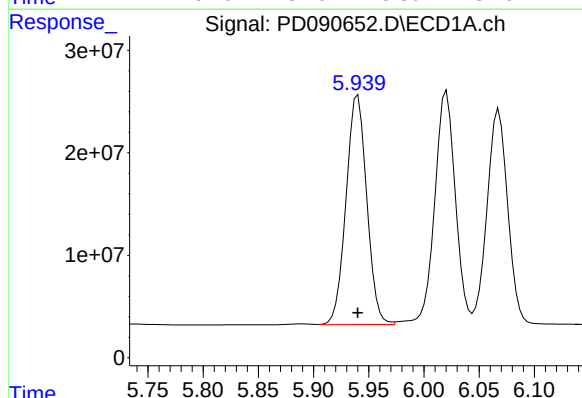
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272452330
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



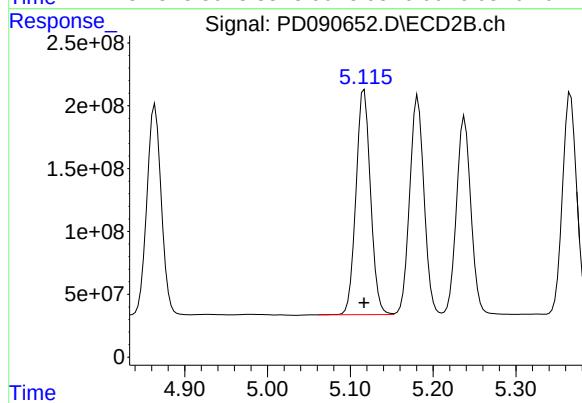
#9 Endosulfan I

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



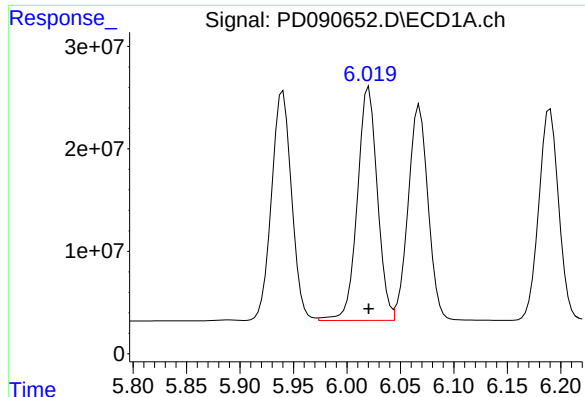
#10 gamma-Chlordane

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



#10 gamma-Chlordane

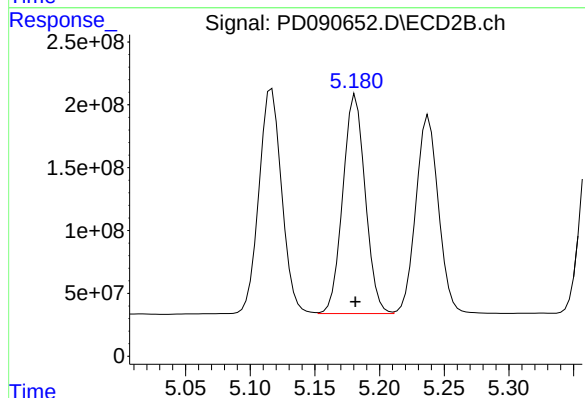
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2187405429
Conc: 50.00 ng/ml



#11 alpha-Chlordane

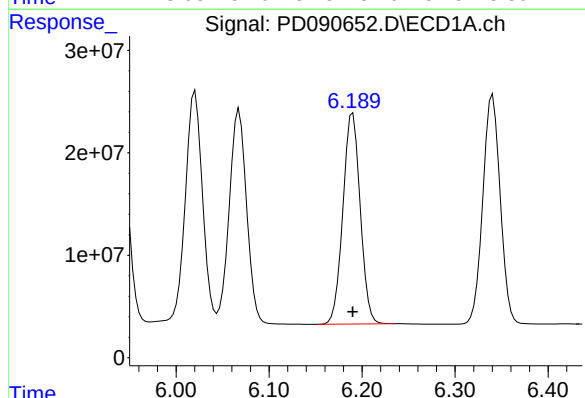
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 296932529
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



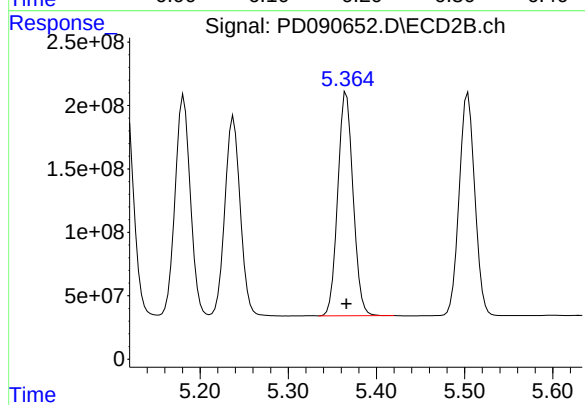
#11 alpha-Chlordane

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



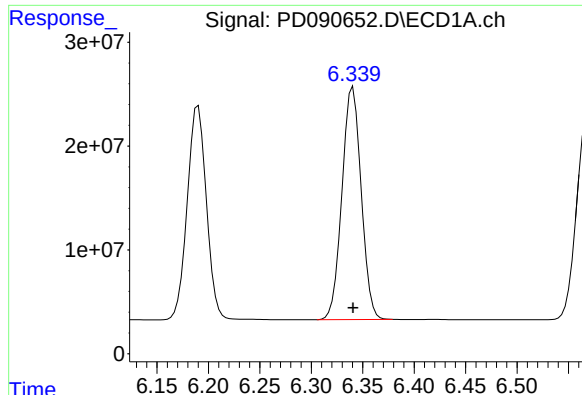
#12 4,4'-DDE

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



#12 4,4'-DDE

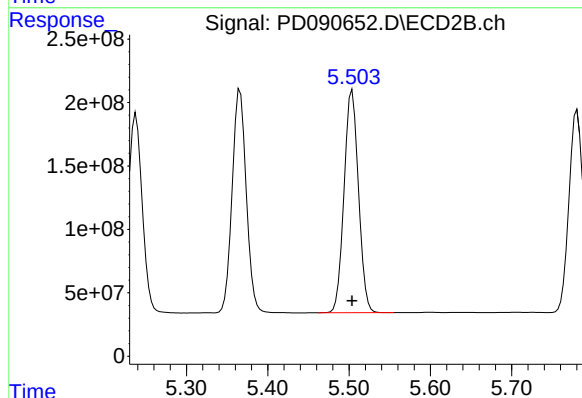
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2127431088
Conc: 50.00 ng/ml



#13 Dieldrin

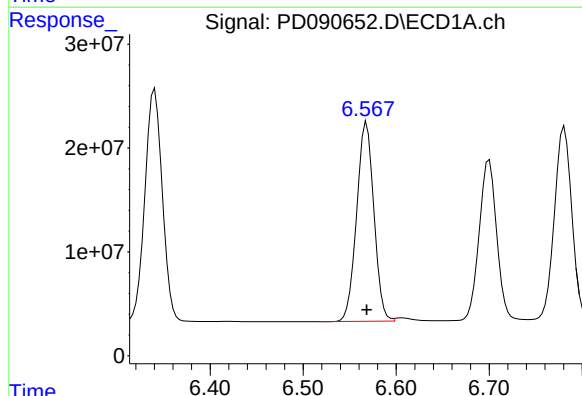
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 290909064
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



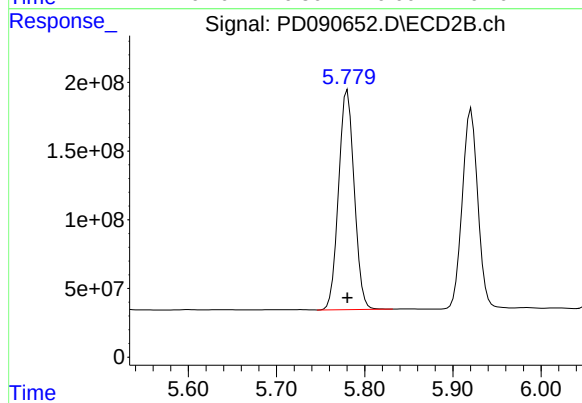
#13 Dieldrin

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



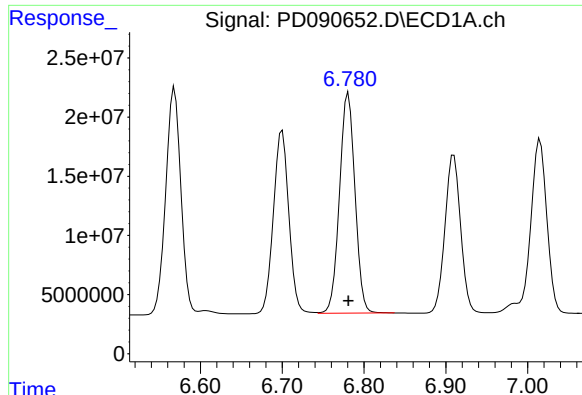
#14 Endrin

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



#14 Endrin

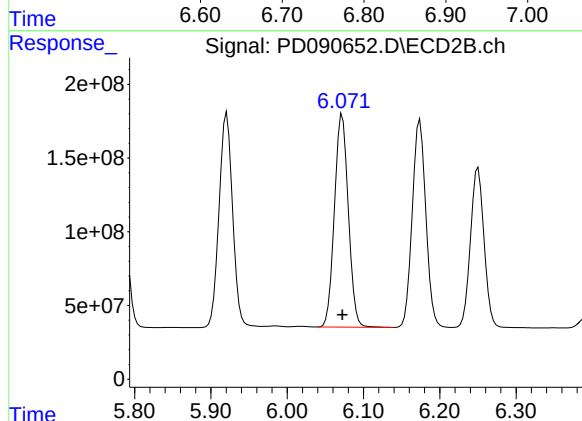
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1970044096
Conc: 50.00 ng/ml



#15 Endosulfan II

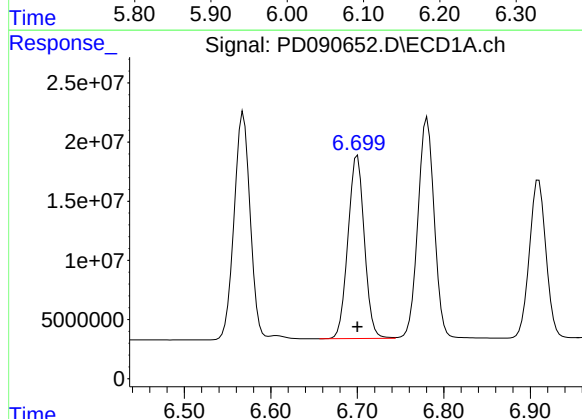
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 244253888
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



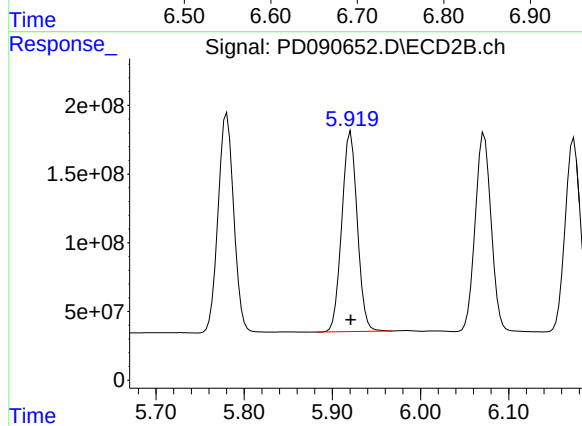
#15 Endosulfan II

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



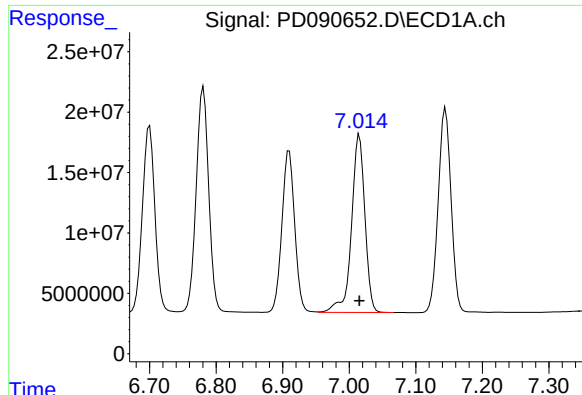
#16 4,4'-DDD

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



#16 4,4'-DDD

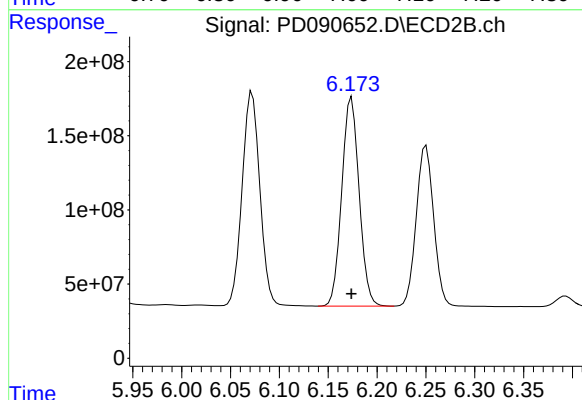
R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1778046885
Conc: 50.00 ng/ml



#17 4,4'-DDT

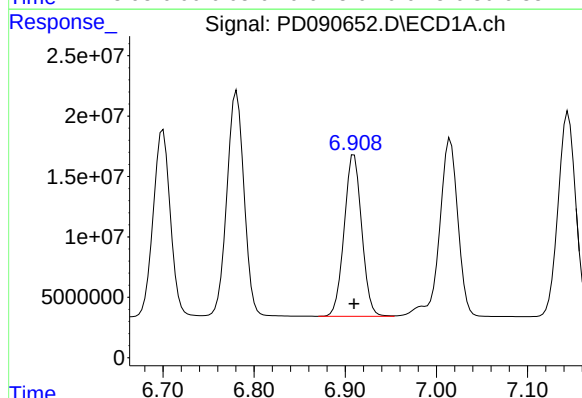
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 205896645
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



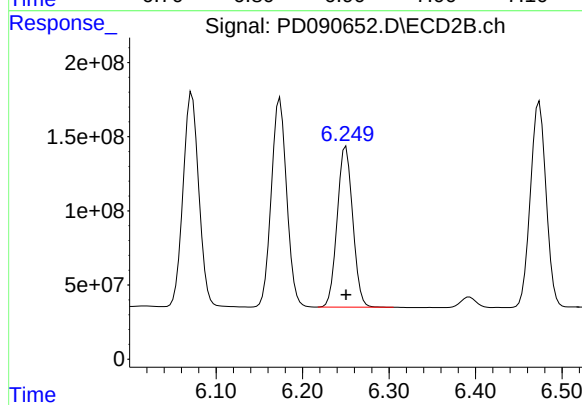
#17 4,4'-DDT

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



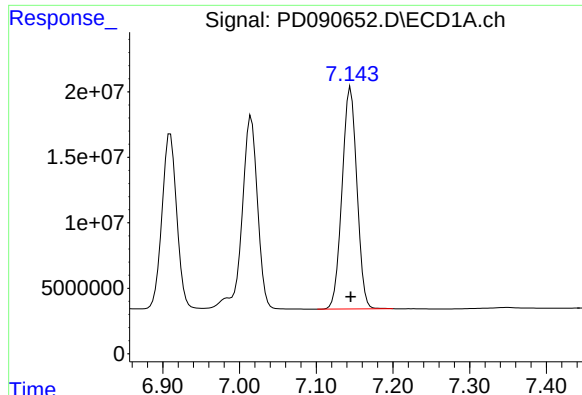
#18 Endrin aldehyde

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



#18 Endrin aldehyde

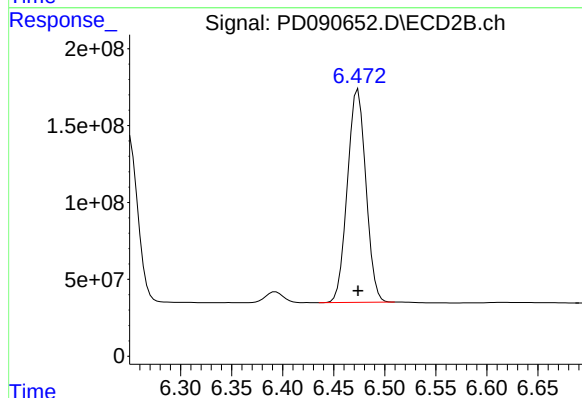
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1344655981
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

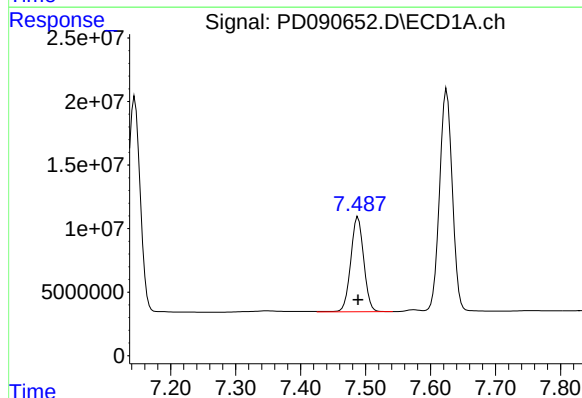
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 227808376
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



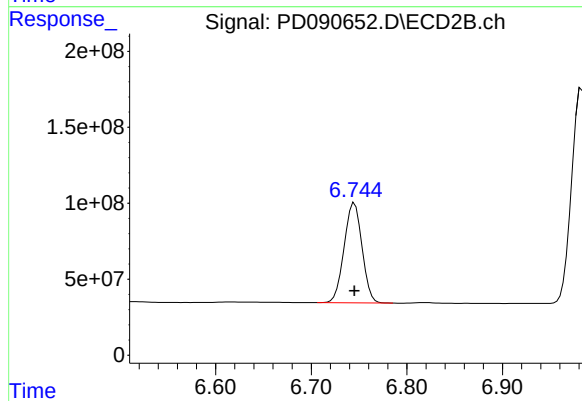
#19 Endosulfan Sulfate

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



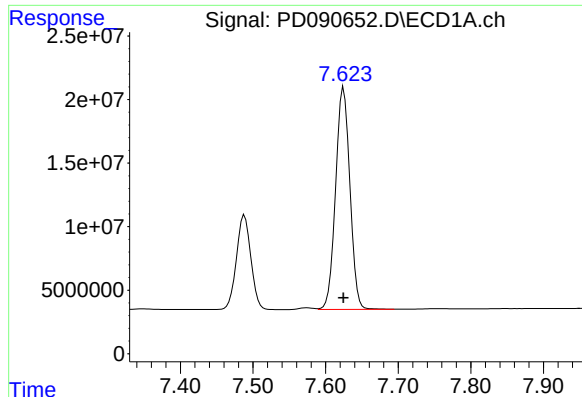
#20 Methoxychlor

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



#20 Methoxychlor

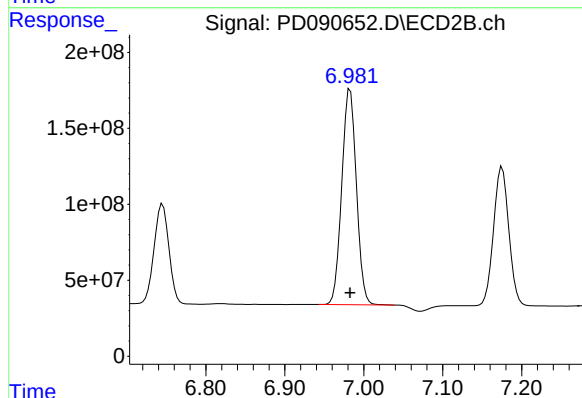
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 859946427
Conc: 50.00 ng/ml



#21 Endrin ketone

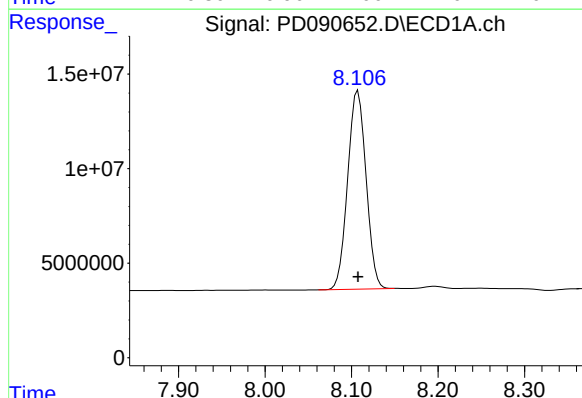
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 239116023
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



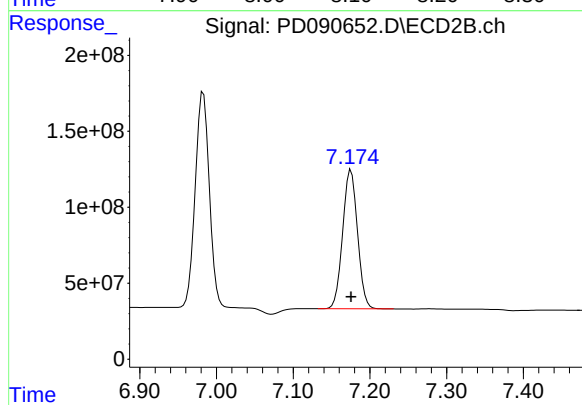
#21 Endrin ketone

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

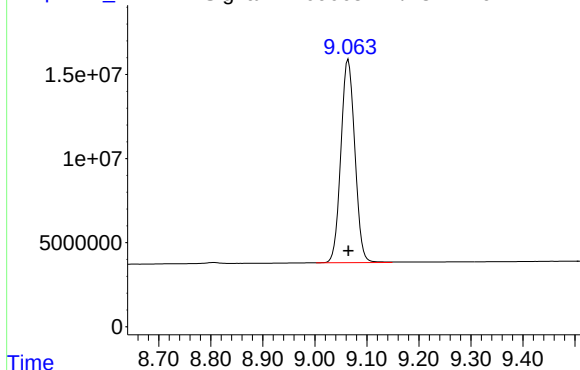
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1232028398
Conc: 50.00 ng/ml

Response_

Signal: PD090652.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 225311337
Conc: 50.00 ng/ml

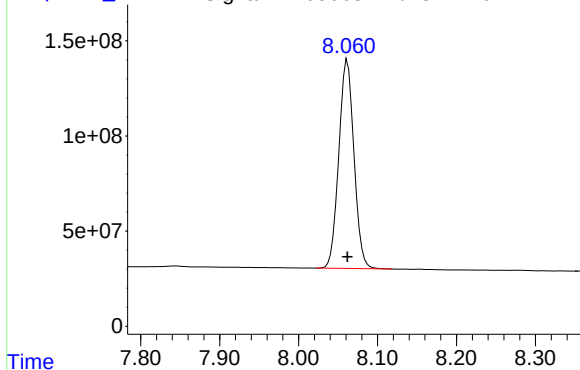
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#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

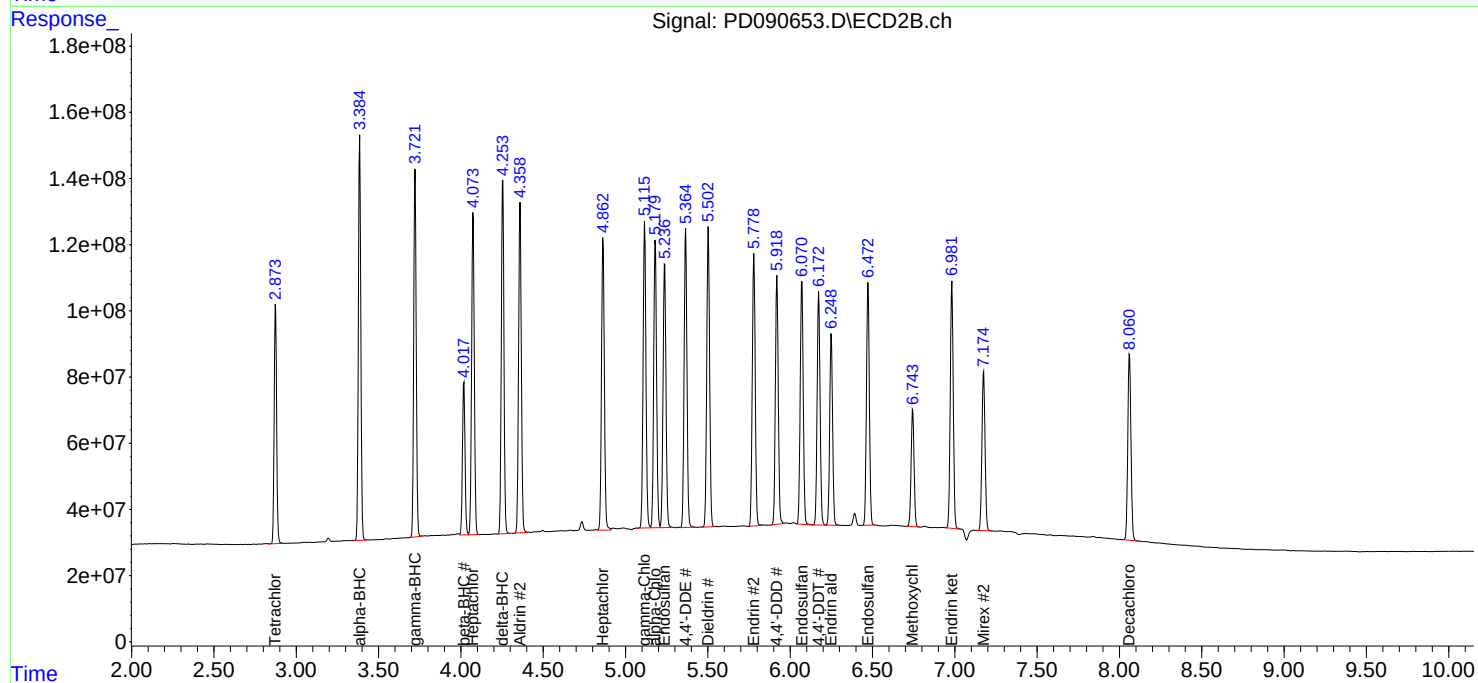
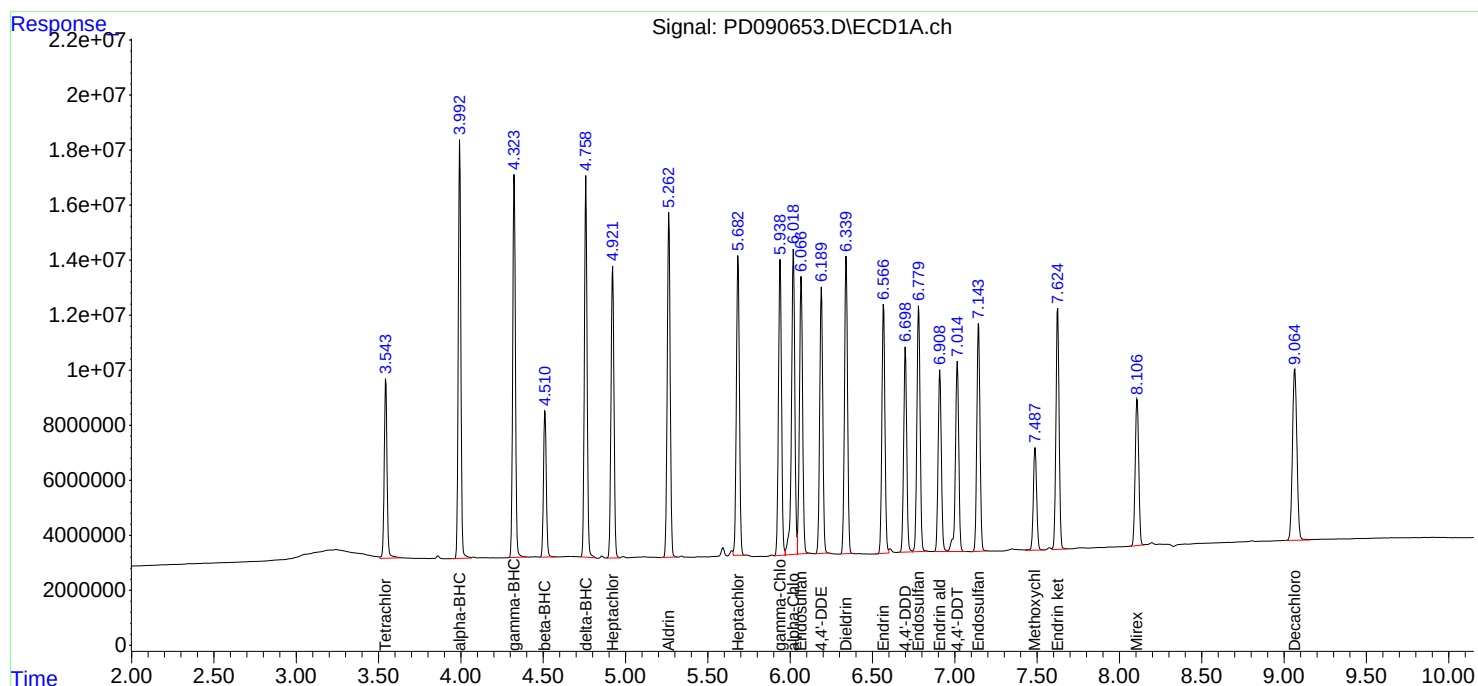
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

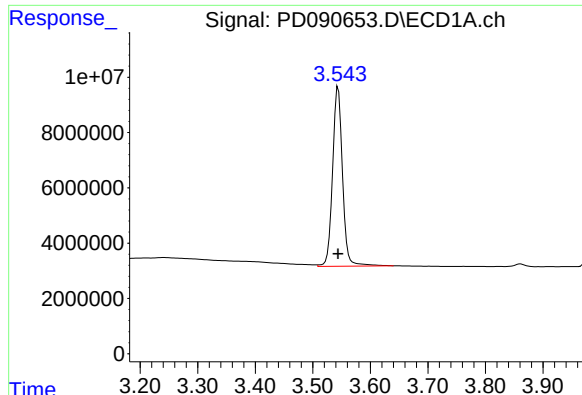
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

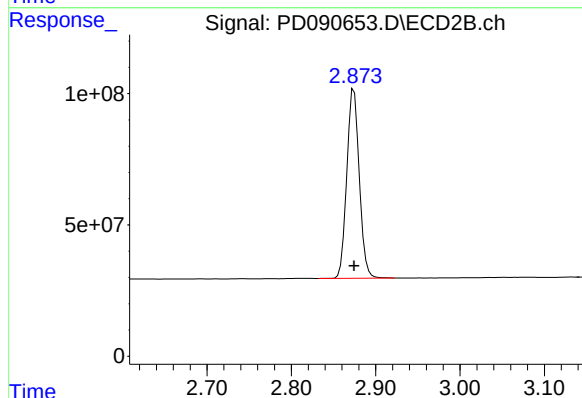




#1 Tetrachloro-m-xylene

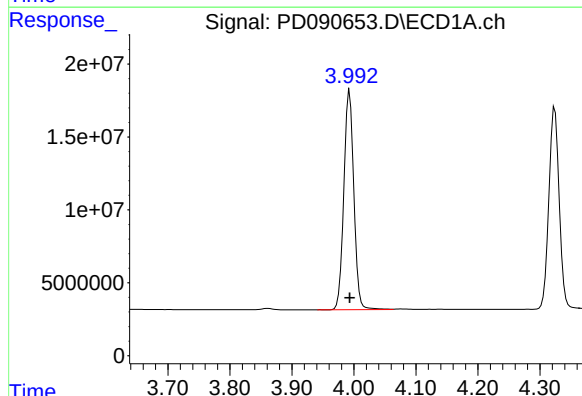
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 78107465
Conc: 25.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



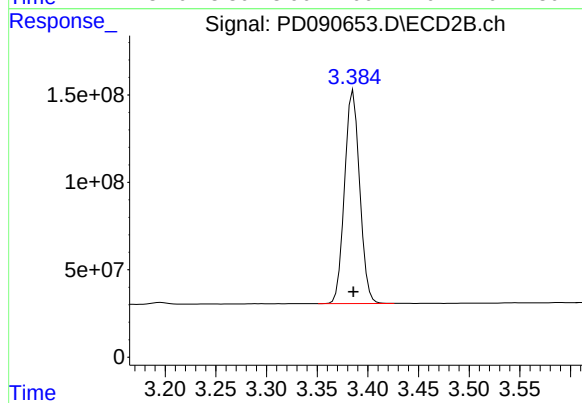
#1 Tetrachloro-m-xylene

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



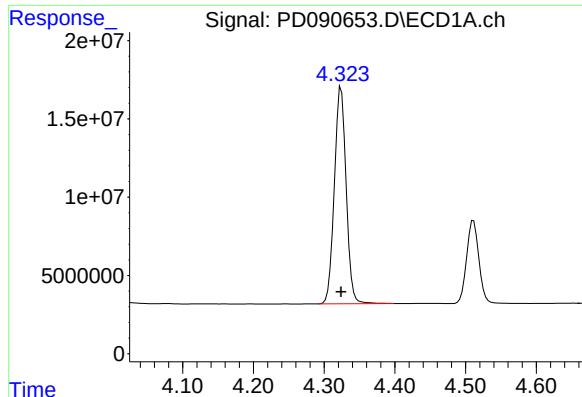
#2 alpha-BHC

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



#2 alpha-BHC

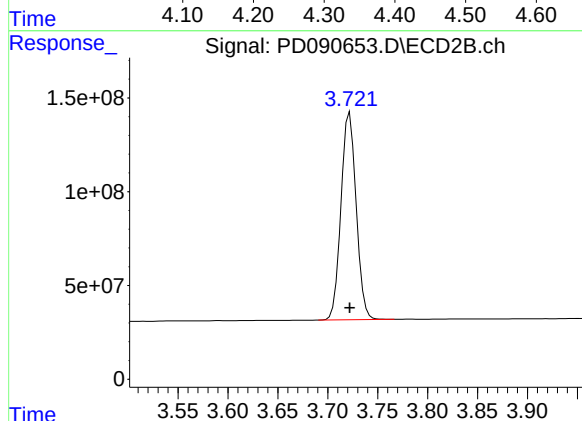
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 1262506307
Conc: 25.54 ng/ml



#3 gamma-BHC (Lindane)

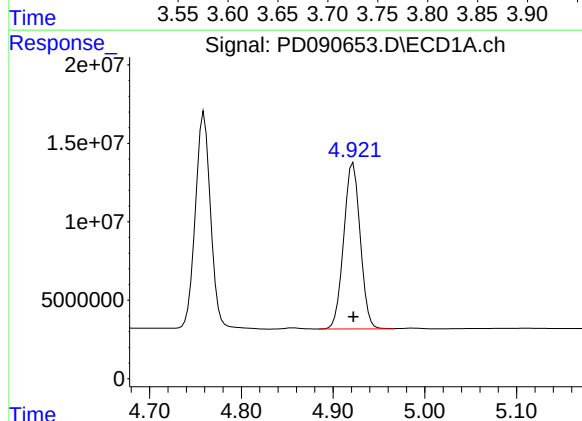
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 160449432
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



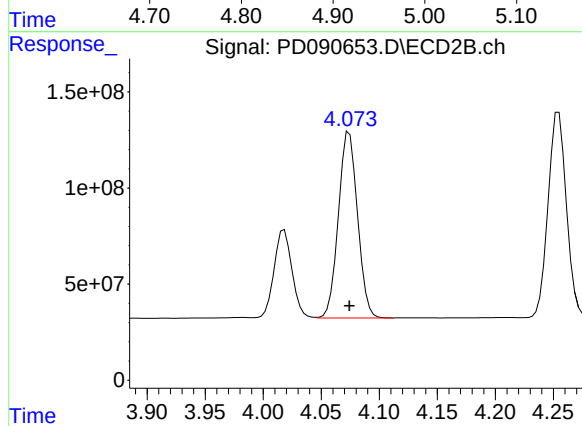
#3 gamma-BHC (Lindane)

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



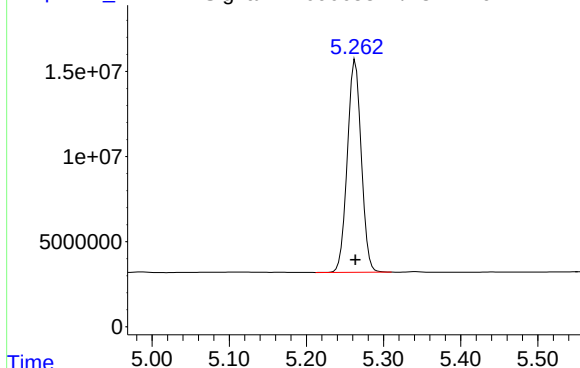
#4 Heptachlor

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

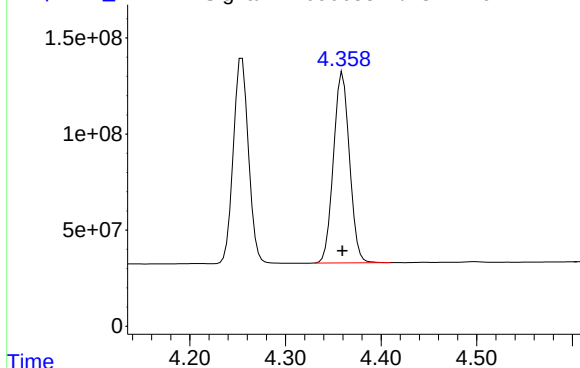
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#5 Aldrin



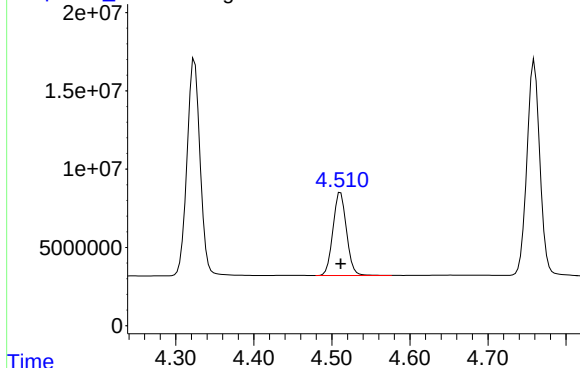
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1154309416
Conc: 25.96 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#6 beta-BHC



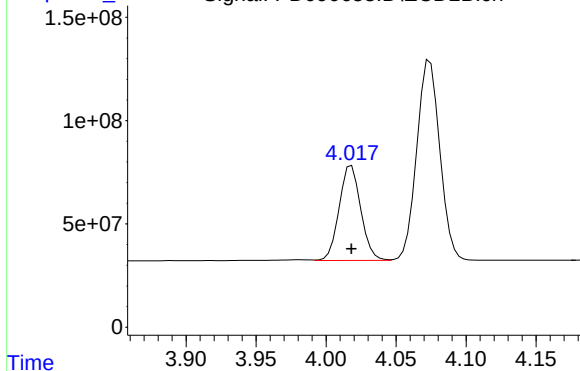
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 64015475
Conc: 25.34 ng/ml

Time

Response_

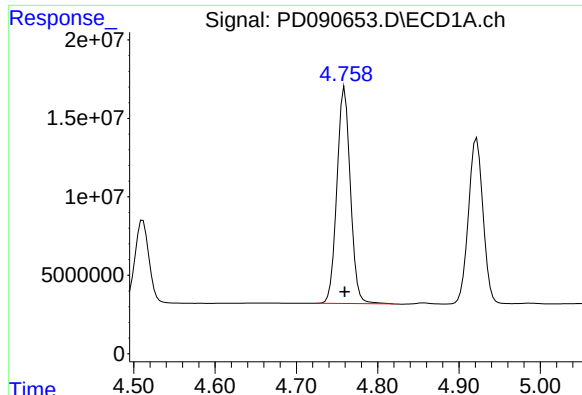
Signal: PD090653.D\ECD2B.ch

#6 beta-BHC



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

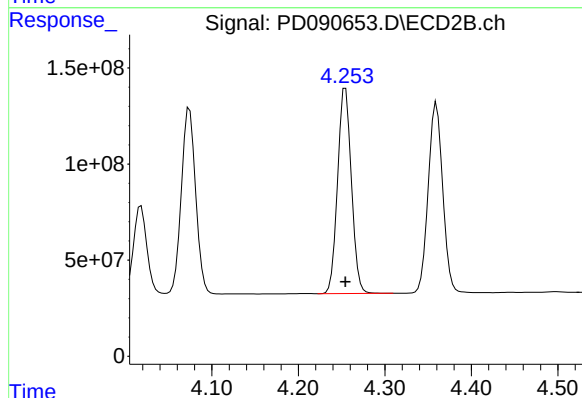
Time



#7 delta-BHC

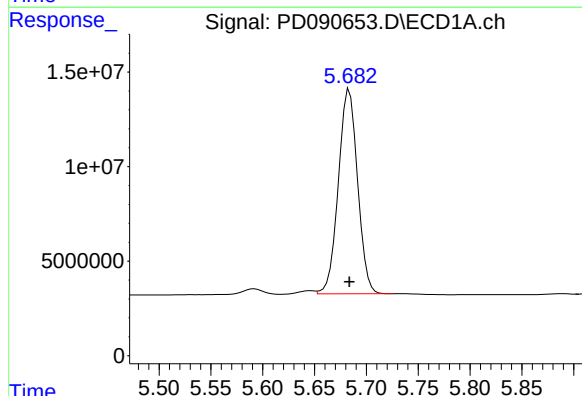
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 158561347
Conc: 23.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



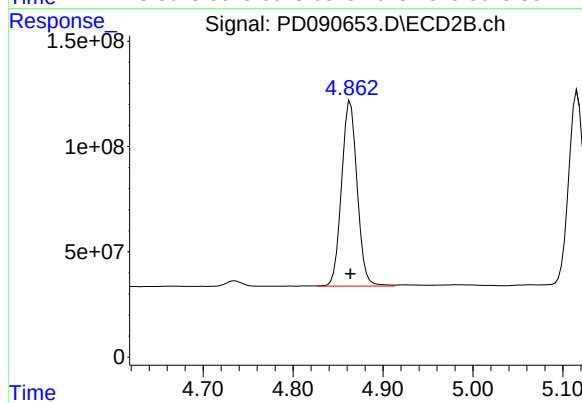
#7 delta-BHC

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



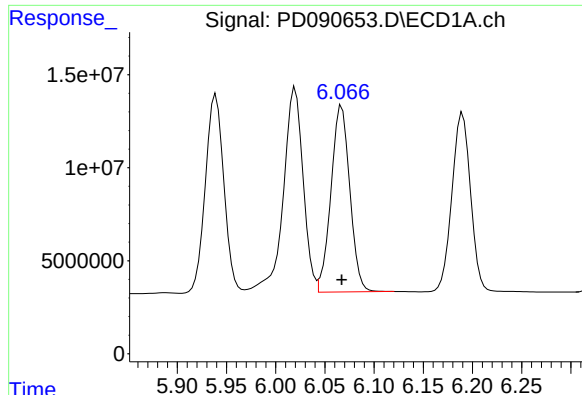
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

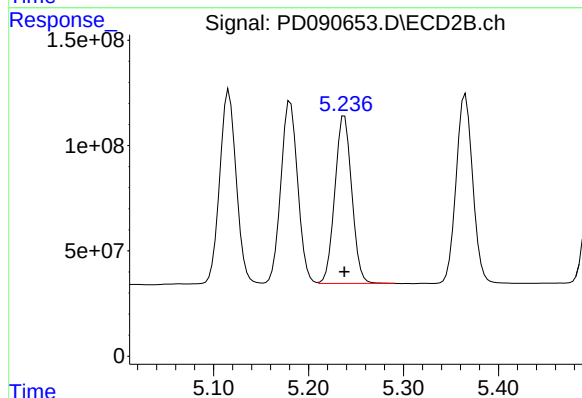
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 1059359842
Conc: 26.46 ng/ml



#9 Endosulfan I

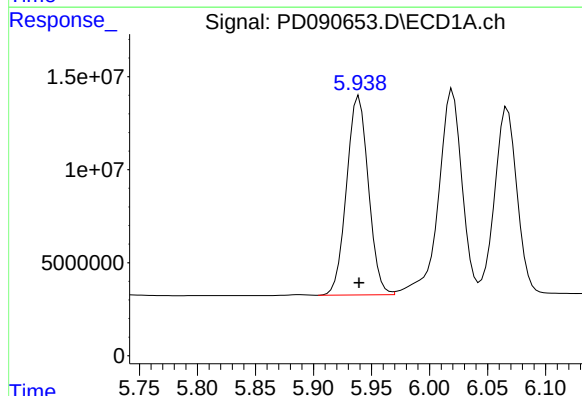
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 133716398
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



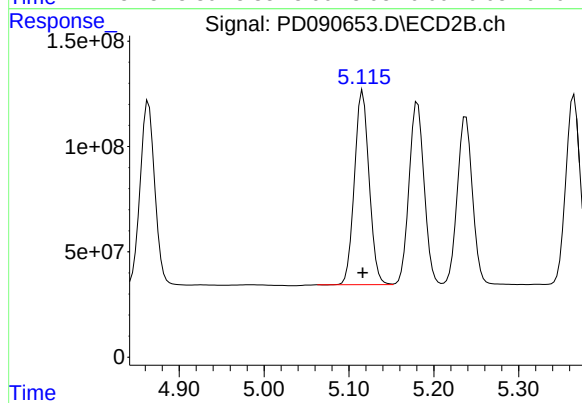
#9 Endosulfan I

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



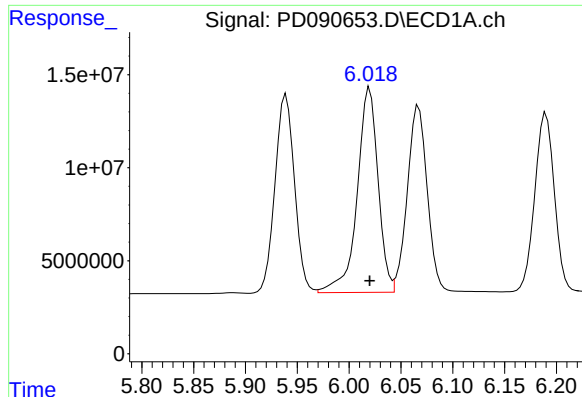
#10 gamma-Chlordane

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



#10 gamma-Chlordane

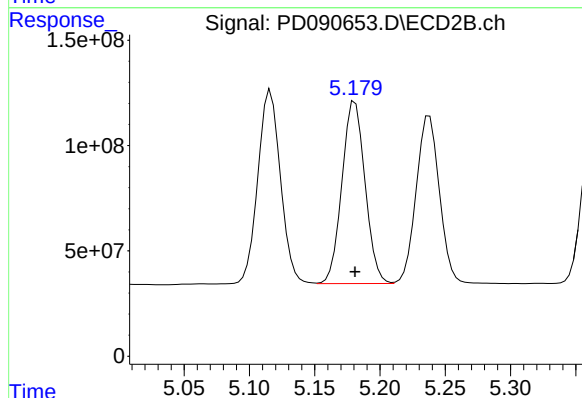
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1108664102
Conc: 25.72 ng/ml



#11 alpha-Chlordane

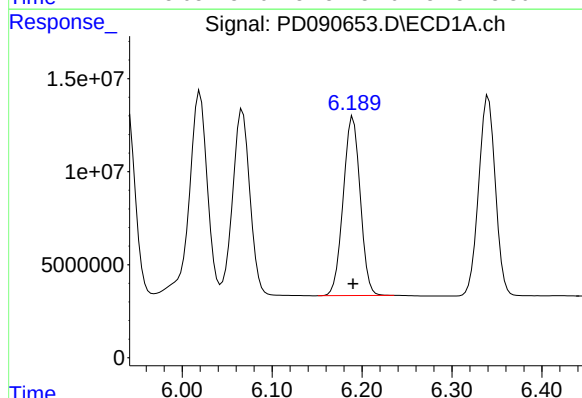
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 154261488
Conc: 25.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



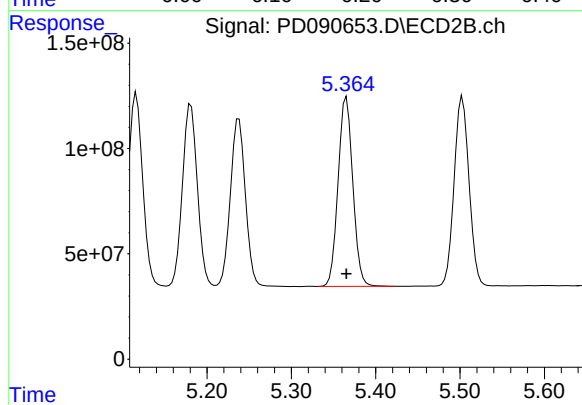
#11 alpha-Chlordane

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



#12 4,4'-DDE

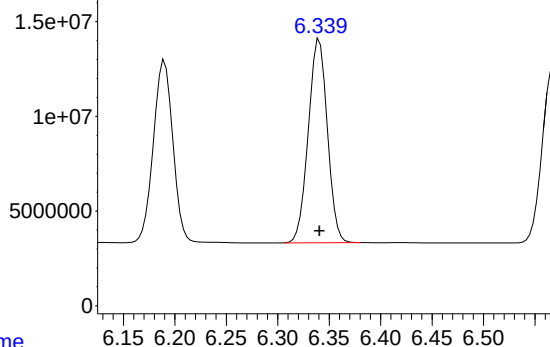
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 126326499
Conc: 23.86 ng/ml



#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

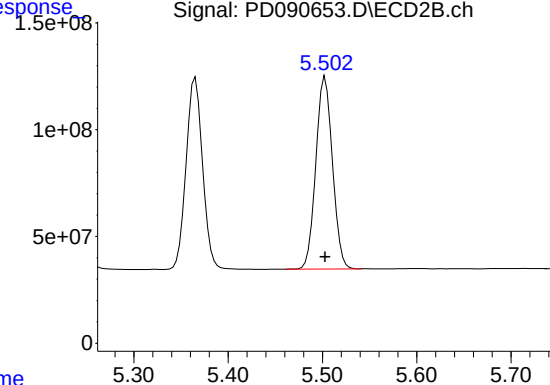


#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

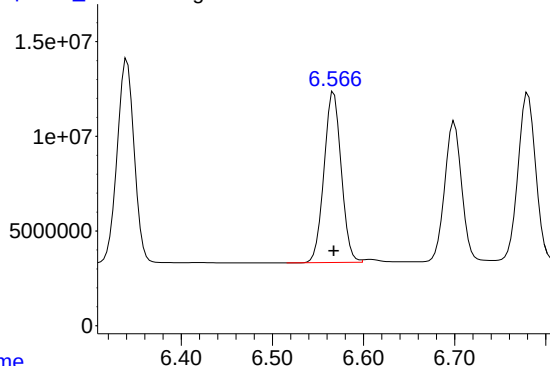
Time Response_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

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

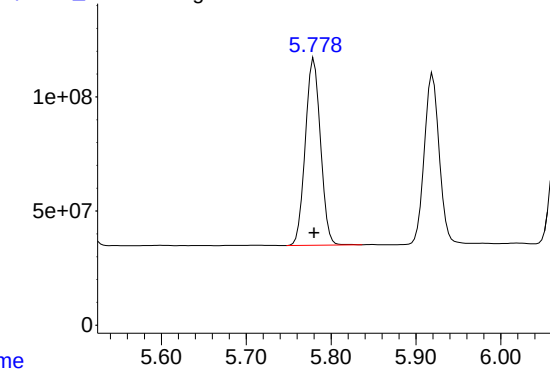
Time Response_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

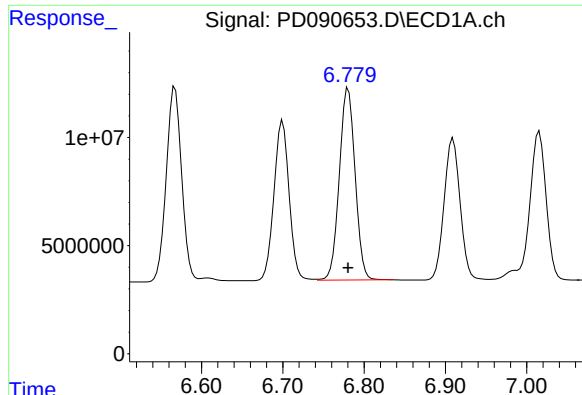
R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 117779573
Conc: 23.98 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#14 Endrin

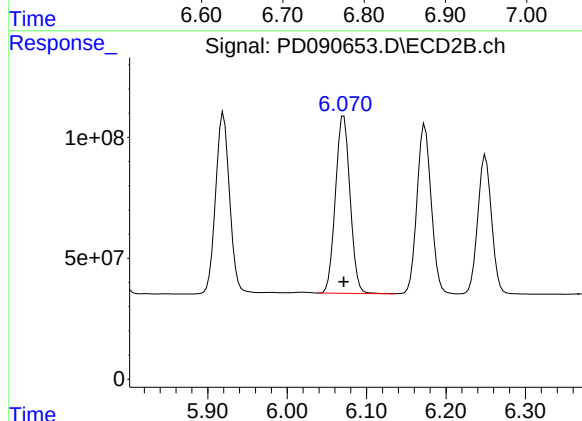
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1017324913
Conc: 26.28 ng/ml



#15 Endosulfan II

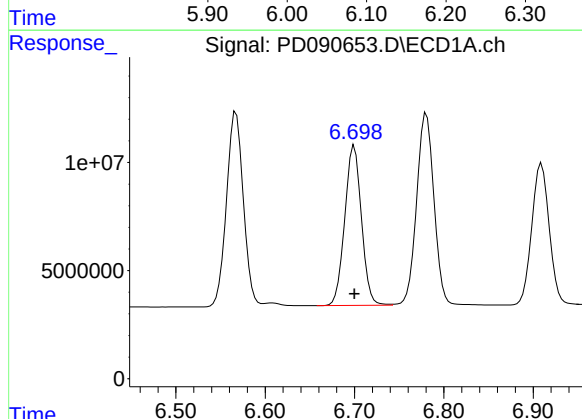
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 119743666
Conc: 24.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



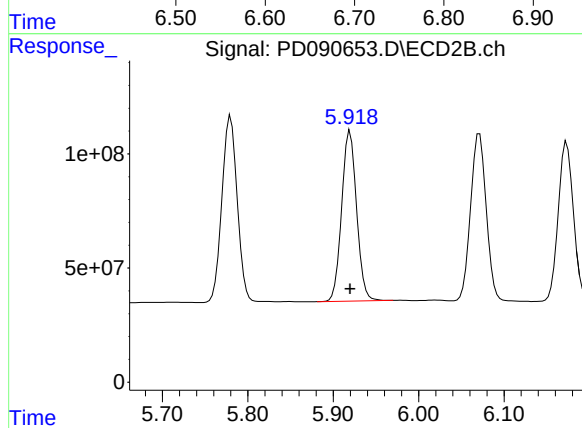
#15 Endosulfan II

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



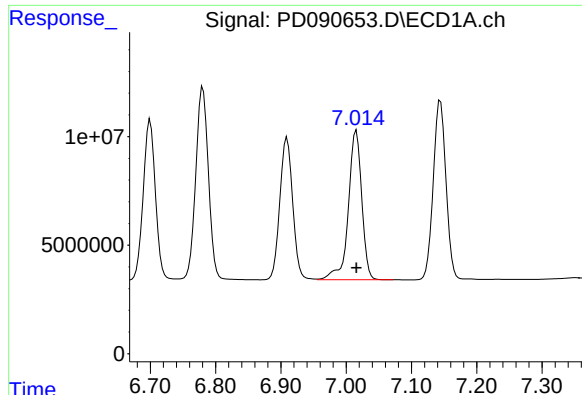
#16 4,4'-DDD

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



#16 4,4'-DDD

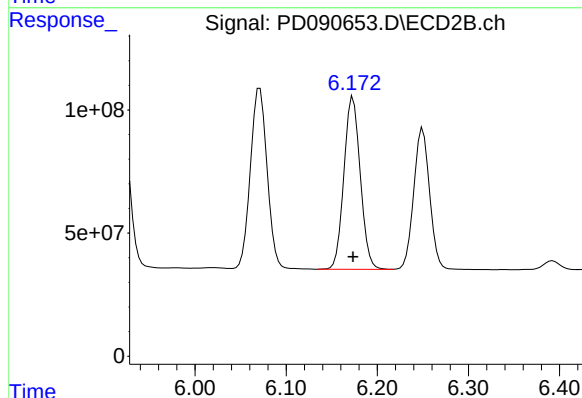
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 905938376
Conc: 25.92 ng/ml



#17 4,4'-DDT

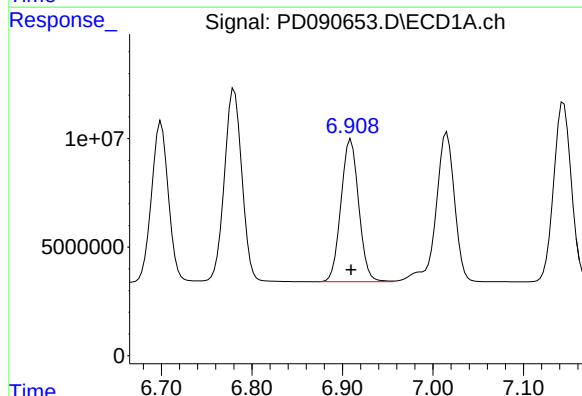
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 98197092
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



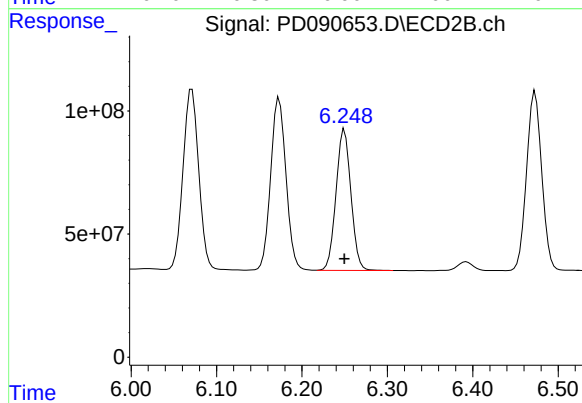
#17 4,4'-DDT

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



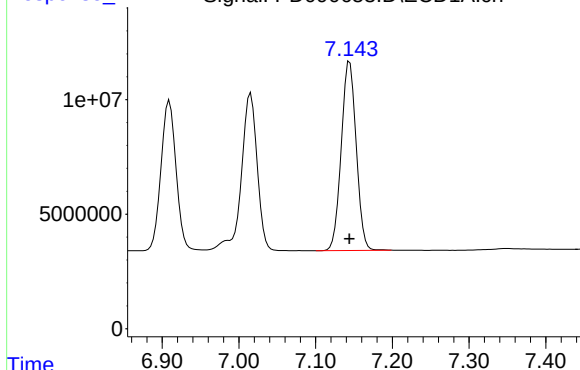
#18 Endrin aldehyde

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

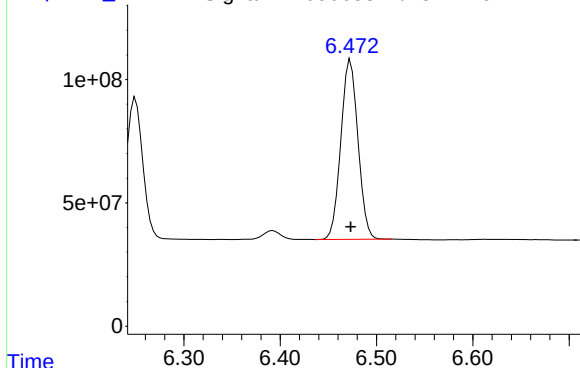
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



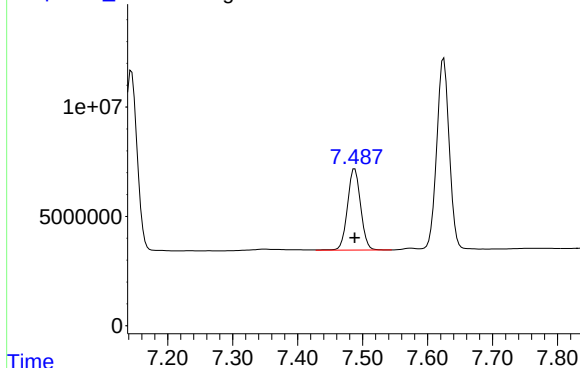
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 896525775
Conc: 26.11 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



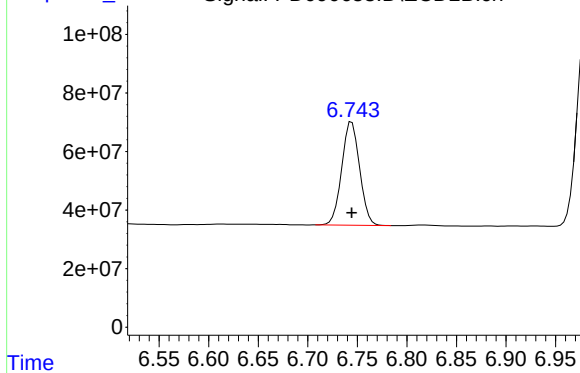
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 52364279
Conc: 25.42 ng/ml

Time

Response_

Signal: PD090653.D\ECD2B.ch

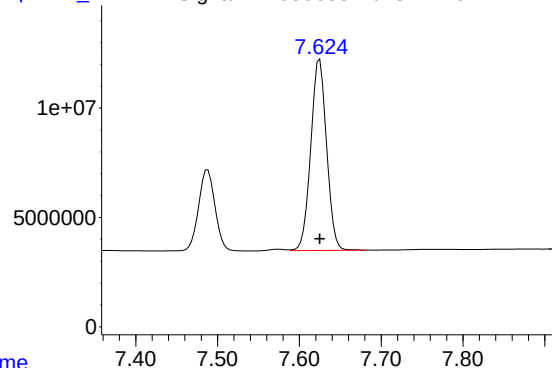
#20 Methoxychlor



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

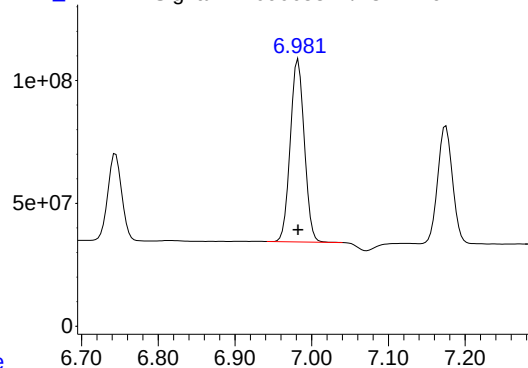


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

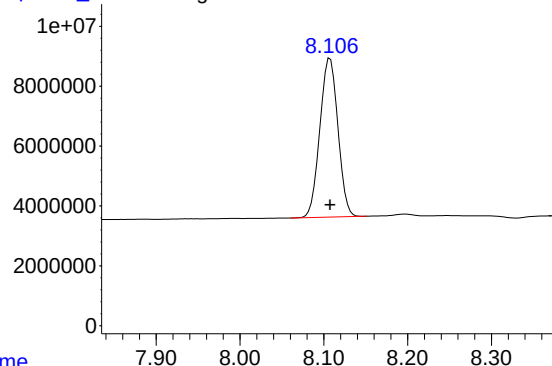
Time Response_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

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

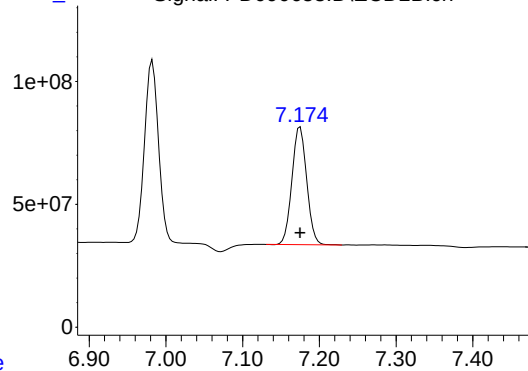
Time Response_ Signal: PD090653.D\ECD1A.ch



#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

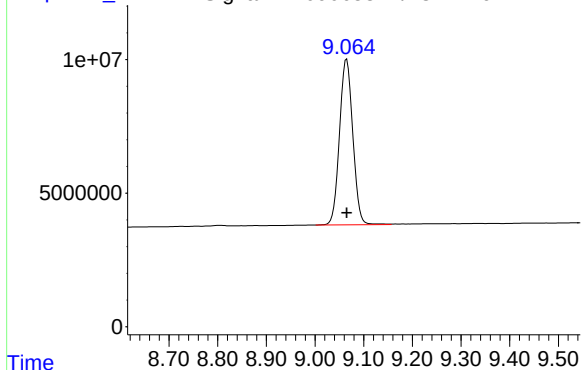
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 640790883
Conc: 26.34 ng/ml

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

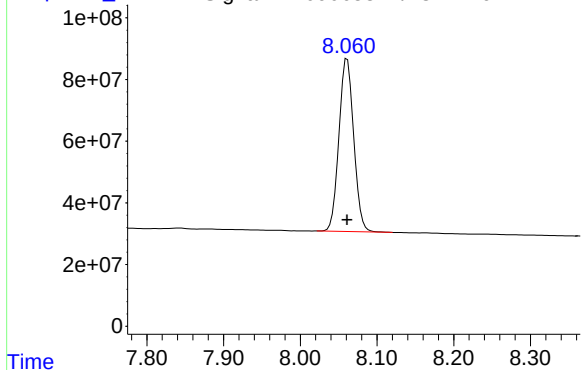
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

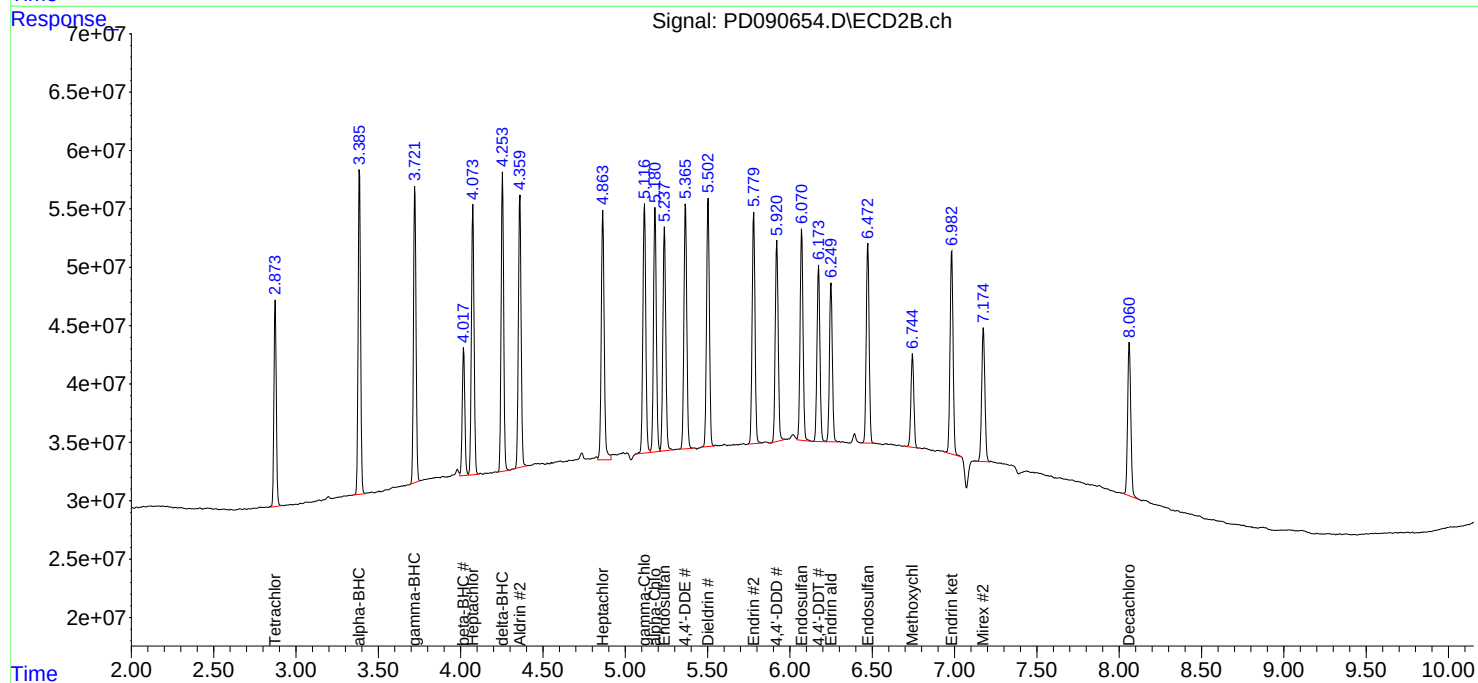
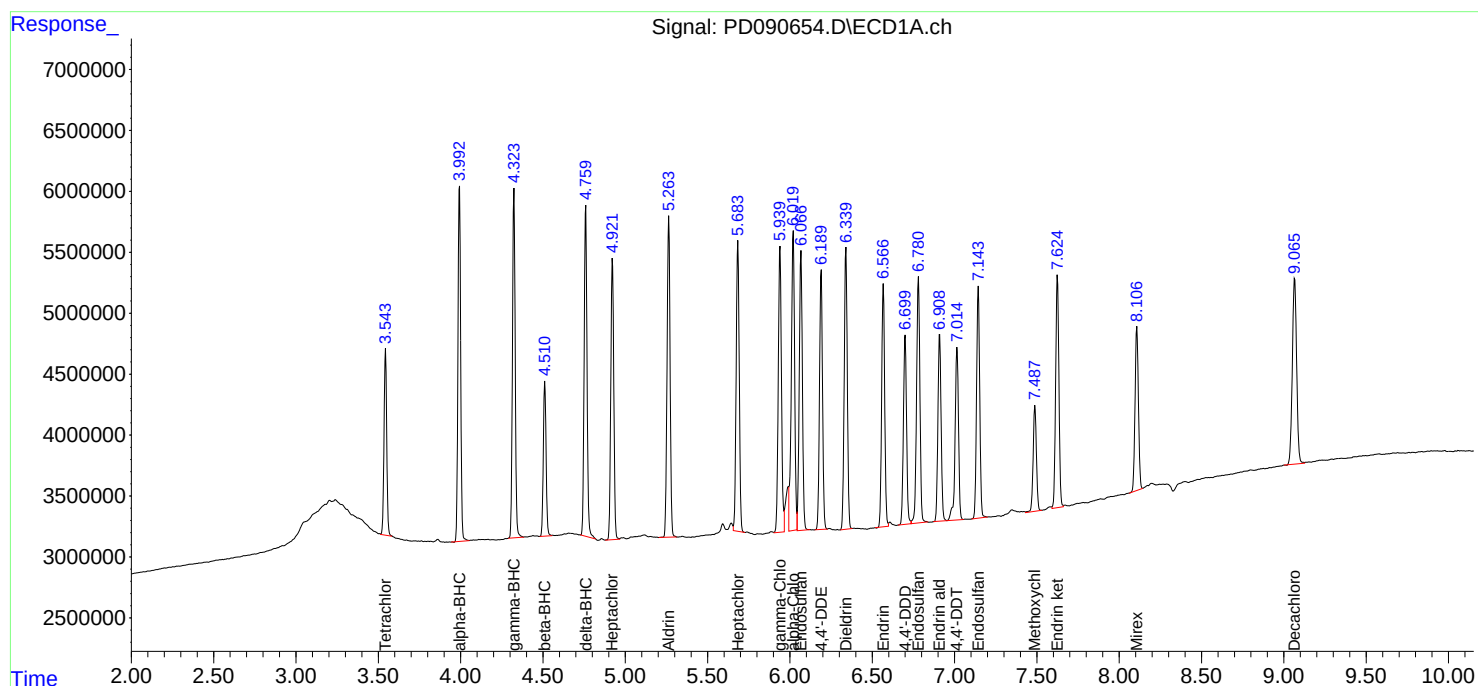
APPROVED

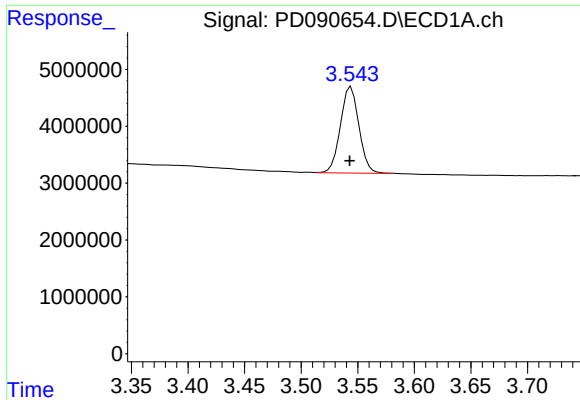
Reviewed By :Abdul Mirza 10/19/2025

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





#1 Tetrachloro-m-xylene

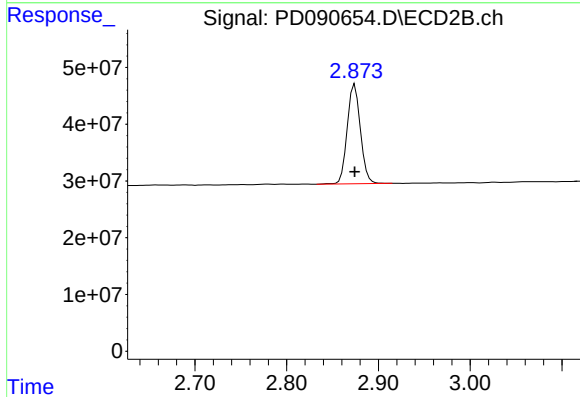
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 17271955
Conc: 5.55 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

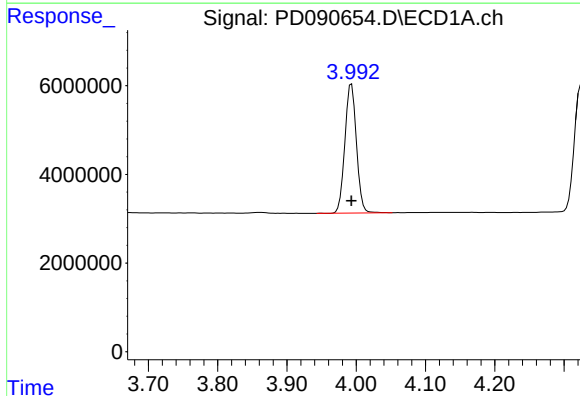
Manual Integrations
APPROVED

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



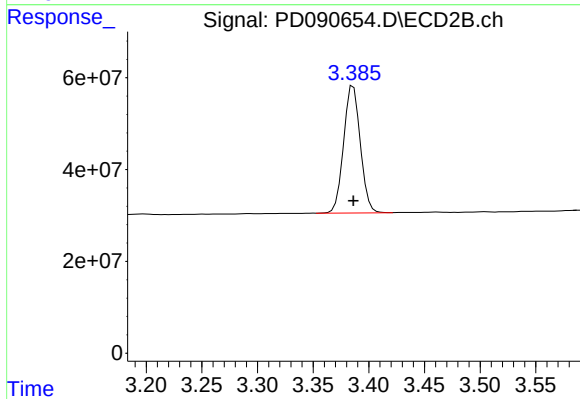
#1 Tetrachloro-m-xylene

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



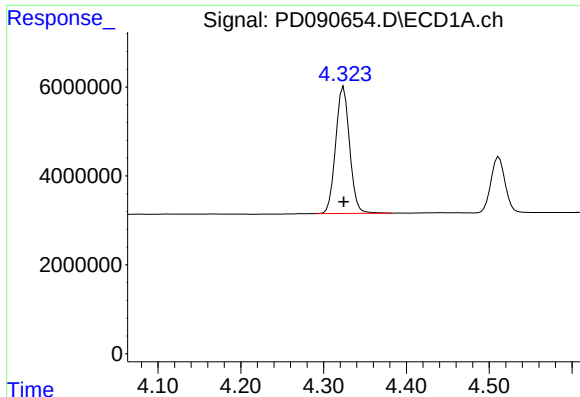
#2 alpha-BHC

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



#2 alpha-BHC

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



#3 gamma-BHC (Lindane)

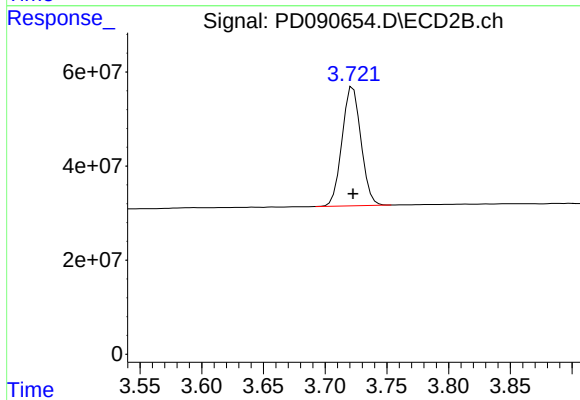
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 33423739
Conc: 4.92 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

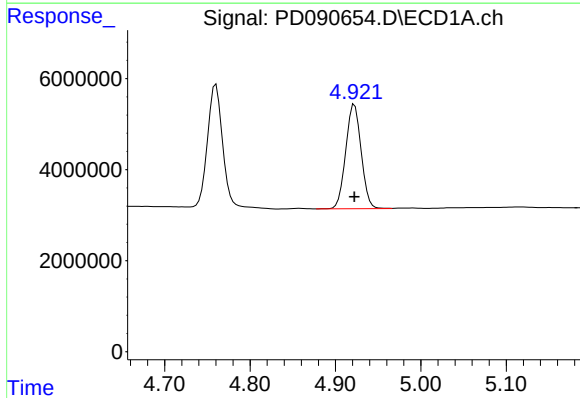
Manual Integrations
APPROVED

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



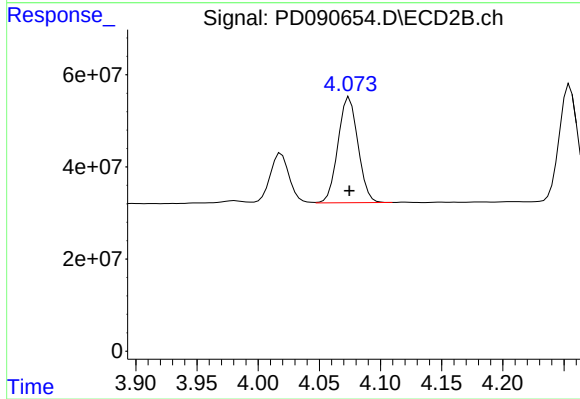
#3 gamma-BHC (Lindane)

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



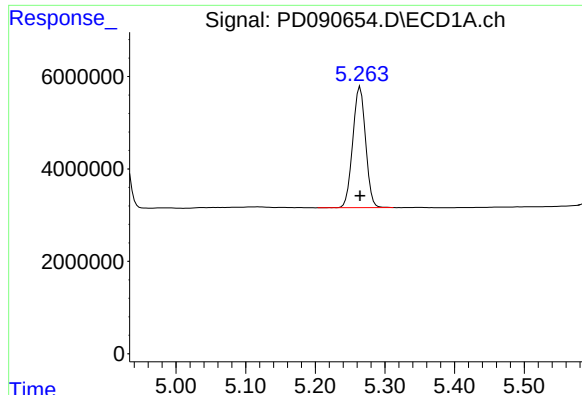
#4 Heptachlor

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



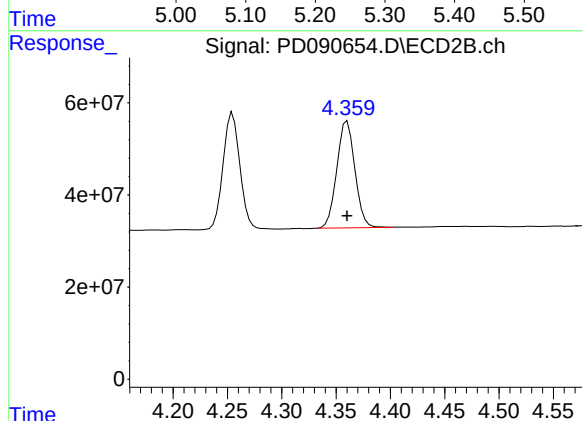
#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

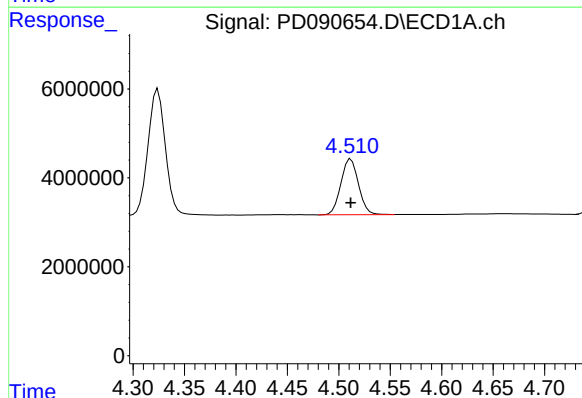
Manual Integrations
APPROVED

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



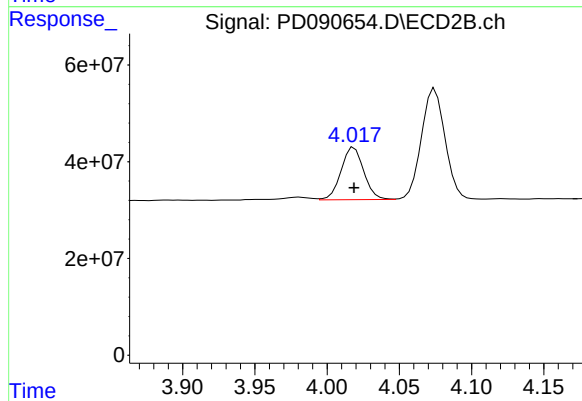
#5 Aldrin

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



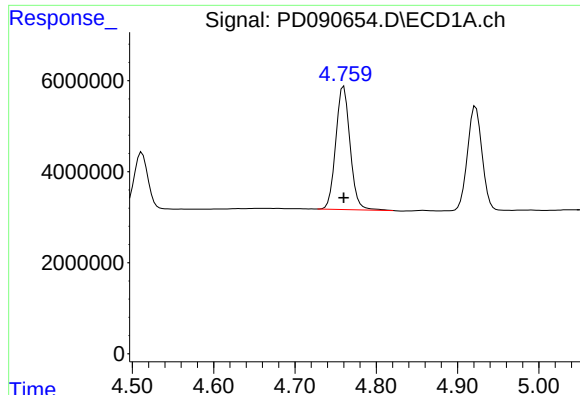
#6 beta-BHC

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



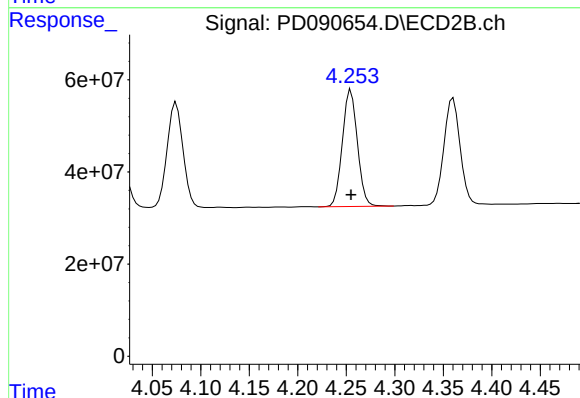
#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

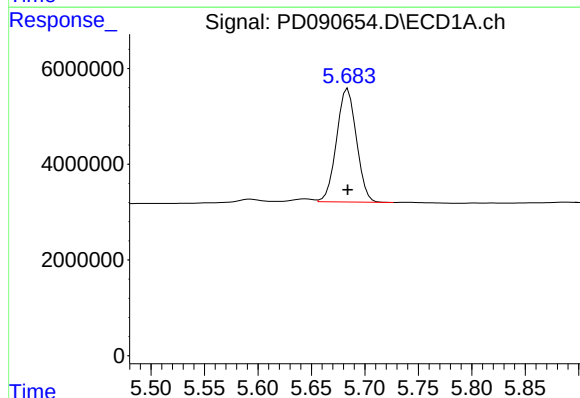
Manual Integrations
APPROVED

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



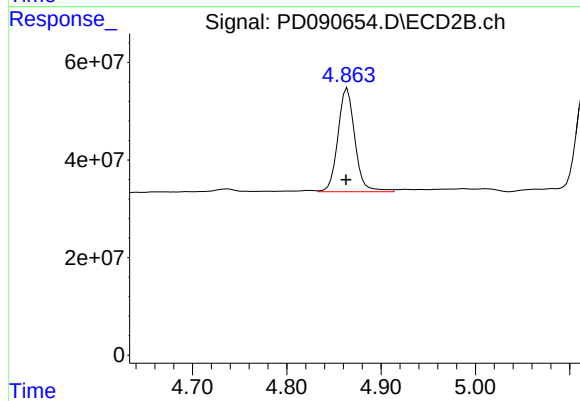
#7 delta-BHC

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



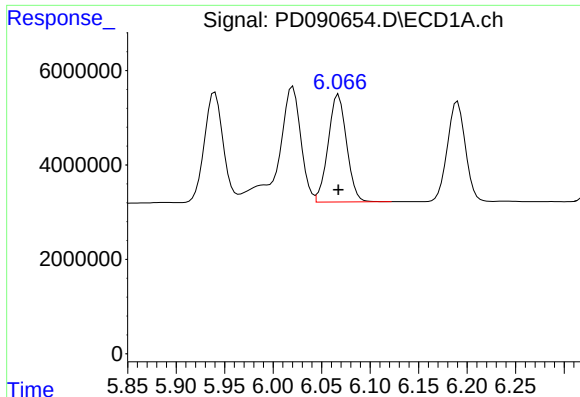
#8 Heptachlor epoxide

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



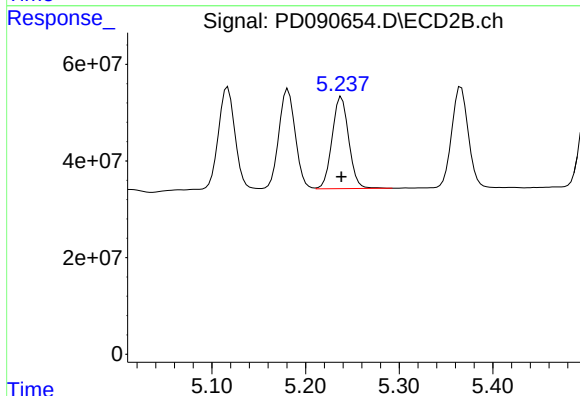
#9 Endosulfan I

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

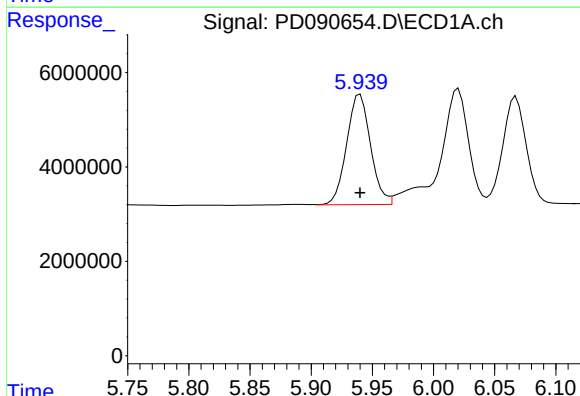
Manual Integrations
APPROVED

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



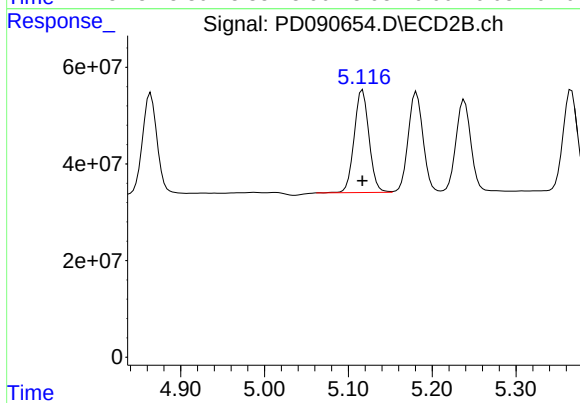
#9 Endosulfan I

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



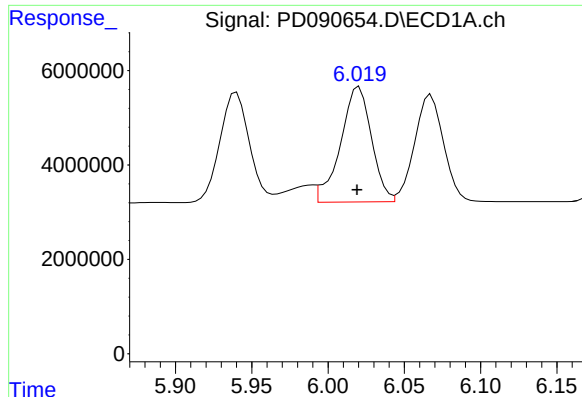
#10 gamma-Chlordane

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



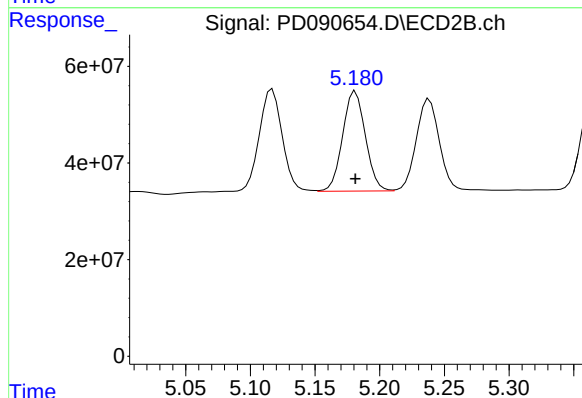
#11 alpha-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

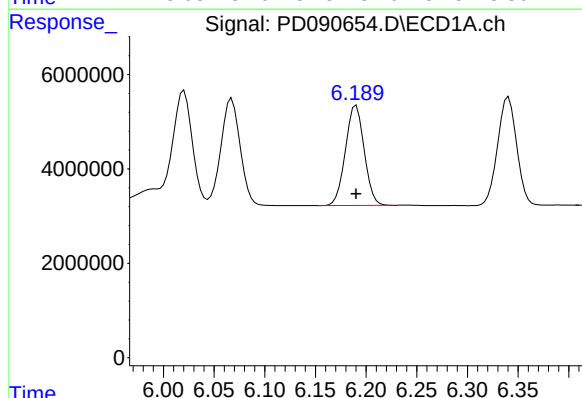
Manual Integrations
APPROVED

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



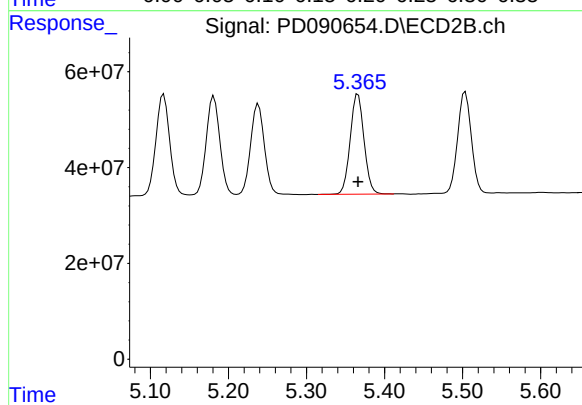
#11 alpha-Chlordane

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



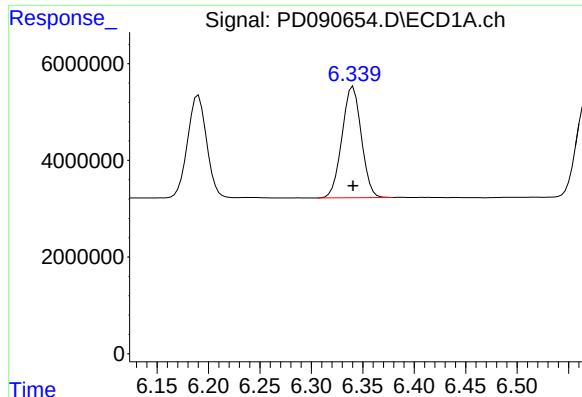
#12 4,4'-DDE

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



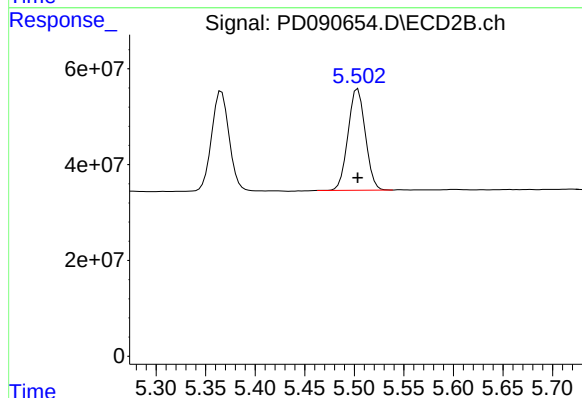
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

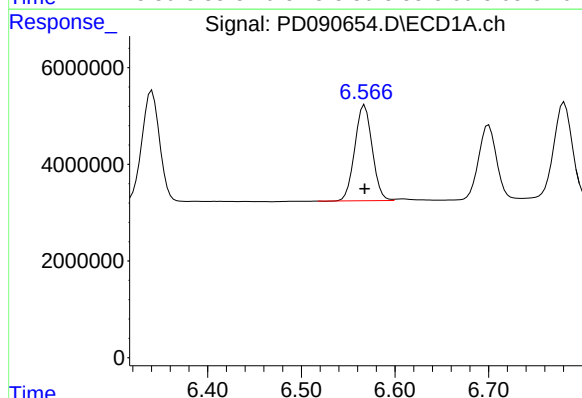
Manual Integrations
APPROVED

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



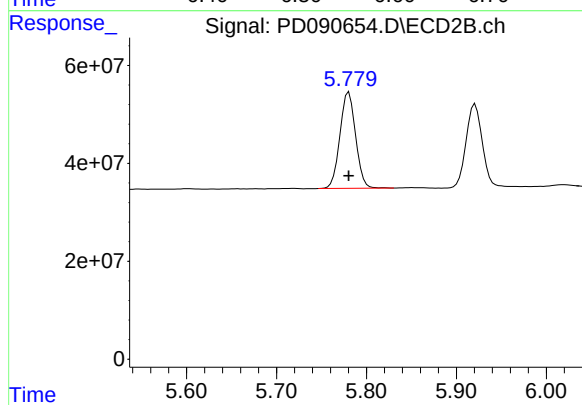
#13 Dieldrin

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



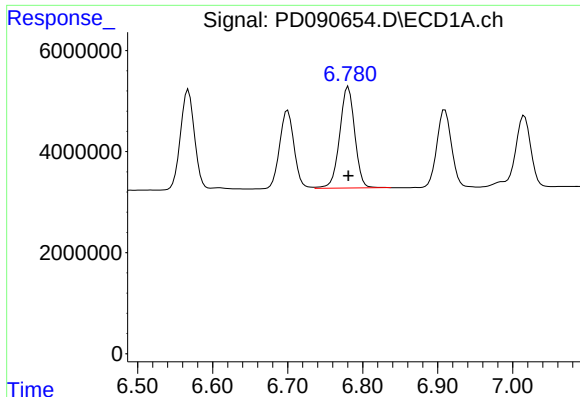
#14 Endrin

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

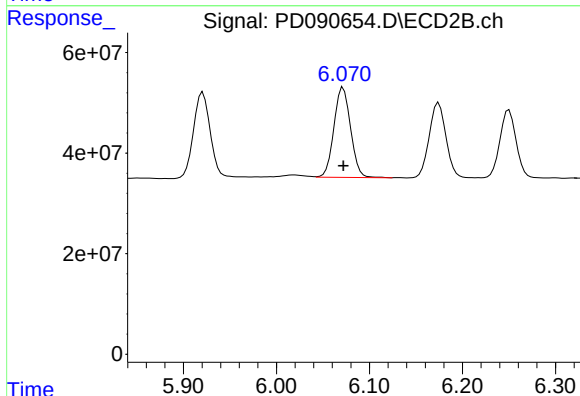
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 28078989
Conc: 5.62 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

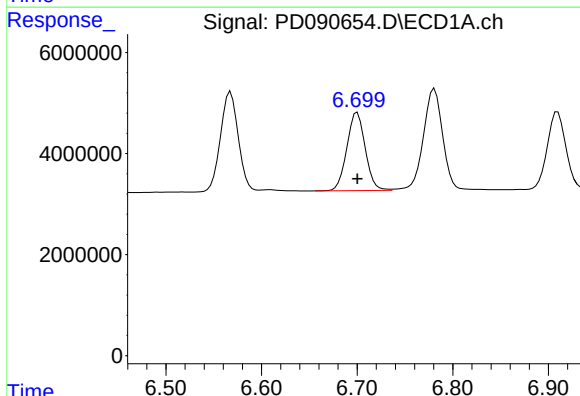
Manual Integrations
APPROVED

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



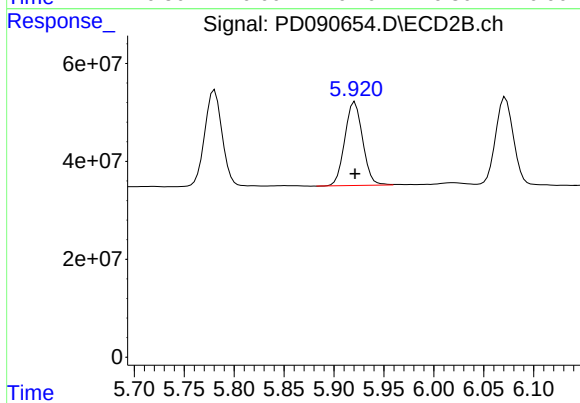
#15 Endosulfan II

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



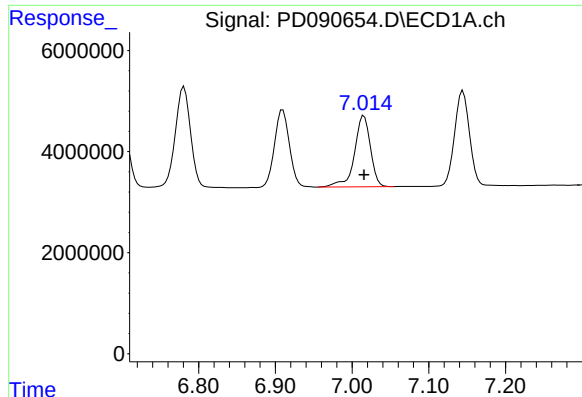
#16 4,4'-DDD

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



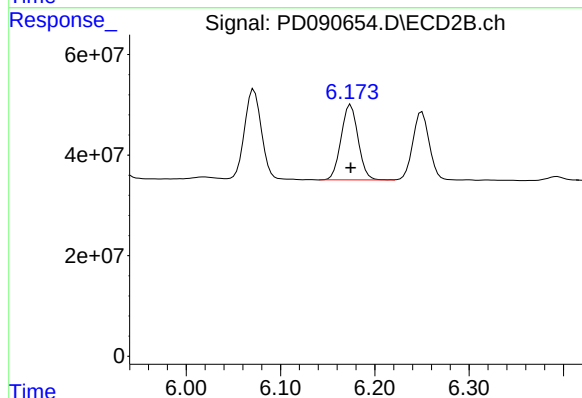
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

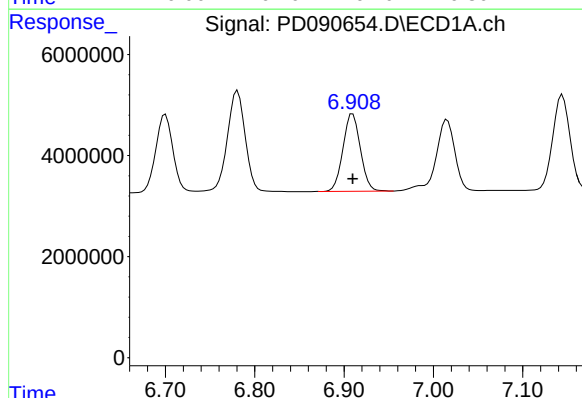
Manual Integrations
APPROVED

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



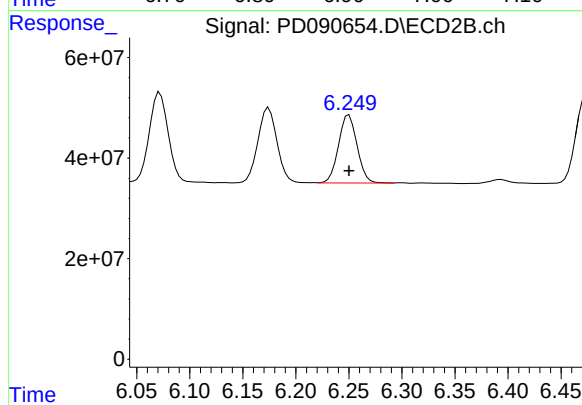
#17 4,4'-DDT

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



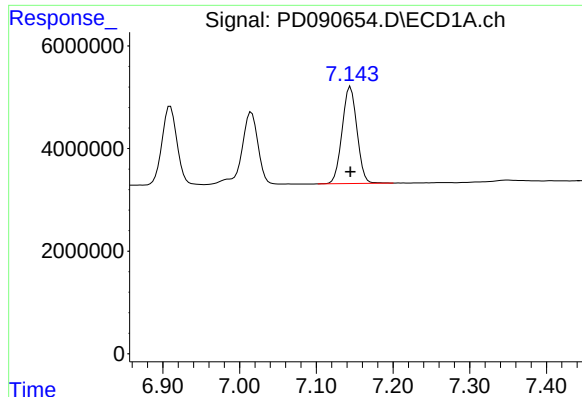
#18 Endrin aldehyde

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



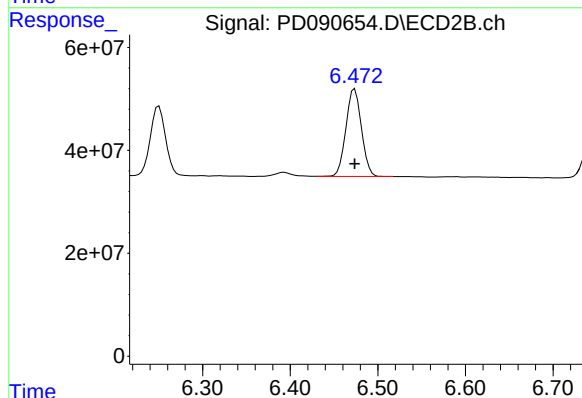
#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

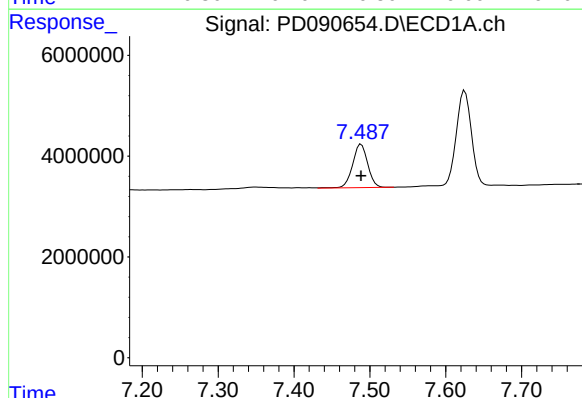
Manual Integrations
APPROVED

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



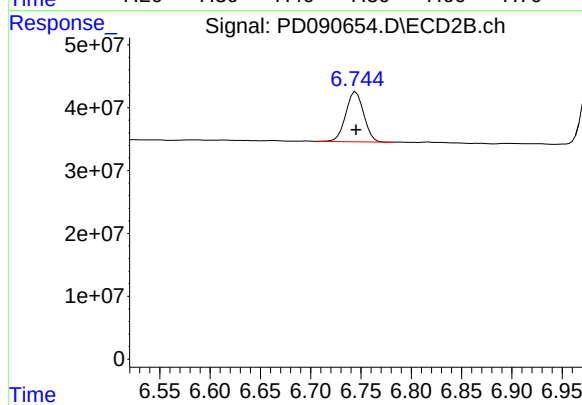
#19 Endosulfan Sulfate

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



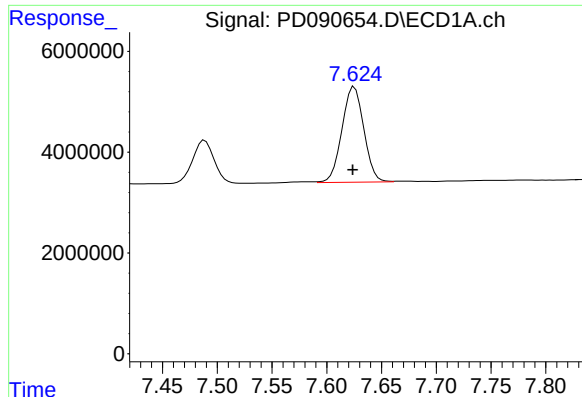
#20 Methoxychlor

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



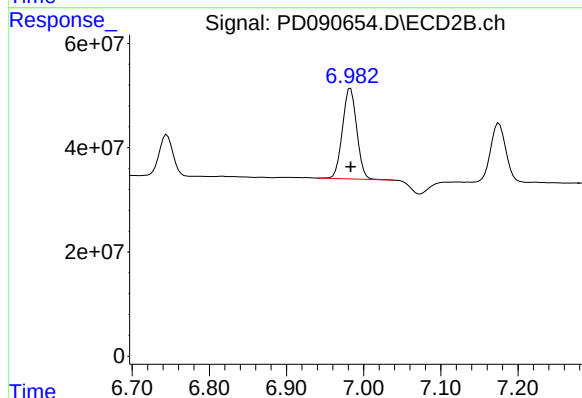
#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

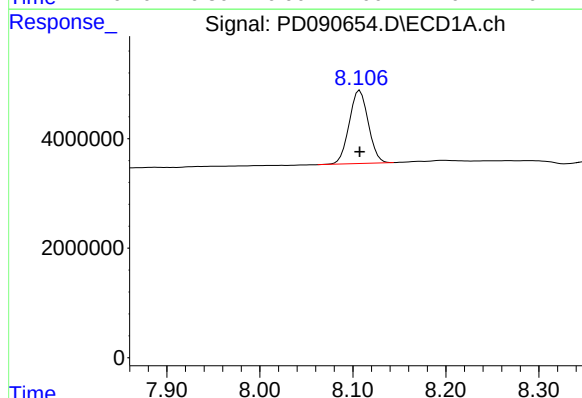
Manual Integrations
APPROVED

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



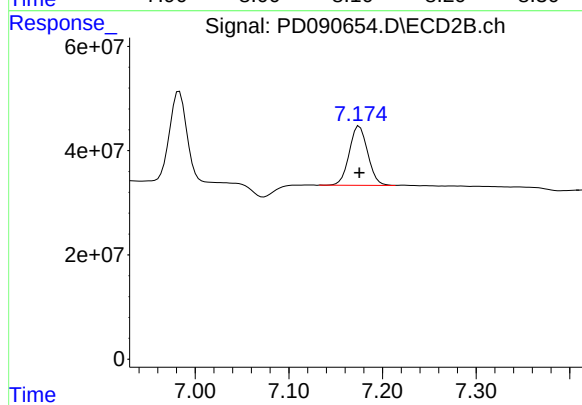
#21 Endrin ketone

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



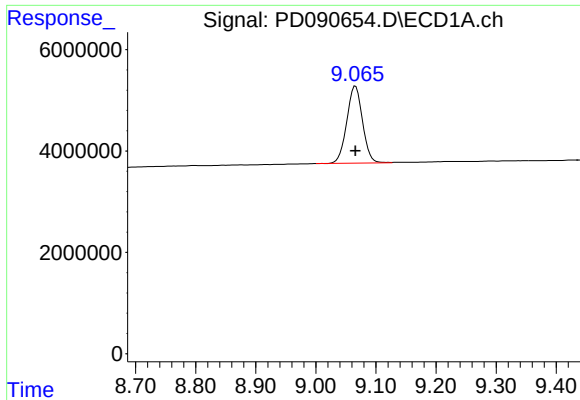
#22 Mirex

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

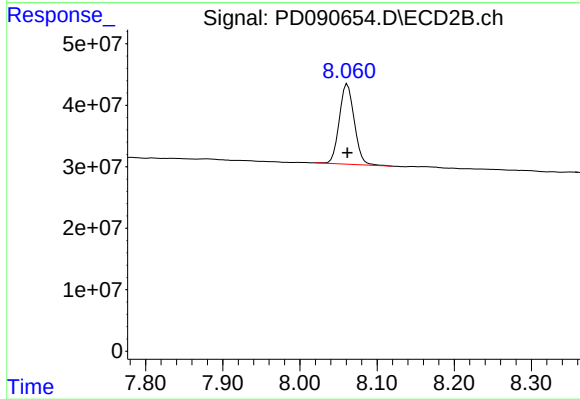
ICAL Form

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

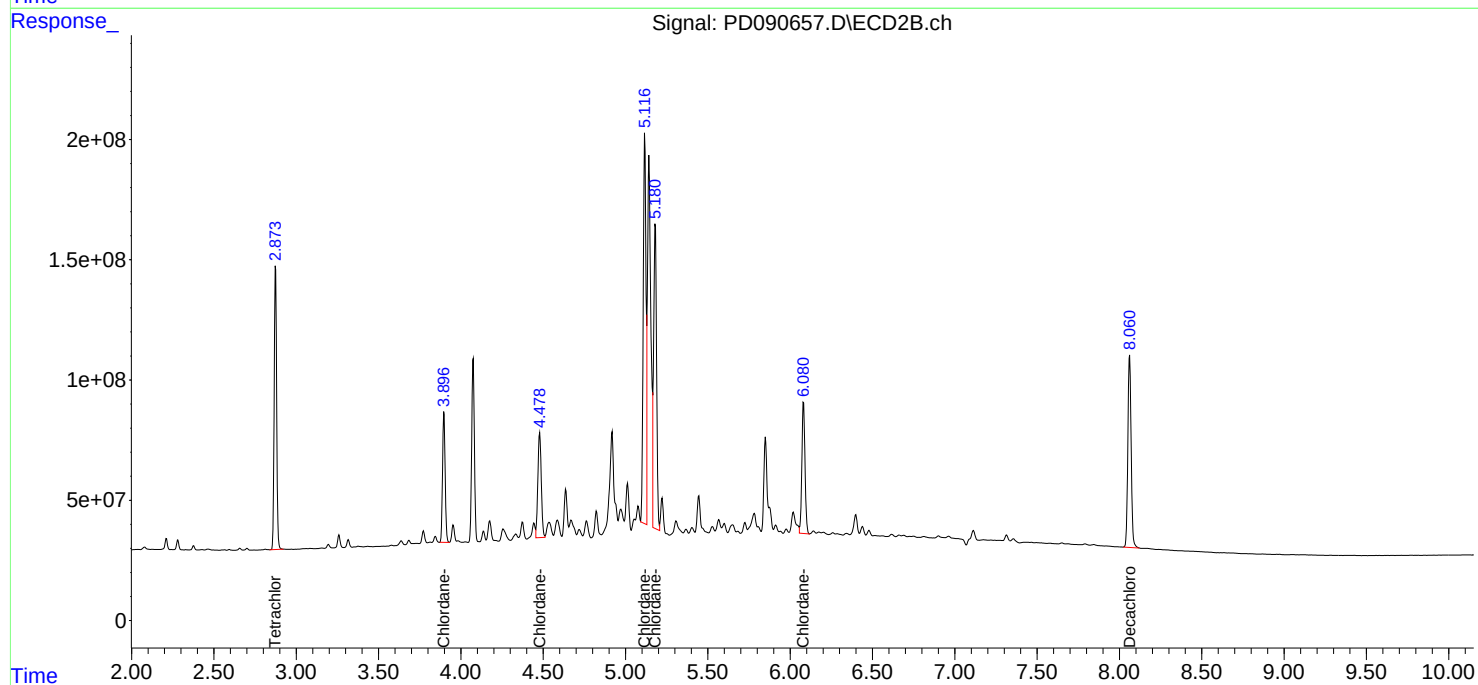
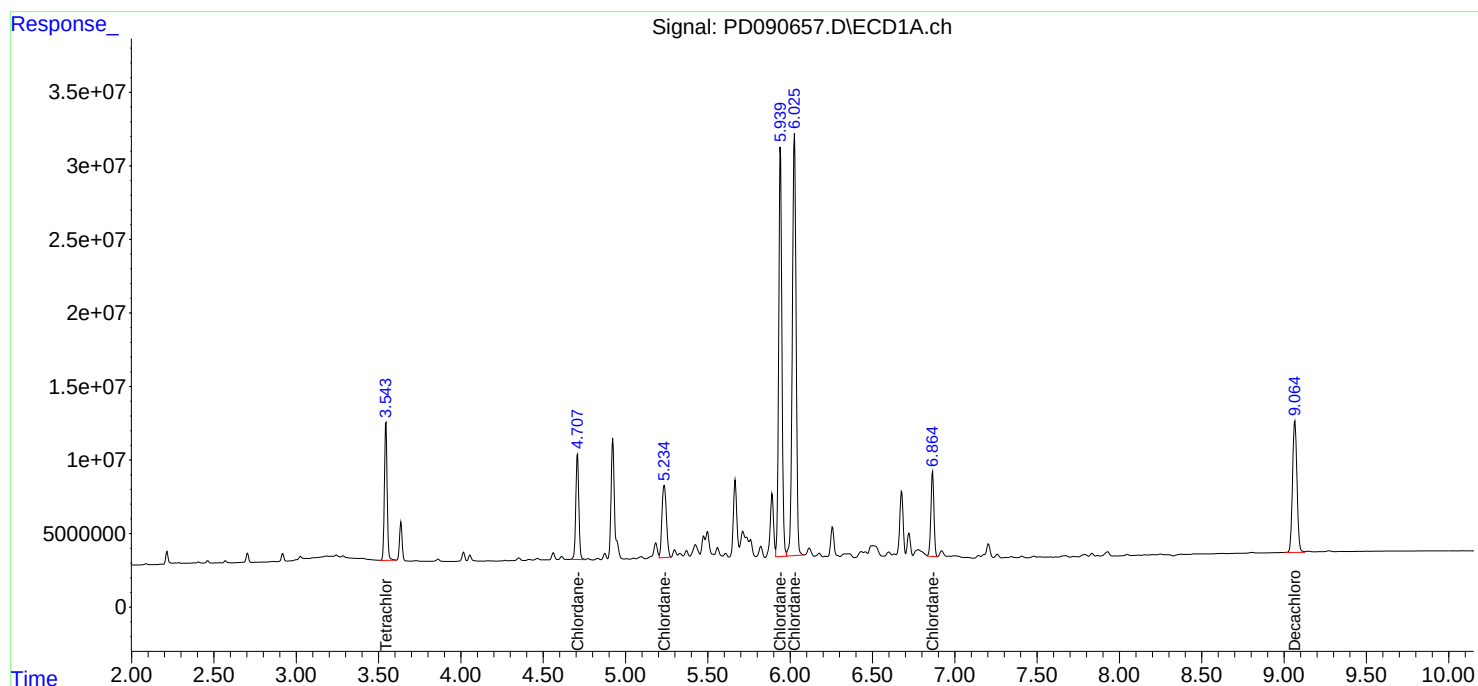
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

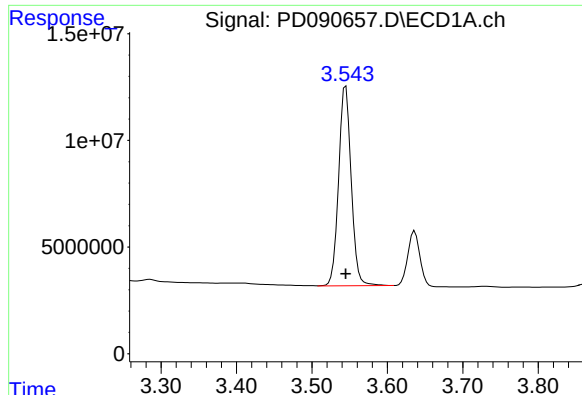
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

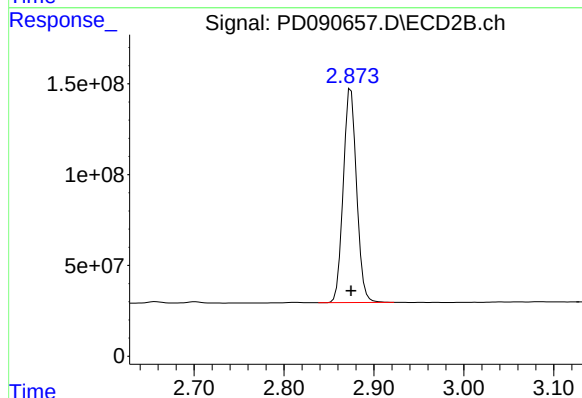




#1 Tetrachloro-m-xylene

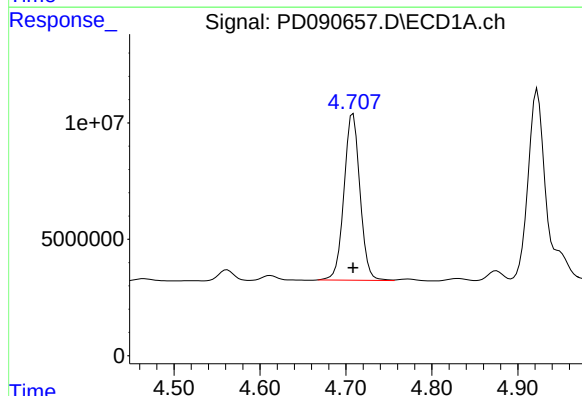
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 108758097
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



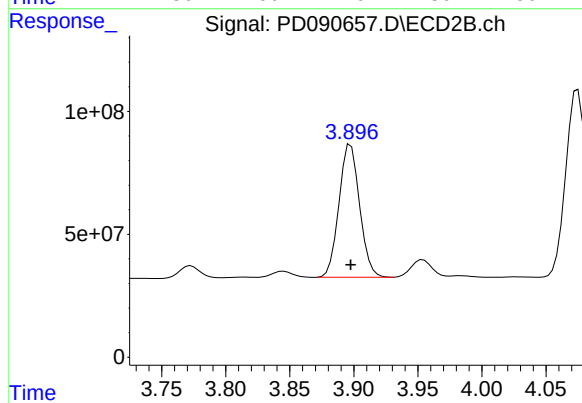
#1 Tetrachloro-m-xylene

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



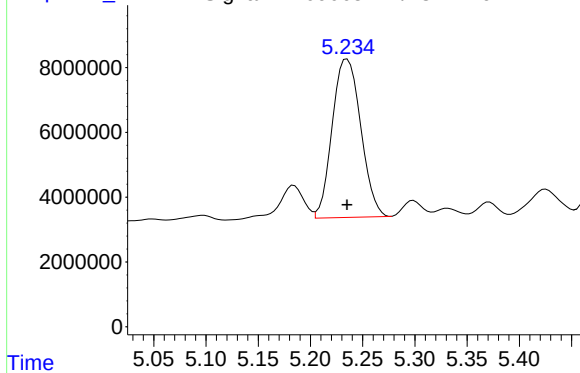
#23 Chlordane-1

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

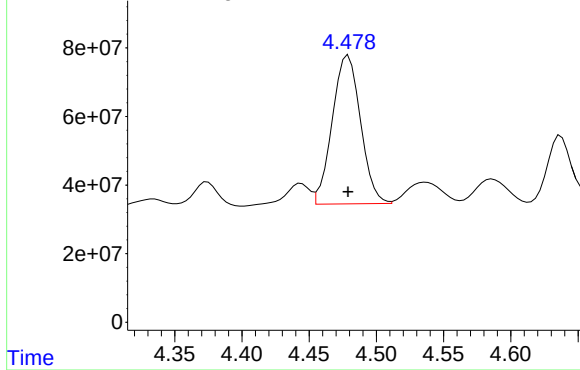
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PD090657.D\ECD2B.ch

#24 Chlordane-2



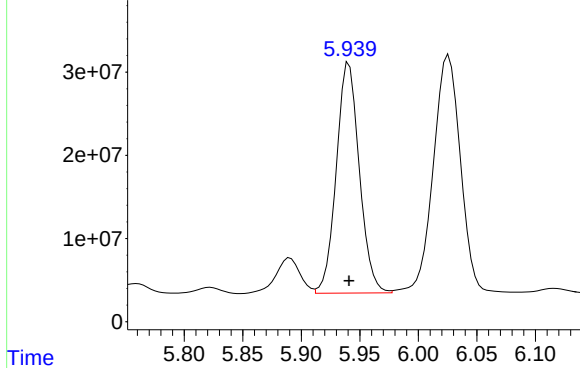
R.T.: 4.479 min
Delta R.T.: 0.000 min
Response: 631892083
Conc: 500.00 ng/ml

Time

Response_

Signal: PD090657.D\ECD1A.ch

#25 Chlordane-3



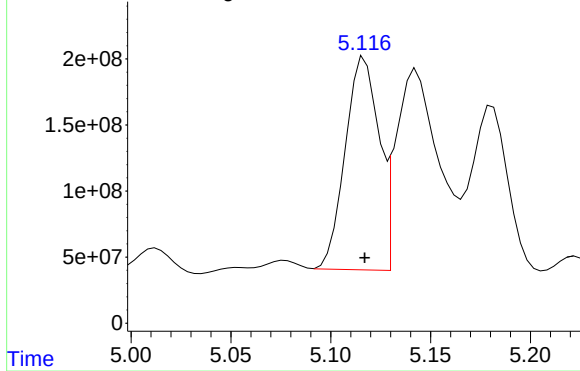
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 379095261
Conc: 500.00 ng/ml

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

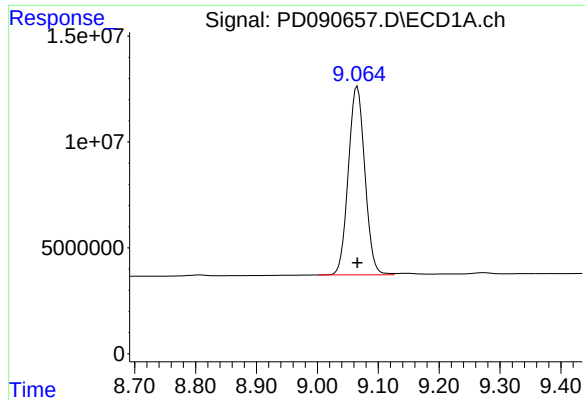
Time

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

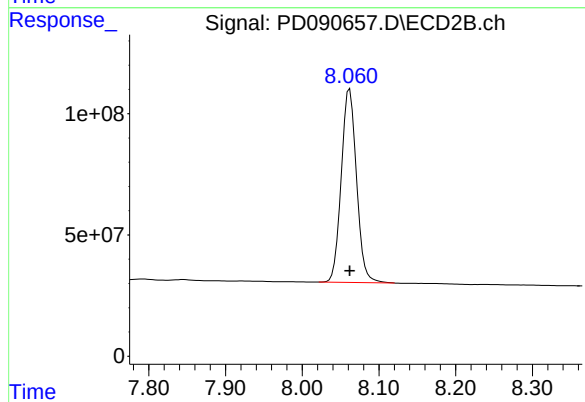
Time



#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

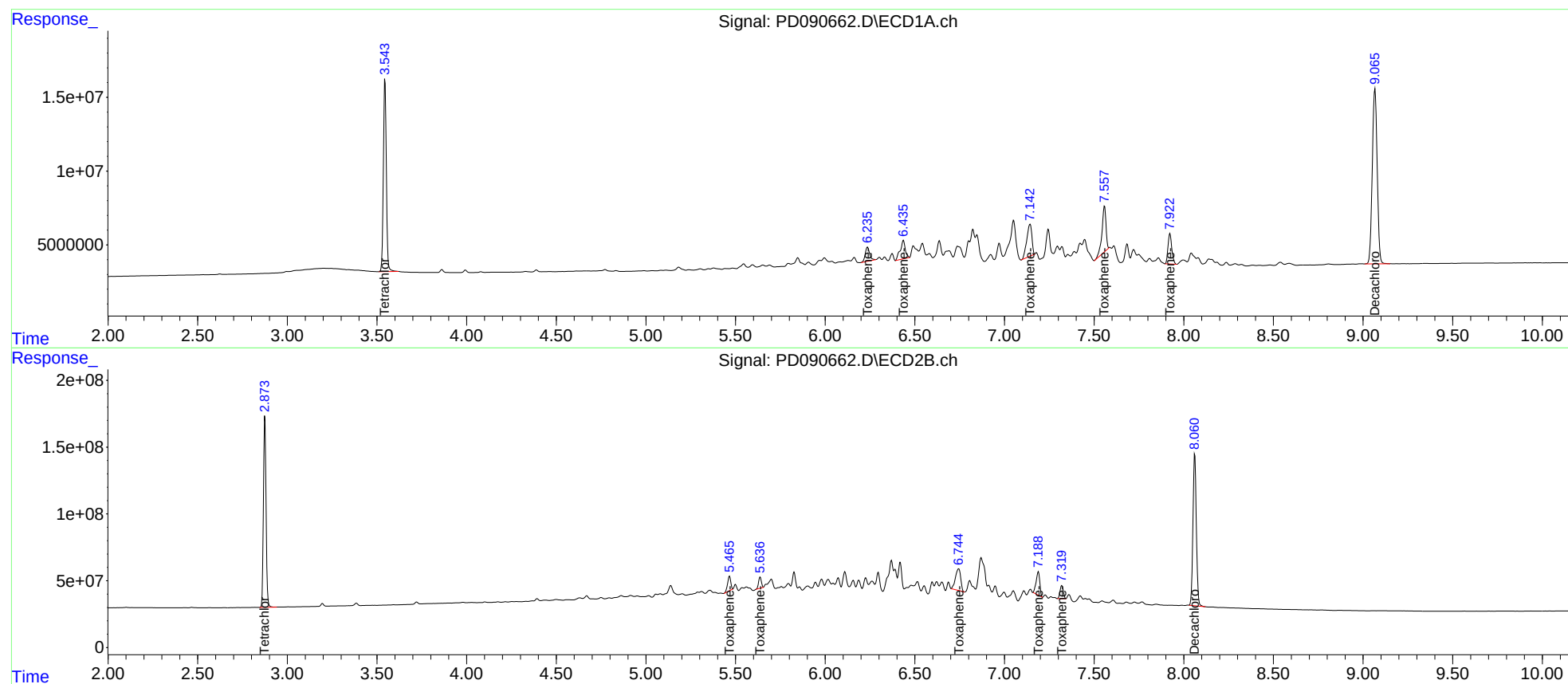
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

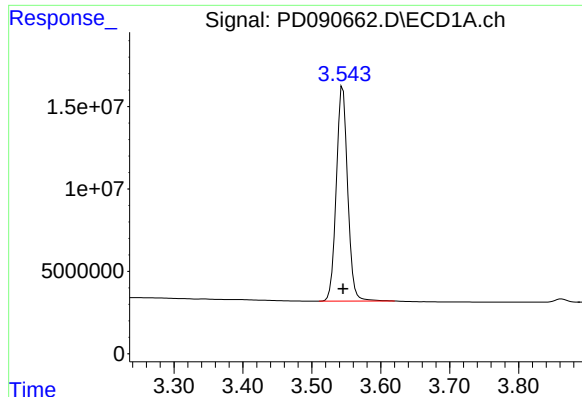
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:17
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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 x 0.25µm

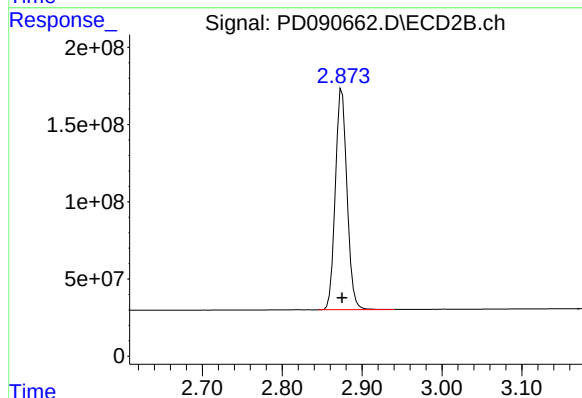




#1 Tetrachloro-m-xylene

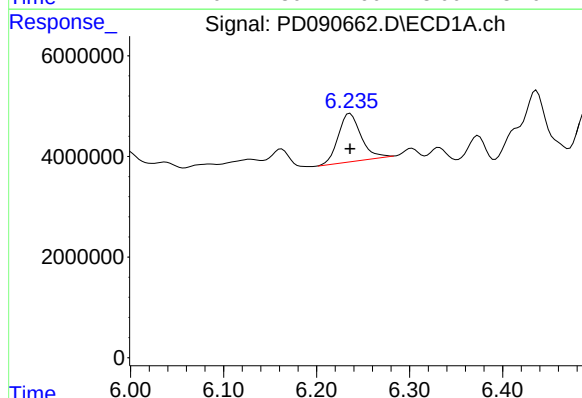
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 149025126
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



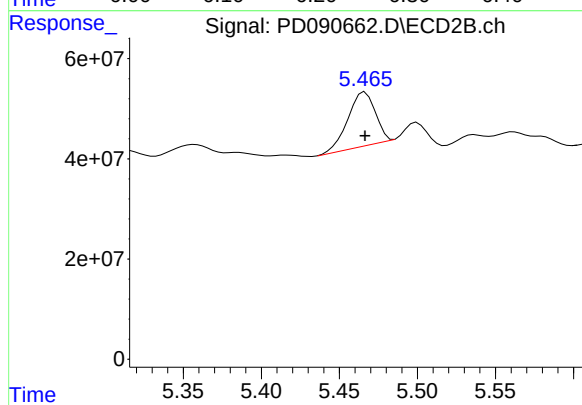
#1 Tetrachloro-m-xylene

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



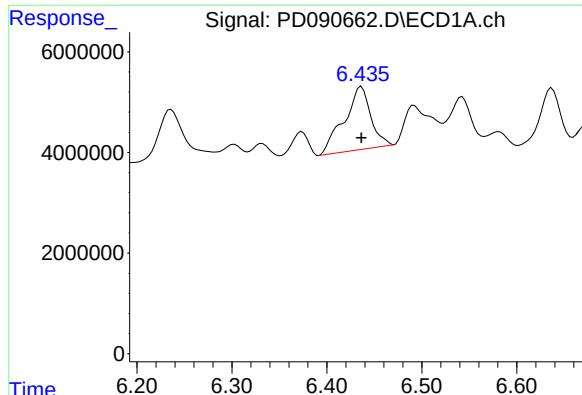
#2 Toxaphene-1

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



#2 Toxaphene-1

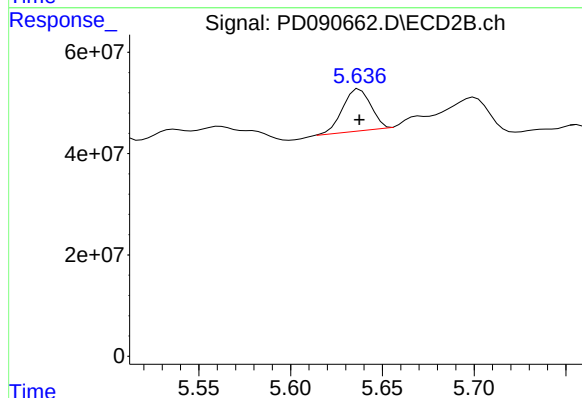
R.T.: 5.466 min
Delta R.T.: 0.000 min
Response: 131850816
Conc: 500.00 ng/ml



#3 Toxaphene-2

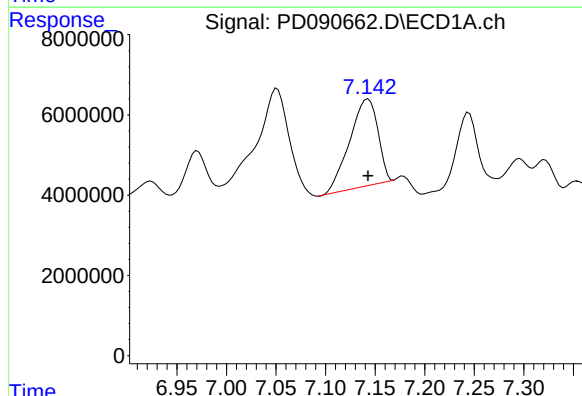
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 24310877
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



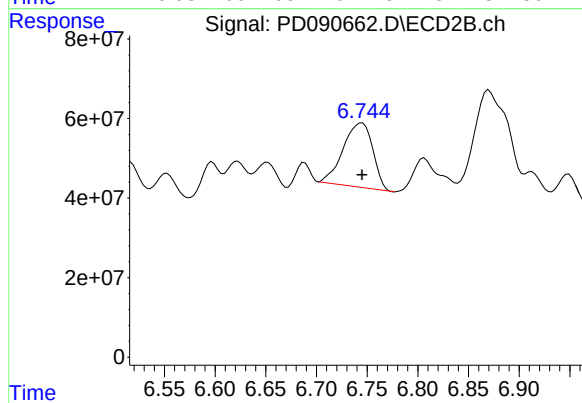
#3 Toxaphene-2

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



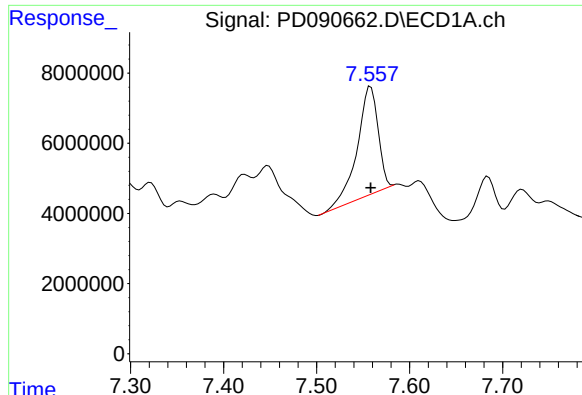
#4 Toxaphene-3

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



#4 Toxaphene-3

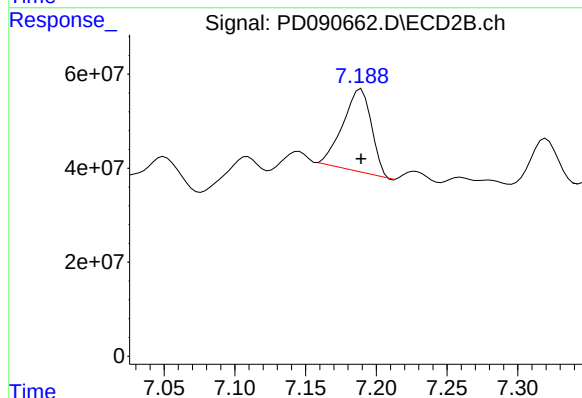
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 329441315
Conc: 500.00 ng/ml



#5 Toxaphene-4

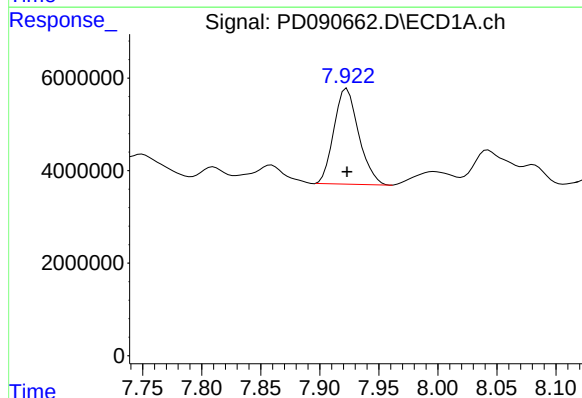
R.T.: 7.558 min
Delta R.T.: 0.000 min
Response: 47868684
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



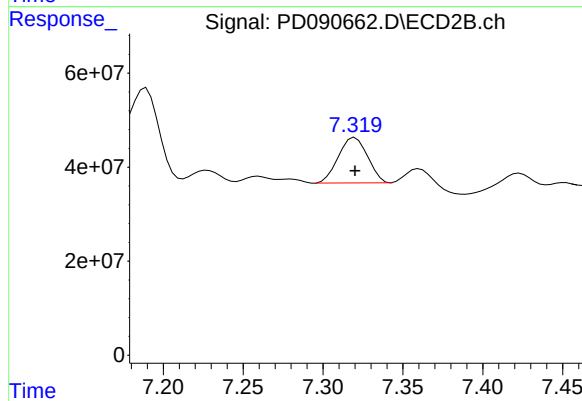
#5 Toxaphene-4

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

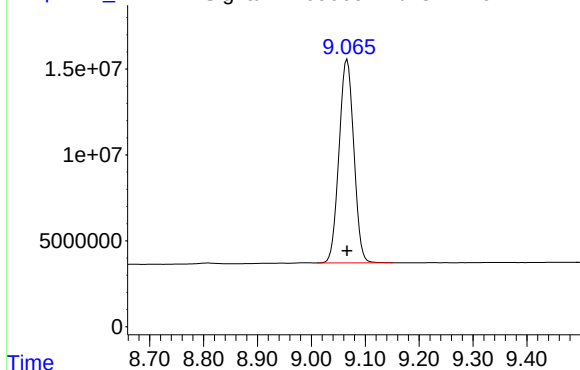
R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 123016477
Conc: 500.00 ng/ml

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

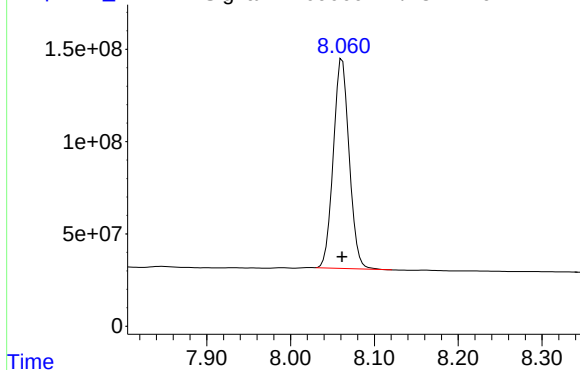
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

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

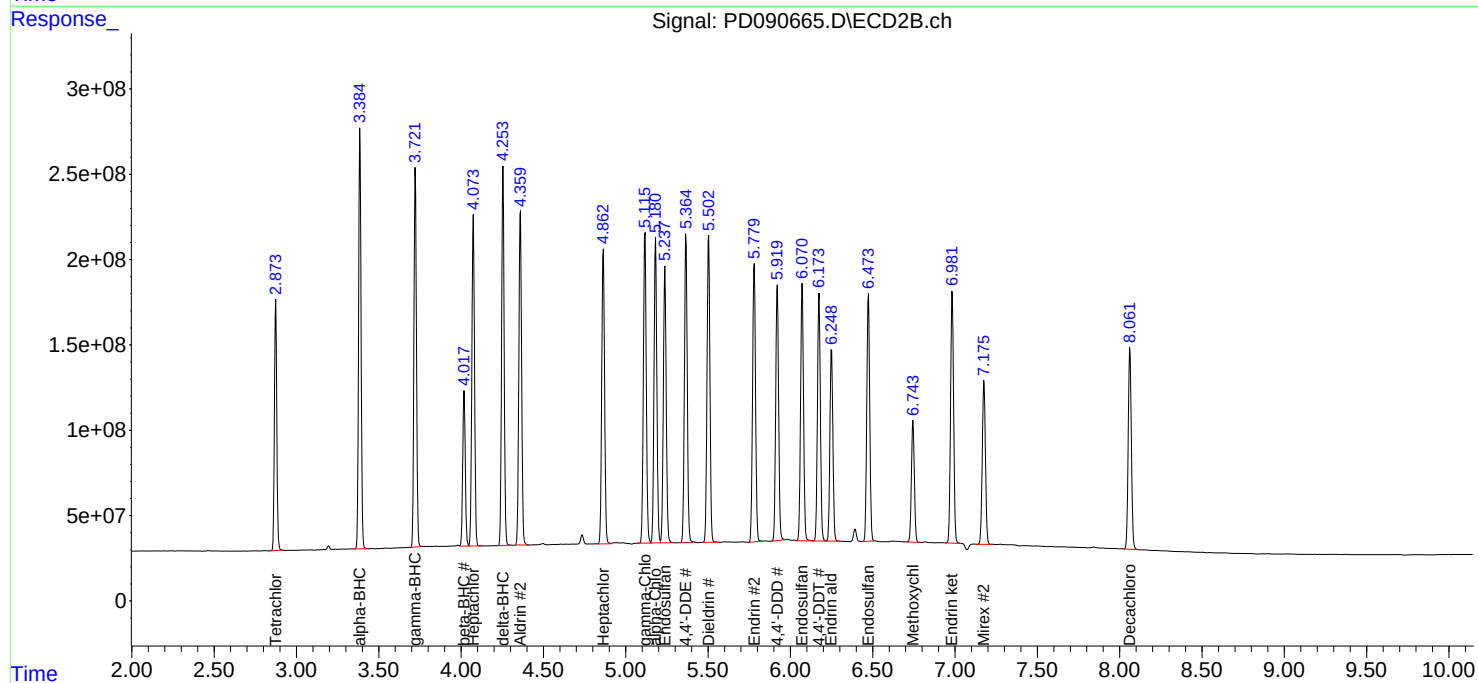
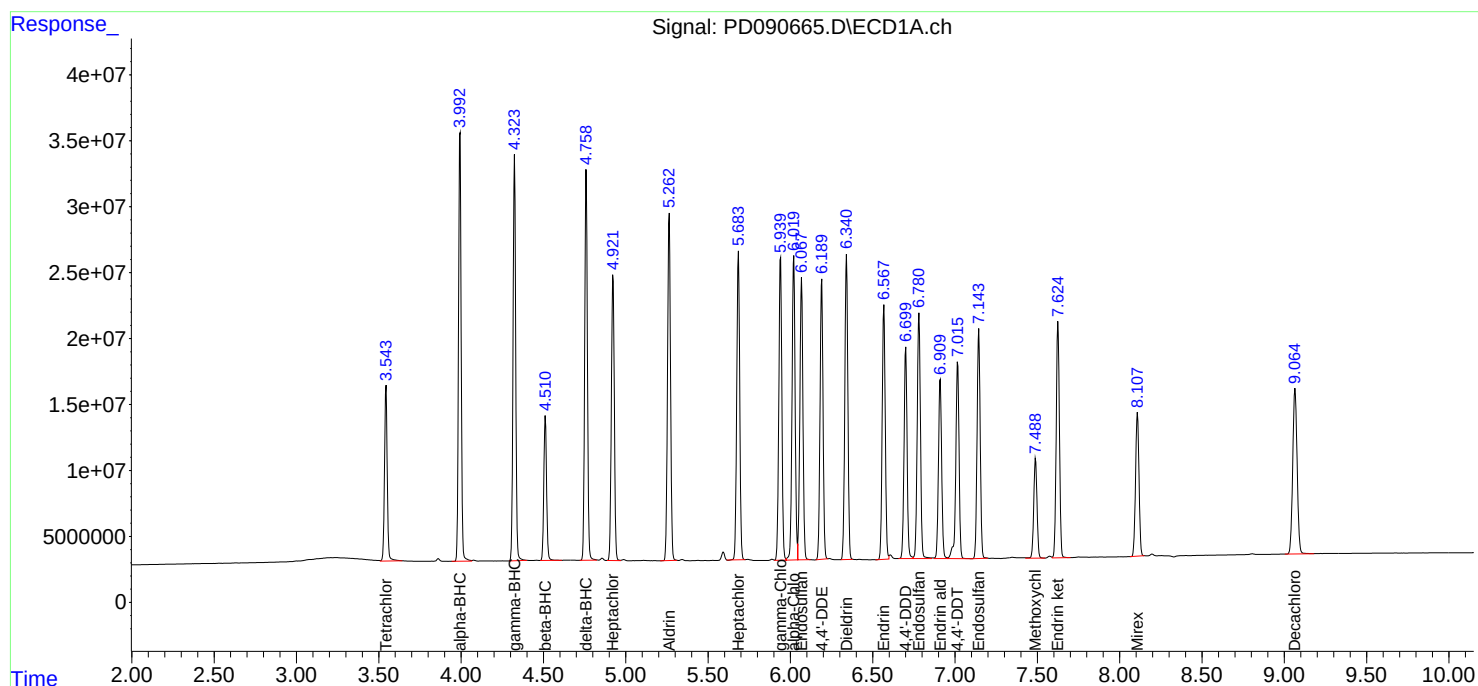
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

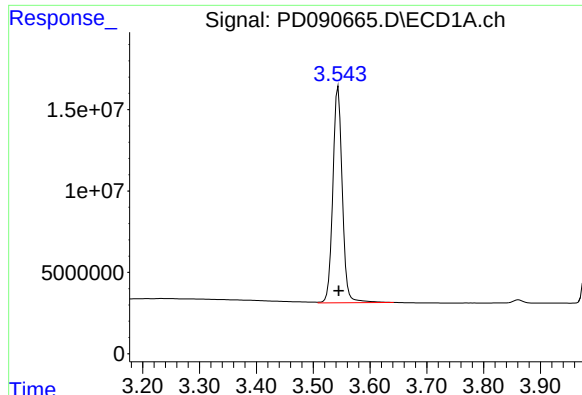
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

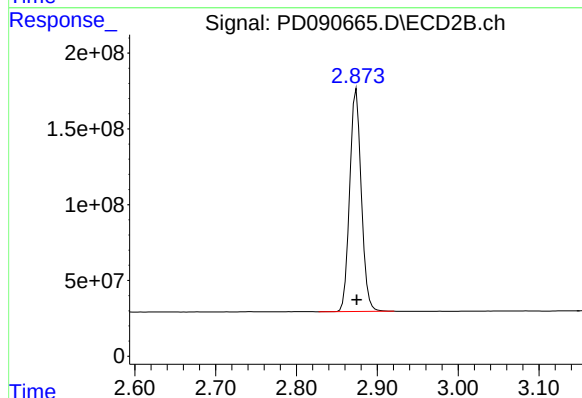




#1 Tetrachloro-m-xylene

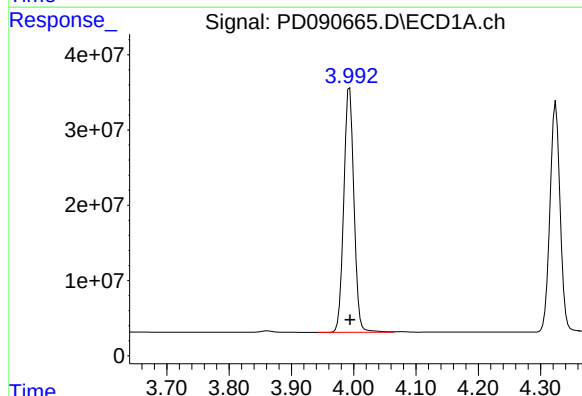
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 153674114
Conc: 49.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



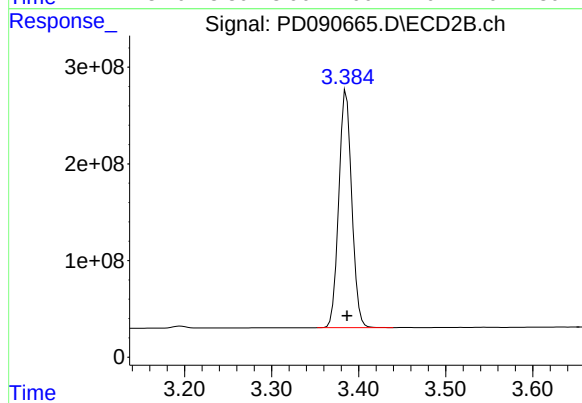
#1 Tetrachloro-m-xylene

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

Response

Signal: PD090665.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 346148511

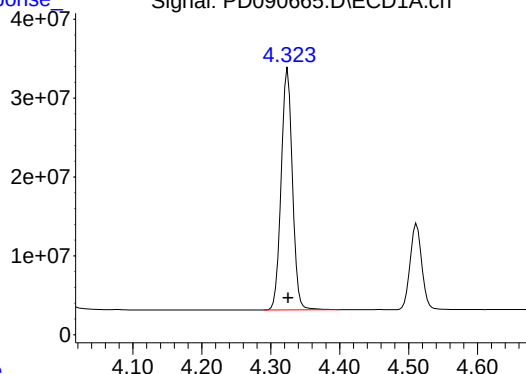
Conc: 50.91 ng/ml

Instrument :

ECD_D

ClientSampleId :

ICVPD101725



Time

Response

Signal: PD090665.D\ECD2B.ch

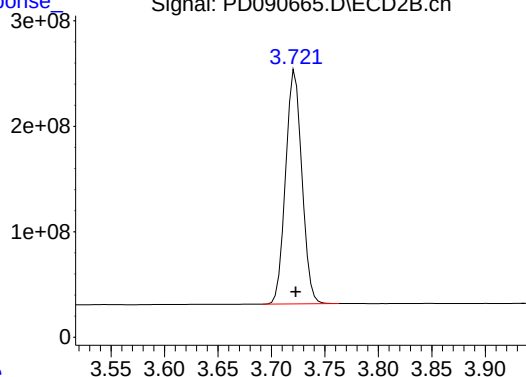
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2351401356

Conc: 49.77 ng/ml



Time

Response

Signal: PD090665.D\ECD1A.ch

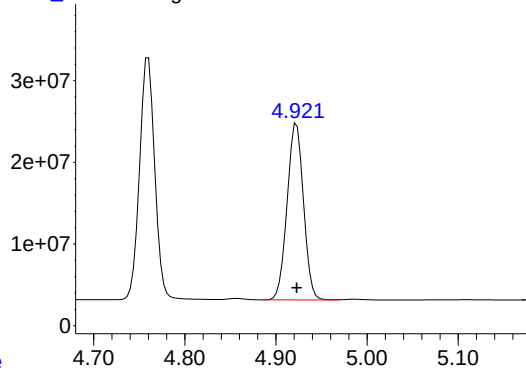
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 269655012

Conc: 48.24 ng/ml



Time

Response

Signal: PD090665.D\ECD2B.ch

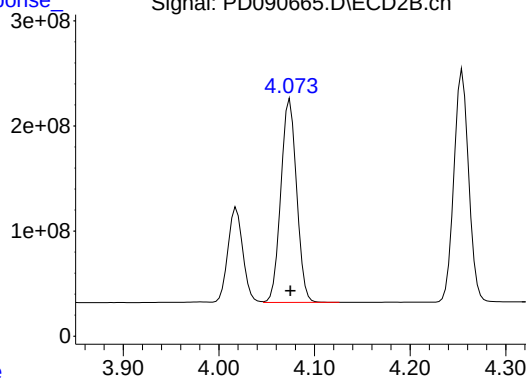
#4 Heptachlor

R.T.: 4.074 min

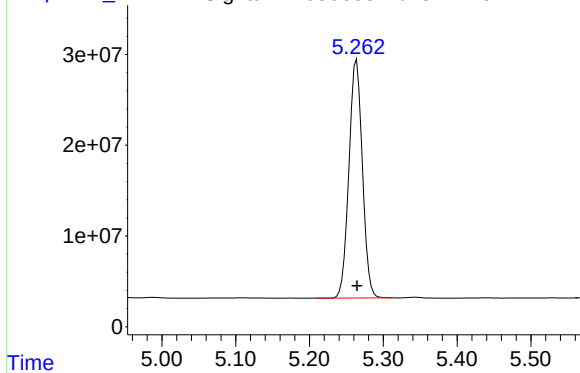
Delta R.T.: 0.000 min

Response: 2210699675

Conc: 49.56 ng/ml



Time



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

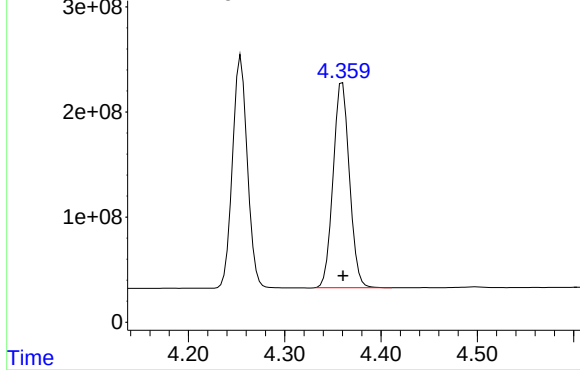
Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



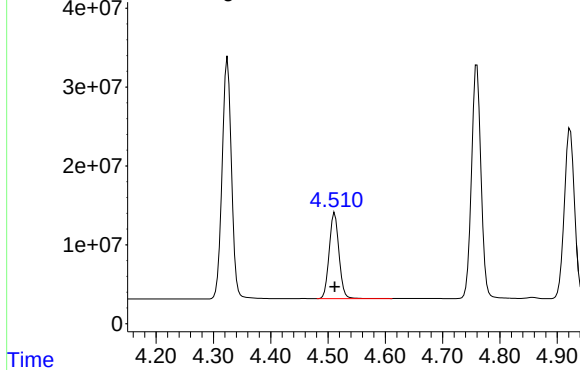
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2302805919
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



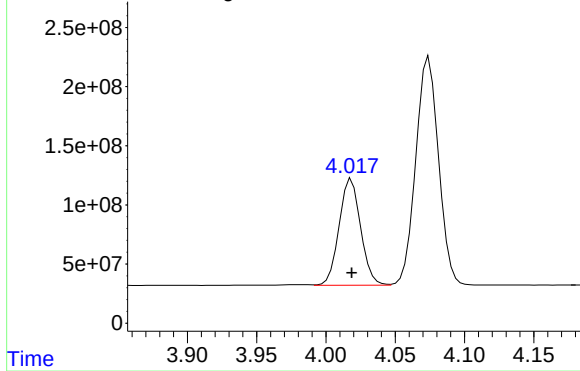
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128796459
Conc: 49.17 ng/ml

Time

Response

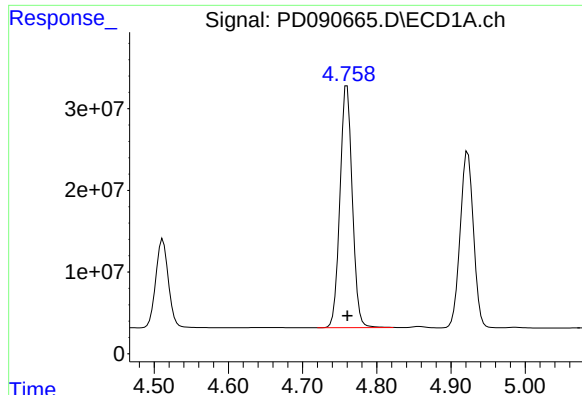
Signal: PD090665.D\ECD2B.ch

#6 beta-BHC



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

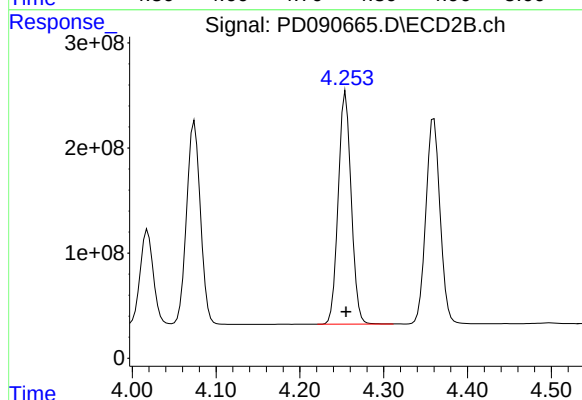
Time



#7 delta-BHC

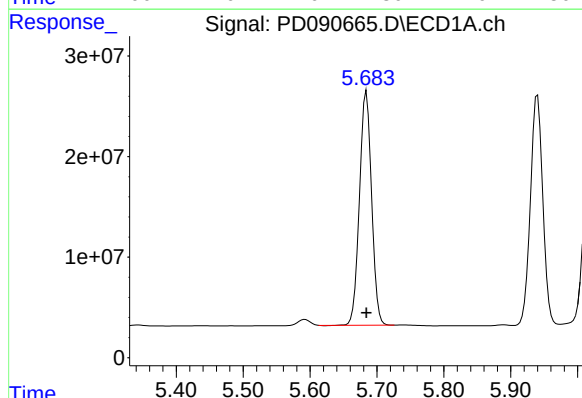
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 343712775
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



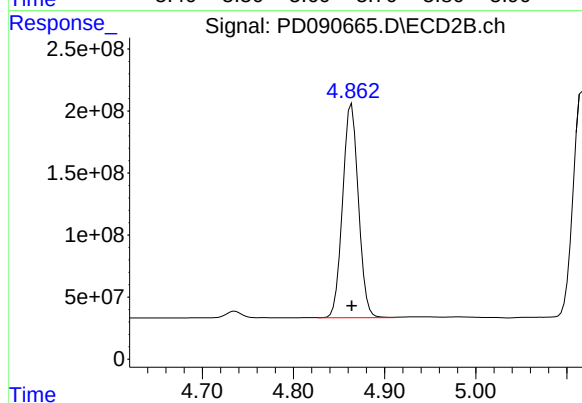
#7 delta-BHC

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



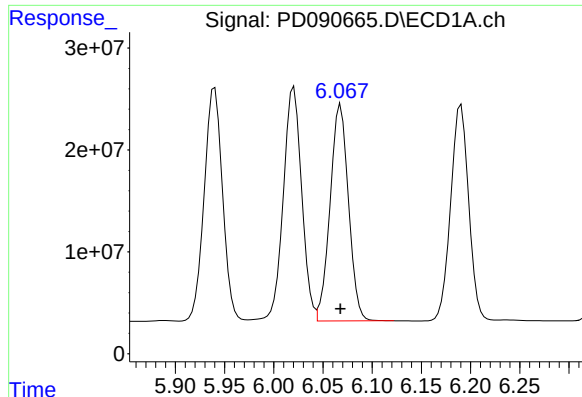
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

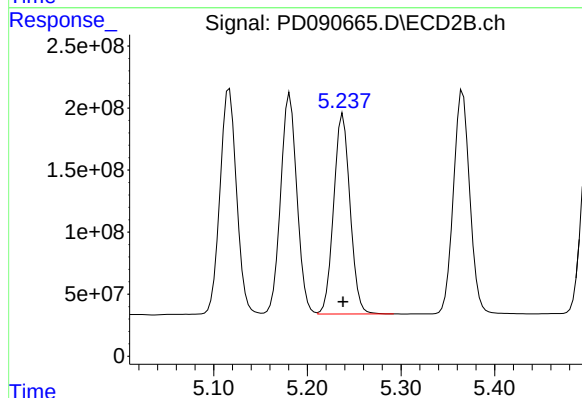
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2073663307
Conc: 48.63 ng/ml



#9 Endosulfan I

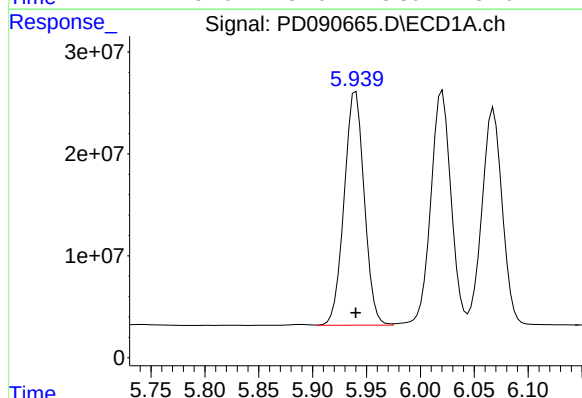
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 276731064
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



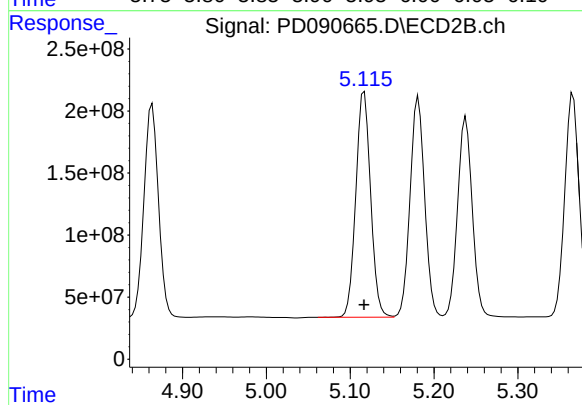
#9 Endosulfan I

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



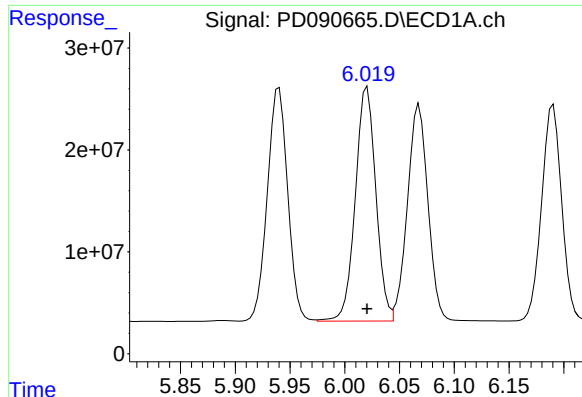
#10 gamma-Chlordane

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



#10 gamma-Chlordane

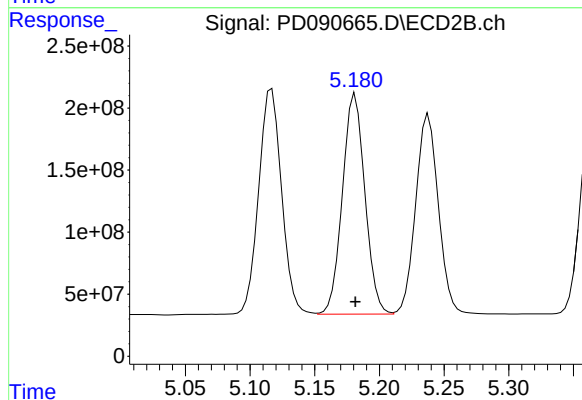
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2235964406
Conc: 49.74 ng/ml



#11 alpha-Chlordane

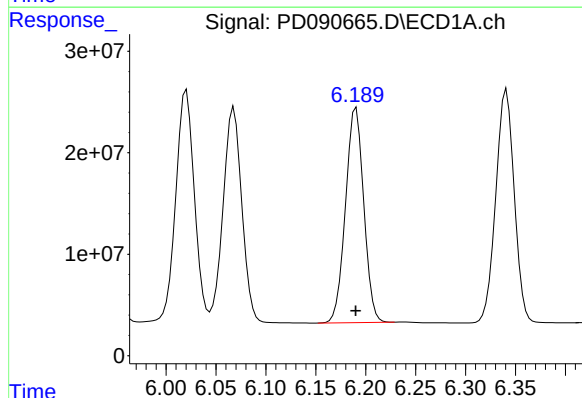
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 299573543
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



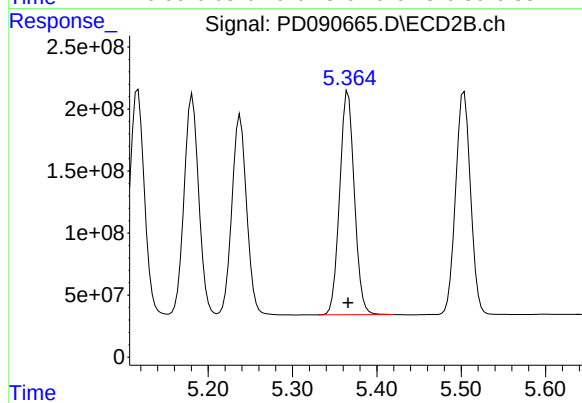
#11 alpha-Chlordane

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



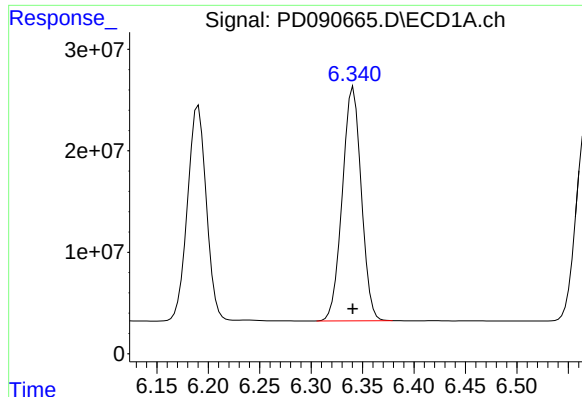
#12 4,4'-DDE

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



#12 4,4'-DDE

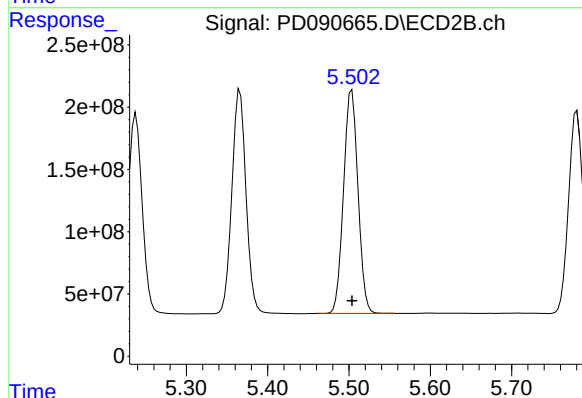
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2179474893
Conc: 49.72 ng/ml



#13 Dieldrin

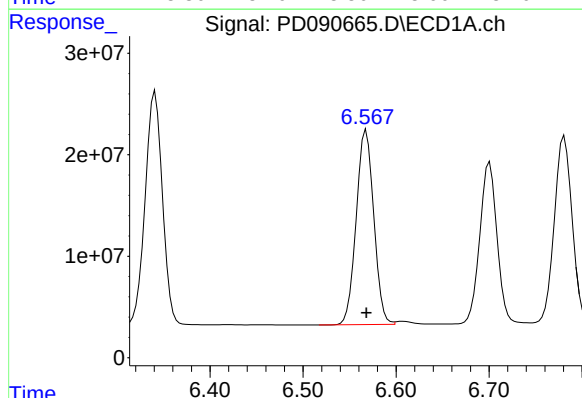
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 295678653
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



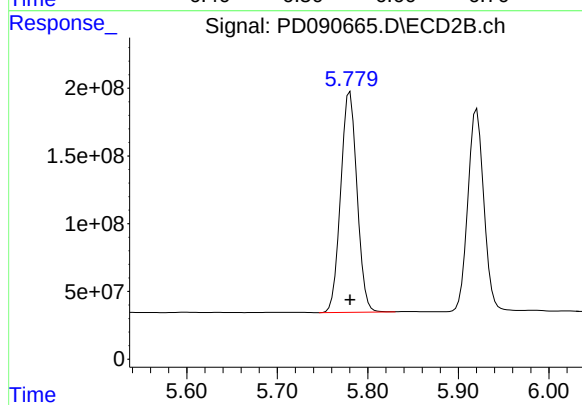
#13 Dieldrin

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



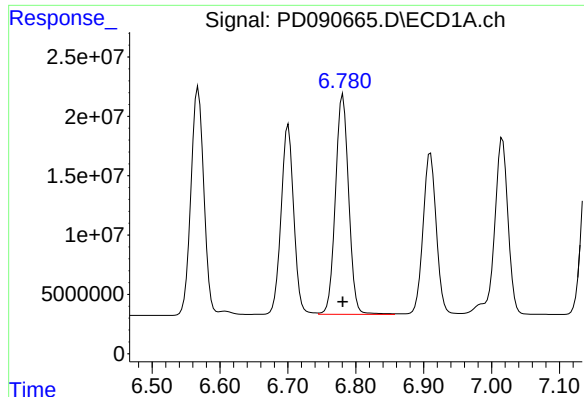
#14 Endrin

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



#14 Endrin

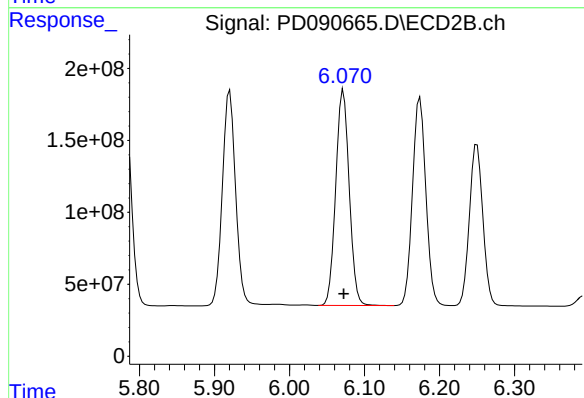
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2041761986
Conc: 50.42 ng/ml



#15 Endosulfan II

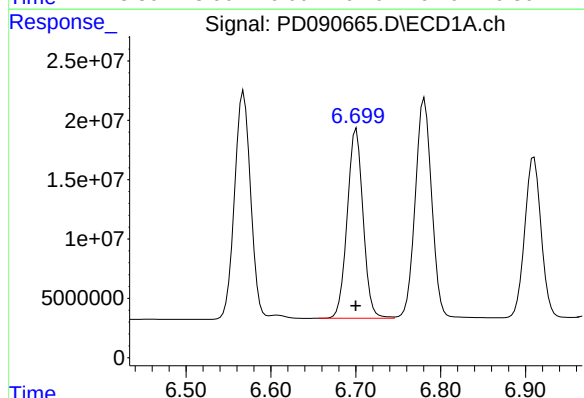
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 251374054
Conc: 50.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



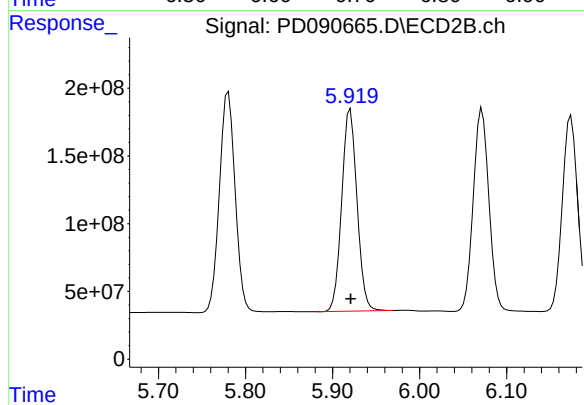
#15 Endosulfan II

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



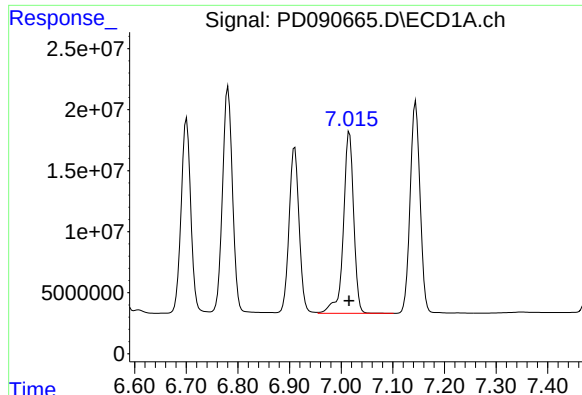
#16 4,4'-DDD

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



#16 4,4'-DDD

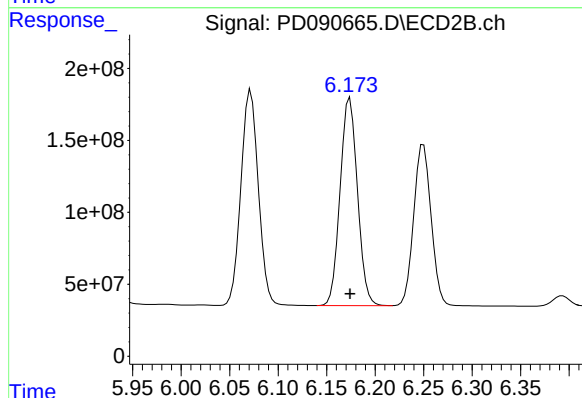
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1821049286
Conc: 49.98 ng/ml



#17 4,4'-DDT

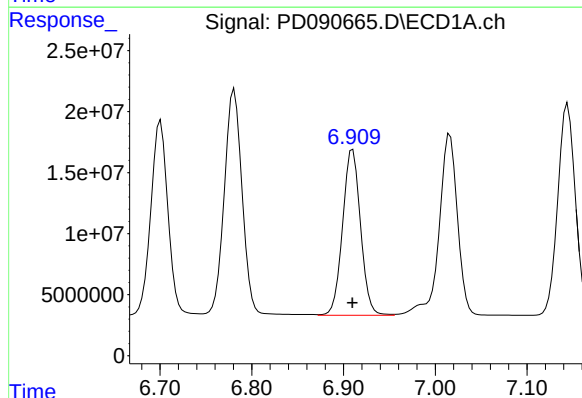
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206839113
Conc: 50.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



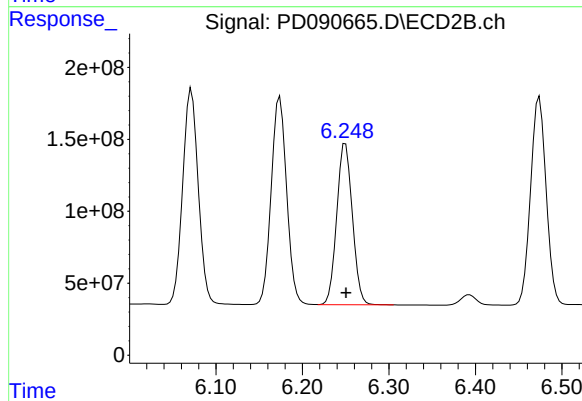
#17 4,4'-DDT

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



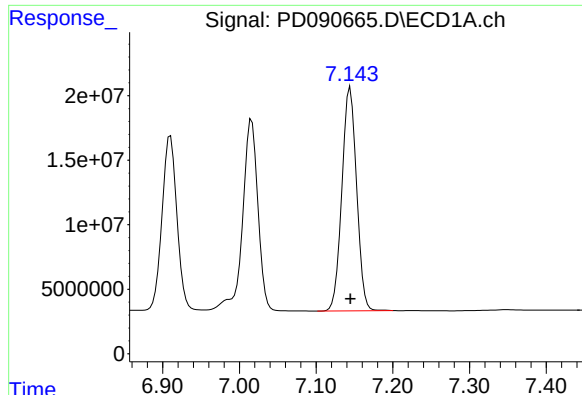
#18 Endrin aldehyde

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



#18 Endrin aldehyde

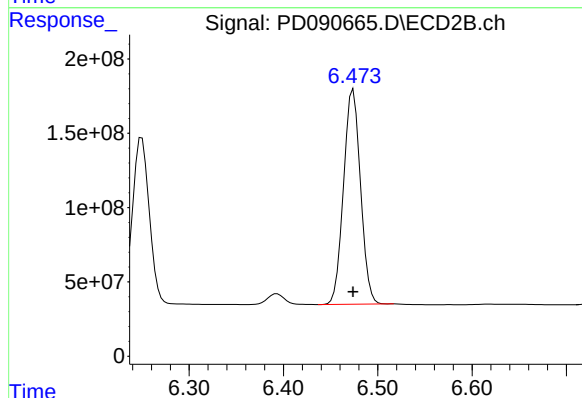
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1401255725
Conc: 50.60 ng/ml



#19 Endosulfan Sulfate

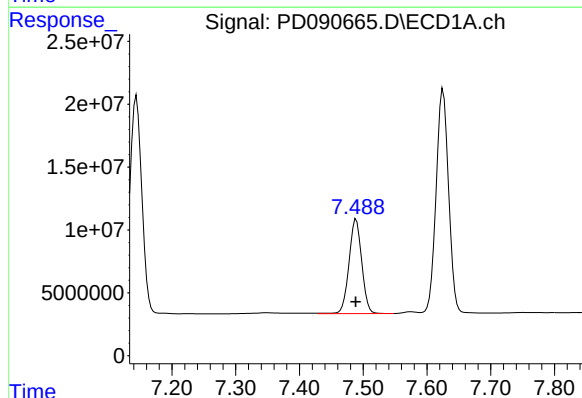
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 231154352
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



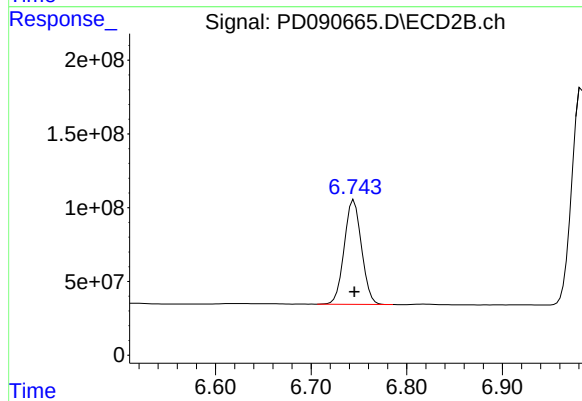
#19 Endosulfan Sulfate

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



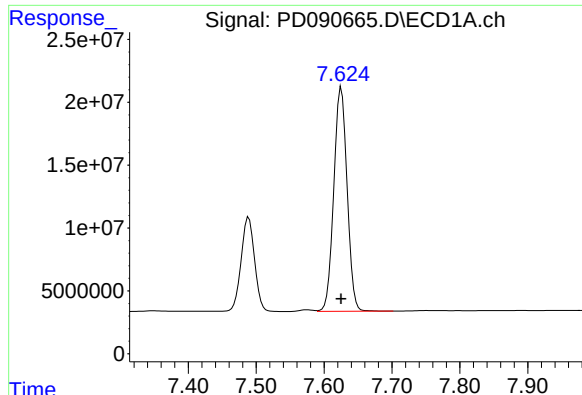
#20 Methoxychlor

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



#20 Methoxychlor

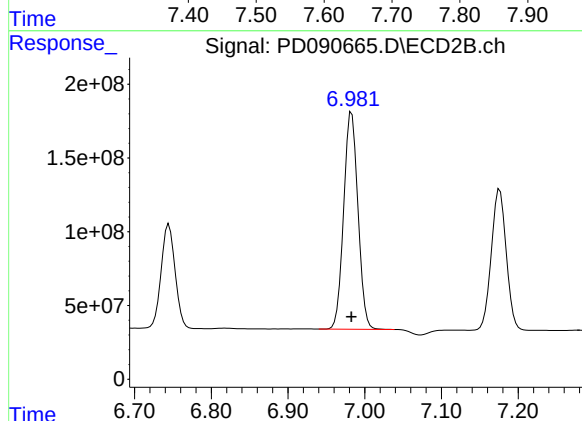
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 890144630
Conc: 51.08 ng/ml



#21 Endrin ketone

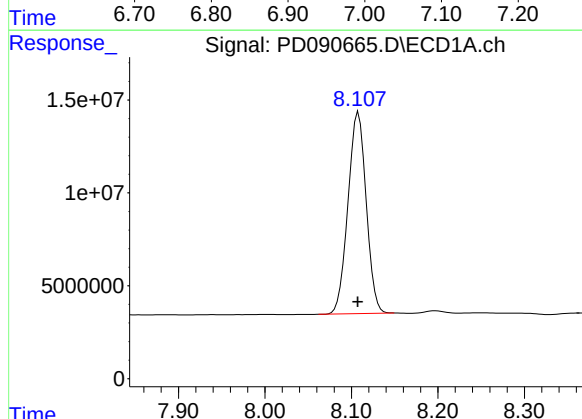
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242853020
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



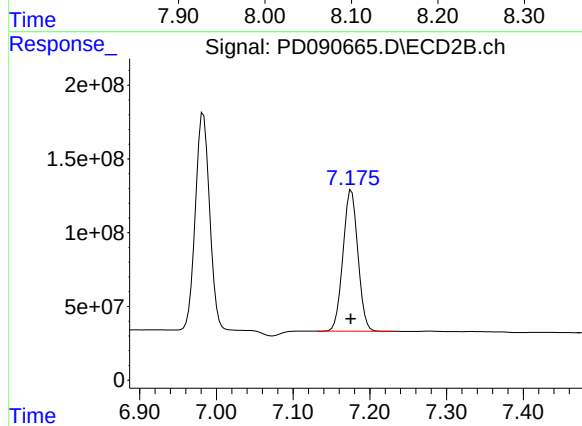
#21 Endrin ketone

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



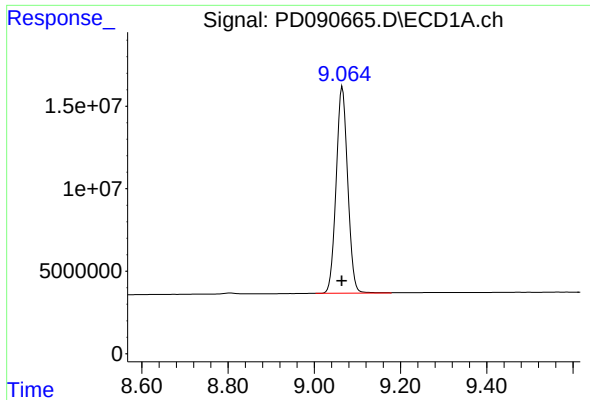
#22 Mirex

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

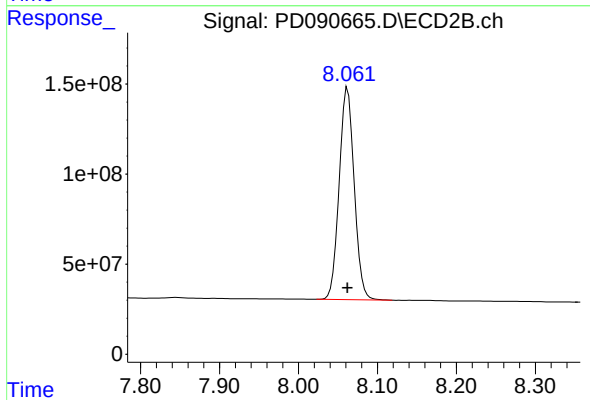


#28 Decachlorobiphenyl

ICAL Form

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090666.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 17:50
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD101725CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 18:03:13 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...	3.547	2.873	151.2E6	1640.5E6	48.564	55.094
28)	SA Decachlor...	9.069	8.063	245.8E6	1635.1E6	52.541	53.979
Target Compounds							
23)	Chlordane-1	4.711	3.897	81712455	547.0E6	432.404	438.923
24)	Chlordane-2	5.238	4.479	83577133	567.3E6	432.751	434.873
25)	Chlordane-3	5.944	5.117	339.4E6	1711.3E6	444.973	439.739
26)	Chlordane-4	6.029	5.182	443.9E6	1471.1E6	458.160	440.289
27)	Chlordane-5	6.868	6.082	67446272	668.4E6	448.868	452.832

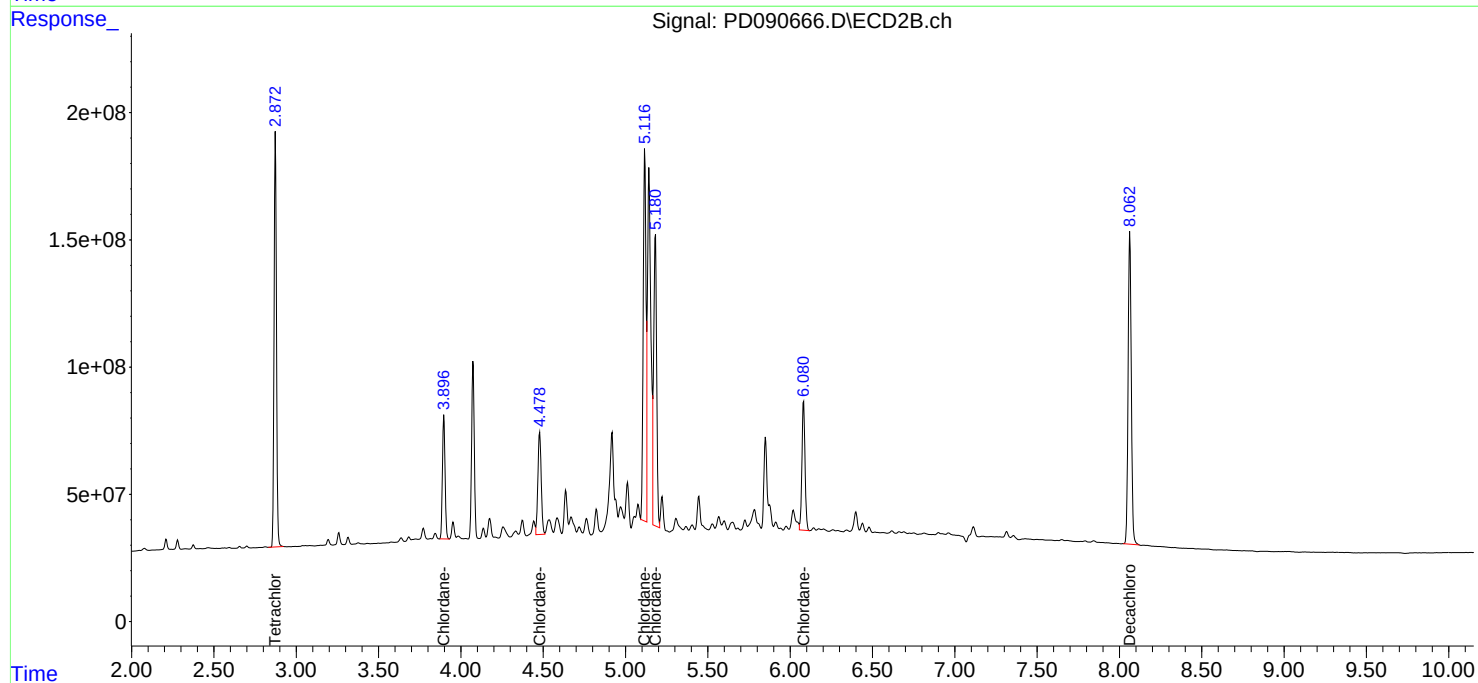
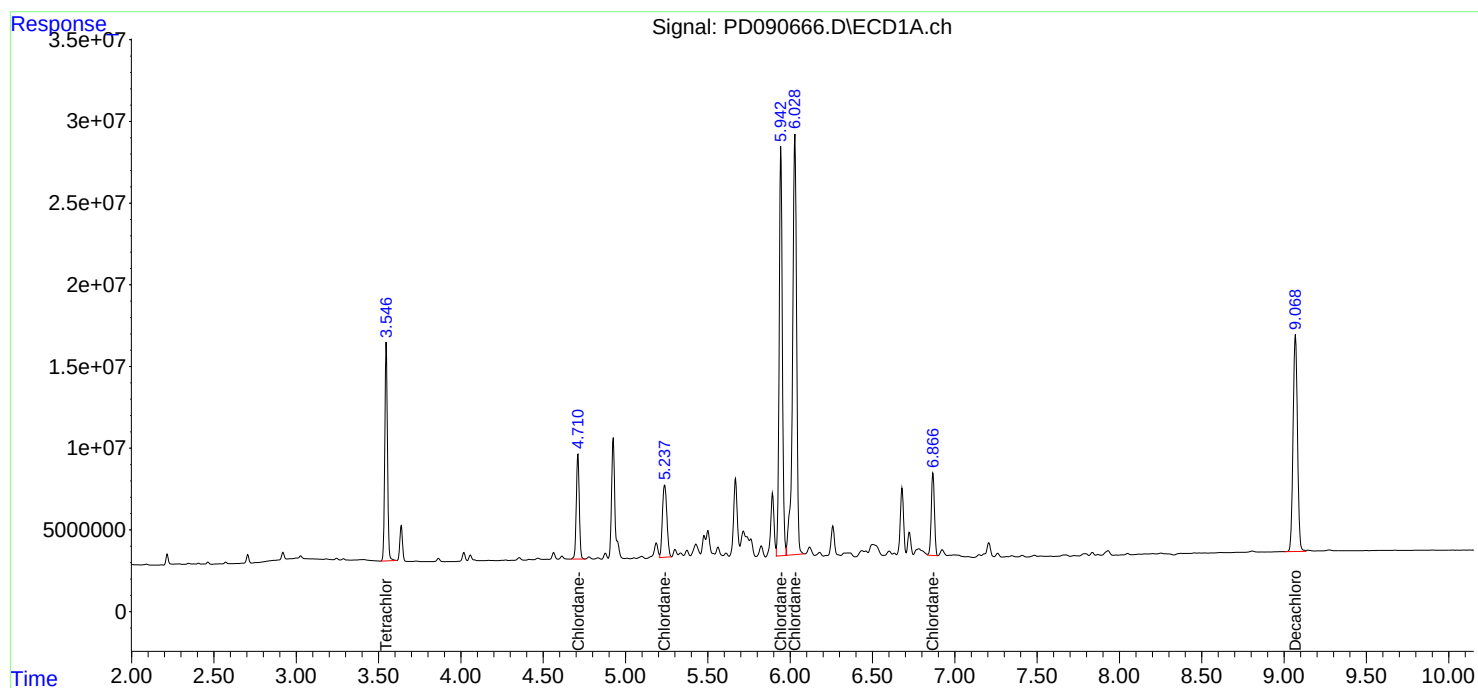
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

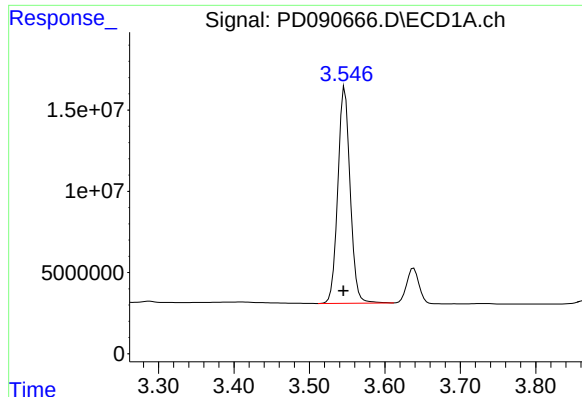
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090666.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 17:50
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD101725CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 18:03:13 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

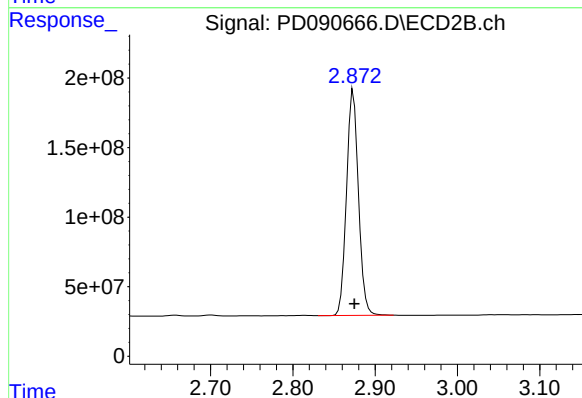




#1 Tetrachloro-m-xylene

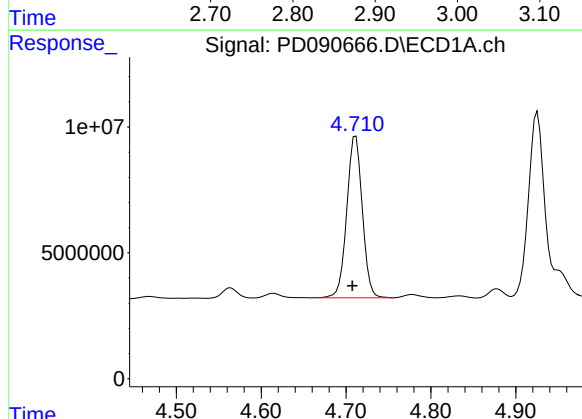
R.T.: 3.547 min
Delta R.T.: 0.002 min
Response: 151237324
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725CHLOR



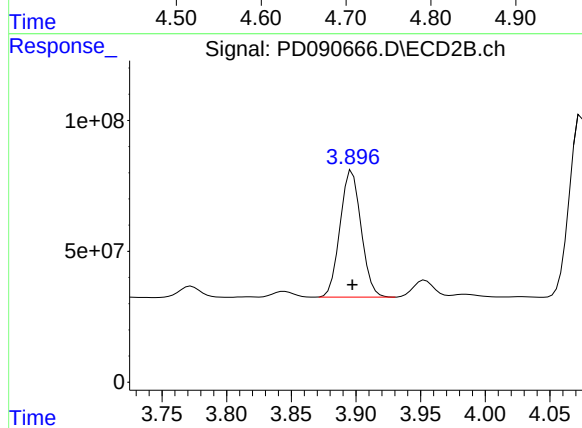
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 1640546394
Conc: 55.09 ng/ml



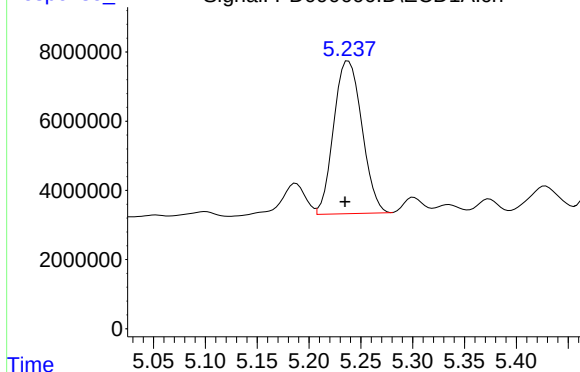
#23 Chlordane-1

R.T.: 4.711 min
Delta R.T.: 0.004 min
Response: 81712455
Conc: 432.40 ng/ml



#23 Chlordane-1

R.T.: 3.897 min
Delta R.T.: 0.000 min
Response: 547017680
Conc: 438.92 ng/ml



R.T.: 5.238 min
Delta R.T.: 0.003 min
Response: 83577133
Conc: 432.75 ng/ml

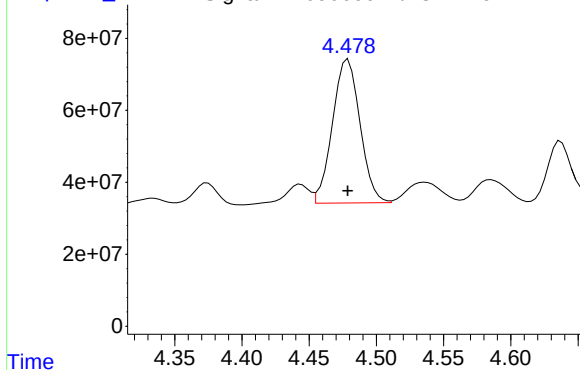
Instrument :
ECD_D
ClientSampleId :
ICVPD101725CHLOR

Time

Response_

Signal: PD090666.D\ECD2B.ch

#24 Chlordane-2



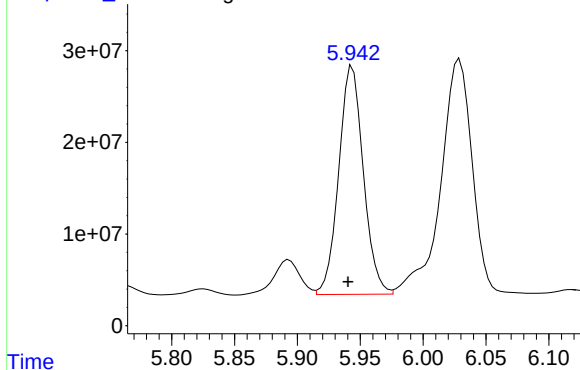
R.T.: 4.479 min
Delta R.T.: 0.000 min
Response: 567301247
Conc: 434.87 ng/ml

Time

Response_

Signal: PD090666.D\ECD1A.ch

#25 Chlordane-3



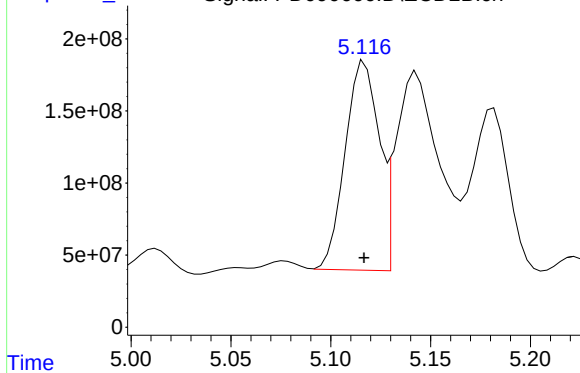
R.T.: 5.944 min
Delta R.T.: 0.003 min
Response: 339408061
Conc: 444.97 ng/ml

Time

Response_

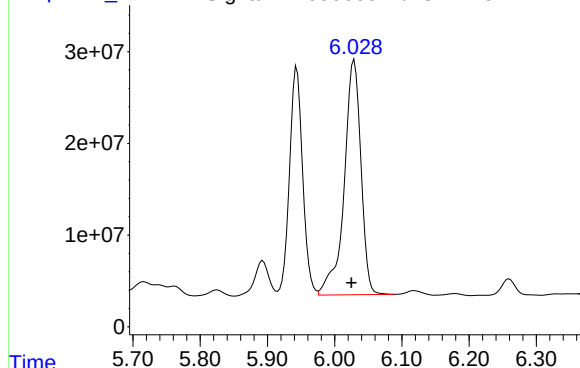
Signal: PD090666.D\ECD2B.ch

#25 Chlordane-3



R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1711276835
Conc: 439.74 ng/ml

Response_ Signal: PD090666.D\ECD1A.ch

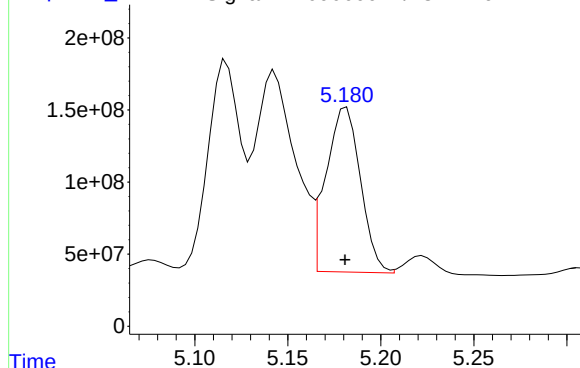


#26 Chlordane-4

R.T.: 6.029 min
Delta R.T.: 0.004 min
Response: 443904717
Conc: 458.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725CHLOR

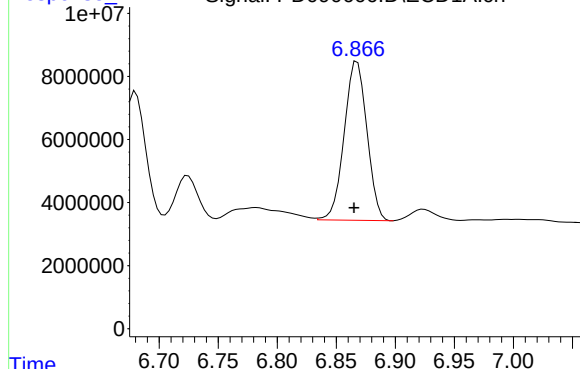
Response_ Signal: PD090666.D\ECD2B.ch



#26 Chlordane-4

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1471108584
Conc: 440.29 ng/ml

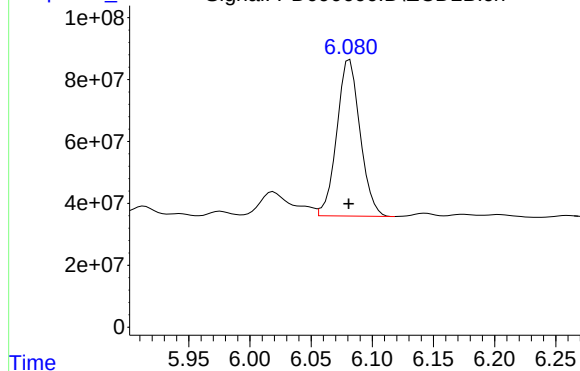
Response_ Signal: PD090666.D\ECD1A.ch



#27 Chlordane-5

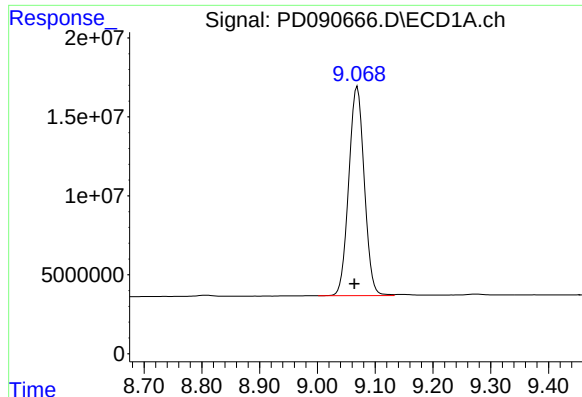
R.T.: 6.868 min
Delta R.T.: 0.003 min
Response: 67446272
Conc: 448.87 ng/ml

Response_ Signal: PD090666.D\ECD2B.ch



#27 Chlordane-5

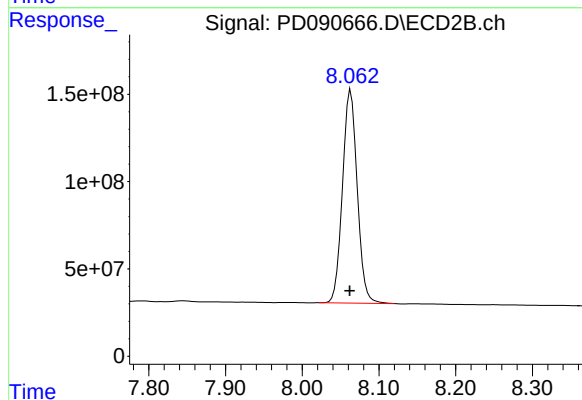
R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 668394616
Conc: 452.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.005 min
Response: 245784139
Conc: 52.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725CHLOR



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.001 min
Response: 1635082214
Conc: 53.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090667.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 18:42
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD101725TOX

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 09:07:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 16:43:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

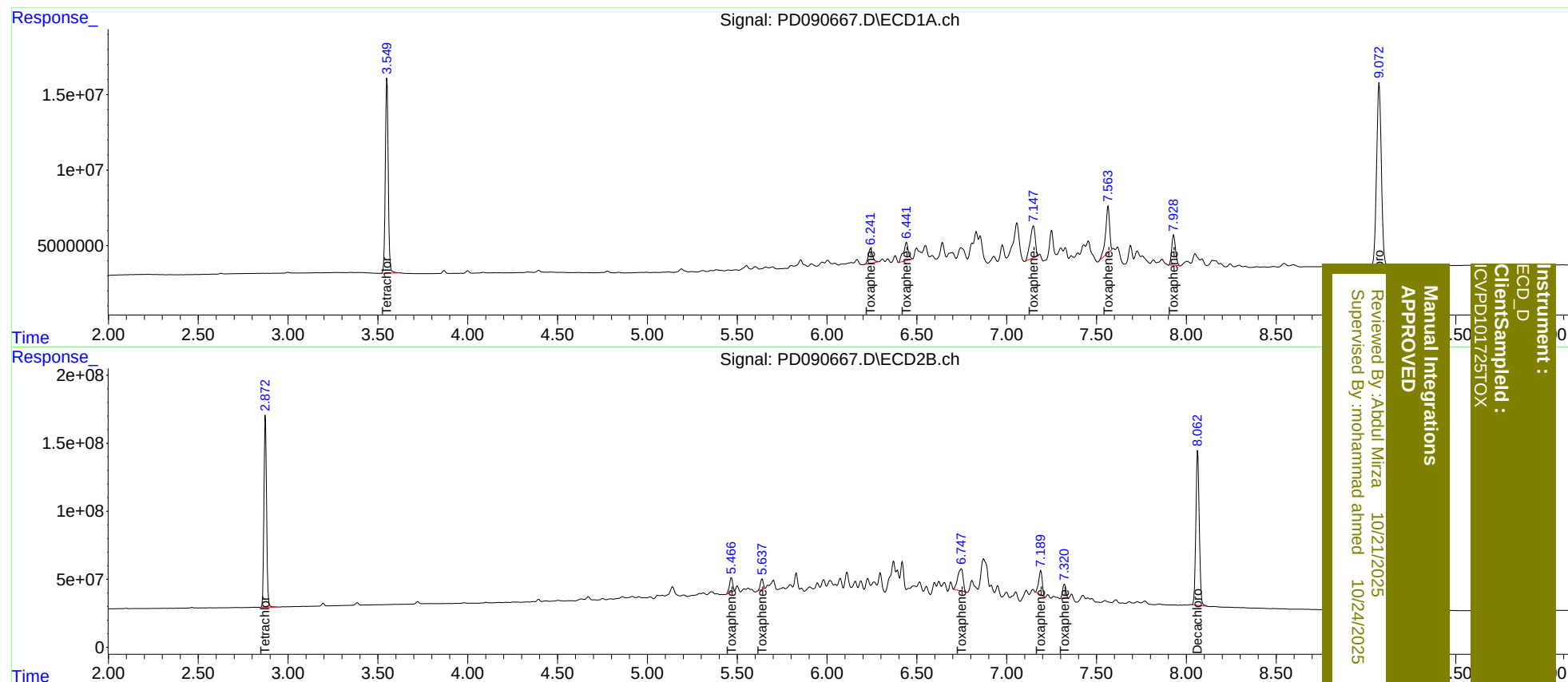
System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.874	144.8E6	1414.7E6	47.850	47.865
7)	SA Decachlor...	9.073	8.063	222.4E6	1485.6E6	48.104	48.572
Target Compounds							
2)	Toxaphene-1	6.243	5.468	16199211	128.4E6	486.326	472.241
3)	Toxaphene-2	6.442	5.639	23160349	87664602	469.047	488.530
4)	Toxaphene-3	7.149	6.748	41739789	339.6E6	481.161	526.232
5)	Toxaphene-4	7.565	7.190	46882437	247.3E6	496.038	505.430
6)	Toxaphene-5	7.930	7.320	29219348	133.4E6	485.054	589.259m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 18:42
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

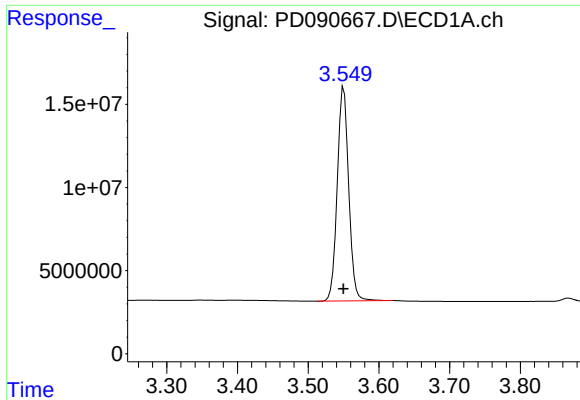
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 09:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 16:43:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integrations
APPROVED
Reviewed By: Abdul Mirza 10/21/2025
Supervised By: mohammad ahmed 10/24/2025

Instrument :
ECD_D
ClientSample :
ICVPD101725TOX



#1 Tetrachloro-m-xylene

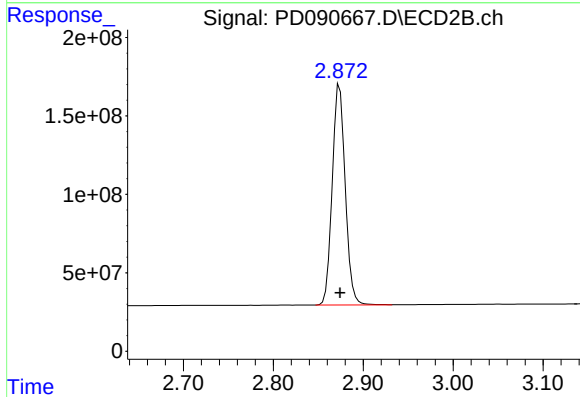
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 144773410
Conc: 47.85 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
ICVPD101725TOX

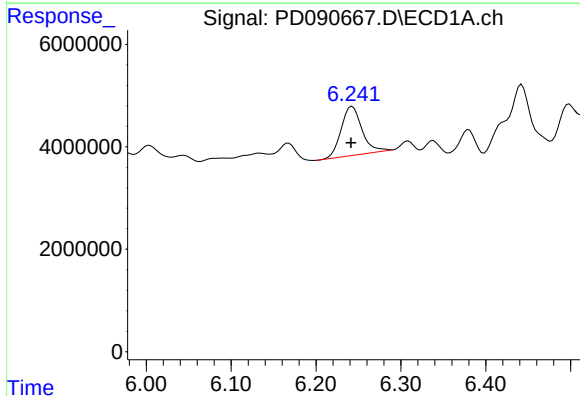
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



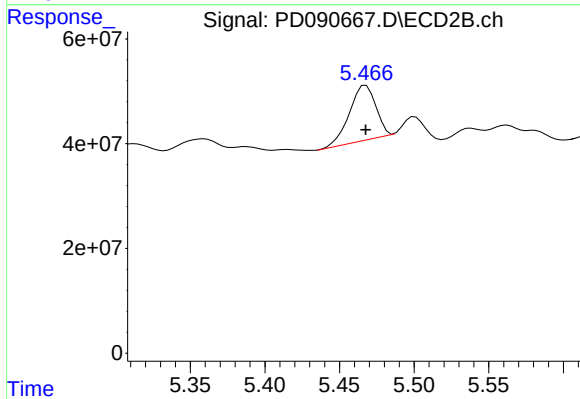
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1414733633
Conc: 47.87 ng/ml



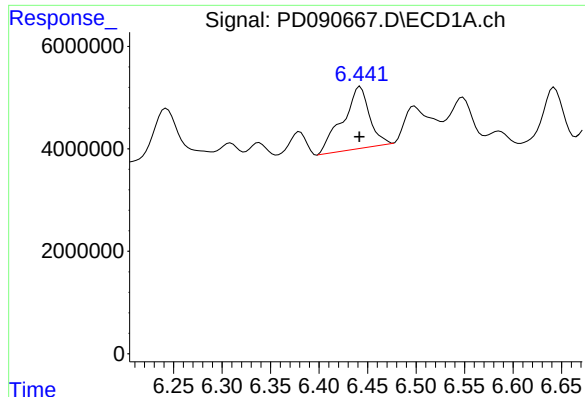
#2 Toxaphene-1

R.T.: 6.243 min
Delta R.T.: 0.001 min
Response: 16199211
Conc: 486.33 ng/ml



#2 Toxaphene-1

R.T.: 5.468 min
Delta R.T.: 0.000 min
Response: 128400708
Conc: 472.24 ng/ml



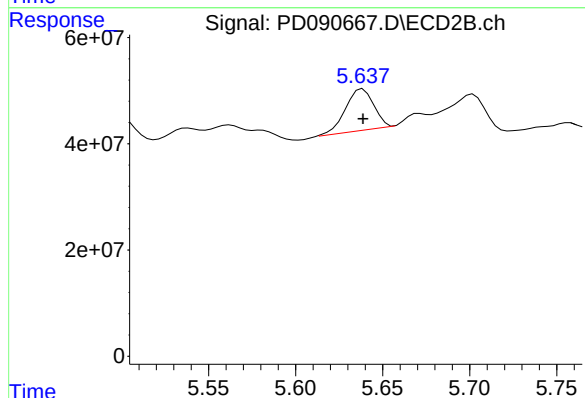
#3 Toxaphene-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 23160349
Conc: 469.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725TOX

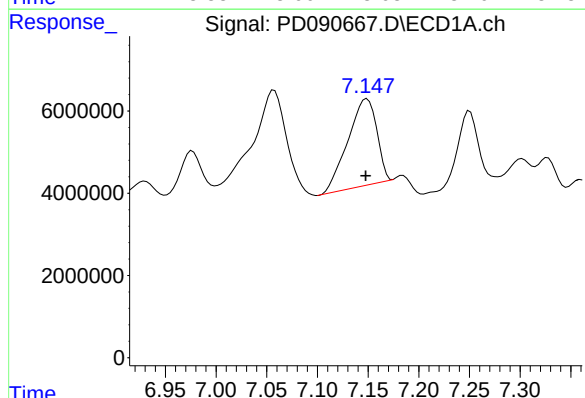
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



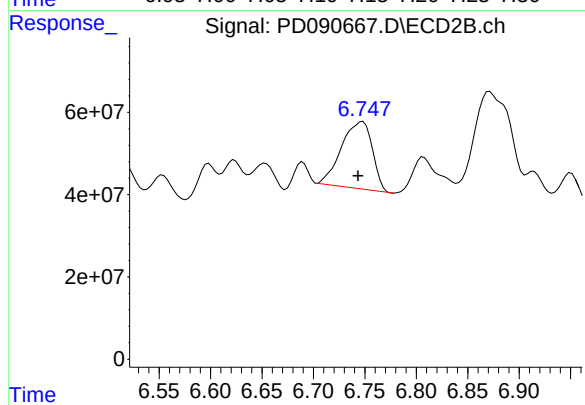
#3 Toxaphene-2

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 87664602
Conc: 488.53 ng/ml



#4 Toxaphene-3

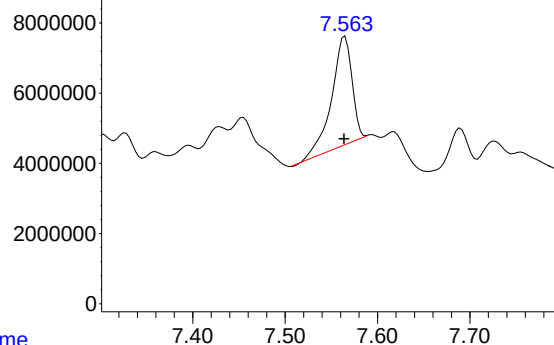
R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 41739789
Conc: 481.16 ng/ml



#4 Toxaphene-3

R.T.: 6.748 min
Delta R.T.: 0.005 min
Response: 339600612
Conc: 526.23 ng/ml

Response_ Signal: PD090667.D\ECD1A.ch



#5 Toxaphene-4

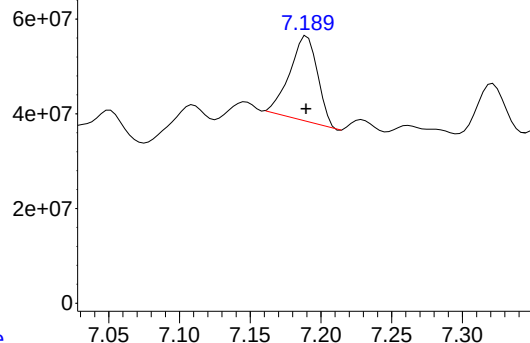
R.T.: 7.565 min
Delta R.T.: 0.000 min
Response: 46882437
Conc: 496.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725TOX

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

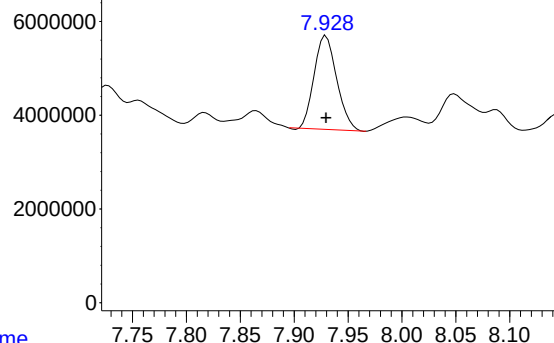
Time Response_ Signal: PD090667.D\ECD2B.ch



#5 Toxaphene-4

R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 247294883
Conc: 505.43 ng/ml

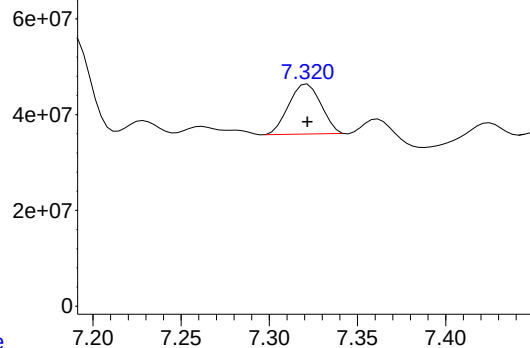
Time Response_ Signal: PD090667.D\ECD1A.ch



#6 Toxaphene-5

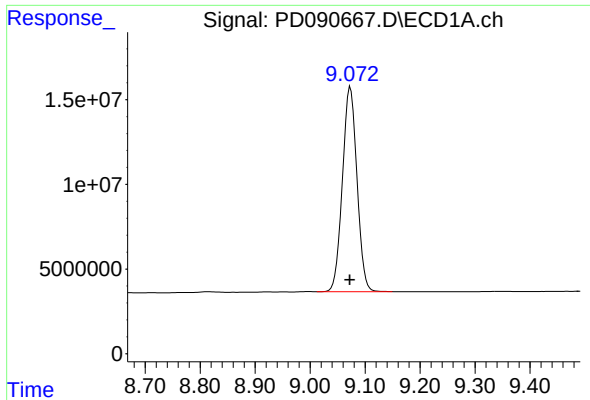
R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 29219348
Conc: 485.05 ng/ml

Time Response_ Signal: PD090667.D\ECD2B.ch



#6 Toxaphene-5

R.T.: 7.320 min
Delta R.T.: -0.001 min
Response: 133404883
Conc: 589.26 ng/ml m



#7 Decachlorobiphenyl

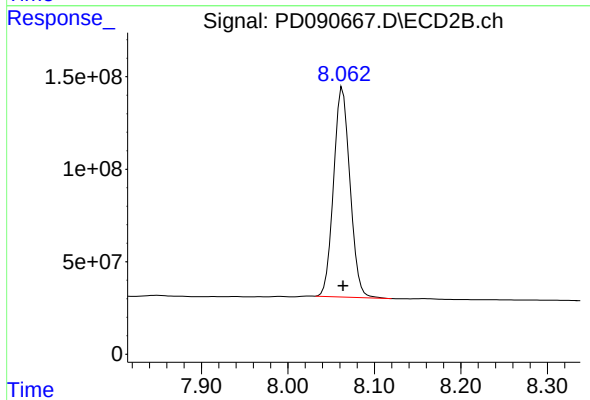
R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 222440569
Conc: 48.10 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
ICVPD101725TOX

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#7 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 1485641961
Conc: 48.57 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.: Q3424

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.: Q3424

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.:** Q3424
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.:** Q3424
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

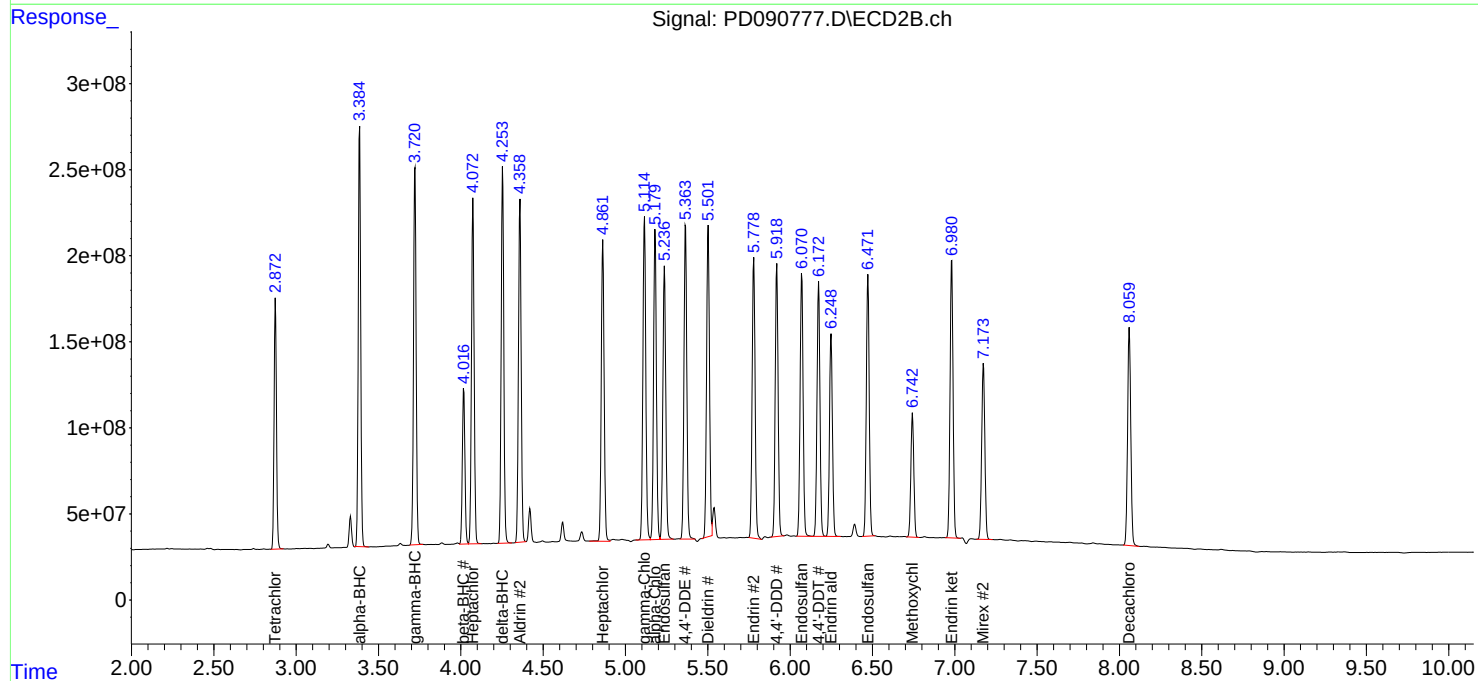
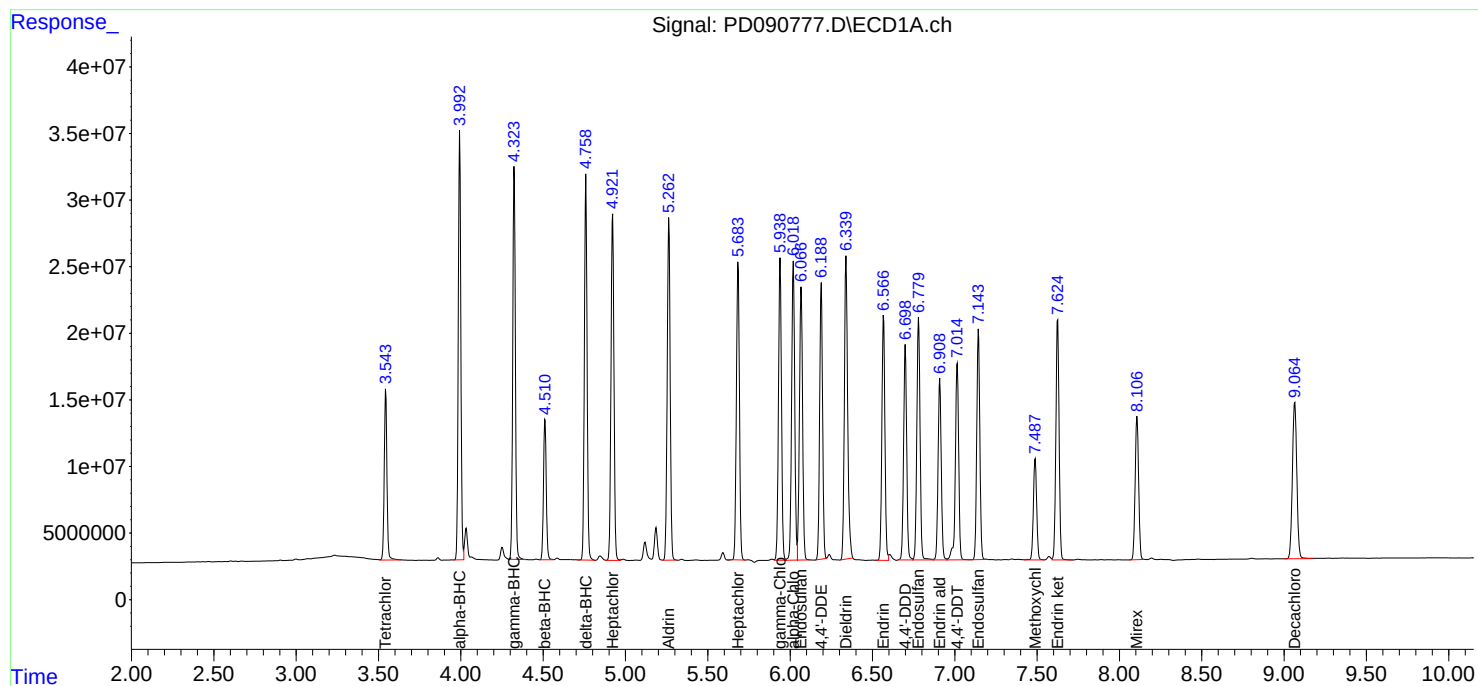
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

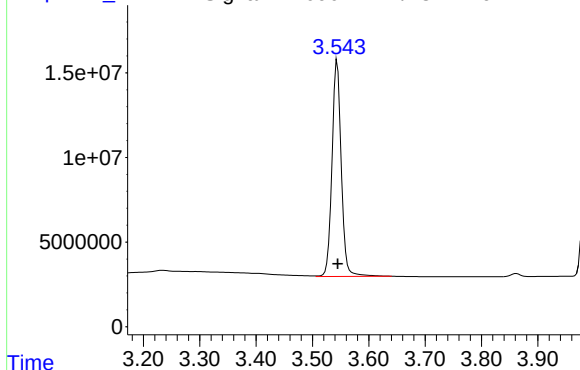
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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

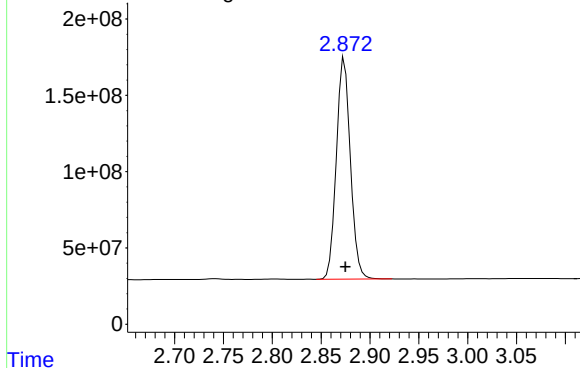


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

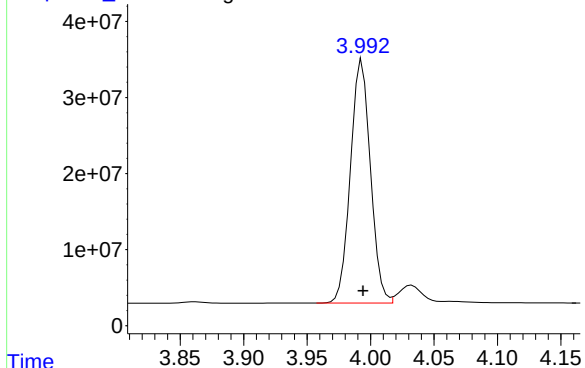
Response_ Signal: PD090777.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

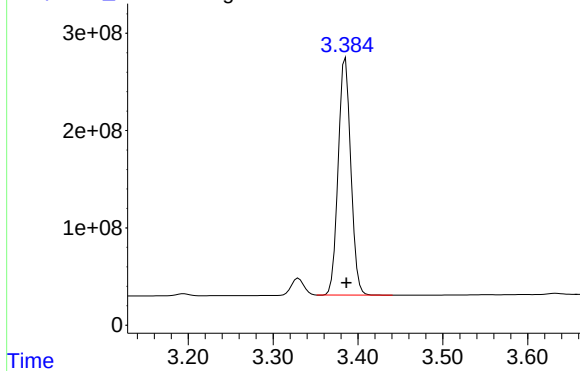
Response_ Signal: PD090777.D\ECD1A.ch



#2 alpha-BHC

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

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

Response_

Signal: PD090777.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min

Delta R.T.: 0.000 min

Response: 331077632

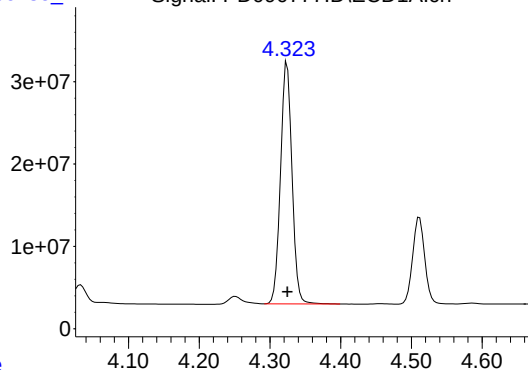
Conc: 48.70 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



Time

Response

Signal: PD090777.D\ECD2B.ch

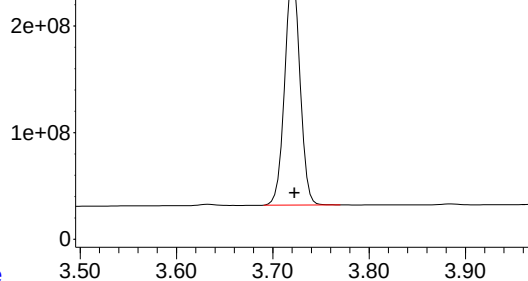
#3 gamma-BHC (Lindane)

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

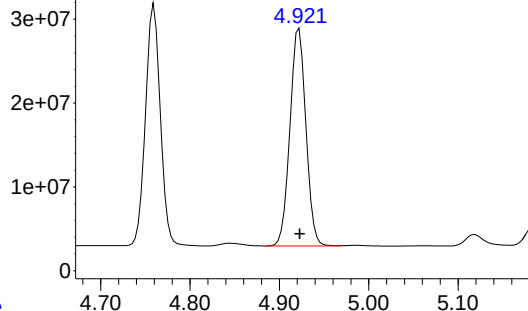
#4 Heptachlor

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

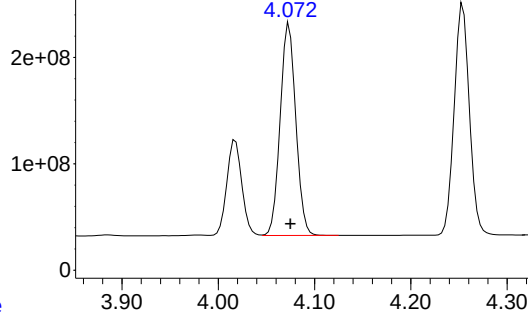
#4 Heptachlor

R.T.: 4.074 min

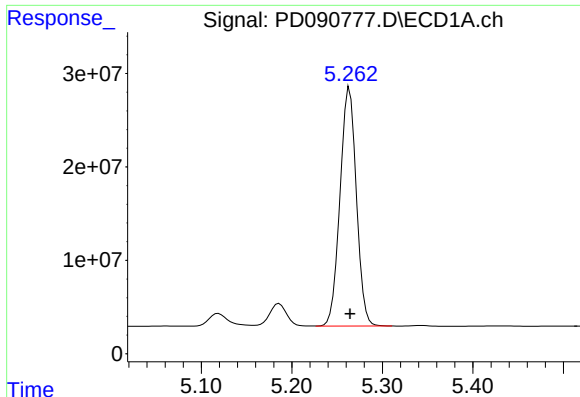
Delta R.T.: -0.001 min

Response: 2254880699

Conc: 50.55 ng/ml



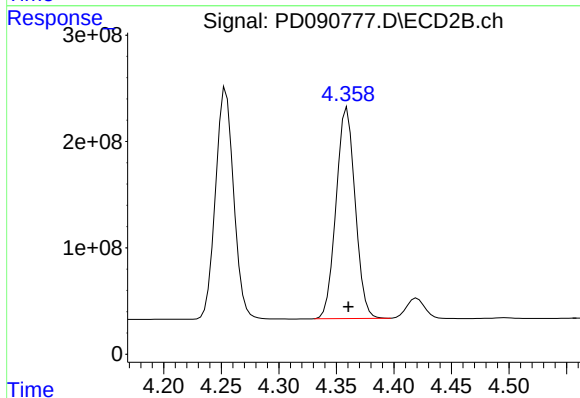
Time



#5 Aldrin

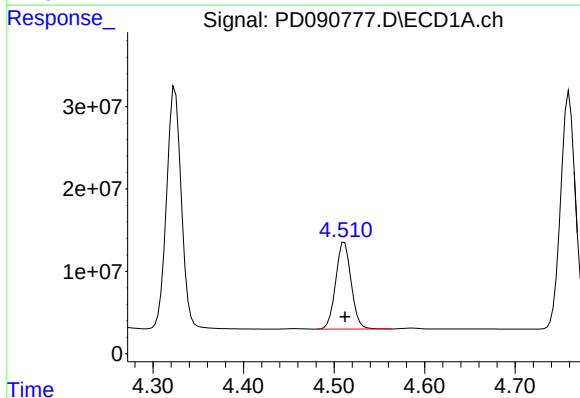
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 320744754
Conc: 48.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



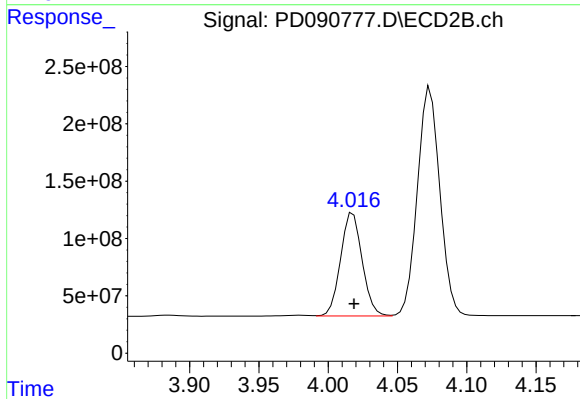
#5 Aldrin

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



#6 beta-BHC

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

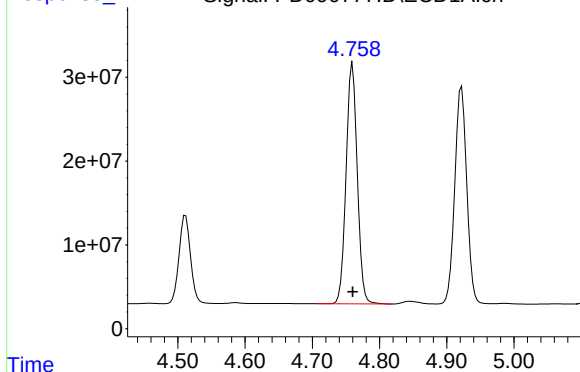


#6 beta-BHC

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

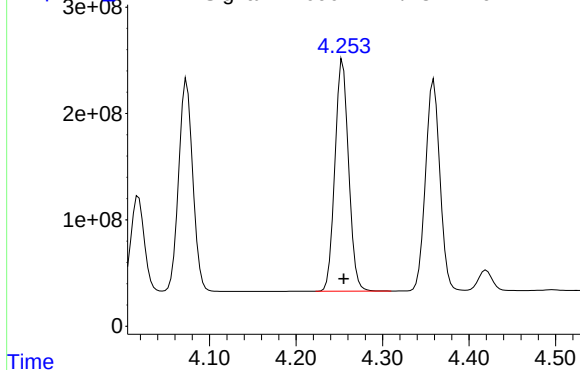


R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 332101981
Conc: 49.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time Response_ Signal: PD090777.D\ECD2B.ch

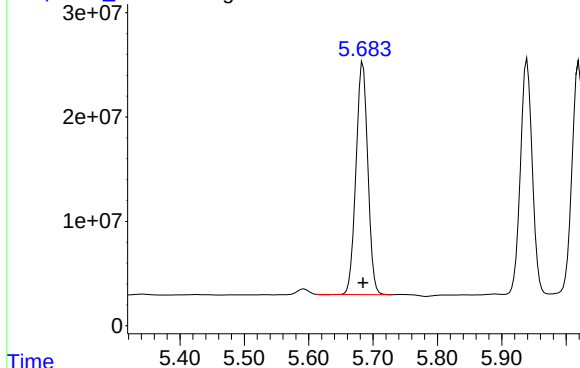
#7 delta-BHC



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

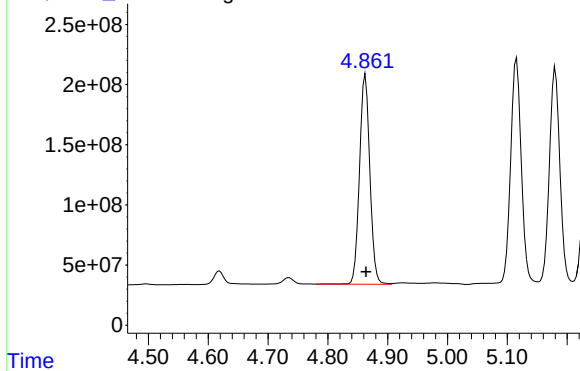
#8 Heptachlor epoxide



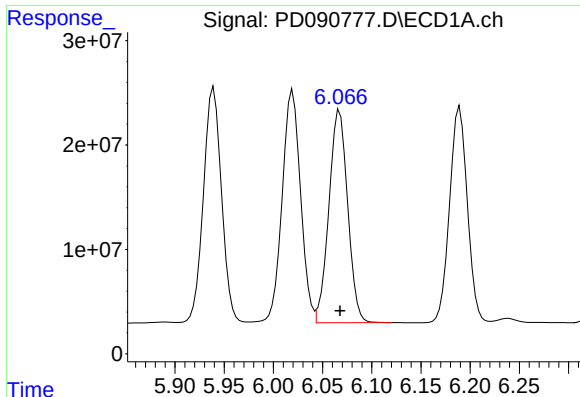
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 284053551
Conc: 49.07 ng/ml

Time Response_ Signal: PD090777.D\ECD2B.ch

#8 Heptachlor epoxide



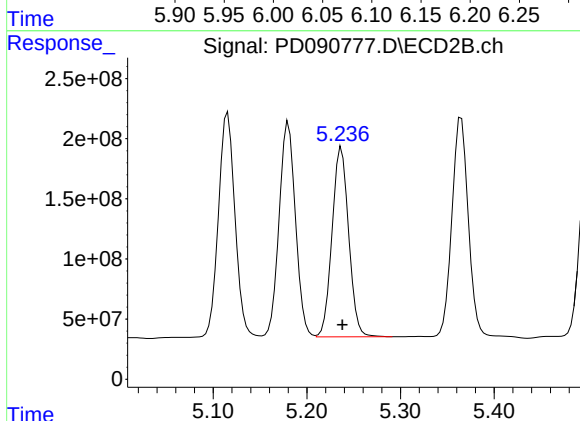
R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 2093127019
Conc: 49.09 ng/ml



#9 Endosulfan I

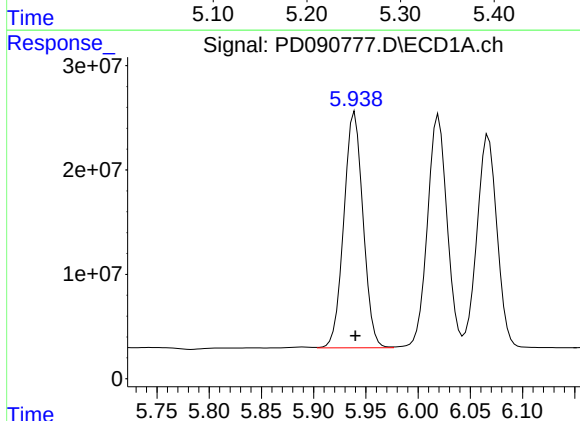
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 270676343
Conc: 48.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



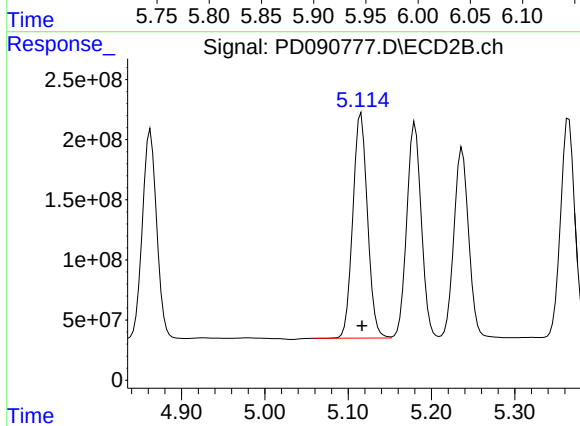
#9 Endosulfan I

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



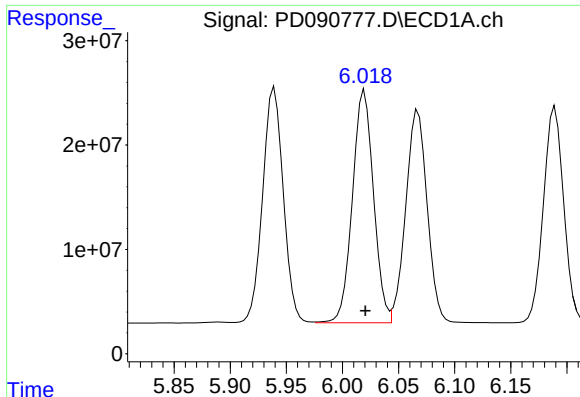
#10 gamma-Chlordane

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



#10 gamma-Chlordane

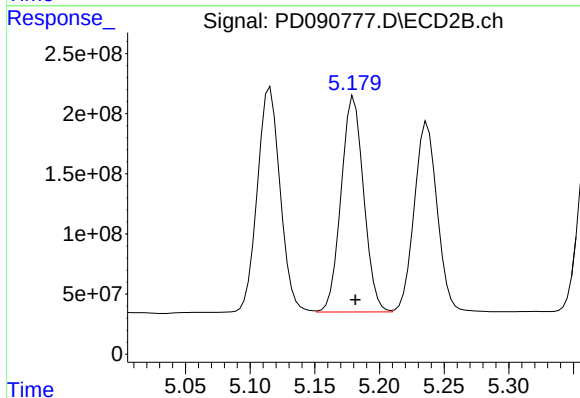
R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 2291760095
Conc: 50.99 ng/ml



#11 alpha-Chlordane

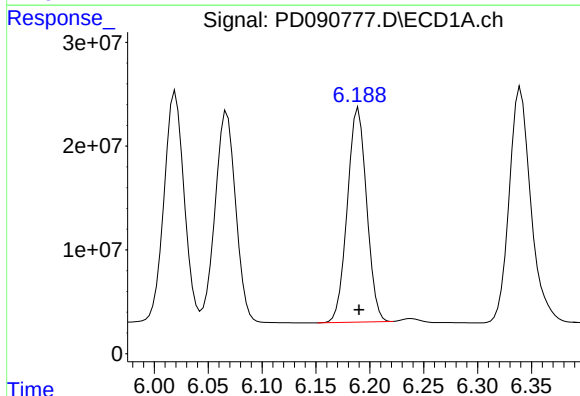
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 291107579
Conc: 47.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



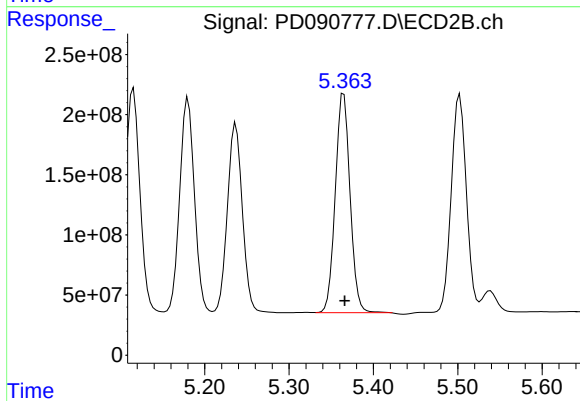
#11 alpha-Chlordane

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



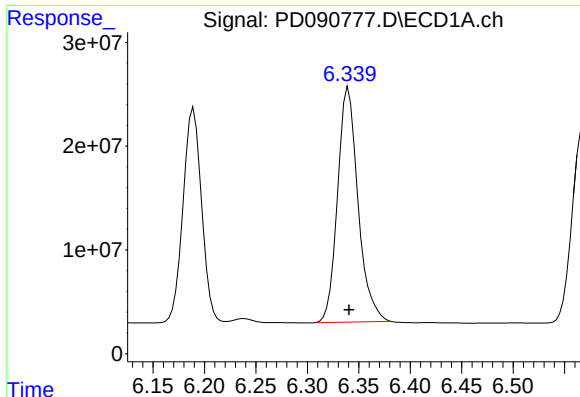
#12 4,4'-DDE

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



#12 4,4'-DDE

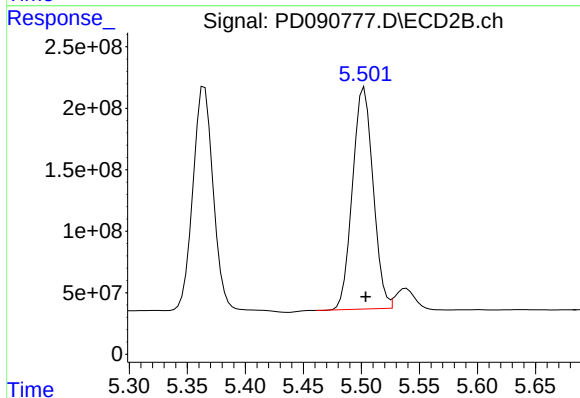
R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 2219002157
Conc: 50.62 ng/ml



#13 Dieldrin

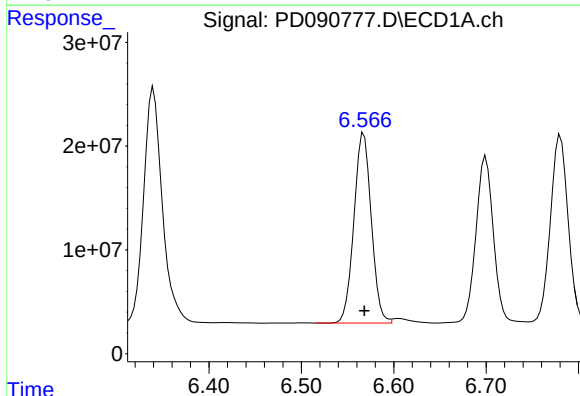
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 313425264
Conc: 53.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



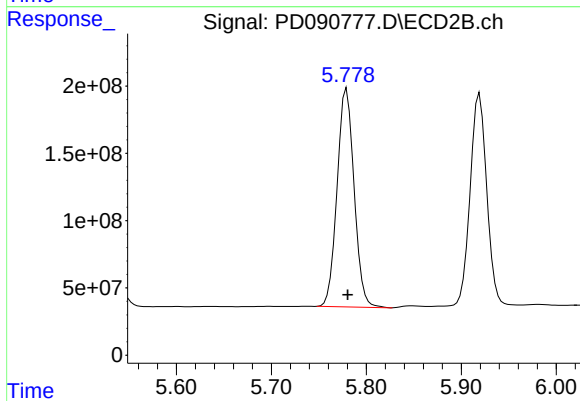
#13 Dieldrin

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



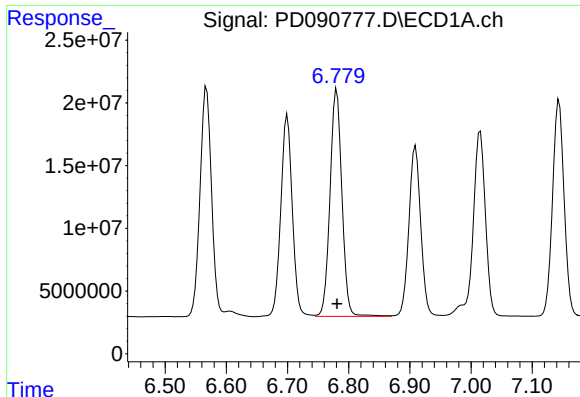
#14 Endrin

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



#14 Endrin

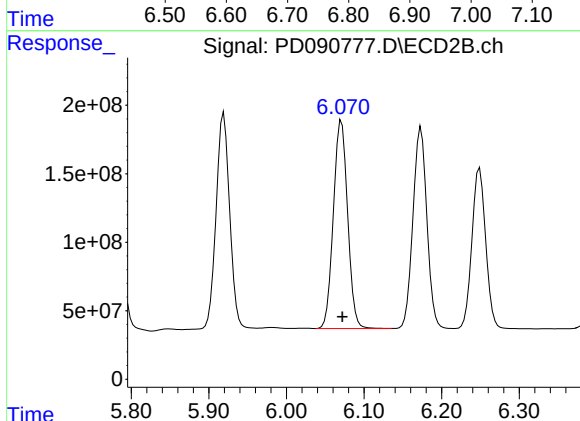
R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2024799496
Conc: 50.00 ng/ml



#15 Endosulfan II

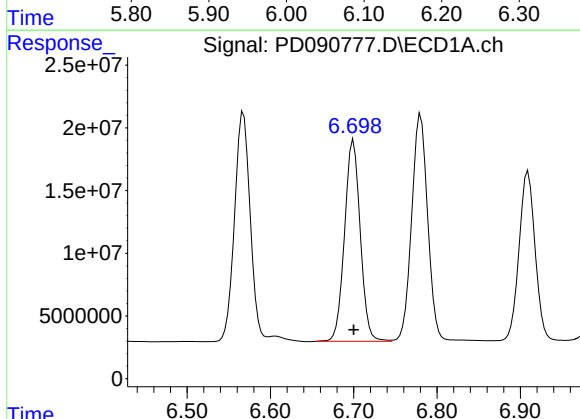
R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 244618268
Conc: 48.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



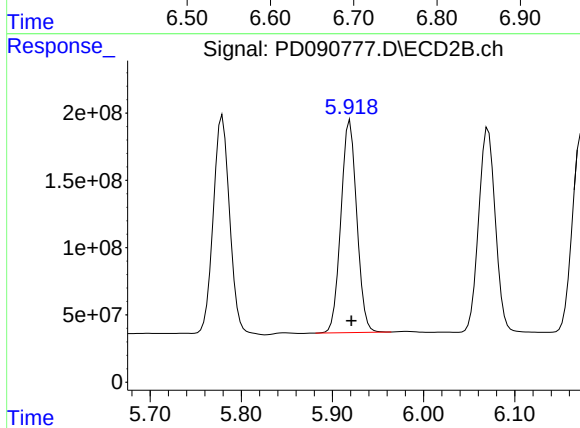
#15 Endosulfan II

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



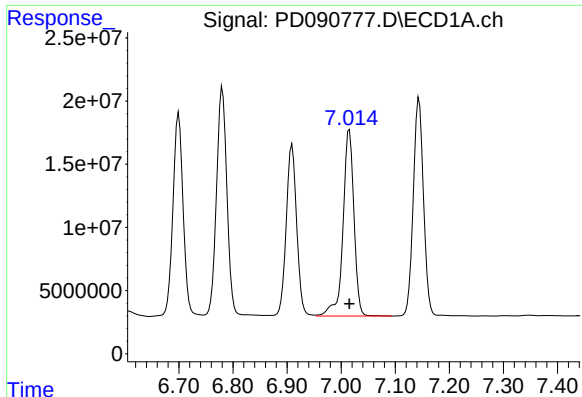
#16 4,4'-DDD

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



#16 4,4'-DDD

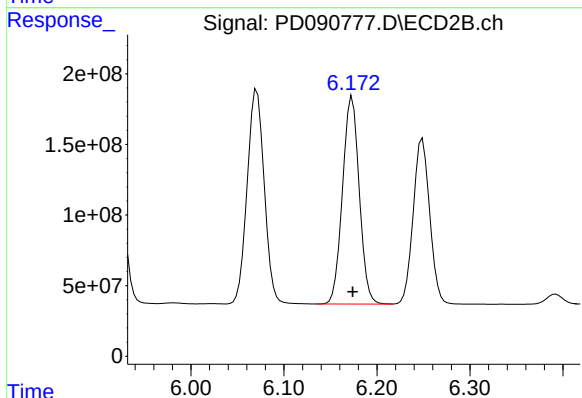
R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1907137566
Conc: 52.34 ng/ml



#17 4,4'-DDT

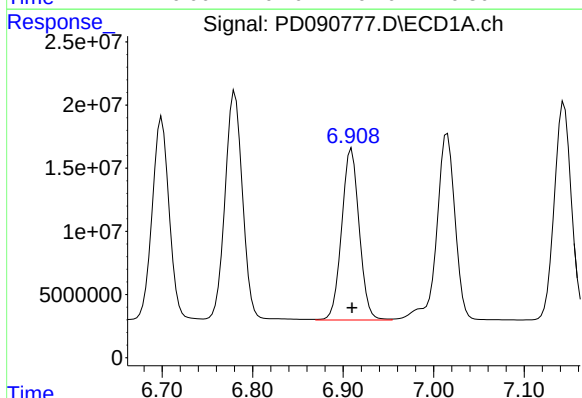
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 207782053
Conc: 50.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



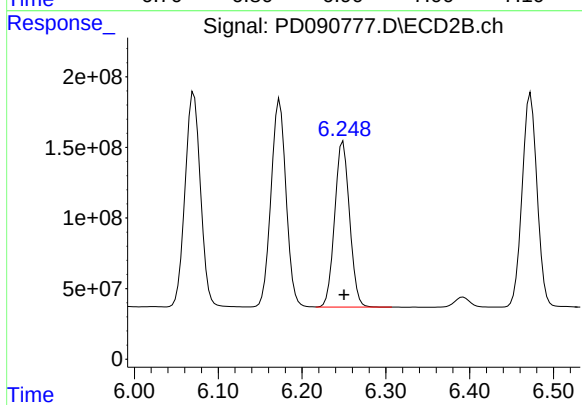
#17 4,4'-DDT

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



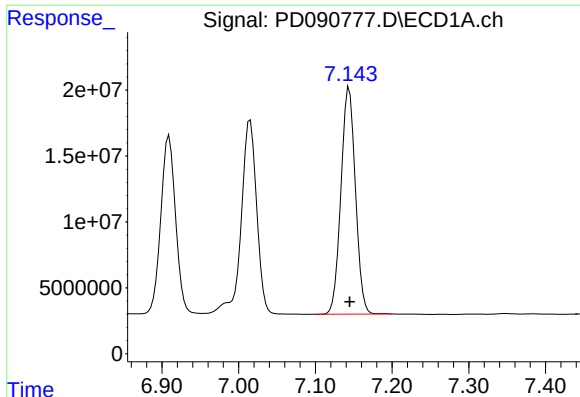
#18 Endrin aldehyde

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



#18 Endrin aldehyde

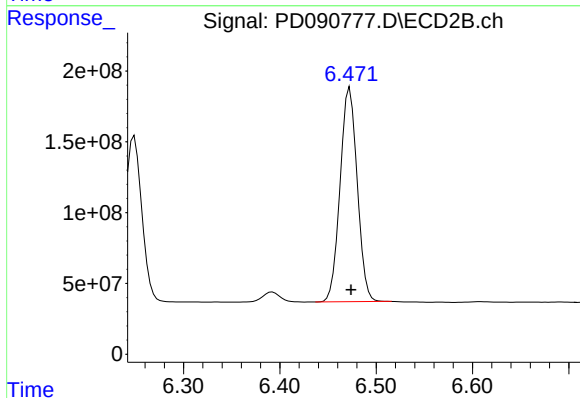
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1446313412
Conc: 52.23 ng/ml



#19 Endosulfan Sulfate

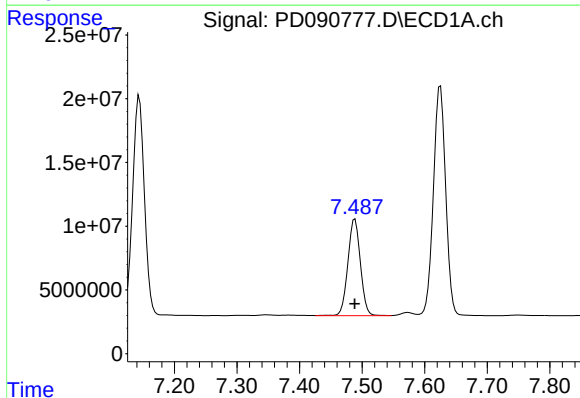
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 226189294
Conc: 48.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



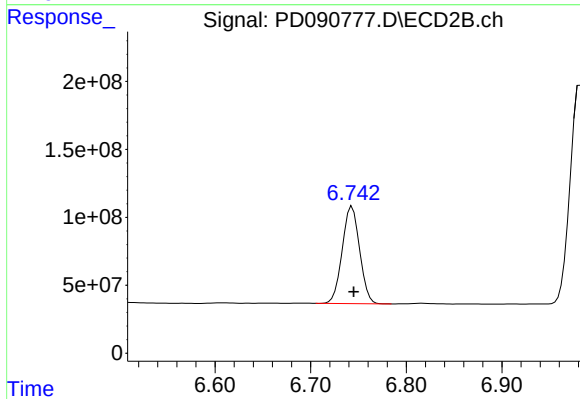
#19 Endosulfan Sulfate

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



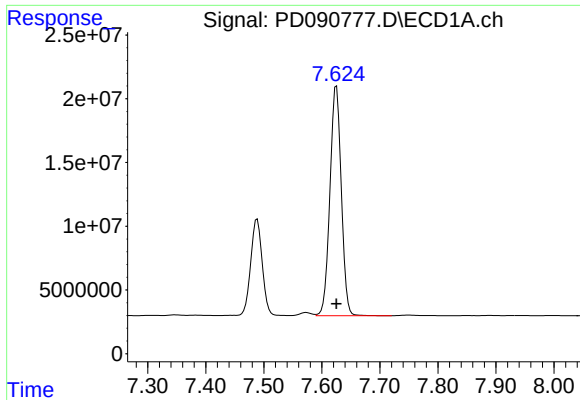
#20 Methoxychlor

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



#20 Methoxychlor

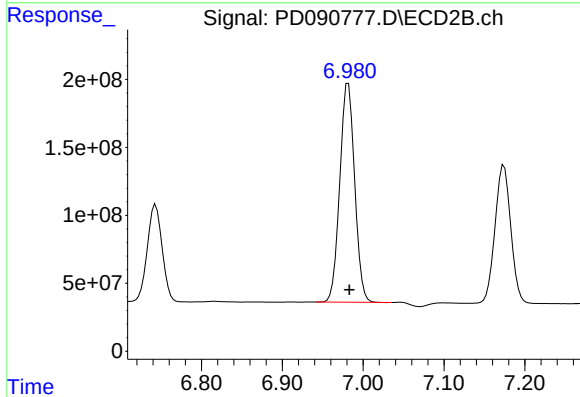
R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 907946899
Conc: 52.10 ng/ml



#21 Endrin ketone

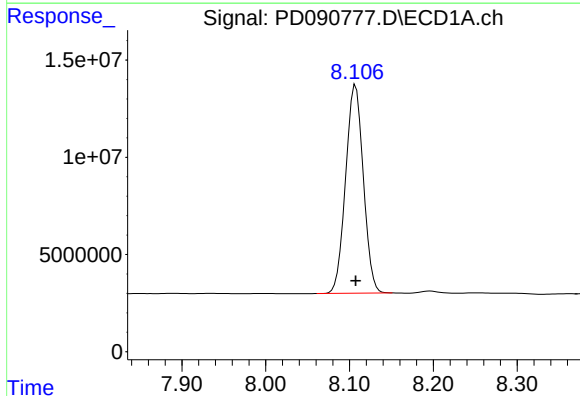
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 244657383
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



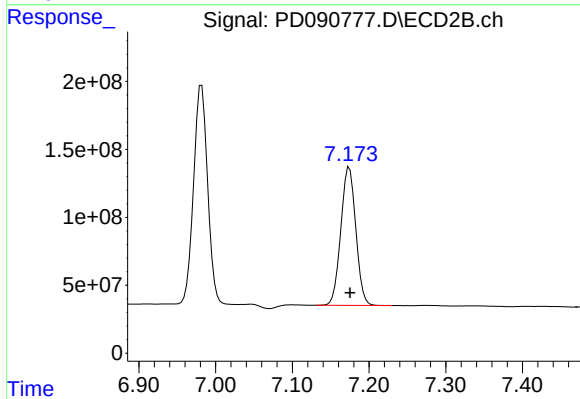
#21 Endrin ketone

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



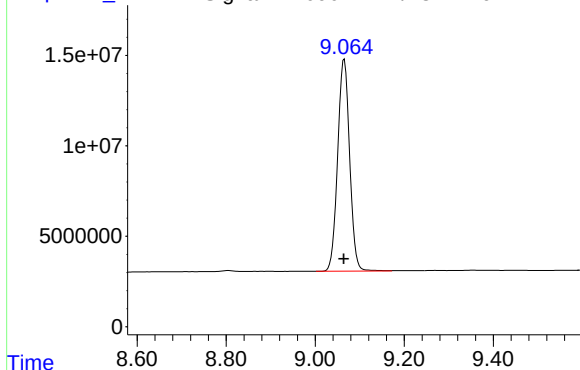
#22 Mirex

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

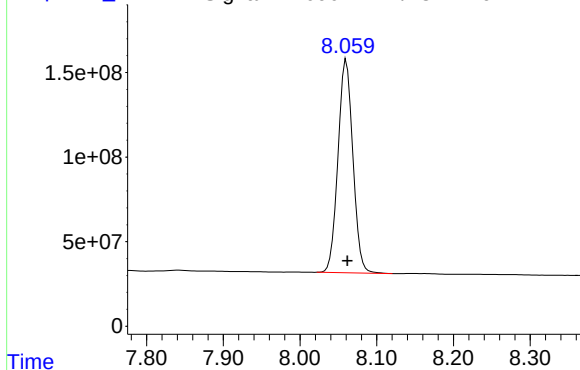
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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.: Q3424

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.: Q3424

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.:** Q3424
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.:** Q3424
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

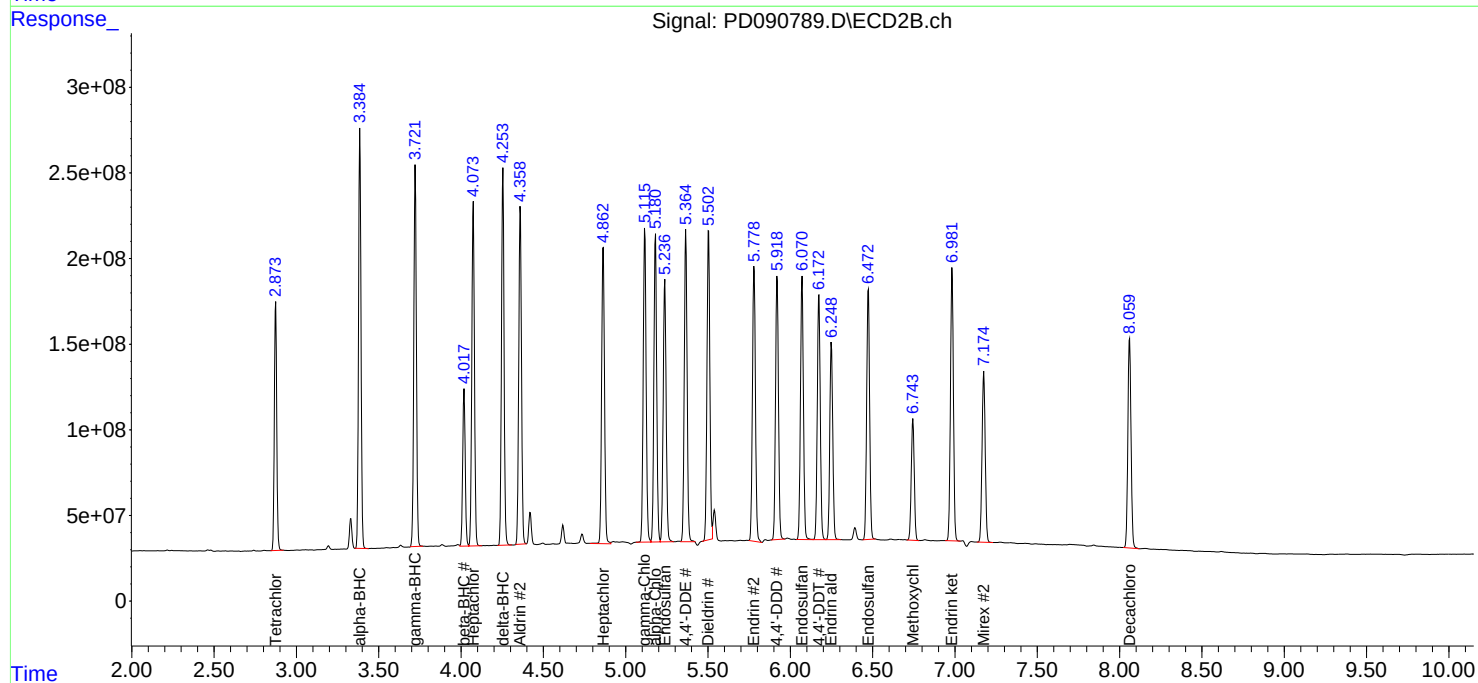
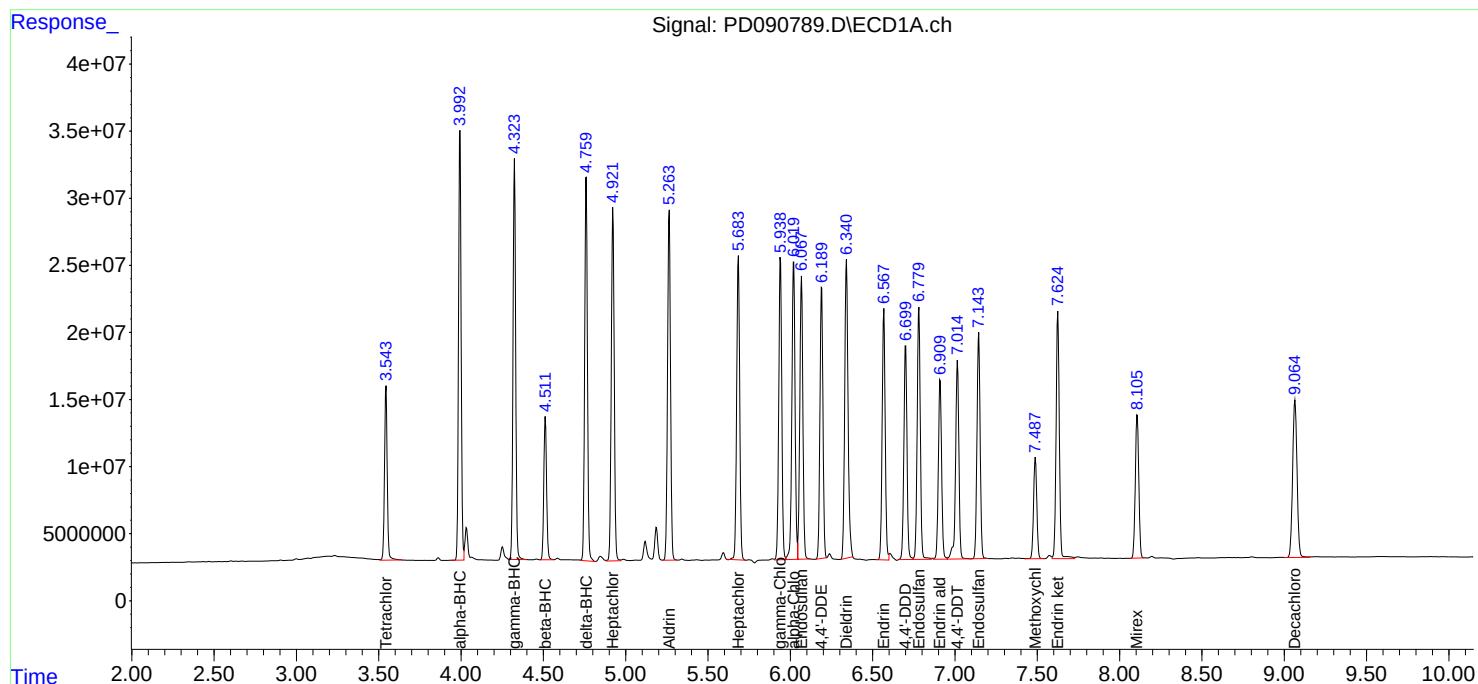
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

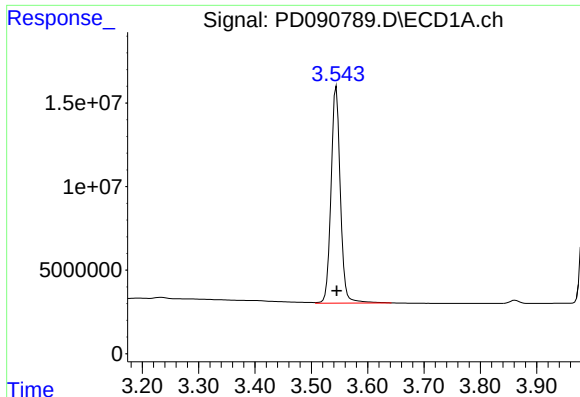
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090789.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

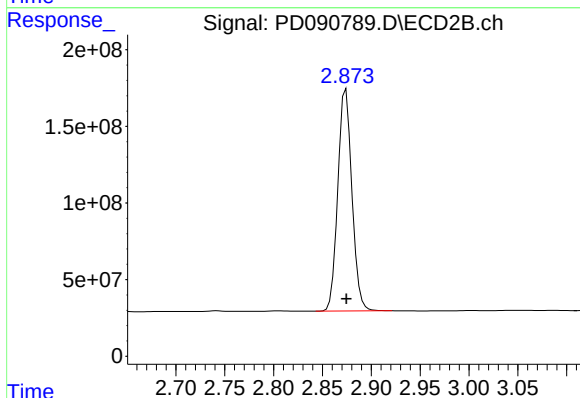




#1 Tetrachloro-m-xylene

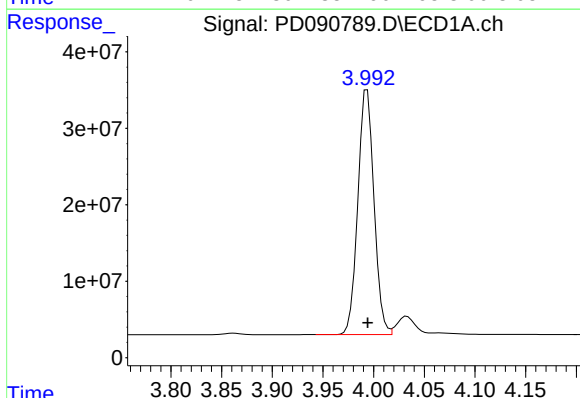
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 149343338
Conc: 47.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



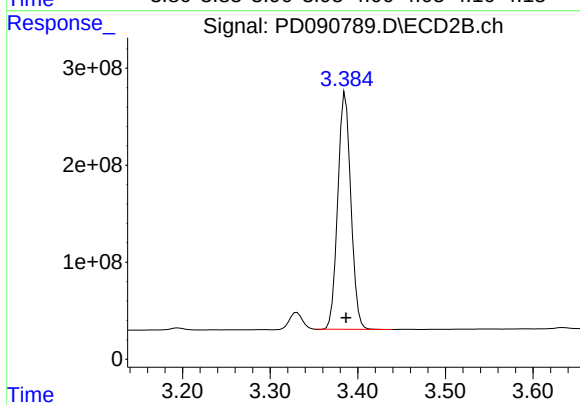
#1 Tetrachloro-m-xylene

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



#2 alpha-BHC

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



#2 alpha-BHC

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

Response_

Signal: PD090789.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 335528304

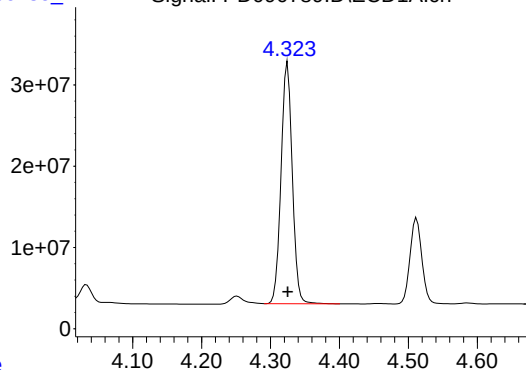
Conc: 49.35 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



Time

Response

Signal: PD090789.D\ECD2B.ch

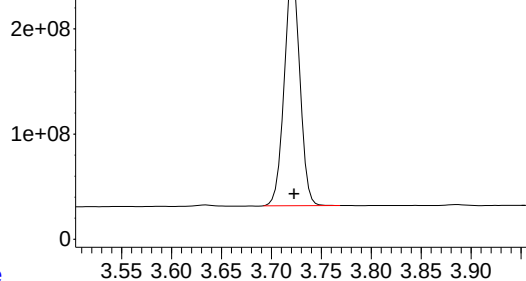
#3 gamma-BHC (Lindane)

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

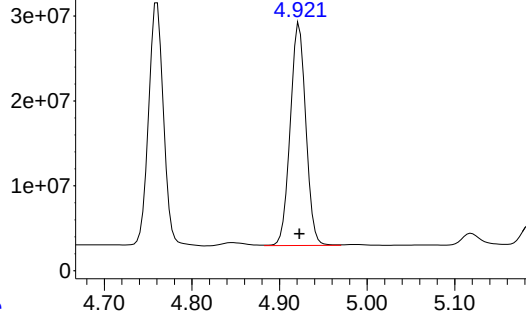
#4 Heptachlor

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

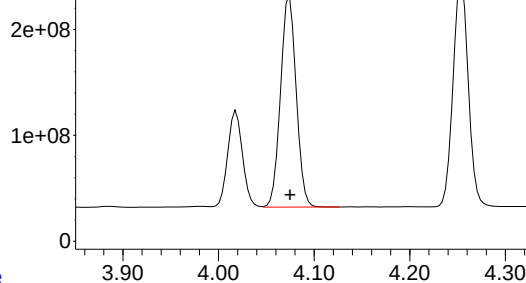
#4 Heptachlor

R.T.: 4.074 min

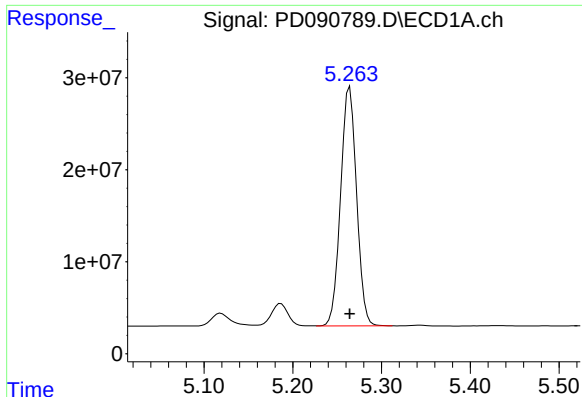
Delta R.T.: 0.000 min

Response: 2259556830

Conc: 50.66 ng/ml



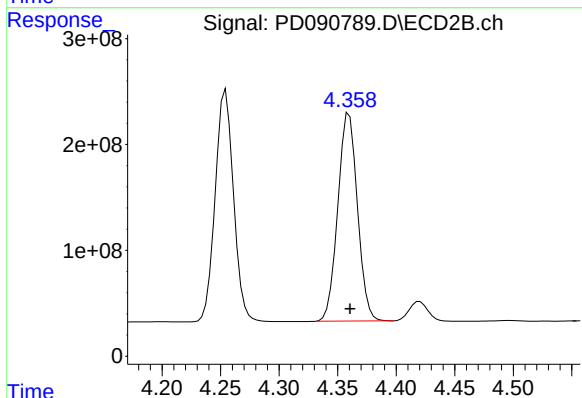
Time



#5 Aldrin

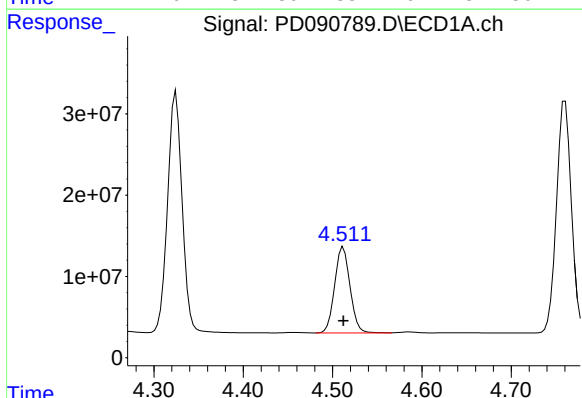
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 325273605
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



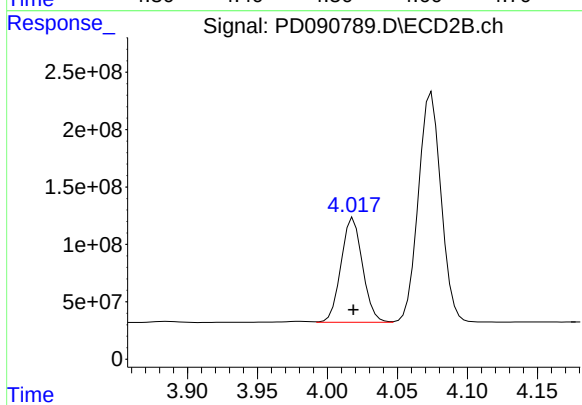
#5 Aldrin

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



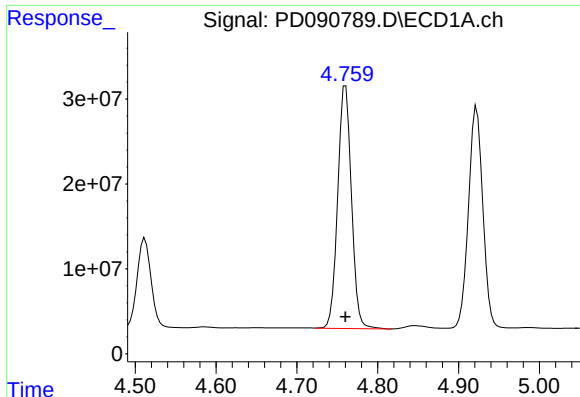
#6 beta-BHC

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



#6 beta-BHC

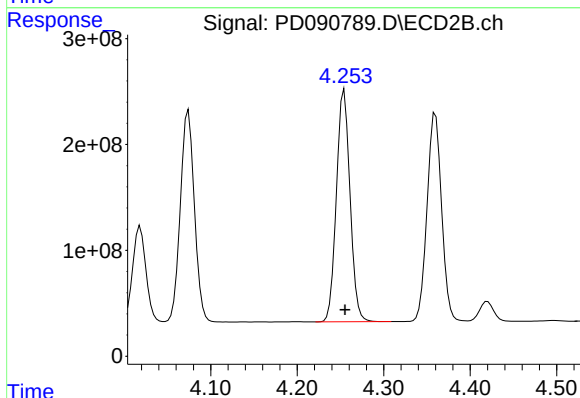
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 974531476
Conc: 49.15 ng/ml



#7 delta-BHC

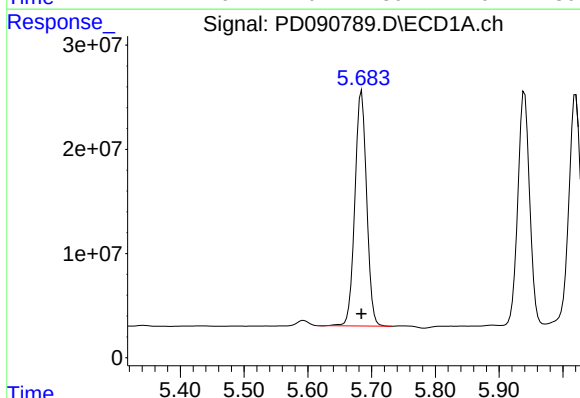
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 337239419
Conc: 49.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



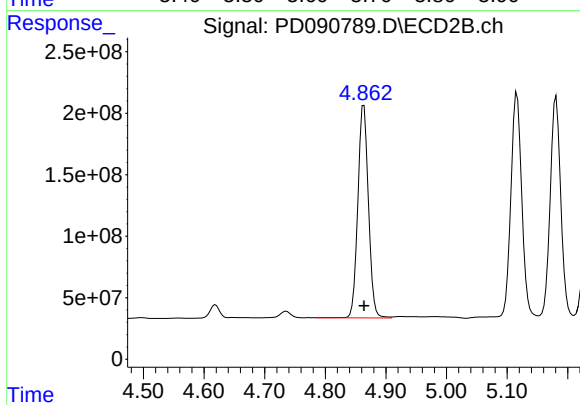
#7 delta-BHC

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



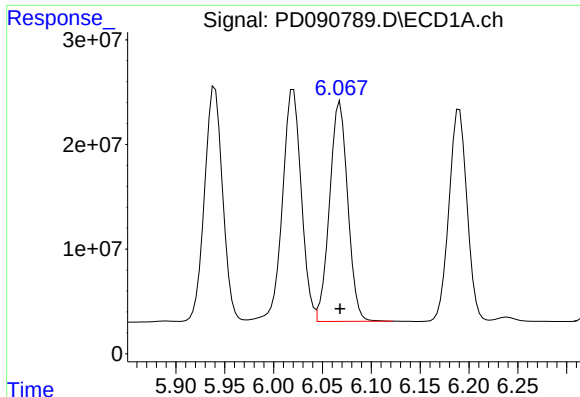
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

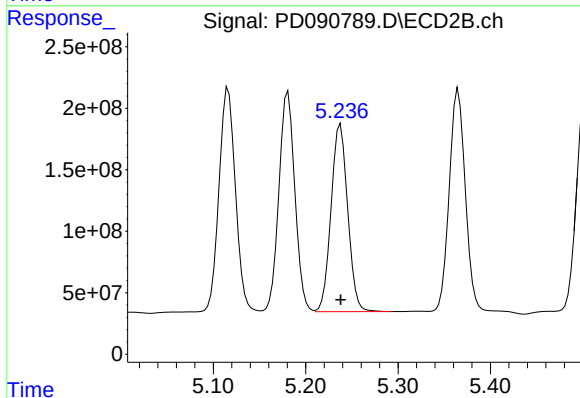
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2097656580
Conc: 49.20 ng/ml



#9 Endosulfan I

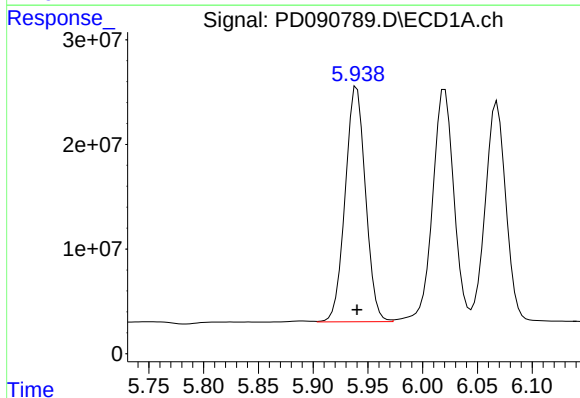
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272318231
Conc: 49.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



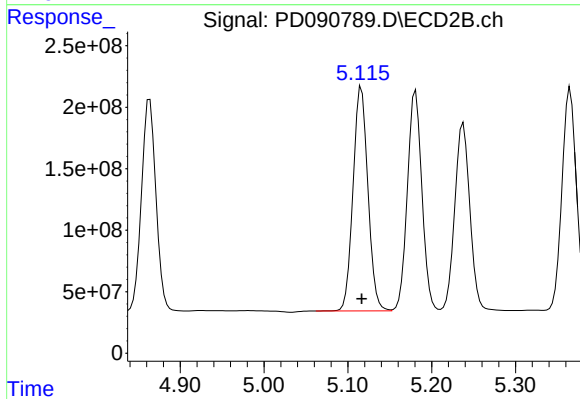
#9 Endosulfan I

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



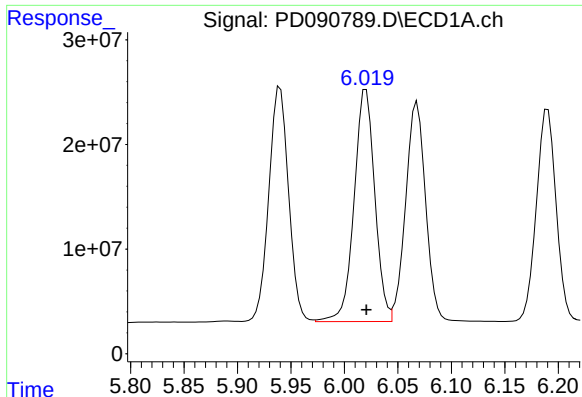
#10 gamma-Chlordane

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



#10 gamma-Chlordane

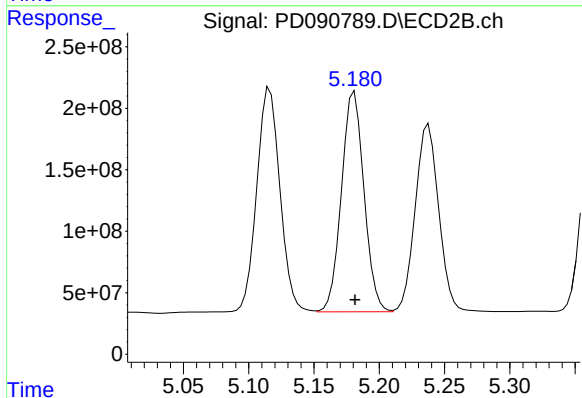
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2252583078
Conc: 50.11 ng/ml



#11 alpha-Chlordane

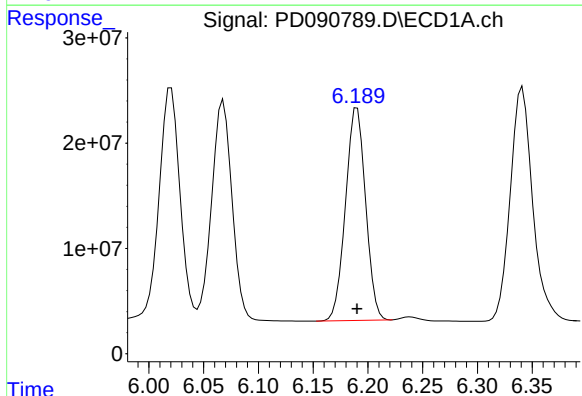
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 298920369
Conc: 48.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



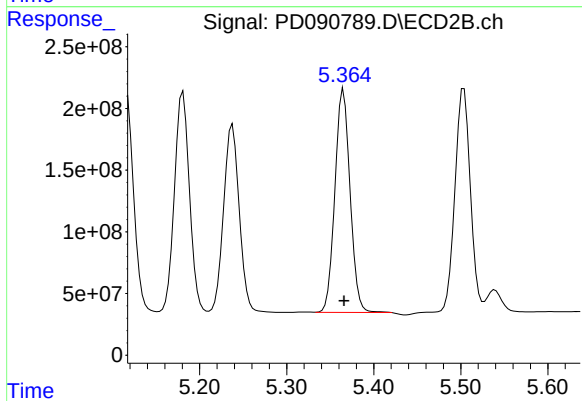
#11 alpha-Chlordane

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



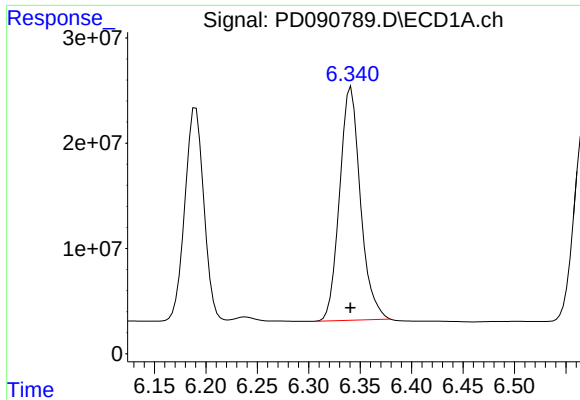
#12 4,4'-DDE

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



#12 4,4'-DDE

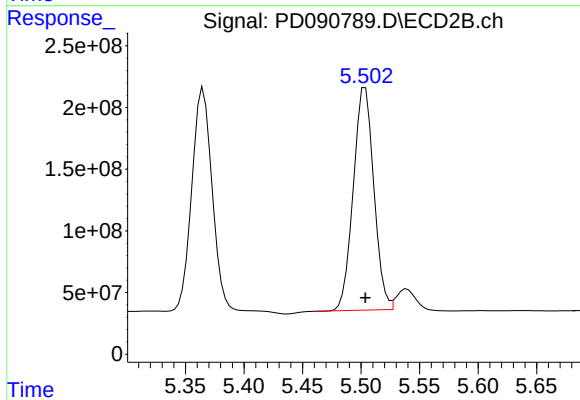
R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2195554517
Conc: 50.08 ng/ml



#13 Dieldrin

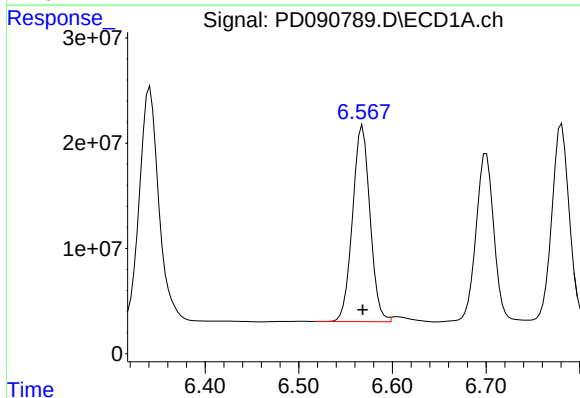
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 312702503
Conc: 53.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



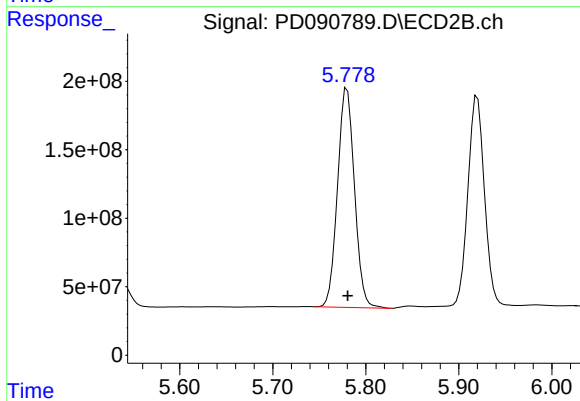
#13 Dieldrin

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



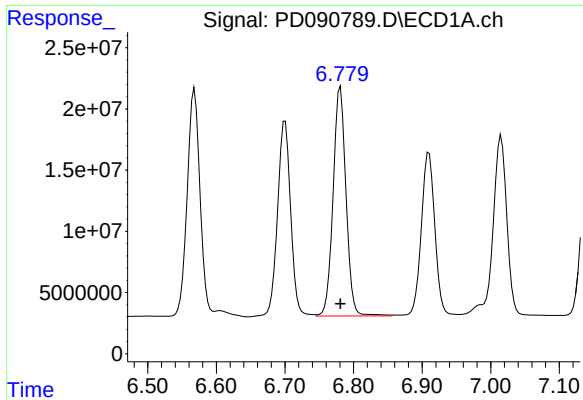
#14 Endrin

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



#14 Endrin

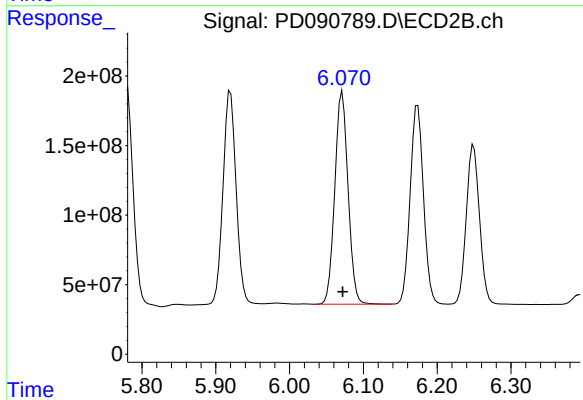
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2029500295
Conc: 50.12 ng/ml



#15 Endosulfan II

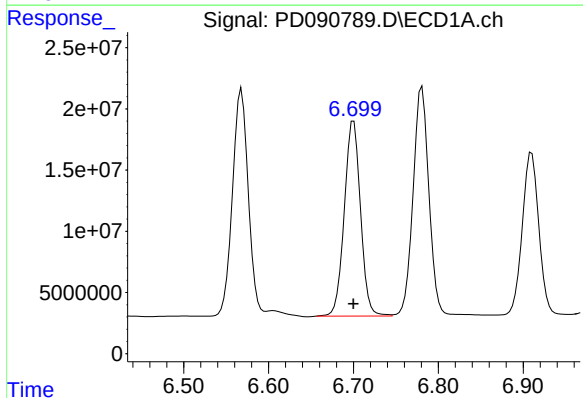
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 245199923
Conc: 49.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



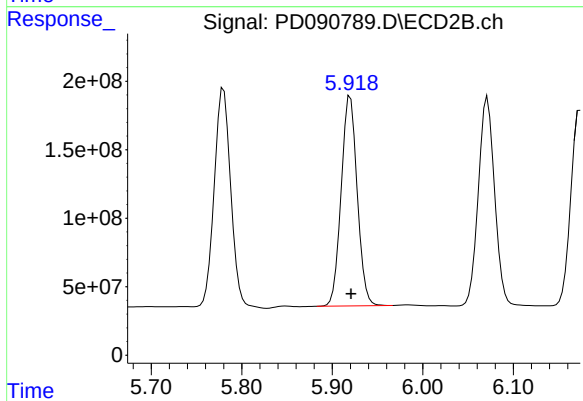
#15 Endosulfan II

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



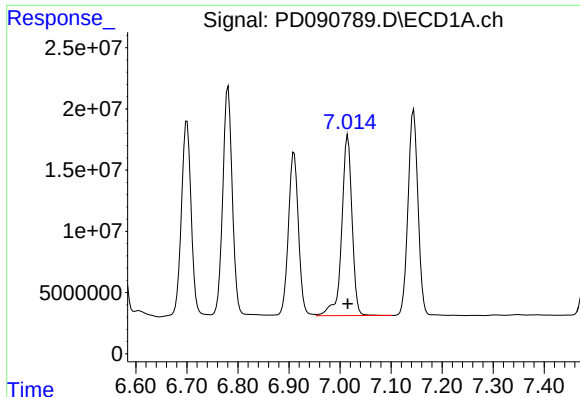
#16 4,4'-DDD

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



#16 4,4'-DDD

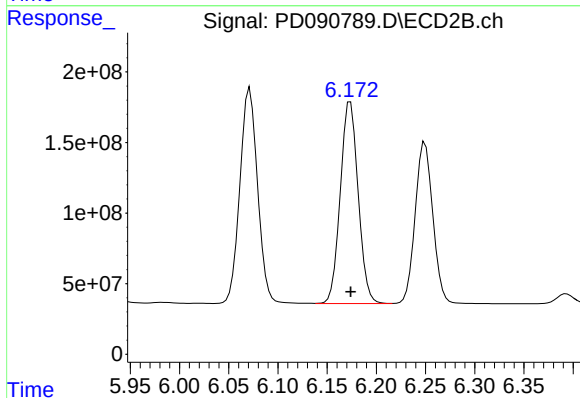
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1887073719
Conc: 51.79 ng/ml



#17 4,4'-DDT

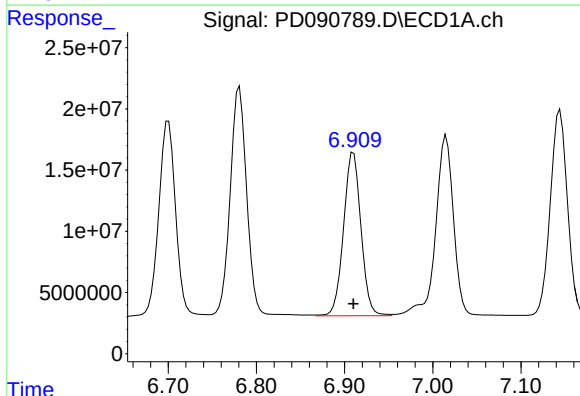
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 206872383
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



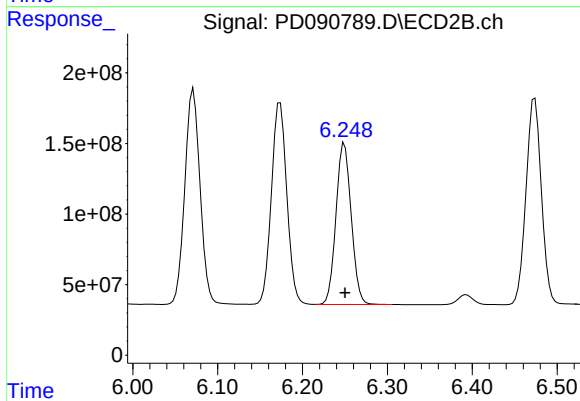
#17 4,4'-DDT

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



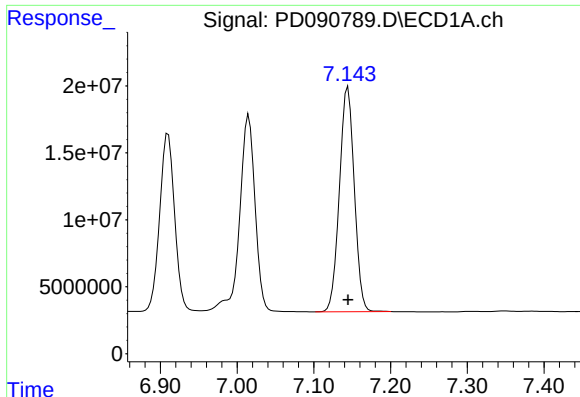
#18 Endrin aldehyde

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



#18 Endrin aldehyde

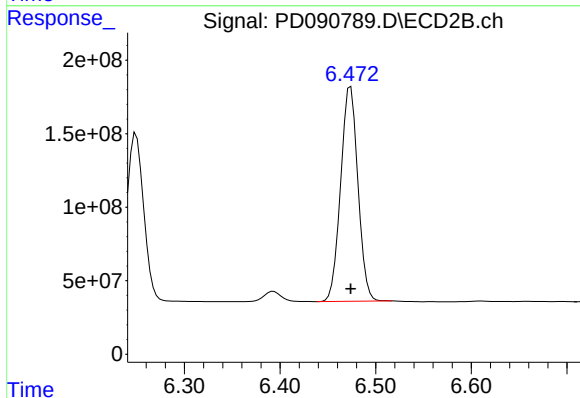
R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1426511527
Conc: 51.51 ng/ml



#19 Endosulfan Sulfate

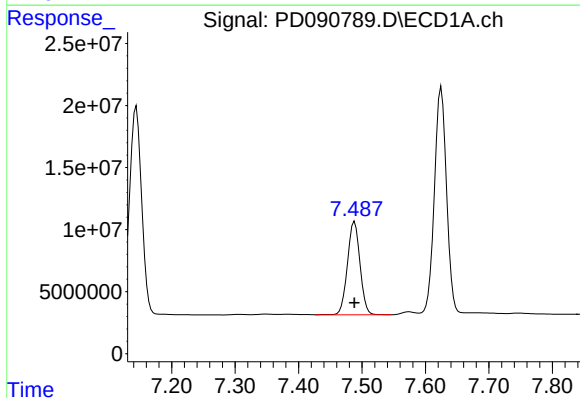
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 226337948
Conc: 48.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



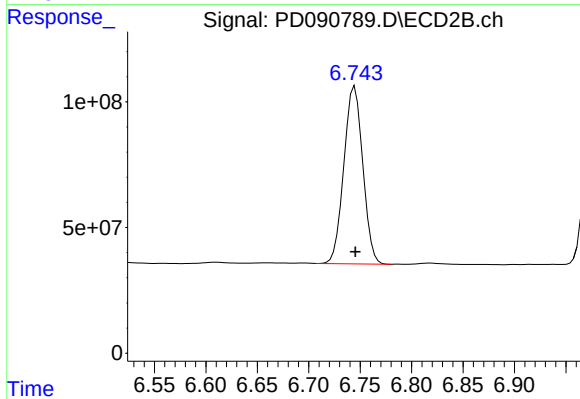
#19 Endosulfan Sulfate

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



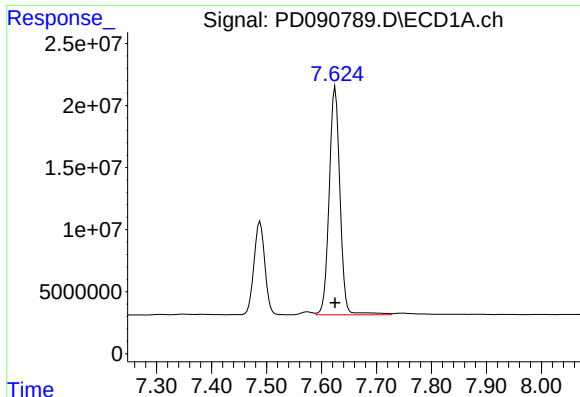
#20 Methoxychlor

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



#20 Methoxychlor

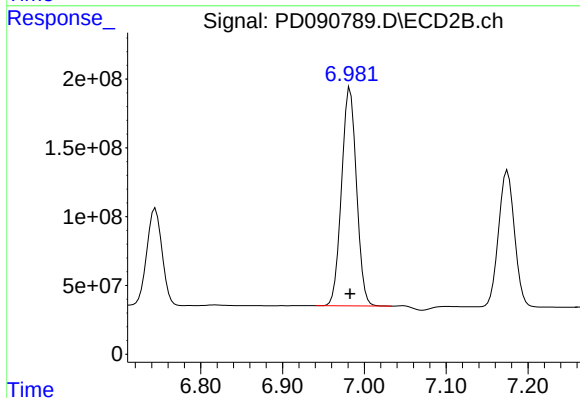
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 905062589
Conc: 51.93 ng/ml



#21 Endrin ketone

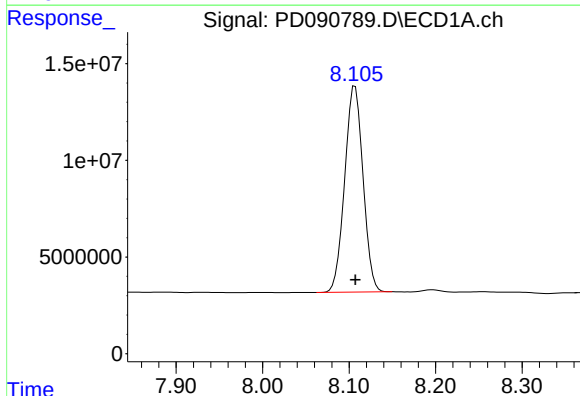
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 250974644
Conc: 51.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



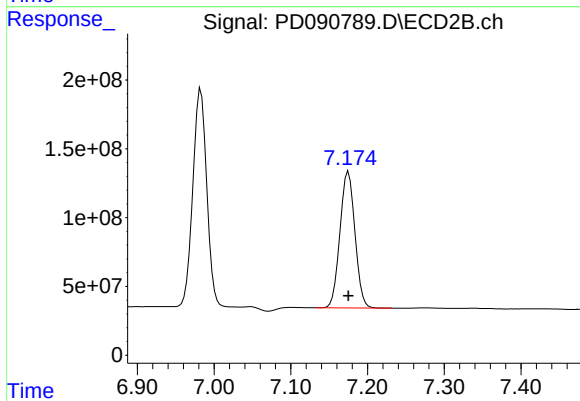
#21 Endrin ketone

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



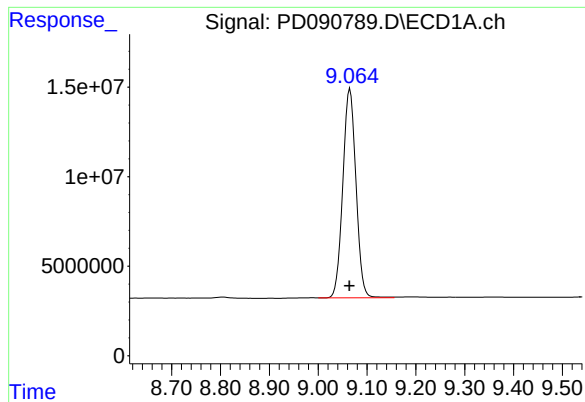
#22 Mirex

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



#22 Mirex

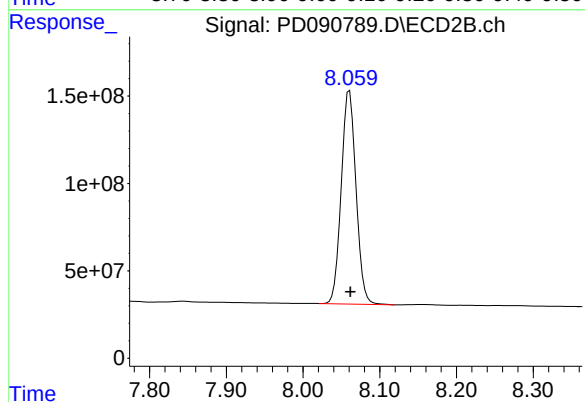
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1346333596
Conc: 52.41 ng/ml



#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



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.: Q3424

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 18:36

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	9.06	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.: Q3424

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 18:36

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	5.36	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	0.01



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.:** Q3424
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	52.820	50.000	5.6
4,4'-DDE	6.189	6.090	6.290	49.000	50.000	-2.0
4,4'-DDT	7.015	6.915	7.115	47.740	50.000	-4.5
Aldrin	5.263	5.164	5.364	49.600	50.000	-0.8
alpha-BHC	3.993	3.894	4.094	49.450	50.000	-1.1
alpha-Chlordane	6.020	5.921	6.121	49.100	50.000	-1.8
beta-BHC	4.511	4.412	4.612	48.380	50.000	-3.2
Decachlorobiphenyl	9.064	8.964	9.164	47.010	50.000	-6.0
delta-BHC	4.759	4.660	4.860	49.640	50.000	-0.7
Dieldrin	6.340	6.240	6.440	54.270	50.000	8.5
Endosulfan I	6.068	5.968	6.168	49.700	50.000	-0.6
Endosulfan II	6.780	6.681	6.881	49.880	50.000	-0.2
Endosulfan sulfate	7.143	7.045	7.245	49.320	50.000	-1.4
Endrin	6.567	6.468	6.668	48.530	50.000	-2.9
Endrin aldehyde	6.909	6.810	7.010	50.270	50.000	0.5
Endrin ketone	7.625	7.525	7.725	50.700	50.000	1.4
gamma-BHC (Lindane)	4.324	4.225	4.425	49.270	50.000	-1.5
gamma-Chlordane	5.939	5.840	6.040	50.230	50.000	0.5
Heptachlor	4.922	4.823	5.023	55.240	50.000	10.5
Heptachlor epoxide	5.683	5.584	5.784	49.580	50.000	-0.8
Methoxychlor	7.488	7.388	7.588	45.340	50.000	-9.3
Tetrachloro-m-xylene	3.544	3.445	3.645	47.720	50.000	-4.6



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.:** Q3424
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	51.950	50.000	3.9
4,4'-DDE	5.364	5.266	5.466	50.110	50.000	0.2
4,4'-DDT	6.173	6.074	6.274	48.800	50.000	-2.4
Aldrin	4.359	4.261	4.461	49.310	50.000	-1.4
alpha-BHC	3.386	3.287	3.487	49.360	50.000	-1.3
alpha-Chlordane	5.180	5.081	5.281	49.790	50.000	-0.4
beta-BHC	4.018	3.919	4.119	48.800	50.000	-2.4
Decachlorobiphenyl	8.060	7.962	8.162	54.790	50.000	9.6
delta-BHC	4.253	4.155	4.355	49.840	50.000	-0.3
Dieldrin	5.503	5.404	5.604	49.980	50.000	0.0
Endosulfan I	5.237	5.138	5.338	48.550	50.000	-2.9
Endosulfan II	6.071	5.972	6.172	51.000	50.000	2.0
Endosulfan sulfate	6.473	6.374	6.574	51.100	50.000	2.2
Endrin	5.780	5.681	5.881	49.620	50.000	-0.8
Endrin aldehyde	6.249	6.150	6.350	51.270	50.000	2.5
Endrin ketone	6.982	6.883	7.083	53.510	50.000	7.0
gamma-BHC (Lindane)	3.721	3.623	3.823	50.610	50.000	1.2
gamma-Chlordane	5.115	5.017	5.217	50.150	50.000	0.3
Heptachlor	4.073	3.975	4.175	49.040	50.000	-1.9
Heptachlor epoxide	4.863	4.764	4.964	48.920	50.000	-2.2
Methoxychlor	6.744	6.645	6.845	48.070	50.000	-3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.740	50.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090801.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 18:36
 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 06:18:28 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	148.6E6	1451.3E6	47.717	48.738
28)	SA Decachlor...	9.064	8.060	219.9E6	1659.5E6	47.013	54.785
Target Compounds							
2)	A alpha-BHC	3.993	3.386	354.9E6	2522.1E6	49.450	49.360
3)	MA gamma-BHC...	4.324	3.721	335.0E6	2391.1E6	49.268	50.606
4)	MA Heptachlor	4.922	4.073	308.8E6	2187.3E6	55.242	49.039
5)	MB Aldrin	5.263	4.359	324.8E6	2284.1E6	49.604	49.313
6)	B beta-BHC	4.511	4.018	126.7E6	967.7E6	48.381	48.802
7)	B delta-BHC	4.759	4.253	335.6E6	2378.0E6	49.636	49.835
8)	B Heptachlo...	5.683	4.863	287.0E6	2085.9E6	49.580	48.919
9)	A Endosulfan I	6.068	5.237	275.1E6	1912.6E6	49.696	48.554
10)	B gamma-Chl...	5.939	5.115	297.9E6	2254.1E6	50.226	50.149
11)	B alpha-Chl...	6.020	5.180	303.4E6	2147.6E6	49.095	49.785
12)	B 4,4'-DDE	6.189	5.364	261.0E6	2196.5E6	48.999	50.106
13)	MA Dieldrin	6.340	5.503	316.4E6	2208.2E6	54.266	49.978
14)	MA Endrin	6.567	5.780	240.4E6	2009.3E6	48.527	49.619
15)	B Endosulfa...	6.780	6.071	249.4E6	1915.5E6	49.878	51.004
16)	A 4,4'-DDD	6.699	5.919	214.1E6	1893.0E6	52.822	51.952
17)	MA 4,4'-DDT	7.015	6.173	196.2E6	1711.4E6	47.739	48.796
18)	B Endrin al...	6.909	6.249	184.1E6	1419.8E6	50.271	51.270
19)	B Endosulfa...	7.143	6.473	228.8E6	1831.5E6	49.322	51.095
20)	A Methoxychlor	7.488	6.744	96369018	837.8E6	45.338	48.074
21)	B Endrin ke...	7.625	6.982	246.4E6	2018.1E6	50.703	53.506
22)	Mirex	8.107	7.174	158.2E6	1360.0E6	49.418	52.936

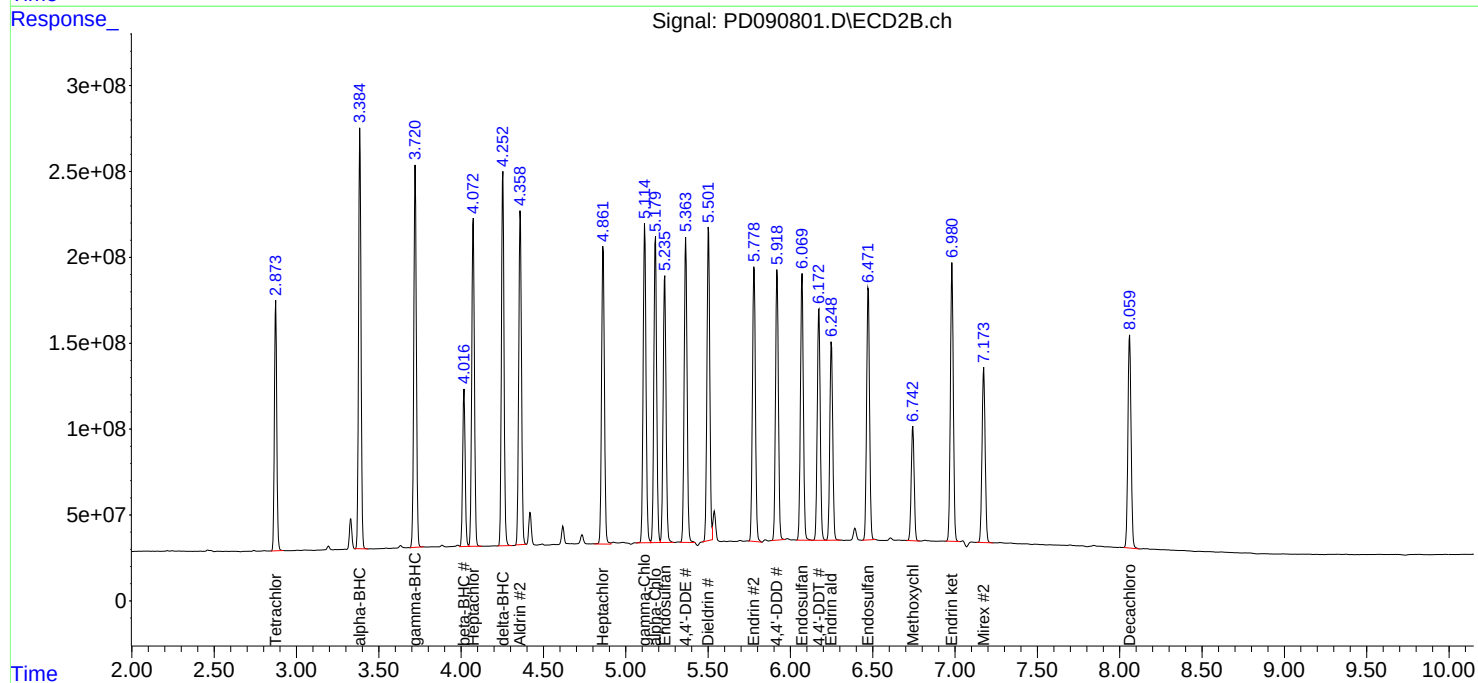
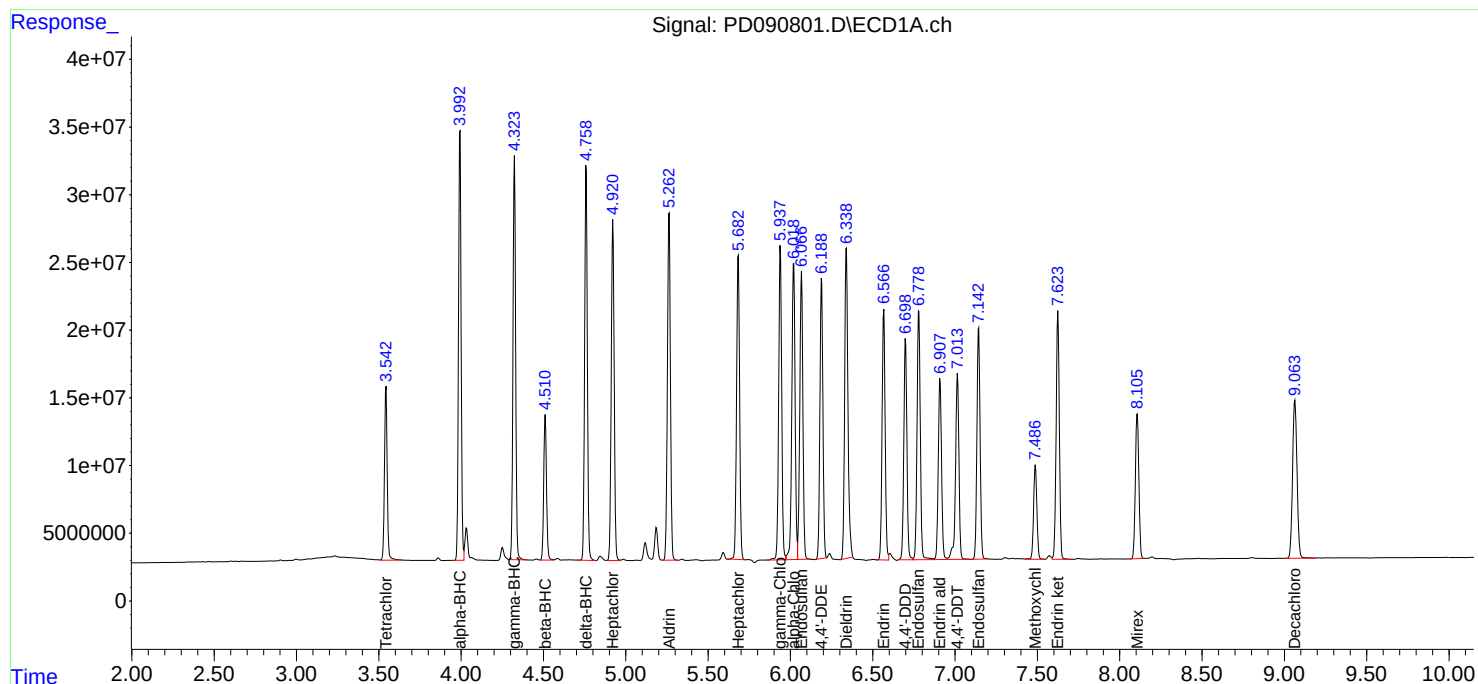
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

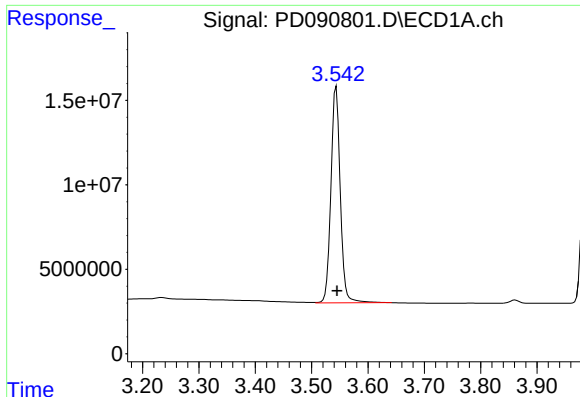
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090801.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 18:36
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:18:28 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

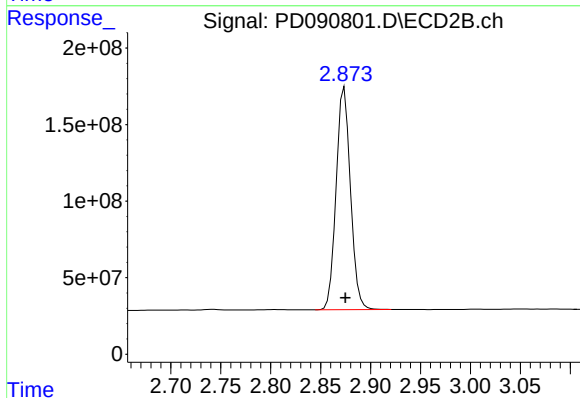




#1 Tetrachloro-m-xylene

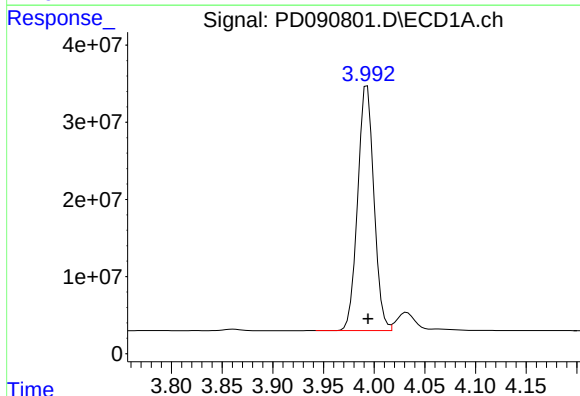
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 148599500
Conc: 47.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



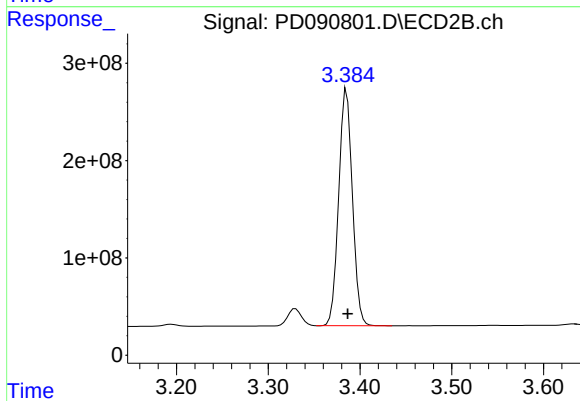
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1451286143
Conc: 48.74 ng/ml



#2 alpha-BHC

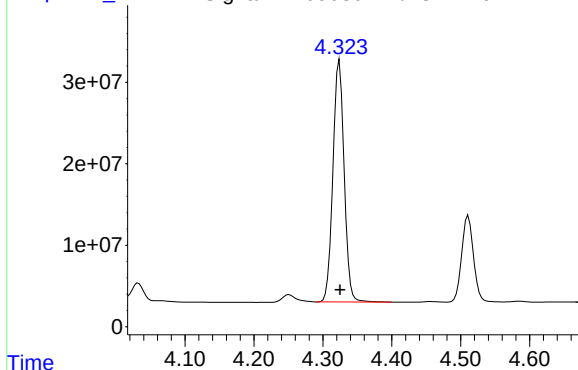
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 354911649
Conc: 49.45 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2522068184
Conc: 49.36 ng/ml

Response_ Signal: PD090801.D\ECD1A.ch

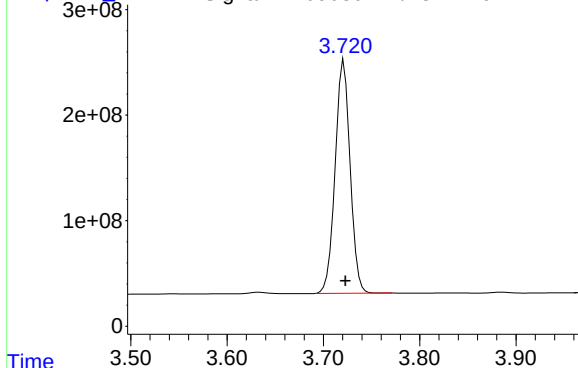


#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 334966181
Conc: 49.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

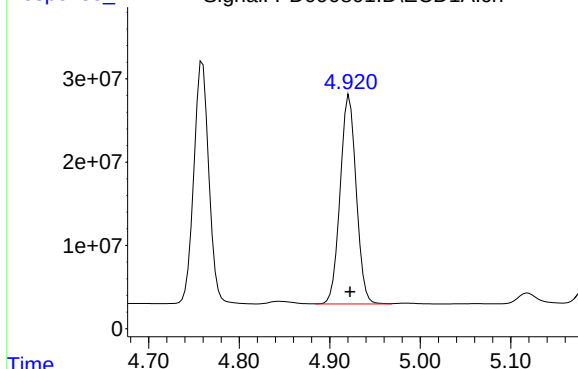
Response_ Signal: PD090801.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2391092740
Conc: 50.61 ng/ml

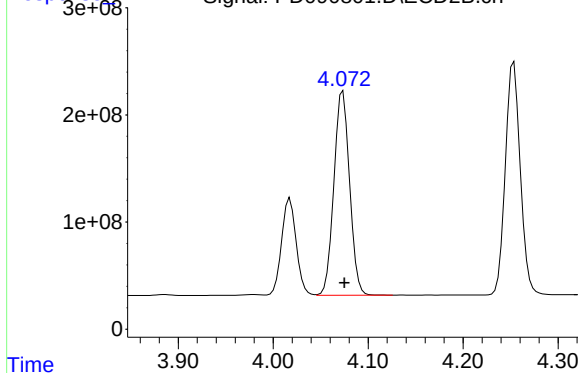
Response_ Signal: PD090801.D\ECD1A.ch



#4 Heptachlor

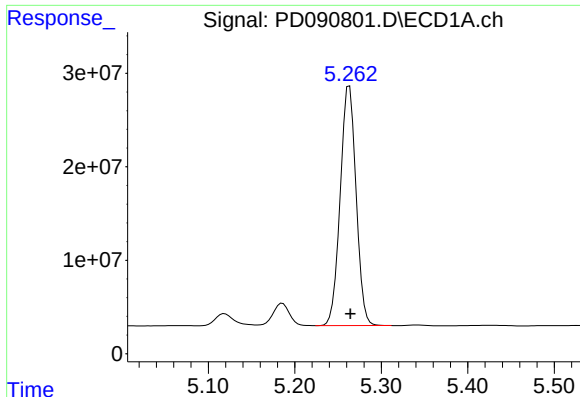
R.T.: 4.922 min
Delta R.T.: -0.001 min
Response: 308780326
Conc: 55.24 ng/ml

Response_ Signal: PD090801.D\ECD2B.ch



#4 Heptachlor

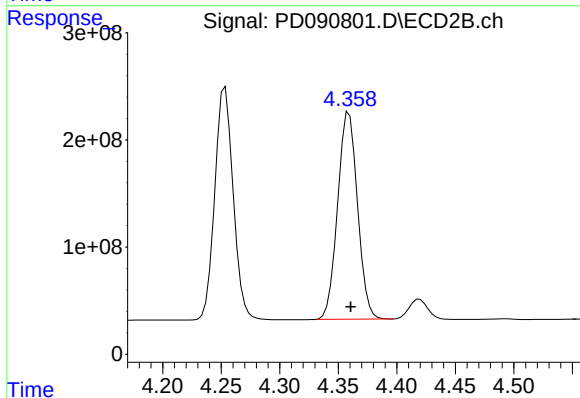
R.T.: 4.073 min
Delta R.T.: -0.001 min
Response: 2187300675
Conc: 49.04 ng/ml



#5 Aldrin

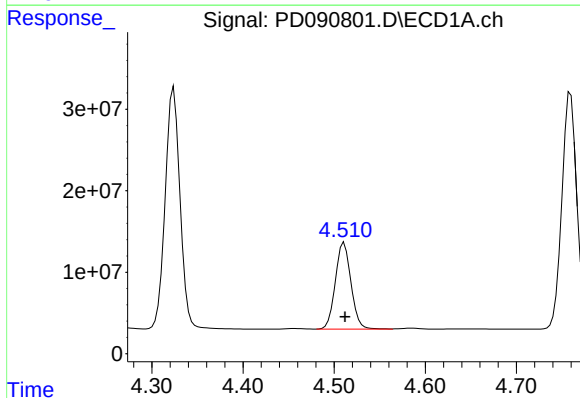
R.T.: 5.263 min
Delta R.T.: -0.001 min
Response: 324773713
Conc: 49.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



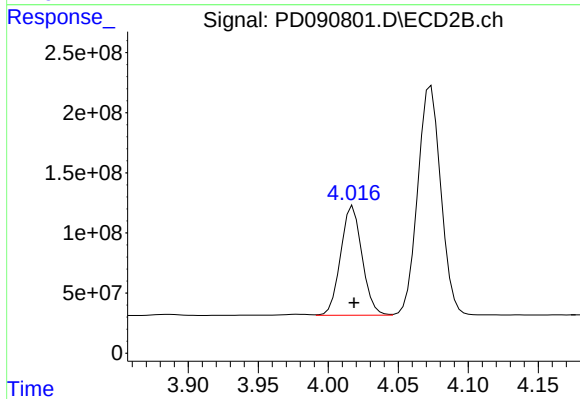
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.001 min
Response: 2284108303
Conc: 49.31 ng/ml



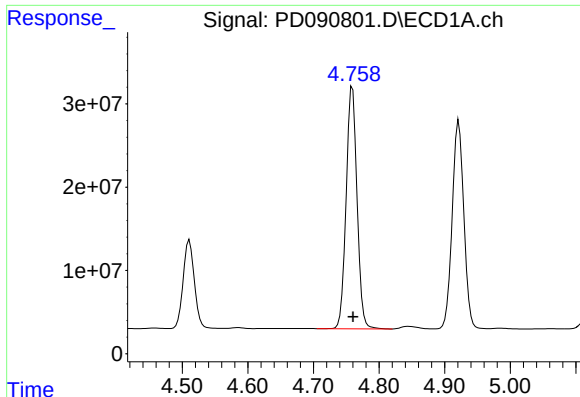
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 126741101
Conc: 48.38 ng/ml



#6 beta-BHC

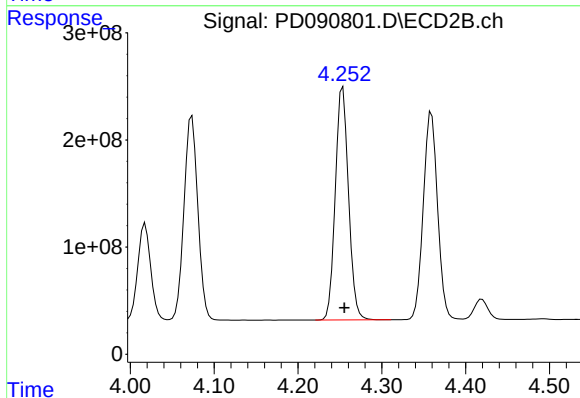
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 967714220
Conc: 48.80 ng/ml



#7 delta-BHC

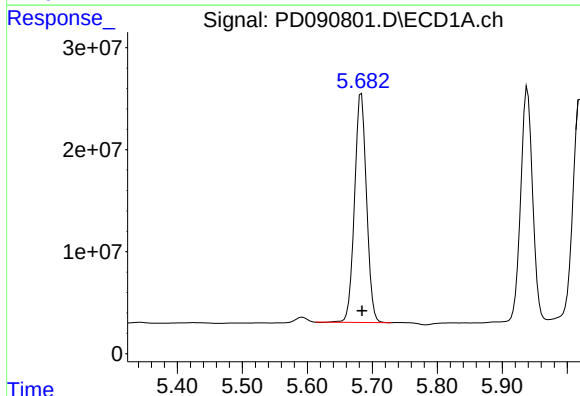
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 335622109
Conc: 49.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



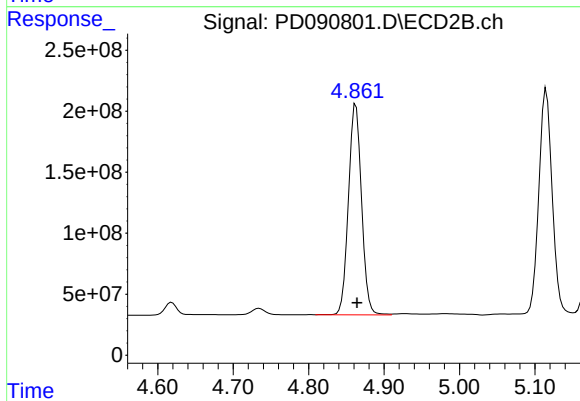
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2377980744
Conc: 49.84 ng/ml



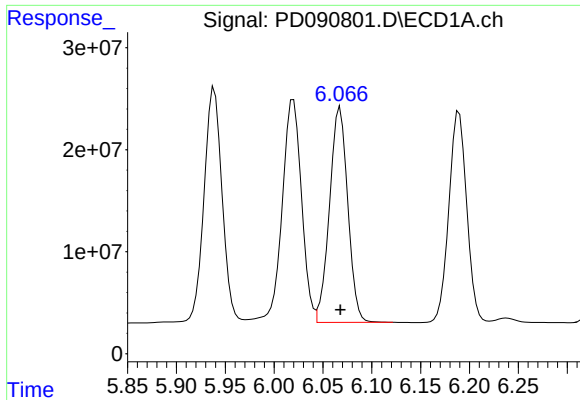
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 287024503
Conc: 49.58 ng/ml



#8 Heptachlor epoxide

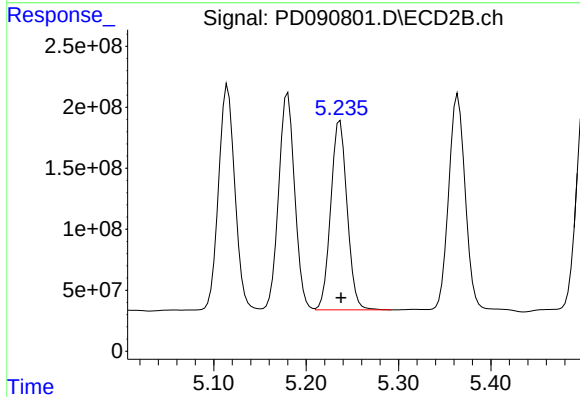
R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 2085864114
Conc: 48.92 ng/ml



#9 Endosulfan I

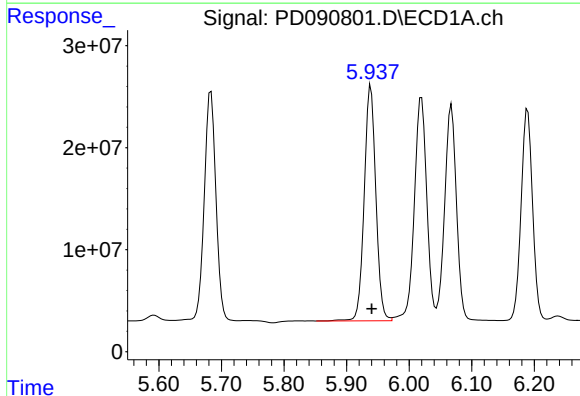
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 275149317
Conc: 49.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



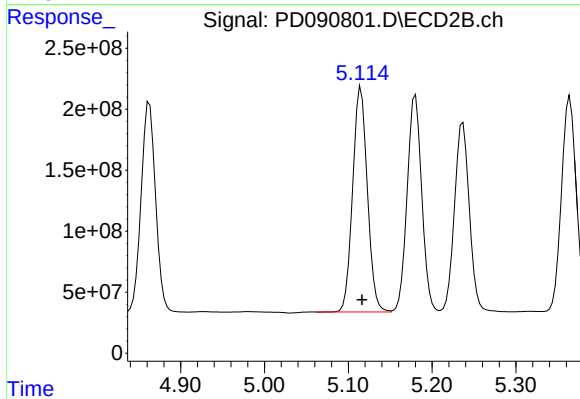
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1912577316
Conc: 48.55 ng/ml



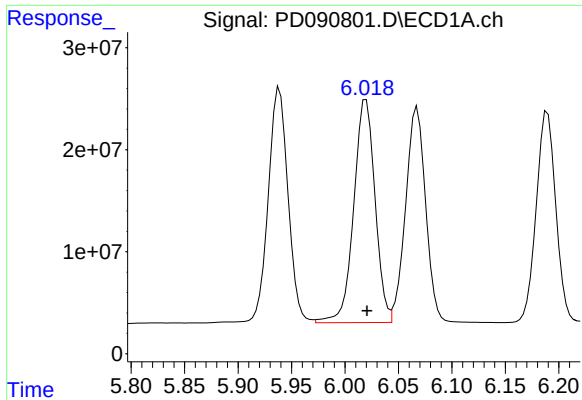
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.001 min
Response: 297898717
Conc: 50.23 ng/ml



#10 gamma-Chlordane

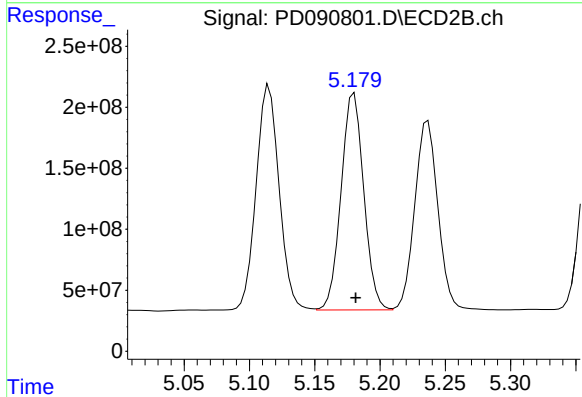
R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2254119255
Conc: 50.15 ng/ml



#11 alpha-Chlordane

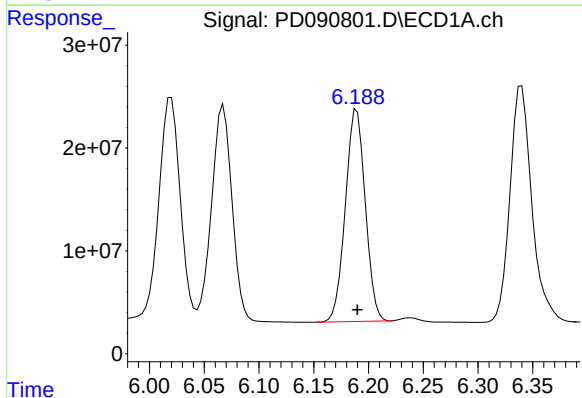
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 303421921
Conc: 49.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



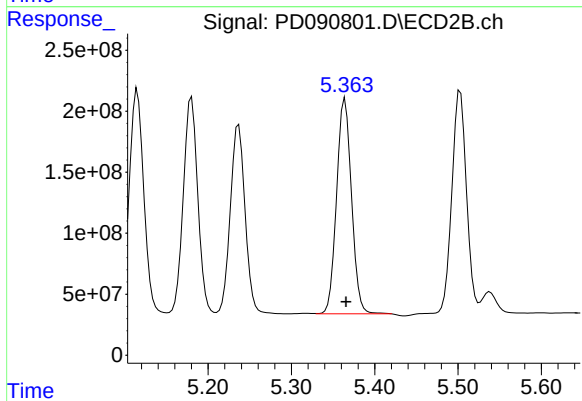
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 2147616149
Conc: 49.79 ng/ml



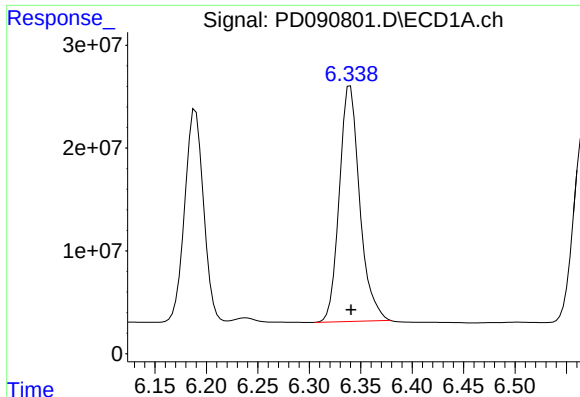
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 260999948
Conc: 49.00 ng/ml



#12 4,4'-DDE

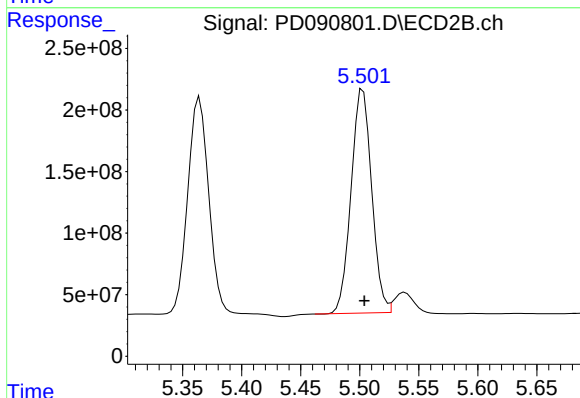
R.T.: 5.364 min
Delta R.T.: -0.001 min
Response: 2196539115
Conc: 50.11 ng/ml



#13 Dieldrin

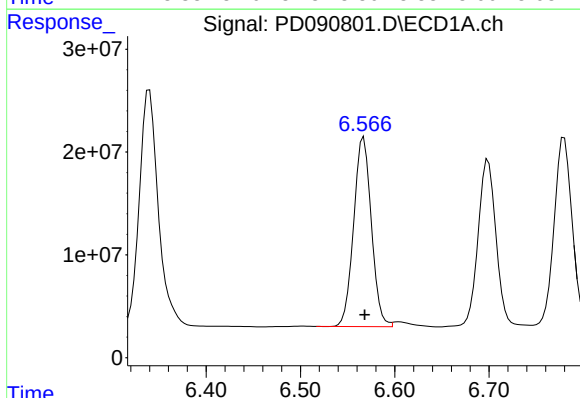
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 316442236
Conc: 54.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



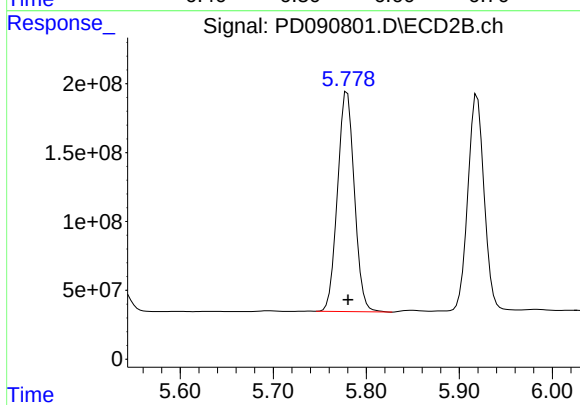
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.001 min
Response: 2208231144
Conc: 49.98 ng/ml



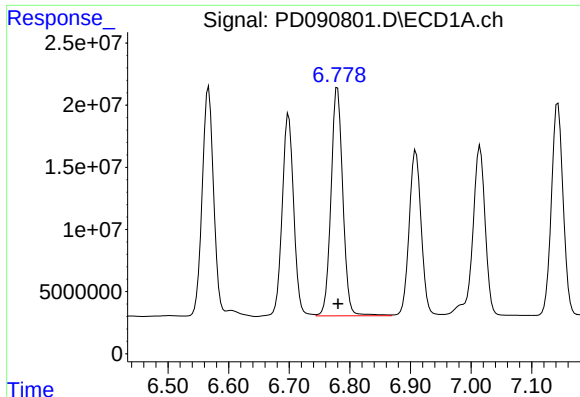
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 240388293
Conc: 48.53 ng/ml



#14 Endrin

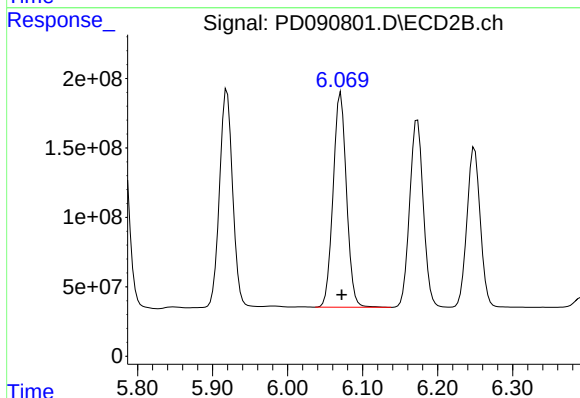
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2009257458
Conc: 49.62 ng/ml



#15 Endosulfan II

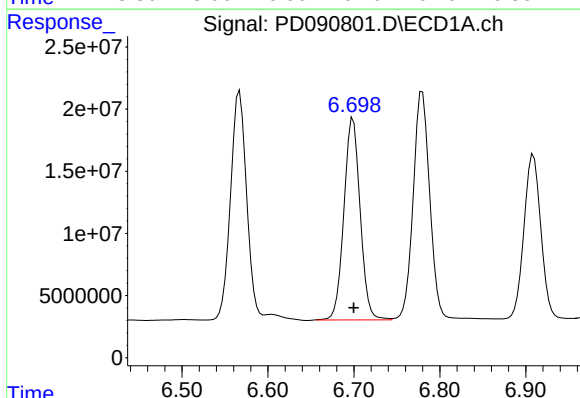
R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 249390209
Conc: 49.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



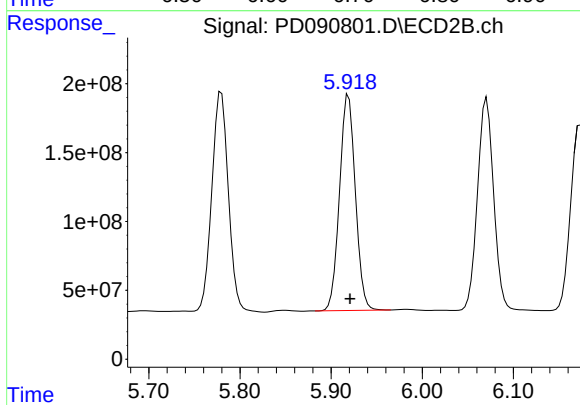
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1915493832
Conc: 51.00 ng/ml



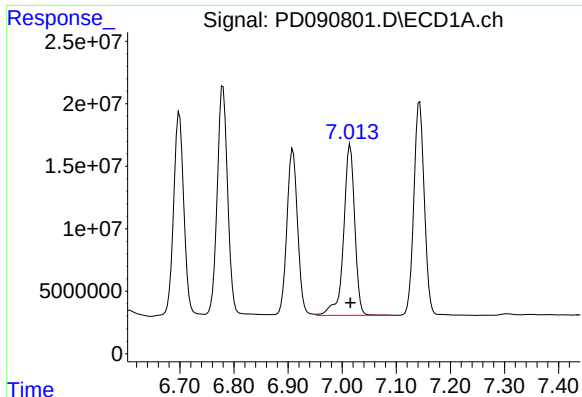
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 214149918
Conc: 52.82 ng/ml



#16 4,4'-DDD

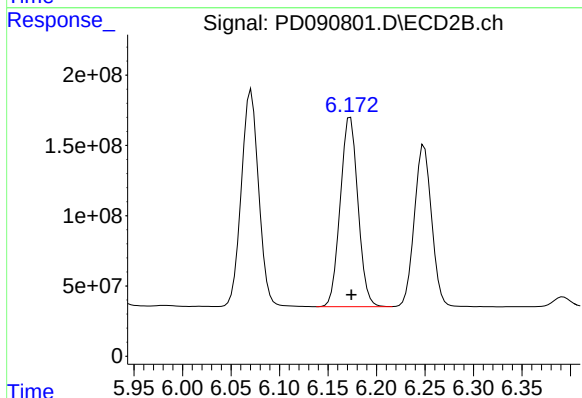
R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1893015903
Conc: 51.95 ng/ml



#17 4,4'-DDT

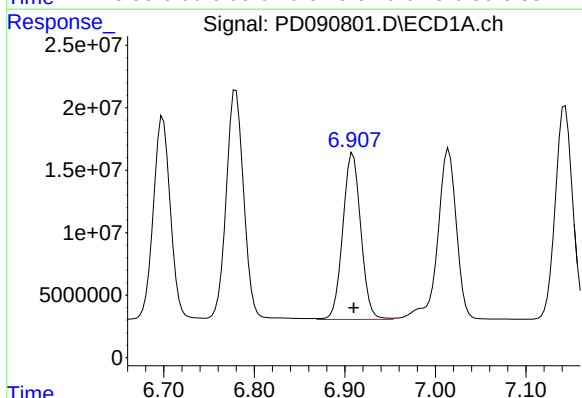
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 196227958
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



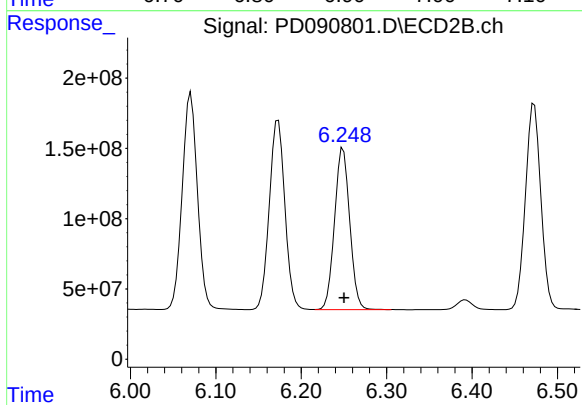
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1711414281
Conc: 48.80 ng/ml



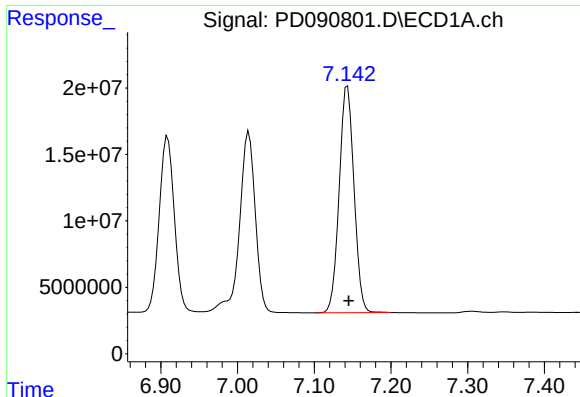
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 184127375
Conc: 50.27 ng/ml



#18 Endrin aldehyde

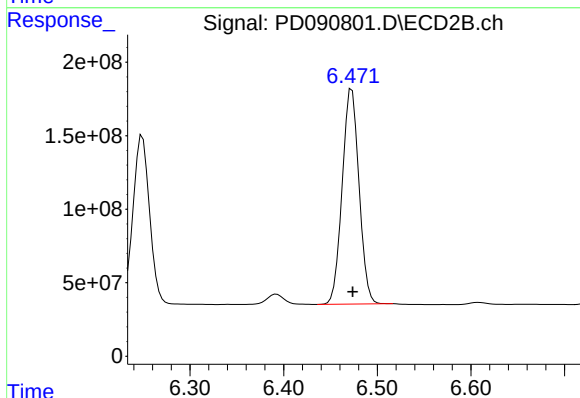
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1419820684
Conc: 51.27 ng/ml



#19 Endosulfan Sulfate

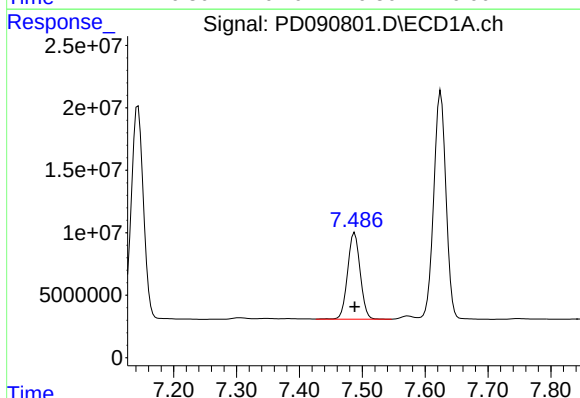
R.T.: 7.143 min
Delta R.T.: -0.001 min
Response: 228765351
Conc: 49.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



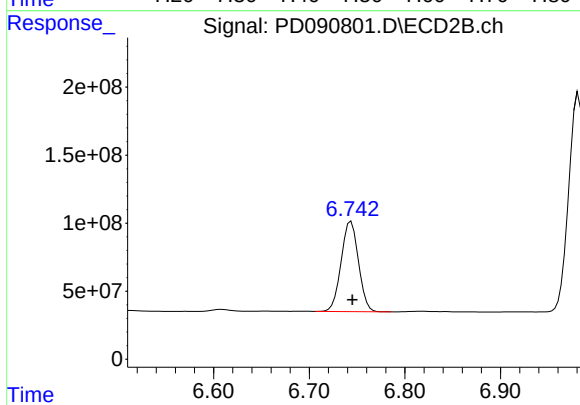
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.001 min
Response: 1831504750
Conc: 51.10 ng/ml



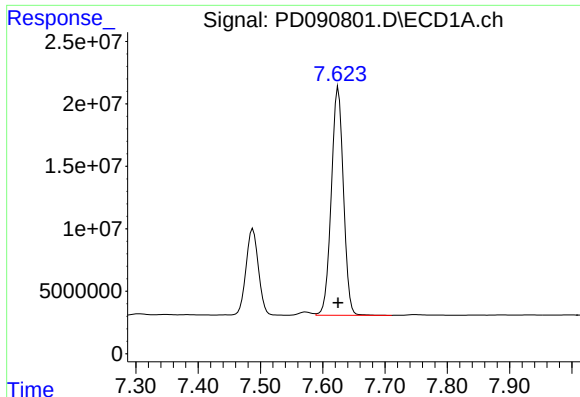
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 96369018
Conc: 45.34 ng/ml



#20 Methoxychlor

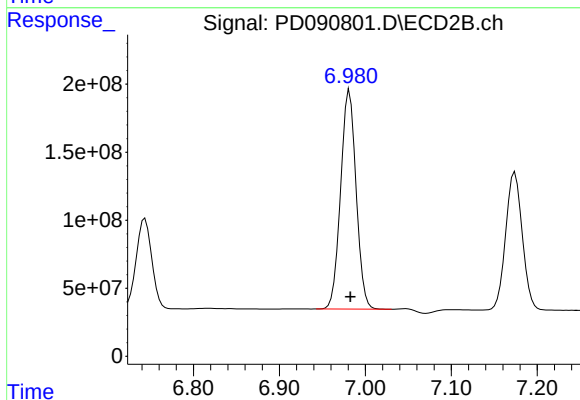
R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 837823575
Conc: 48.07 ng/ml



#21 Endrin ketone

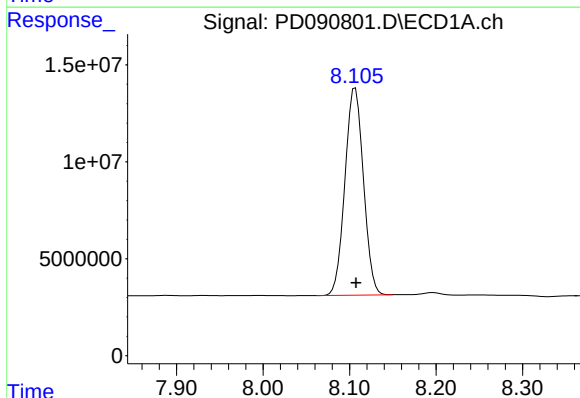
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 246356294
Conc: 50.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



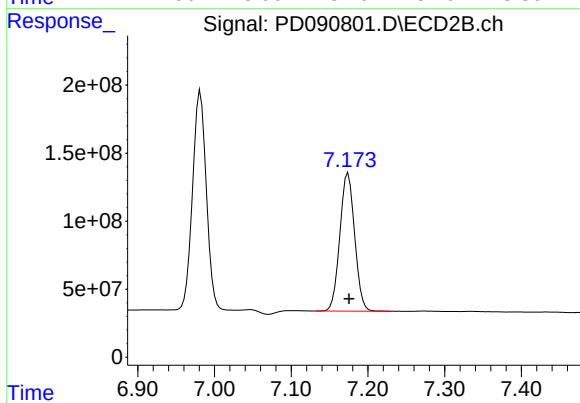
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 2018117153
Conc: 53.51 ng/ml



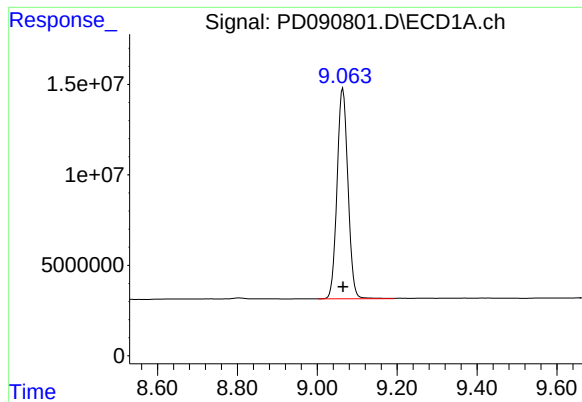
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 158179219
Conc: 49.42 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.001 min
Response: 1359986095
Conc: 52.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min

Delta R.T.: 0.000 min

Response: 219925549

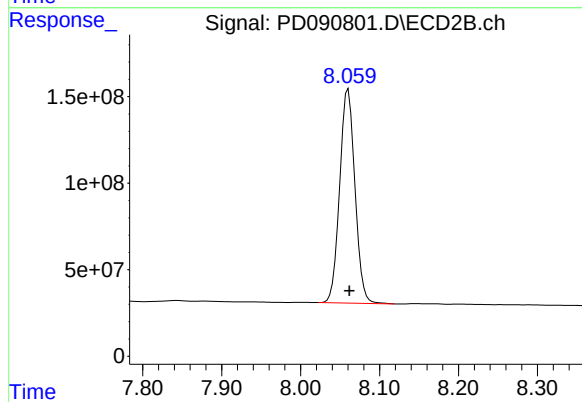
Conc: 47.01 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.001 min

Response: 1659514159

Conc: 54.79 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.: Q3424

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 10:24

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	9.06	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	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
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.: Q3424

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 10:24

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	5.36	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	0.01



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.:** Q3424
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	55.380	50.000	10.8
4,4'-DDE	6.189	6.090	6.290	50.030	50.000	0.1
4,4'-DDT	7.014	6.915	7.115	50.520	50.000	1.0
Aldrin	5.263	5.164	5.364	51.550	50.000	3.1
alpha-BHC	3.993	3.894	4.094	51.540	50.000	3.1
alpha-Chlordane	6.020	5.921	6.121	51.380	50.000	2.8
beta-BHC	4.511	4.412	4.612	49.860	50.000	-0.3
Decachlorobiphenyl	9.063	8.964	9.164	48.730	50.000	-2.5
delta-BHC	4.760	4.660	4.860	51.520	50.000	3.0
Dieldrin	6.340	6.240	6.440	55.800	50.000	11.6
Endosulfan I	6.067	5.968	6.168	51.320	50.000	2.6
Endosulfan II	6.778	6.681	6.881	49.740	50.000	-0.5
Endosulfan sulfate	7.143	7.045	7.245	50.570	50.000	1.1
Endrin	6.567	6.468	6.668	50.080	50.000	0.2
Endrin aldehyde	6.909	6.810	7.010	52.370	50.000	4.7
Endrin ketone	7.623	7.525	7.725	52.490	50.000	5.0
gamma-BHC (Lindane)	4.324	4.225	4.425	51.120	50.000	2.2
gamma-Chlordane	5.938	5.840	6.040	50.750	50.000	1.5
Heptachlor	4.922	4.823	5.023	59.240	50.000	18.5
Heptachlor epoxide	5.684	5.584	5.784	52.170	50.000	4.3
Methoxychlor	7.487	7.388	7.588	48.960	50.000	-2.1
Tetrachloro-m-xylene	3.544	3.445	3.645	49.610	50.000	-0.8



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.:** Q3424
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	52.590	50.000	5.2
4,4'-DDE	5.364	5.266	5.466	51.080	50.000	2.2
4,4'-DDT	6.172	6.074	6.274	50.520	50.000	1.0
Aldrin	4.358	4.261	4.461	49.660	50.000	-0.7
alpha-BHC	3.385	3.287	3.487	49.840	50.000	-0.3
alpha-Chlordane	5.179	5.081	5.281	50.210	50.000	0.4
beta-BHC	4.017	3.919	4.119	48.770	50.000	-2.5
Decachlorobiphenyl	8.059	7.962	8.162	55.840	50.000	11.7
delta-BHC	4.253	4.155	4.355	50.140	50.000	0.3
Dieldrin	5.502	5.404	5.604	50.560	50.000	1.1
Endosulfan I	5.236	5.138	5.338	46.190	50.000	-7.6
Endosulfan II	6.070	5.972	6.172	51.500	50.000	3.0
Endosulfan sulfate	6.472	6.374	6.574	51.430	50.000	2.9
Endrin	5.779	5.681	5.881	49.400	50.000	-1.2
Endrin aldehyde	6.249	6.150	6.350	51.900	50.000	3.8
Endrin ketone	6.980	6.883	7.083	54.440	50.000	8.9
gamma-BHC (Lindane)	3.721	3.623	3.823	51.130	50.000	2.3
gamma-Chlordane	5.115	5.017	5.217	50.540	50.000	1.1
Heptachlor	4.073	3.975	4.175	50.250	50.000	0.5
Heptachlor epoxide	4.862	4.764	4.964	49.290	50.000	-1.4
Methoxychlor	6.743	6.645	6.845	50.170	50.000	0.3
Tetrachloro-m-xylene	2.874	2.775	2.975	49.240	50.000	-1.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090810.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:31 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	154.5E6	1466.1E6	49.606	49.236
28)	SA Decachlor...	9.063	8.059	227.9E6	1691.6E6	48.726	55.844
Target Compounds							
2)	A alpha-BHC	3.993	3.385	369.9E6	2546.4E6	51.536	49.836
3)	MA gamma-BHC...	4.324	3.721	347.6E6	2415.9E6	51.120	51.131
4)	MA Heptachlor	4.922	4.073	331.1E6	2241.2E6	59.242	50.248
5)	MB Aldrin	5.263	4.358	337.5E6	2300.3E6	51.553	49.662
6)	B beta-BHC	4.511	4.017	130.6E6	967.1E6	49.857	48.771
7)	B delta-BHC	4.760	4.253	348.4E6	2392.3E6	51.521	50.135
8)	B Heptachlo...	5.684	4.862	302.0E6	2101.9E6	52.173	49.295
9)	A Endosulfan I	6.067	5.236	284.2E6	1819.3E6	51.323	46.186
10)	B gamma-Chl...	5.938	5.115	301.0E6	2271.9E6	50.748	50.544
11)	B alpha-Chl...	6.020	5.179	317.5E6	2165.8E6	51.379	50.206
12)	B 4,4'-DDE	6.189	5.364	266.5E6	2239.4E6	50.032	51.083
13)	MA Dieldrin	6.340	5.502	325.4E6	2234.0E6	55.802	50.561
14)	MA Endrin	6.567	5.779	248.1E6	2000.4E6	50.078	49.401
15)	B Endosulfa...	6.778	6.070	248.7E6	1934.2E6	49.743m	51.504
16)	A 4,4'-DDD	6.699	5.919	224.5E6	1916.1E6	55.375	52.586
17)	MA 4,4'-DDT	7.014	6.172	207.7E6	1772.0E6	50.521	50.523
18)	B Endrin al...	6.909	6.249	191.8E6	1437.4E6	52.370	51.904
19)	B Endosulfa...	7.143	6.472	234.6E6	1843.5E6	50.572	51.430
20)	A Methoxychlor	7.487	6.743	104.1E6	874.4E6	48.960	50.175
21)	B Endrin ke...	7.623	6.980	255.0E6	2053.5E6	52.486	54.444
22)	Mirex	8.106	7.173	163.2E6	1374.6E6	50.972	53.504

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

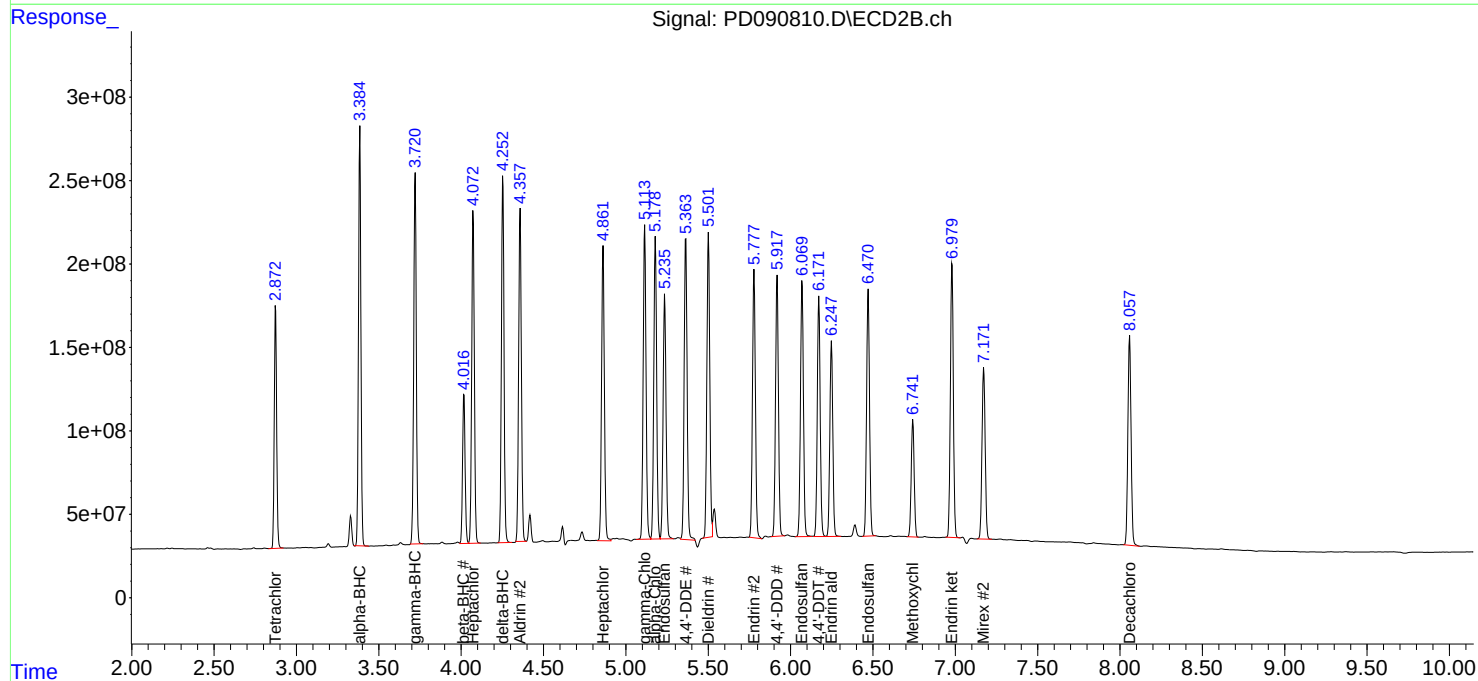
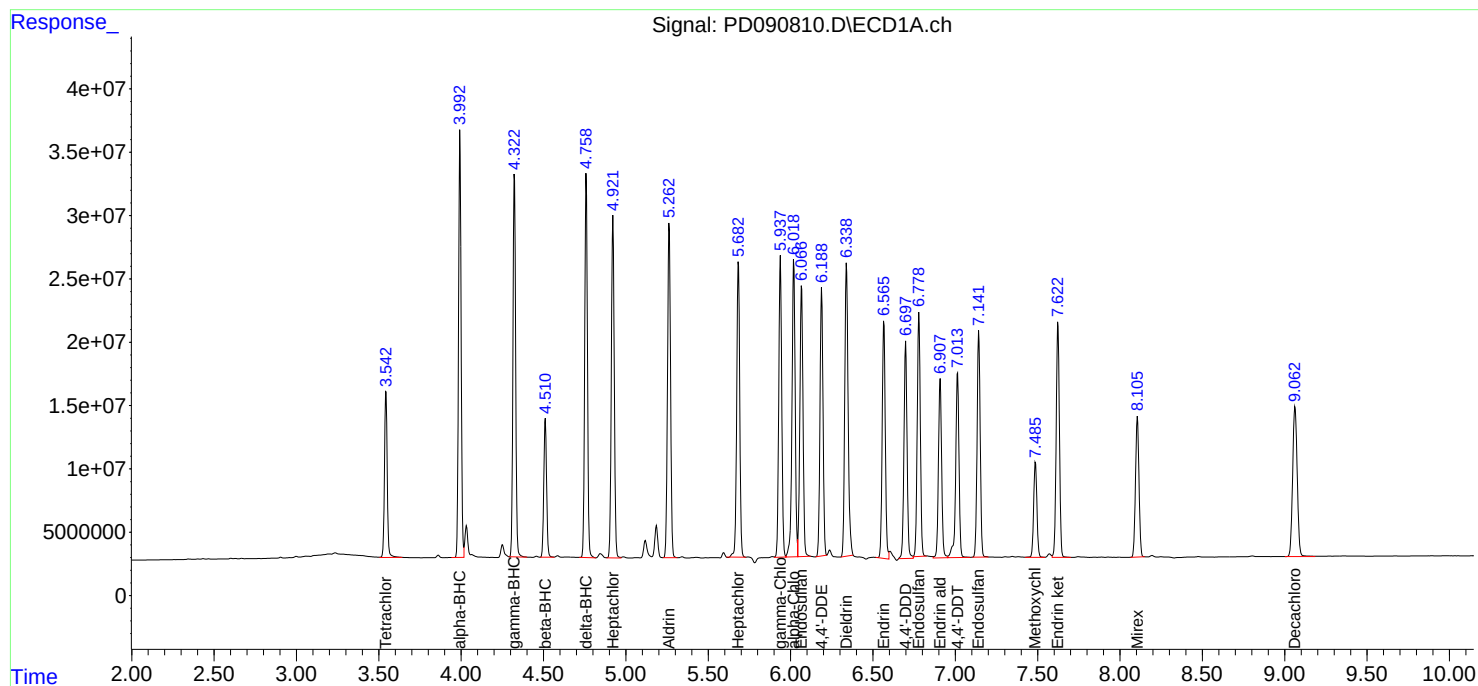
APPROVED

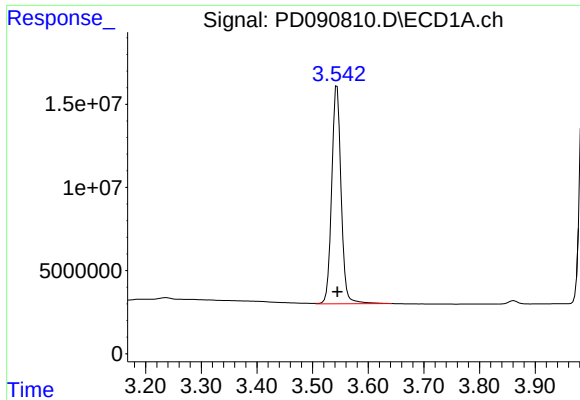
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:31 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: 154480391
Conc: 49.61 ng/ml

Instrument :

ECD_D

ClientSampleId :

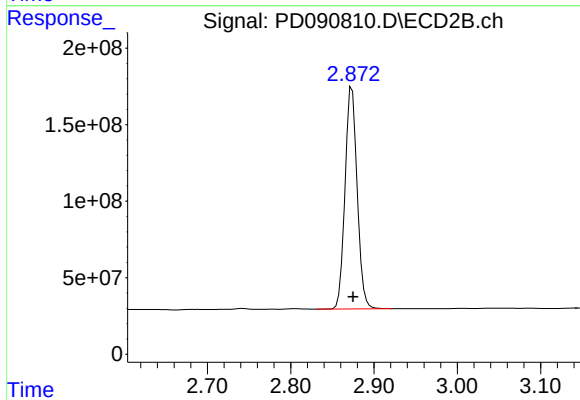
PSTDCCC050

Manual Integrations

APPROVED

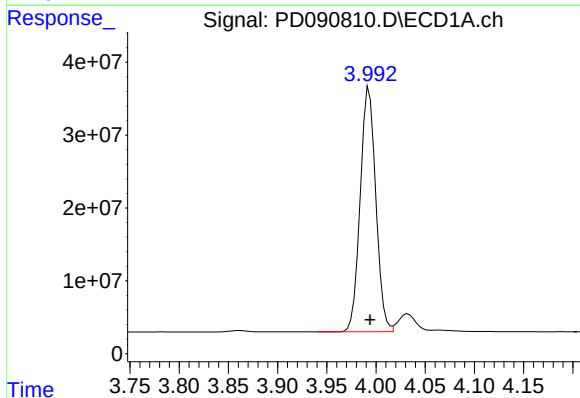
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



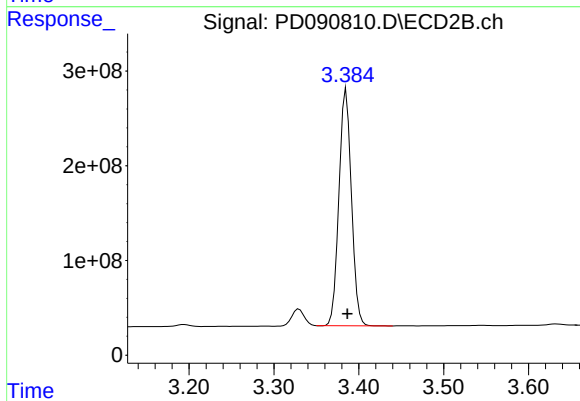
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 1466093108
Conc: 49.24 ng/ml



#2 alpha-BHC

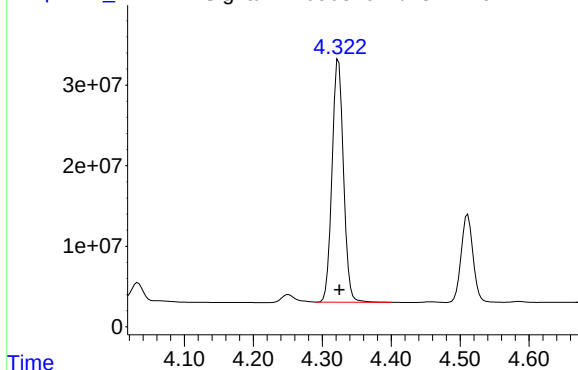
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 369883848
Conc: 51.54 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2546419707
Conc: 49.84 ng/ml

Response_ Signal: PD090810.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 347557636
Conc: 51.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

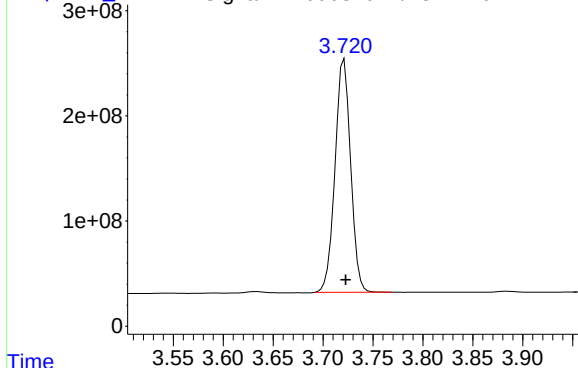
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

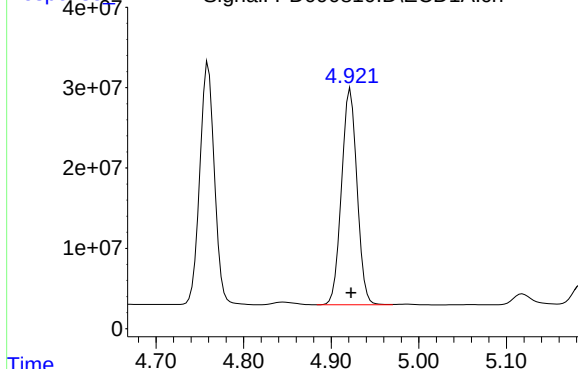
Response_ Signal: PD090810.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2415892986
Conc: 51.13 ng/ml

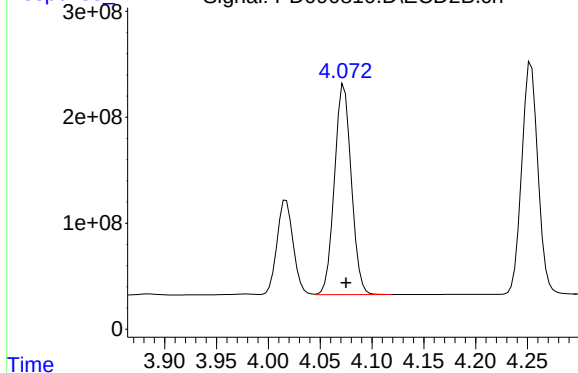
Response_ Signal: PD090810.D\ECD1A.ch



#4 Heptachlor

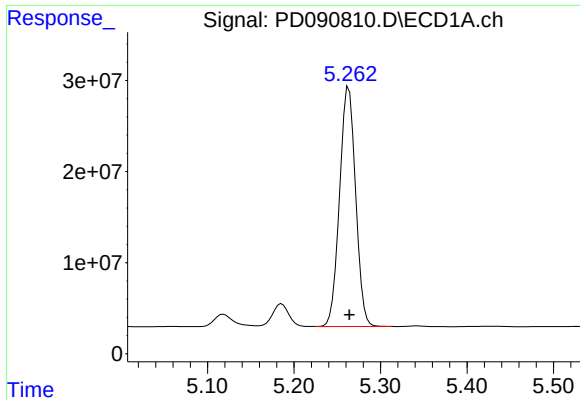
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 331137384
Conc: 59.24 ng/ml

Response_ Signal: PD090810.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2241192821
Conc: 50.25 ng/ml



#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 337534314
Conc: 51.55 ng/ml

Instrument :

ECD_D

ClientSampleId :

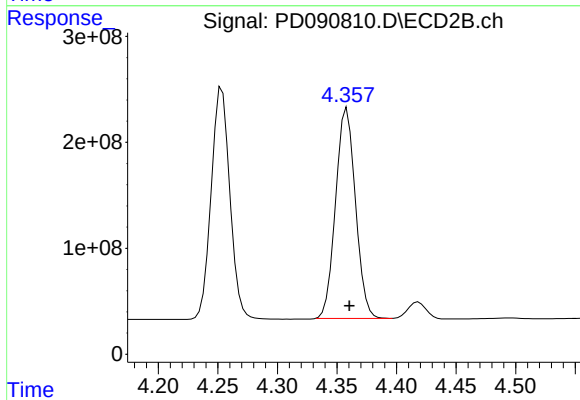
PSTDCCC050

Manual Integrations

APPROVED

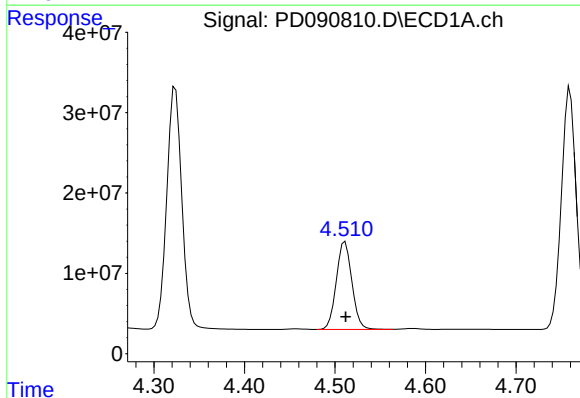
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



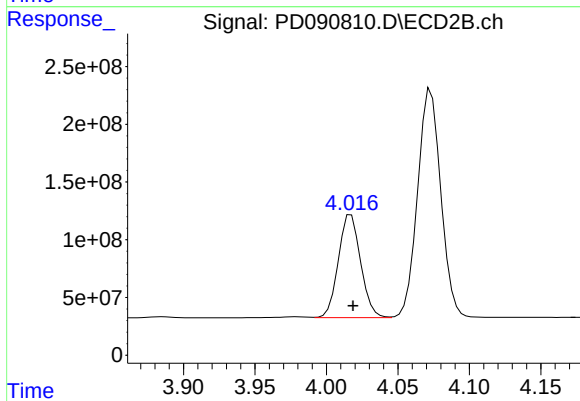
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.002 min
Response: 2300267397
Conc: 49.66 ng/ml



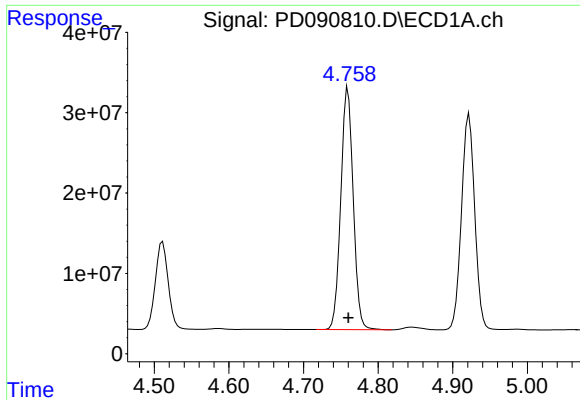
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 130607631
Conc: 49.86 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 967103278
Conc: 48.77 ng/ml



#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 348370261
Conc: 51.52 ng/ml

Instrument :

ECD_D

ClientSampleId :

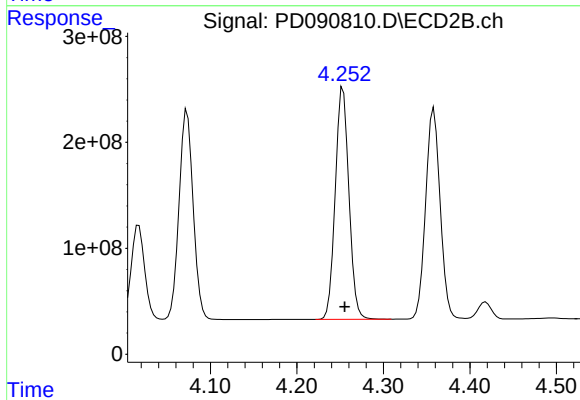
PSTDCCC050

Manual Integrations

APPROVED

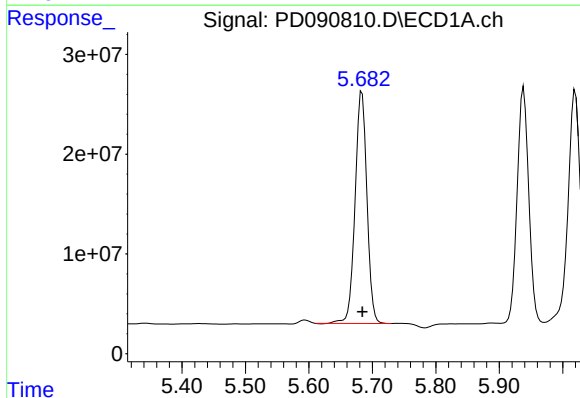
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



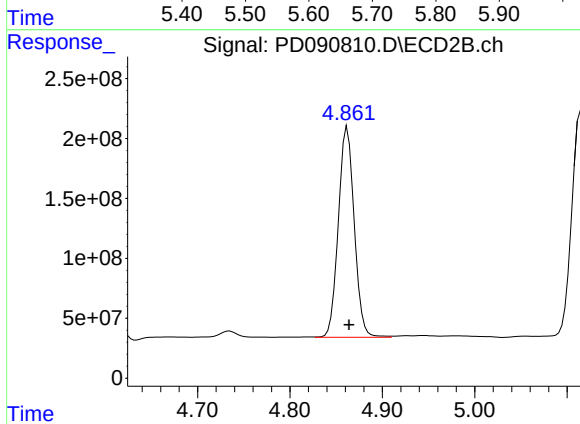
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2392287495
Conc: 50.14 ng/ml



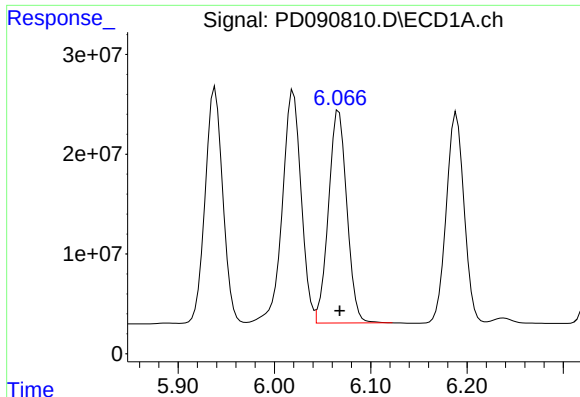
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 302033129
Conc: 52.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2101868941
Conc: 49.29 ng/ml



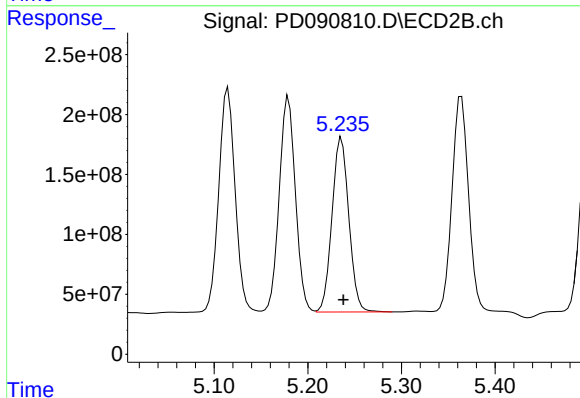
#9 Endosulfan I

R.T.: 6.067 min
 Delta R.T.: 0.000 min
 Response: 284159623
 Conc: 51.32 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

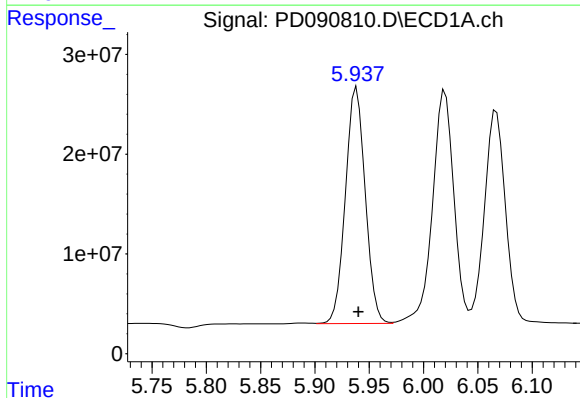
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025



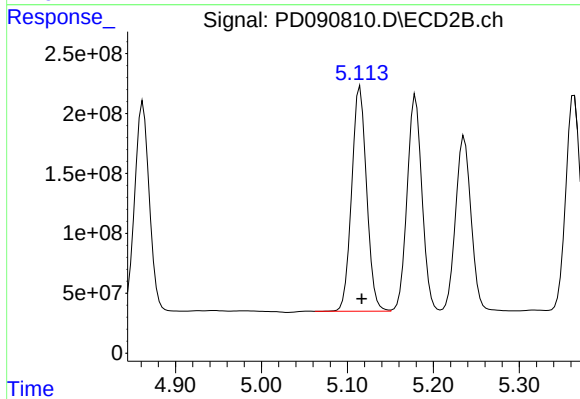
#9 Endosulfan I

R.T.: 5.236 min
 Delta R.T.: -0.002 min
 Response: 1819294266
 Conc: 46.19 ng/ml



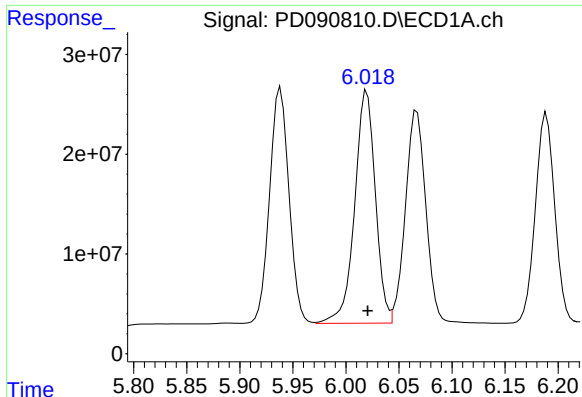
#10 gamma-Chlordane

R.T.: 5.938 min
 Delta R.T.: -0.002 min
 Response: 300992690
 Conc: 50.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
 Delta R.T.: -0.002 min
 Response: 2271895336
 Conc: 50.54 ng/ml



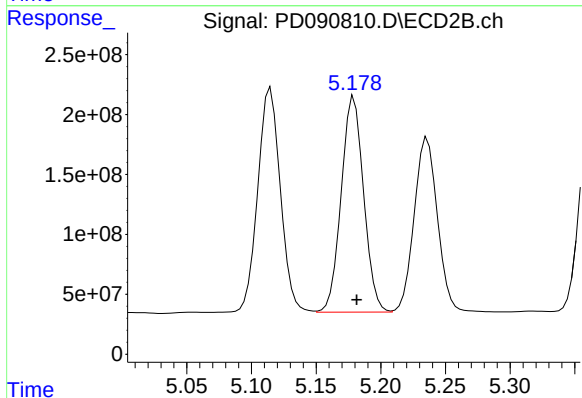
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 317532577
Conc: 51.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

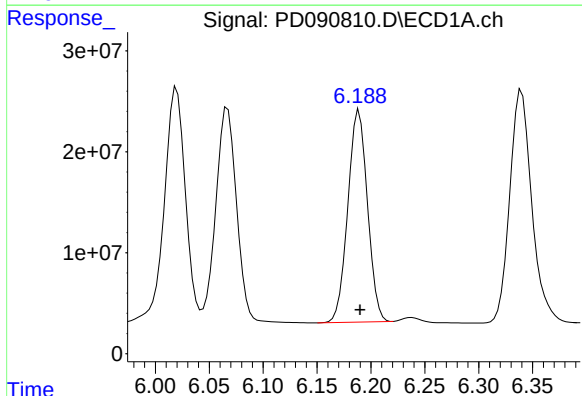
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



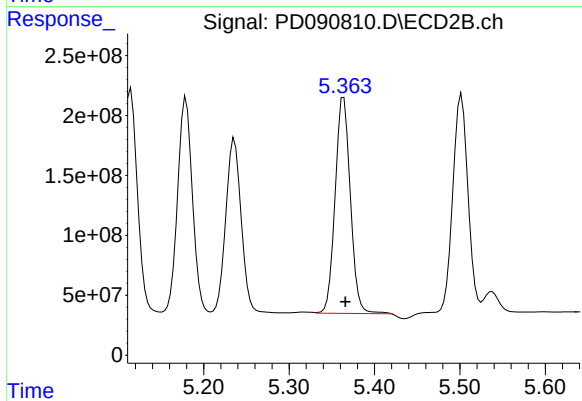
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 2165782642
Conc: 50.21 ng/ml



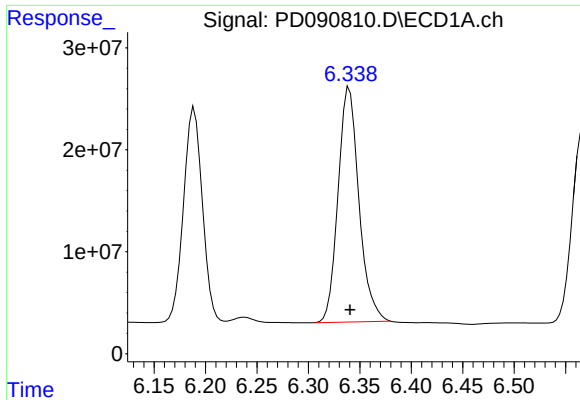
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 266500298
Conc: 50.03 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2239390091
Conc: 51.08 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 325401316
Conc: 55.80 ng/ml

Instrument :

ECD_D

ClientSampleId :

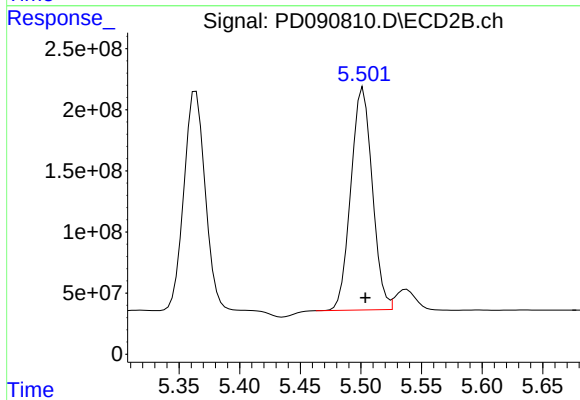
PSTDCCC050

Manual Integrations

APPROVED

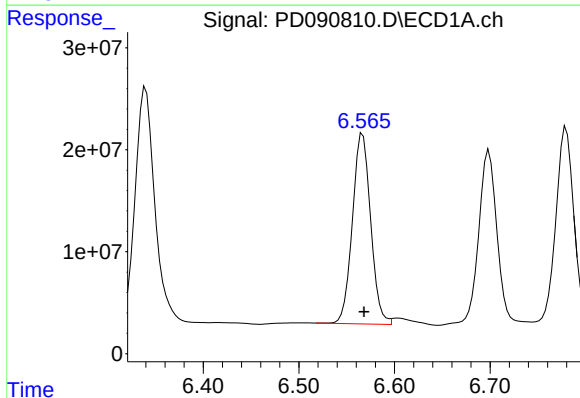
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



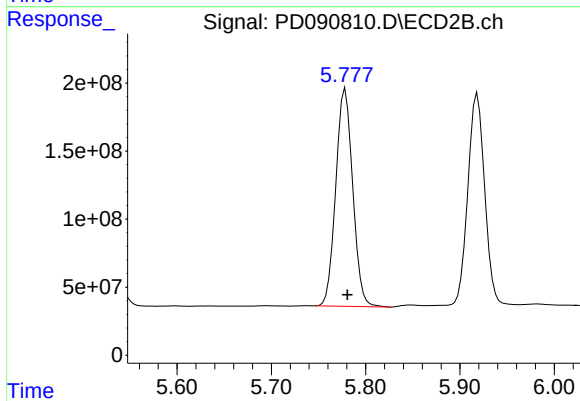
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2233996959
Conc: 50.56 ng/ml



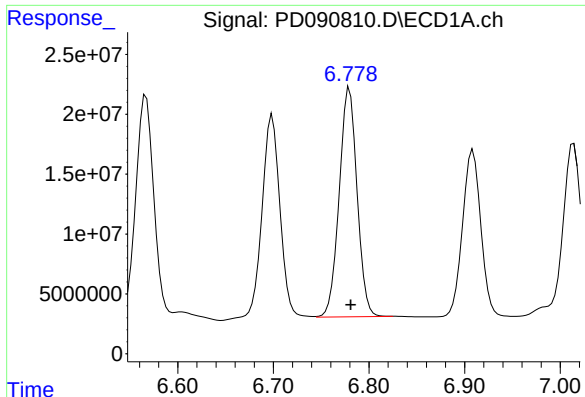
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 248073718
Conc: 50.08 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2000446254
Conc: 49.40 ng/ml



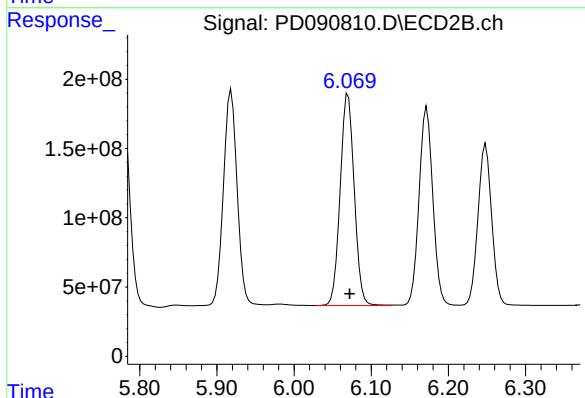
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: -0.003 min
Response: 248714198
Conc: 49.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

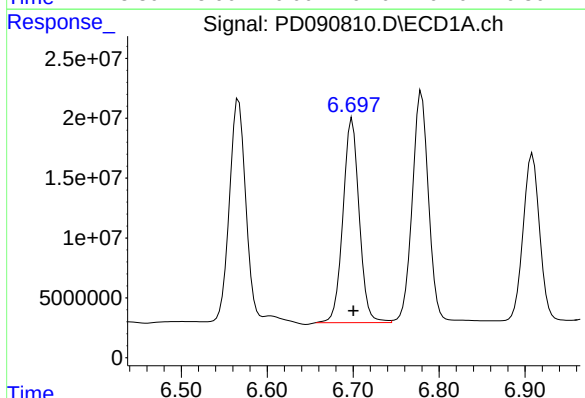
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



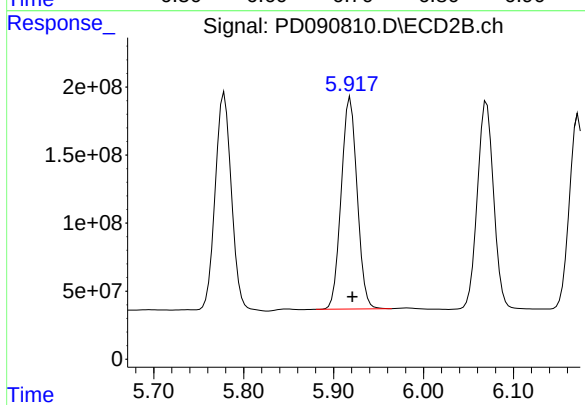
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1934240432
Conc: 51.50 ng/ml



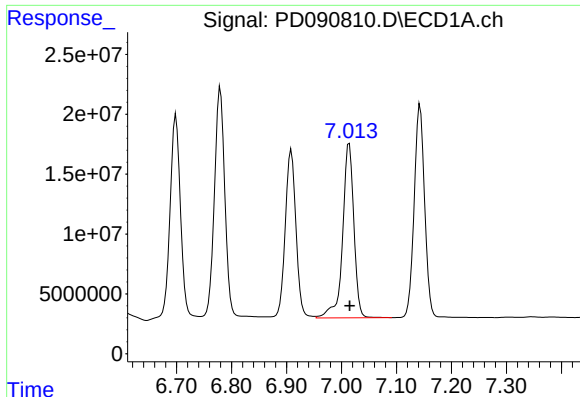
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 224503104
Conc: 55.38 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1916117191
Conc: 52.59 ng/ml



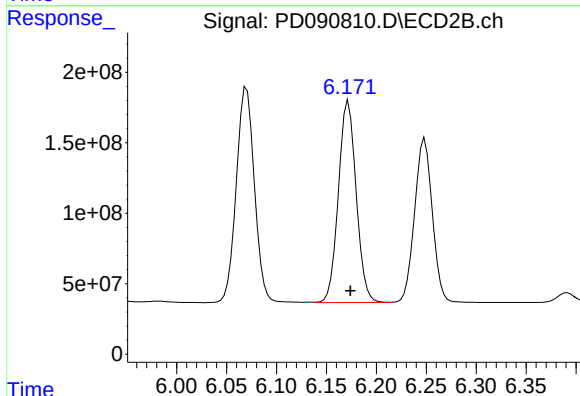
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 207666261
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

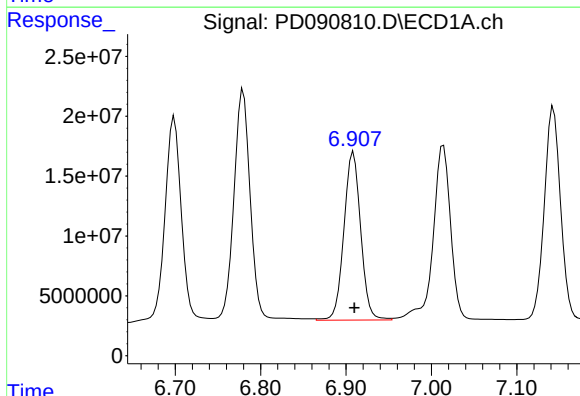
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



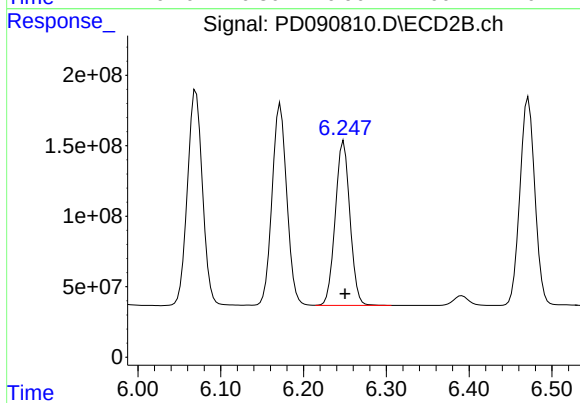
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1772004799
Conc: 50.52 ng/ml



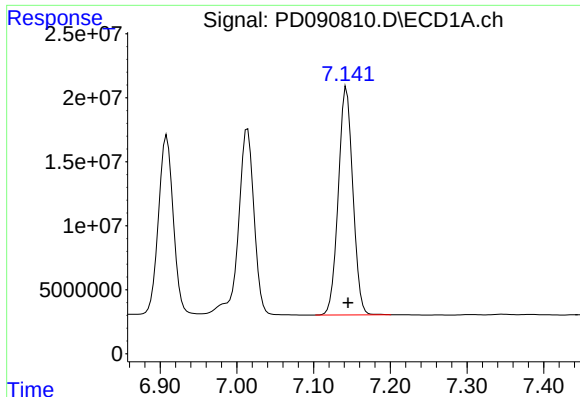
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.001 min
Response: 191815732
Conc: 52.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1437379924
Conc: 51.90 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 234564689
Conc: 50.57 ng/ml

Instrument :

ECD_D

ClientSampleId :

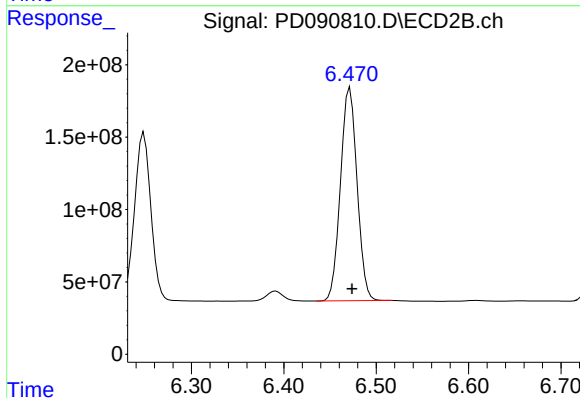
PSTDCCC050

Manual Integrations

APPROVED

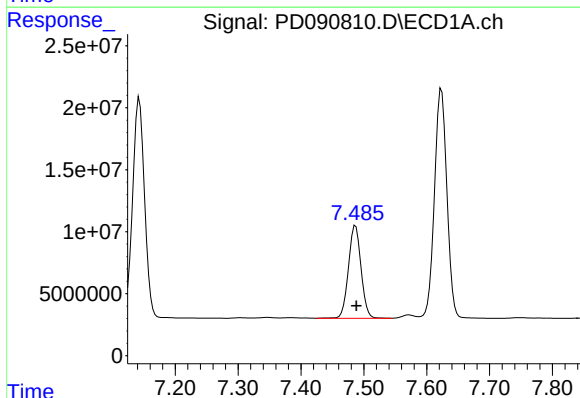
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



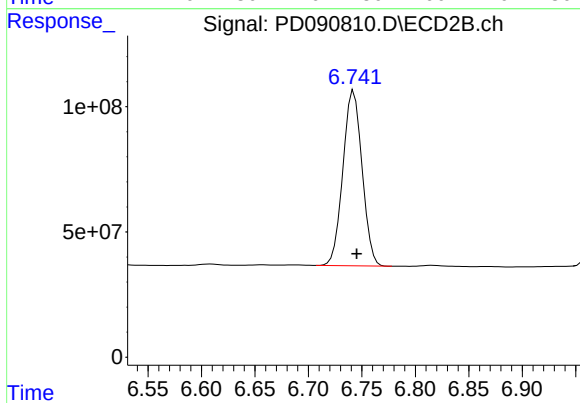
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1843525414
Conc: 51.43 ng/ml



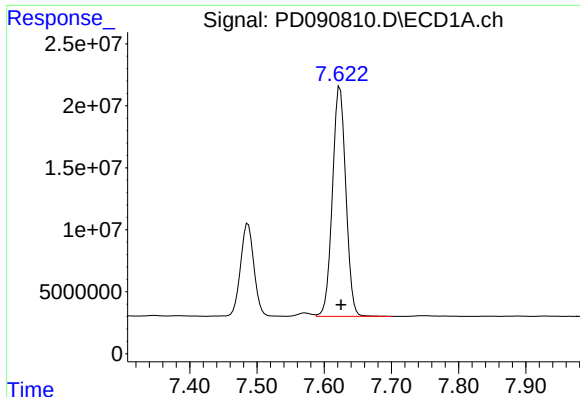
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 104067728
Conc: 48.96 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 874434654
Conc: 50.17 ng/ml



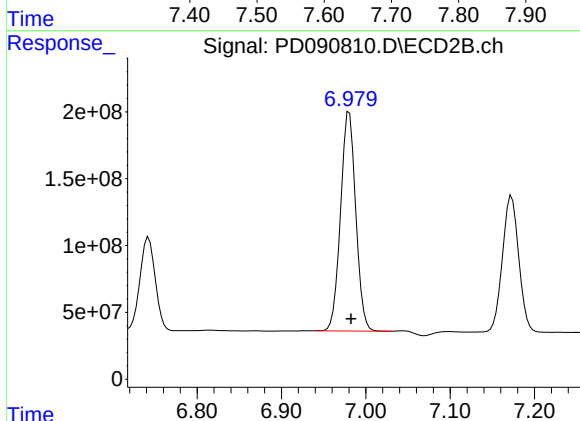
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.001 min
Response: 255020683
Conc: 52.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

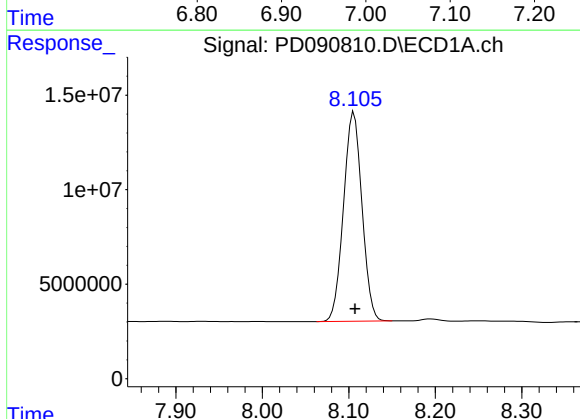
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



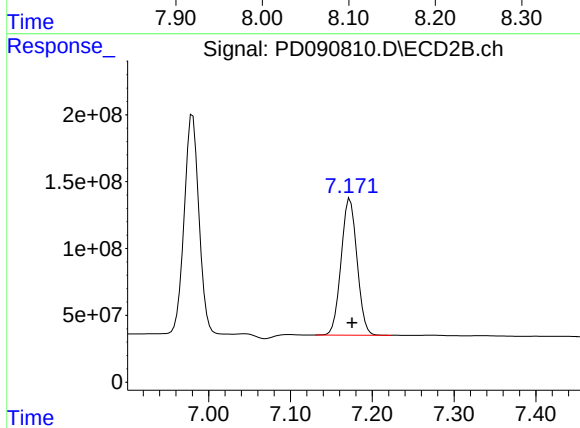
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 2053522685
Conc: 54.44 ng/ml



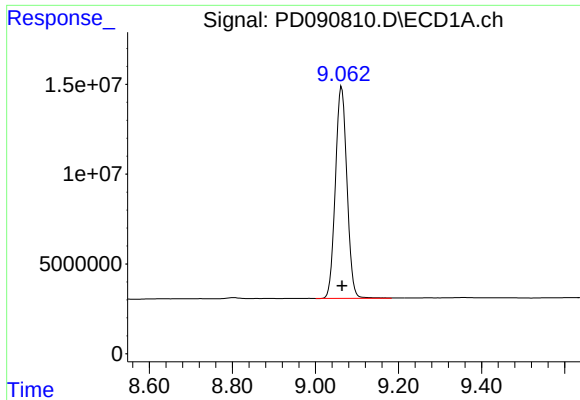
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 163154045
Conc: 50.97 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1374560710
Conc: 53.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.001 min
Response: 227938192
Conc: 48.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

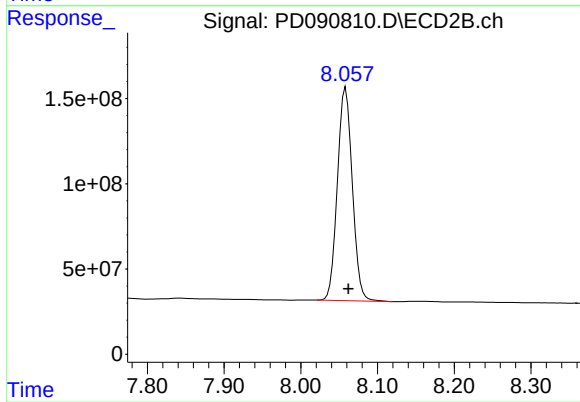
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 1691581501
Conc: 55.84 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.: Q3424

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 15:42

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	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	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	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
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.: Q3424

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 15:42

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	0.00
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.:** Q3424
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.600	6.800	49.720	50.000	-0.6
4,4'-DDE	6.194	6.090	6.290	47.540	50.000	-4.9
4,4'-DDT	7.019	6.915	7.115	43.880	50.000	-12.2
Aldrin	5.268	5.164	5.364	50.630	50.000	1.3
alpha-BHC	3.998	3.894	4.094	53.390	50.000	6.8
alpha-Chlordane	6.024	5.921	6.121	50.880	50.000	1.8
beta-BHC	4.517	4.412	4.612	52.080	50.000	4.2
Decachlorobiphenyl	9.069	8.964	9.164	46.030	50.000	-7.9
delta-BHC	4.765	4.660	4.860	52.630	50.000	5.3
Dieldrin	6.345	6.240	6.440	48.790	50.000	-2.4
Endosulfan I	6.072	5.968	6.168	48.840	50.000	-2.3
Endosulfan II	6.785	6.681	6.881	46.830	50.000	-6.3
Endosulfan sulfate	7.148	7.045	7.245	45.620	50.000	-8.8
Endrin	6.572	6.468	6.668	45.180	50.000	-9.6
Endrin aldehyde	6.914	6.810	7.010	46.270	50.000	-7.5
Endrin ketone	7.629	7.525	7.725	46.040	50.000	-7.9
gamma-BHC (Lindane)	4.330	4.225	4.425	52.670	50.000	5.3
gamma-Chlordane	5.944	5.840	6.040	48.830	50.000	-2.3
Heptachlor	4.927	4.823	5.023	59.530	50.000	19.1
Heptachlor epoxide	5.687	5.584	5.784	51.040	50.000	2.1
Methoxychlor	7.492	7.388	7.588	43.060	50.000	-13.9
Tetrachloro-m-xylene	3.549	3.445	3.645	52.770	50.000	5.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3424
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	46.560	50.000	-6.9
4,4'-DDE	5.366	5.266	5.466	47.330	50.000	-5.3
4,4'-DDT	6.173	6.074	6.274	43.360	50.000	-13.3
Aldrin	4.360	4.261	4.461	49.370	50.000	-1.3
alpha-BHC	3.386	3.287	3.487	50.610	50.000	1.2
alpha-Chlordane	5.181	5.081	5.281	47.540	50.000	-4.9
beta-BHC	4.018	3.919	4.119	49.810	50.000	-0.4
Decachlorobiphenyl	8.061	7.962	8.162	40.090	50.000	-19.8
delta-BHC	4.254	4.155	4.355	50.040	50.000	0.1
Dieldrin	5.503	5.404	5.604	47.030	50.000	-5.9
Endosulfan I	5.238	5.138	5.338	47.080	50.000	-5.8
Endosulfan II	6.072	5.972	6.172	44.570	50.000	-10.9
Endosulfan sulfate	6.473	6.374	6.574	42.870	50.000	-14.3
Endrin	5.780	5.681	5.881	44.370	50.000	-11.3
Endrin aldehyde	6.250	6.150	6.350	43.250	50.000	-13.5
Endrin ketone	6.982	6.883	7.083	41.610	50.000	-16.8
gamma-BHC (Lindane)	3.722	3.623	3.823	50.930	50.000	1.9
gamma-Chlordane	5.116	5.017	5.217	47.810	50.000	-4.4
Heptachlor	4.074	3.975	4.175	50.610	50.000	1.2
Heptachlor epoxide	4.864	4.764	4.964	48.290	50.000	-3.4
Methoxychlor	6.744	6.645	6.845	41.850	50.000	-16.3
Tetrachloro-m-xylene	2.873	2.775	2.975	51.790	50.000	3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 15:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:38:52 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...	3.549	2.873	164.3E6	1542.2E6	52.767	51.790
28)	SA Decachlor...	9.069	8.061	215.3E6	1214.5E6	46.026	40.095
Target Compounds							
2)	A alpha-BHC	3.998	3.386	383.2E6	2585.7E6	53.386	50.605
3)	MA gamma-BHC...	4.330	3.722	358.1E6	2406.2E6	52.670	50.925
4)	MA Heptachlor	4.927	4.074	332.8E6	2257.5E6	59.534	50.613
5)	MB Aldrin	5.268	4.360	331.5E6	2286.7E6	50.632	49.368
6)	B beta-BHC	4.517	4.018	136.4E6	987.7E6	52.085	49.810
7)	B delta-BHC	4.765	4.254	355.9E6	2387.6E6	52.628	50.037
8)	B Heptachlo...	5.687	4.864	295.5E6	2059.2E6	51.043m	48.293
9)	A Endosulfan I	6.072	5.238	270.4E6	1854.3E6	48.837	47.076
10)	B gamma-Chl...	5.944	5.116	289.6E6	2149.2E6	48.829	47.815
11)	B alpha-Chl...	6.024	5.181	314.4E6	2050.8E6	50.879	47.542
12)	B 4,4'-DDE	6.194	5.366	253.2E6	2075.0E6	47.542	47.334
13)	MA Dieldrin	6.345	5.503	284.5E6	2078.0E6	48.788	47.030
14)	MA Endrin	6.572	5.780	223.8E6	1796.7E6	45.183	44.370
15)	B Endosulfa...	6.785	6.072	234.1E6	1673.8E6	46.828	44.568
16)	A 4,4'-DDD	6.704	5.920	201.6E6	1696.4E6	49.725	46.555
17)	MA 4,4'-DDT	7.019	6.173	180.3E6	1520.8E6	43.875	43.362
18)	B Endrin al...	6.914	6.250	169.5E6	1197.7E6	46.274	43.249
19)	B Endosulfa...	7.148	6.473	211.6E6	1536.6E6	45.621	42.867
20)	A Methoxychlor	7.492	6.744	91534616	729.3E6	43.063	41.850
21)	B Endrin ke...	7.629	6.982	223.7E6	1569.4E6	46.042	41.609
22)	Mirex	8.111	7.175	155.6E6	1114.6E6	48.601	43.387

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

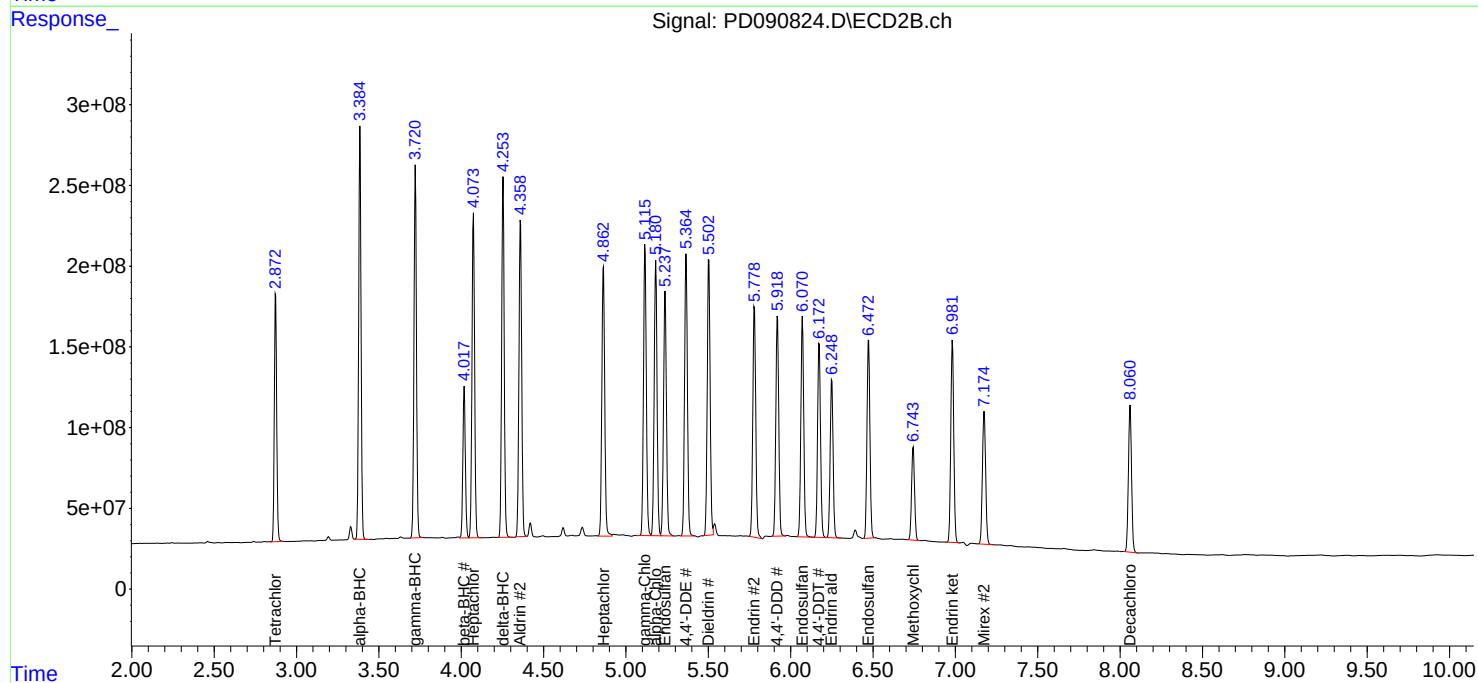
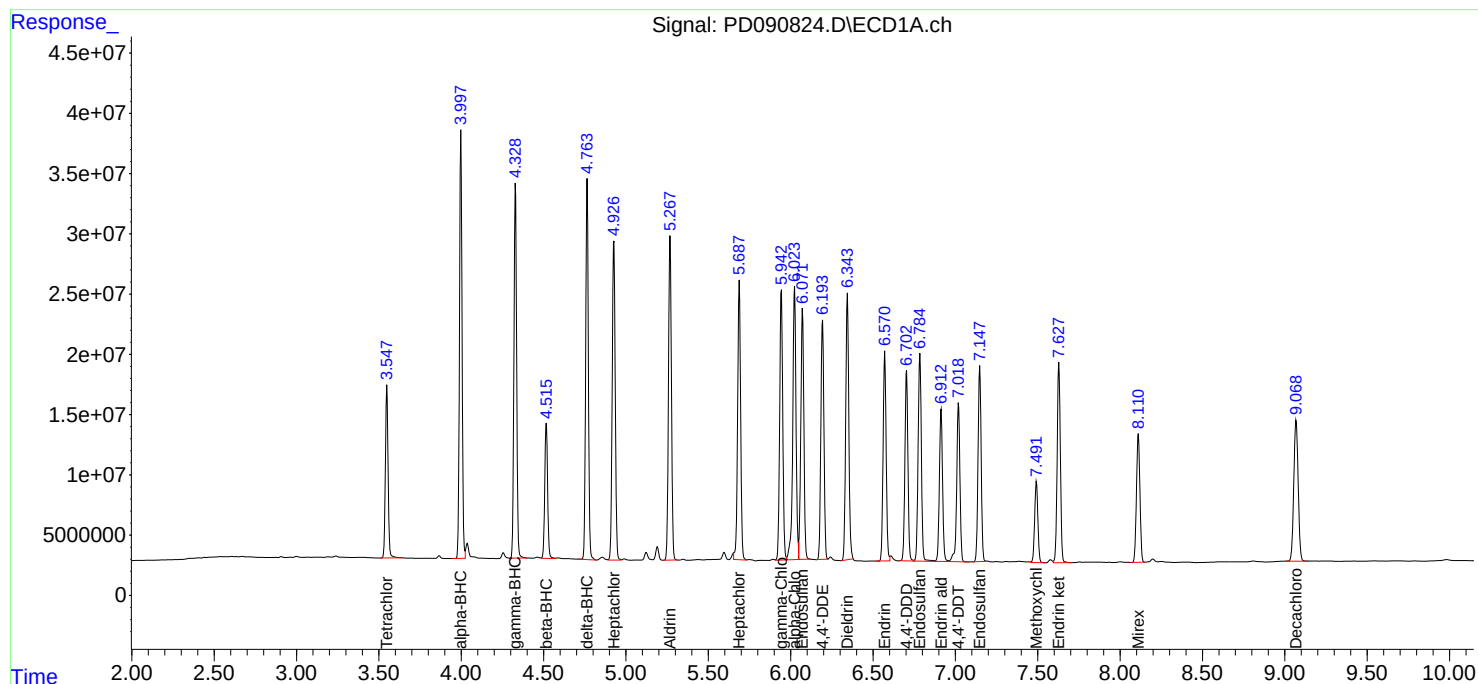
APPROVED

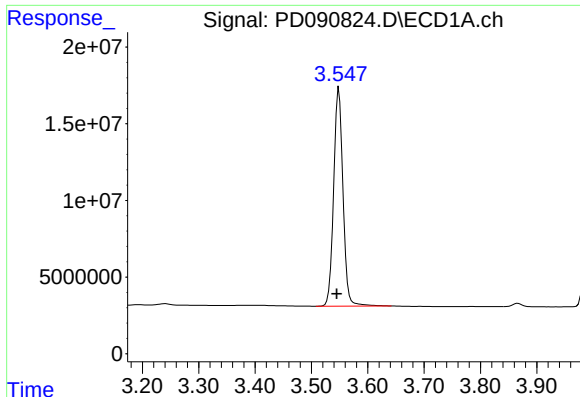
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:52 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





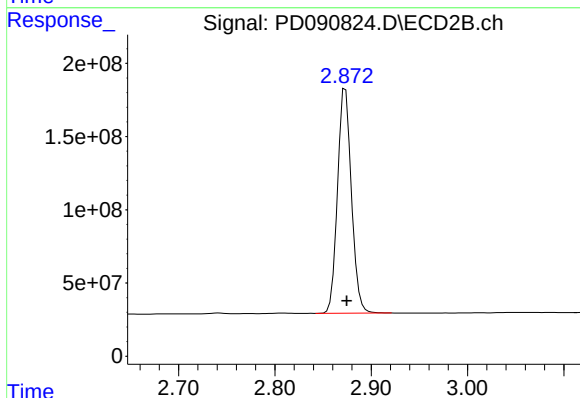
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 164325660
Conc: 52.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

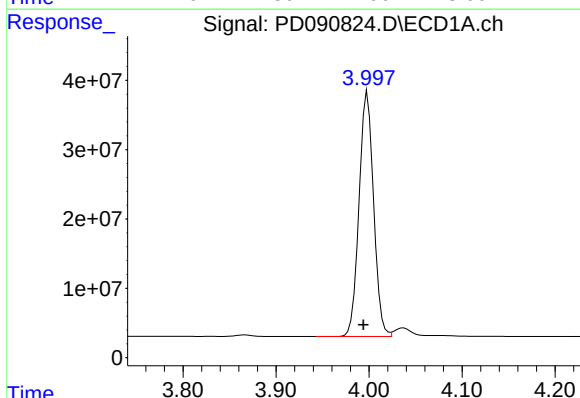
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



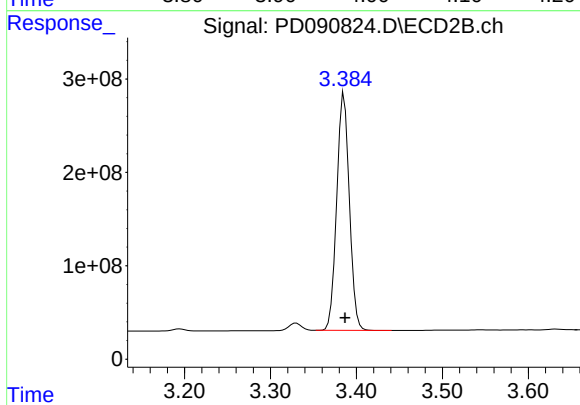
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 1542172600
Conc: 51.79 ng/ml



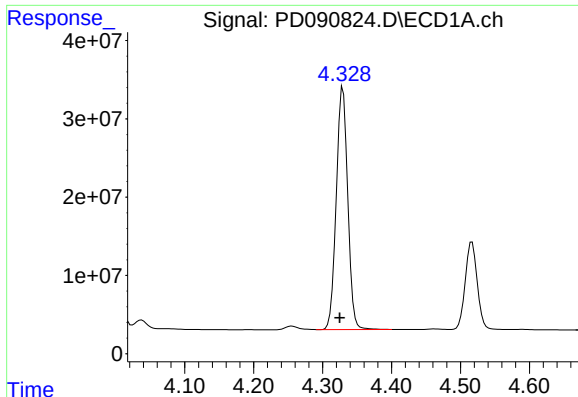
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 383158495
Conc: 53.39 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2585711678
Conc: 50.61 ng/ml



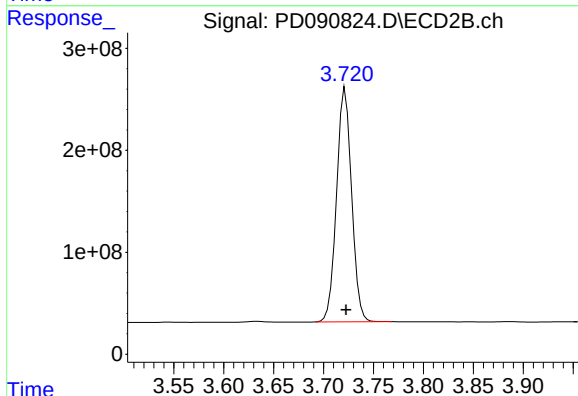
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.005 min
Response: 358095743
Conc: 52.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

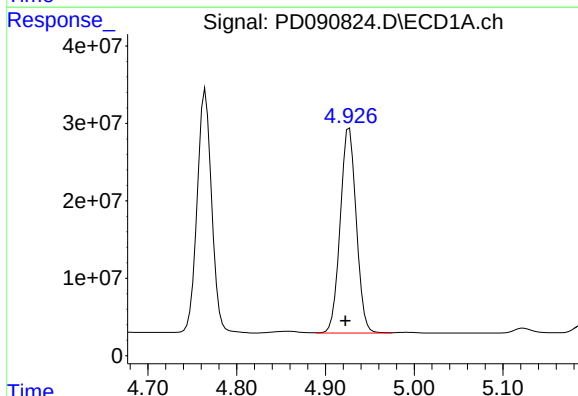
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



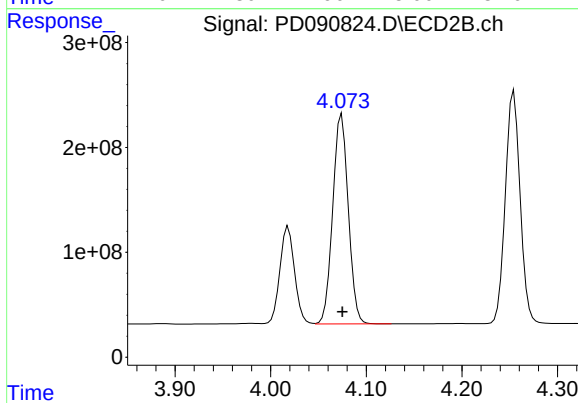
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2406154207
Conc: 50.93 ng/ml



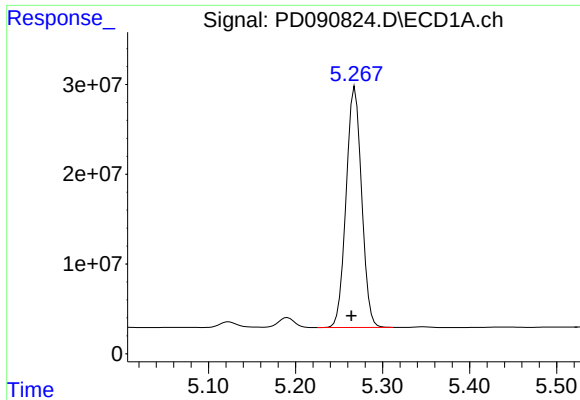
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 332766879
Conc: 59.53 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2257481677
Conc: 50.61 ng/ml



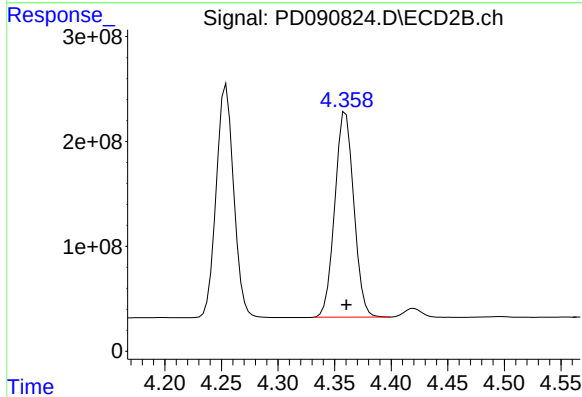
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 331500646
Conc: 50.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

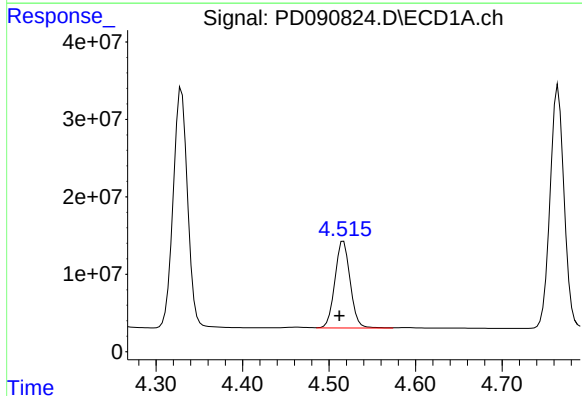
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



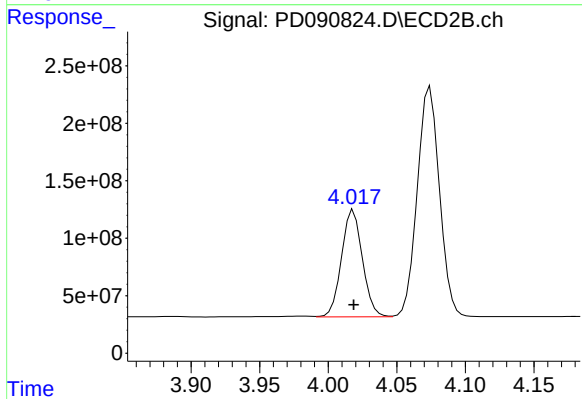
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2286688455
Conc: 49.37 ng/ml



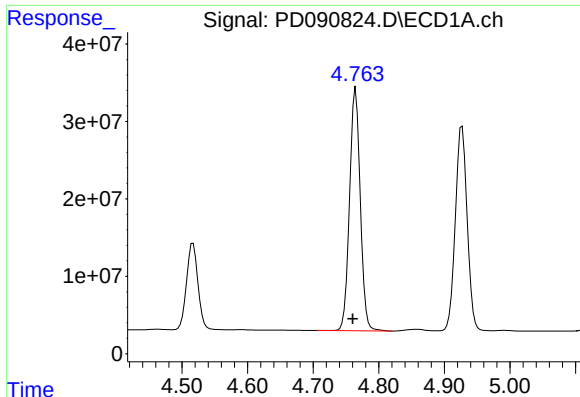
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.005 min
Response: 136442714
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 987700923
Conc: 49.81 ng/ml



#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.005 min
Response: 355857317
Conc: 52.63 ng/ml

Instrument :

ECD_D

ClientSampleId :

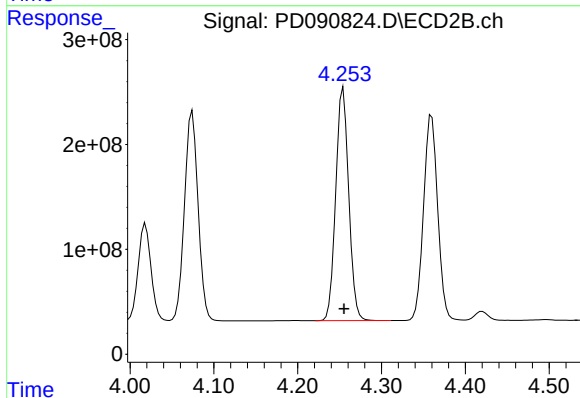
PSTDCCC050

Manual Integrations

APPROVED

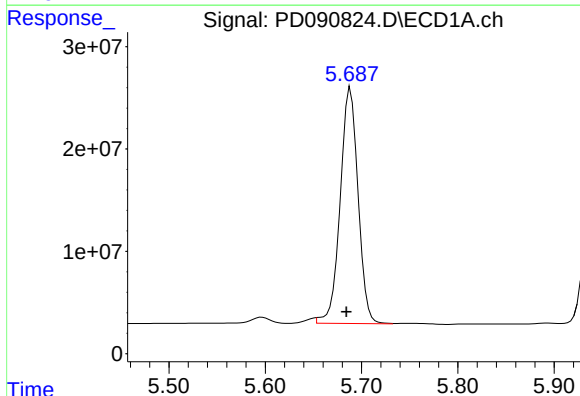
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



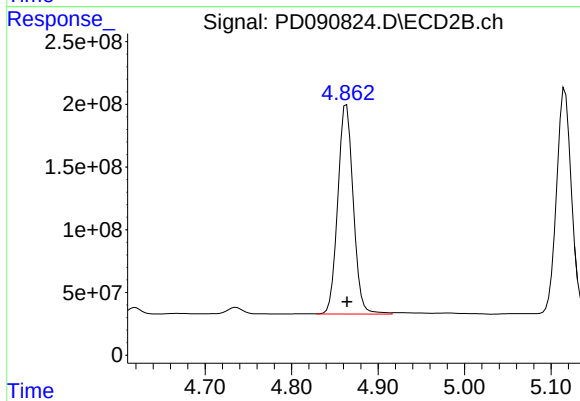
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2387594453
Conc: 50.04 ng/ml



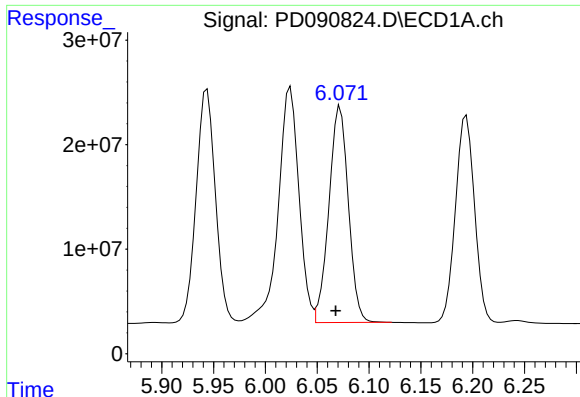
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.003 min
Response: 295490314
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2059163889
Conc: 48.29 ng/ml



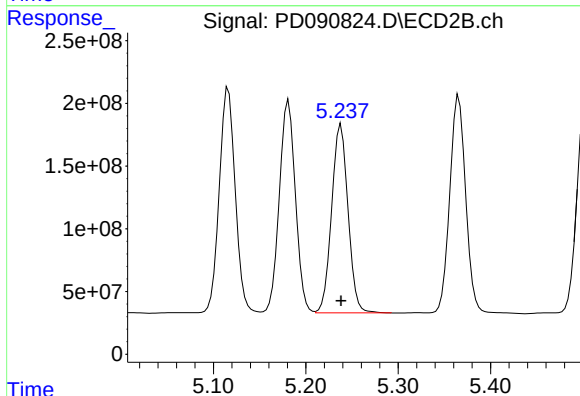
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 270395428
Conc: 48.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

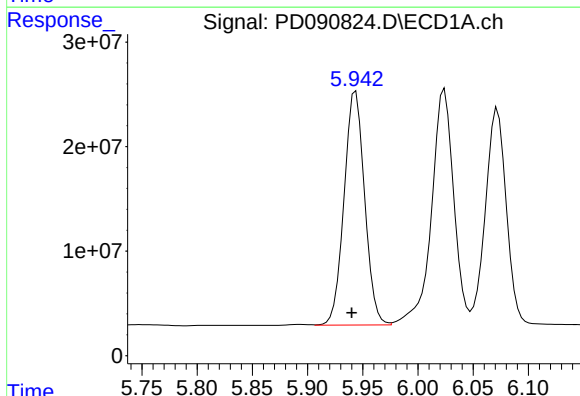
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



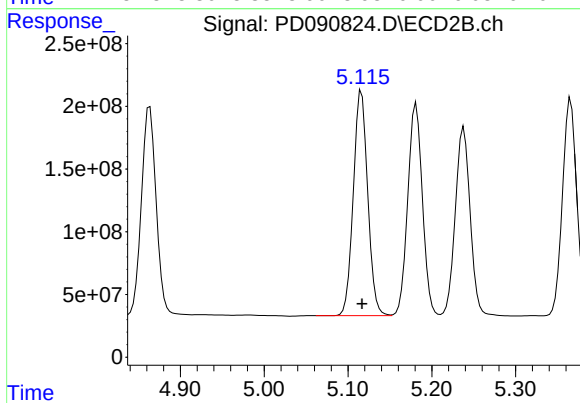
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1854325873
Conc: 47.08 ng/ml



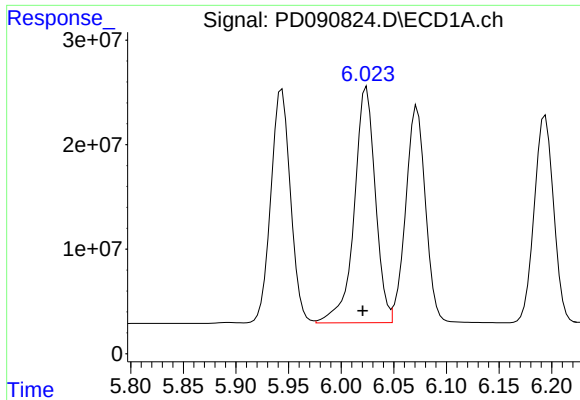
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 289615862
Conc: 48.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2149215777
Conc: 47.81 ng/ml



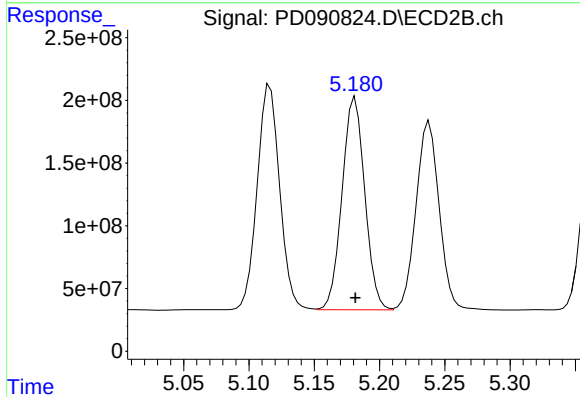
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.004 min
Response: 314447569
Conc: 50.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

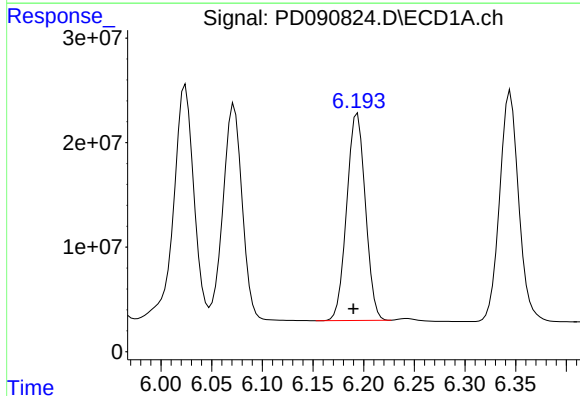
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



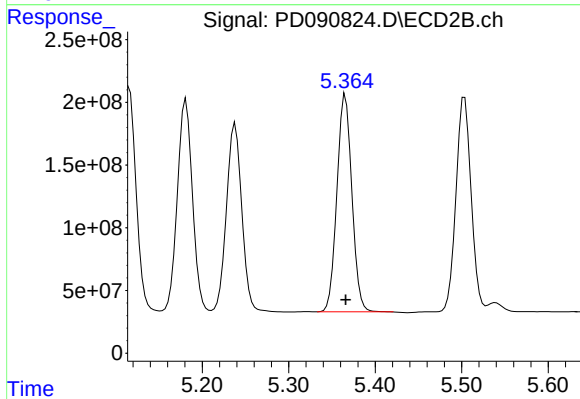
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2050844940
Conc: 47.54 ng/ml



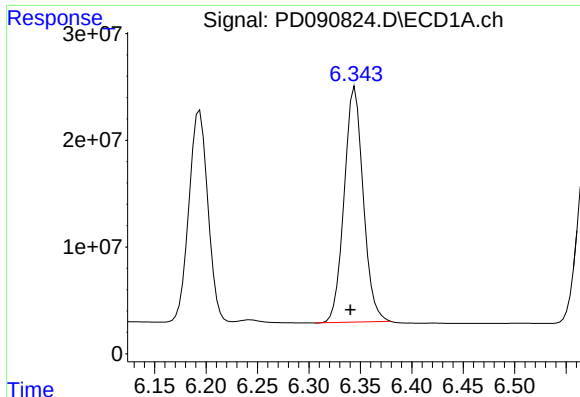
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 253238360
Conc: 47.54 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2075024035
Conc: 47.33 ng/ml



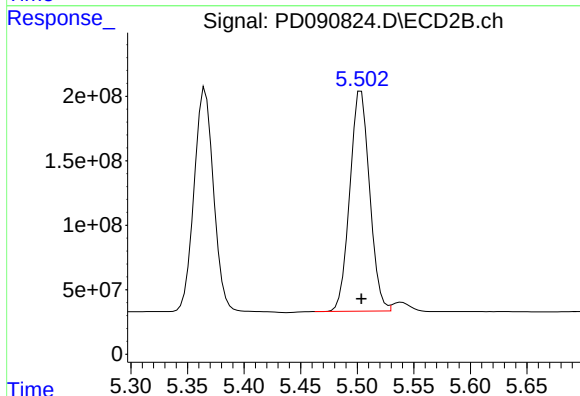
#13 Dieldrin

R.T.: 6.345 min
 Delta R.T.: 0.004 min
 Response: 284502279
 Conc: 48.79 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

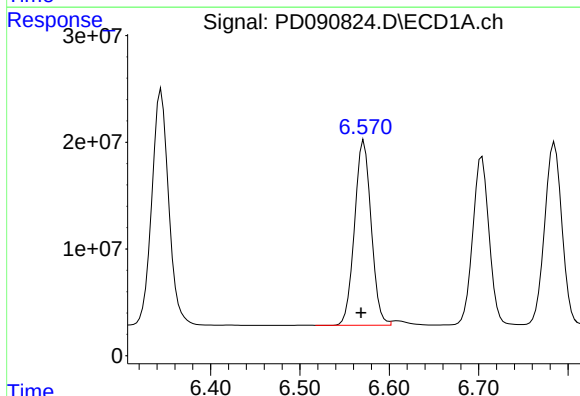
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025



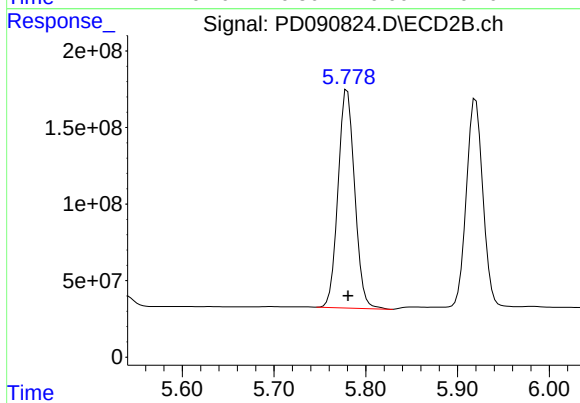
#13 Dieldrin

R.T.: 5.503 min
 Delta R.T.: 0.000 min
 Response: 2077983180
 Conc: 47.03 ng/ml



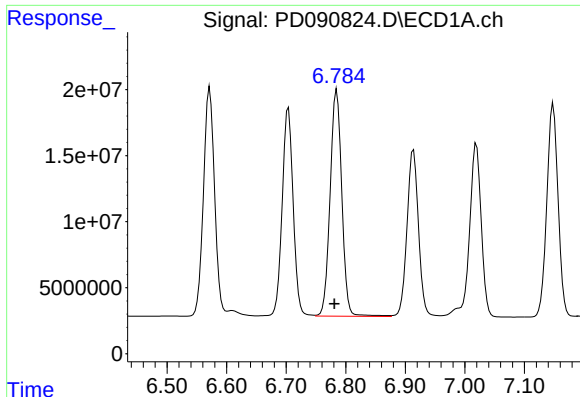
#14 Endrin

R.T.: 6.572 min
 Delta R.T.: 0.004 min
 Response: 223824292
 Conc: 45.18 ng/ml



#14 Endrin

R.T.: 5.780 min
 Delta R.T.: 0.000 min
 Response: 1796701711
 Conc: 44.37 ng/ml



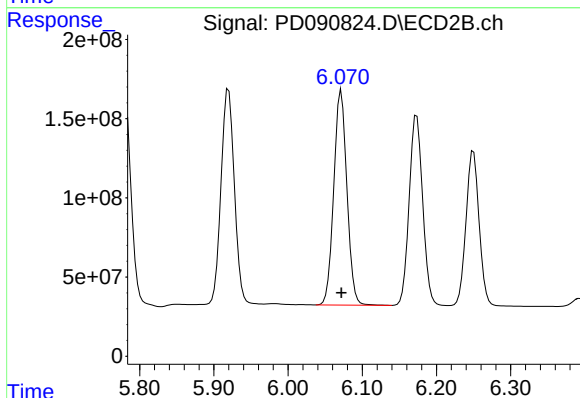
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.004 min
Response: 234140510
Conc: 46.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

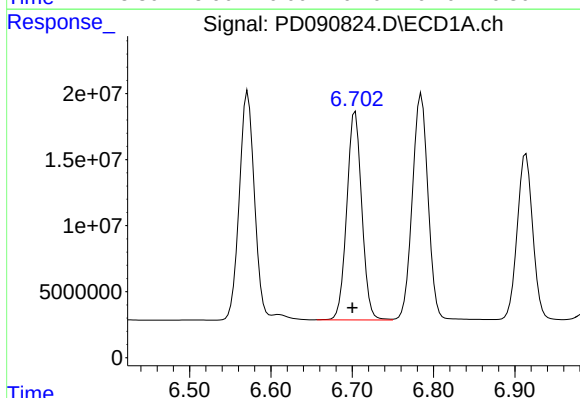
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



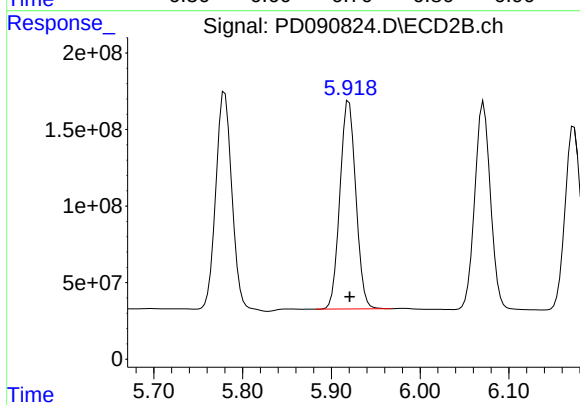
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1673755976
Conc: 44.57 ng/ml



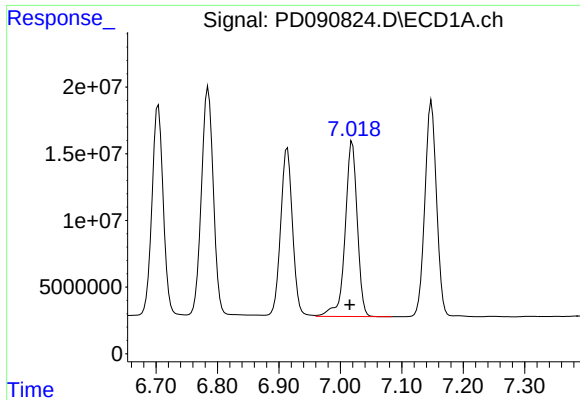
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.004 min
Response: 201594673
Conc: 49.72 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1696372854
Conc: 46.56 ng/ml



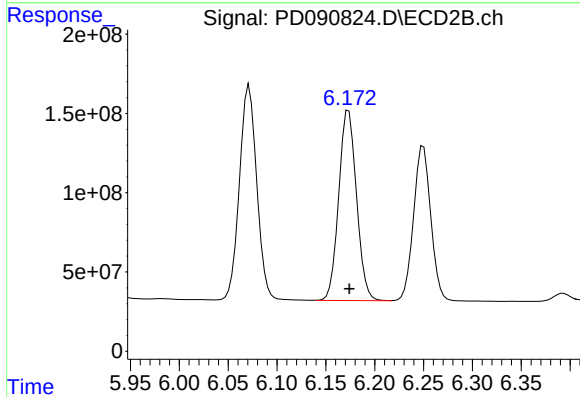
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 180348186
Conc: 43.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

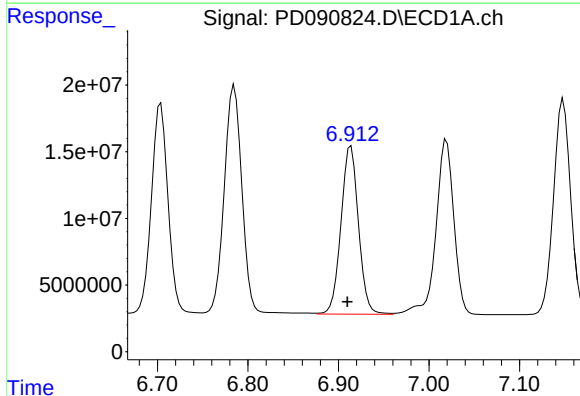
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



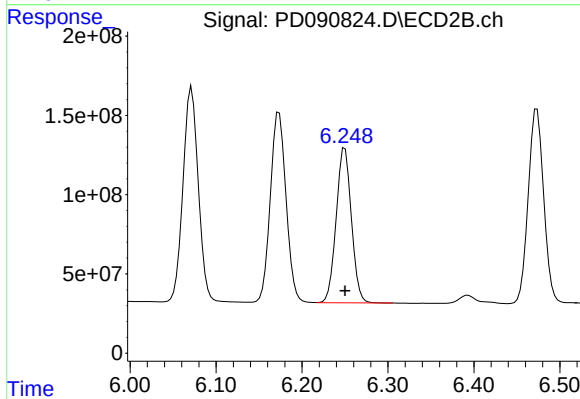
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1520822162
Conc: 43.36 ng/ml



#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.004 min
Response: 169488712
Conc: 46.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1197685185
Conc: 43.25 ng/ml

Response_ Signal: PD090824.D\ECD1A.ch

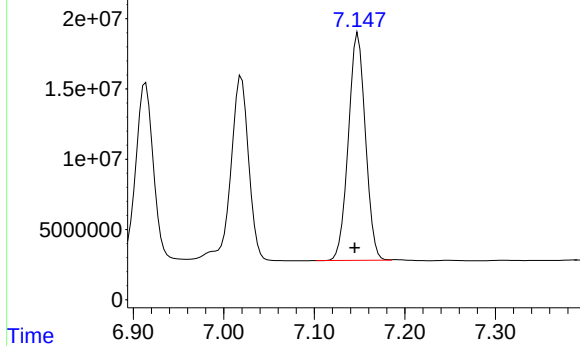
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.004 min
Response: 211599616
Conc: 45.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

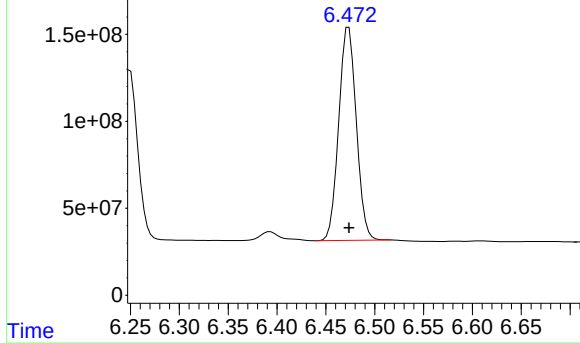
Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



Response_ Signal: PD090824.D\ECD2B.ch

#19 Endosulfan Sulfate

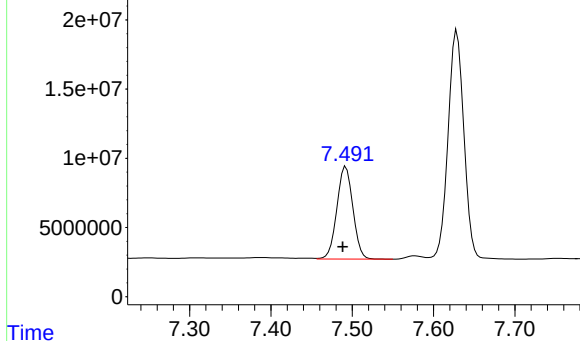
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1536560752
Conc: 42.87 ng/ml



Response_ Signal: PD090824.D\ECD1A.ch

#20 Methoxychlor

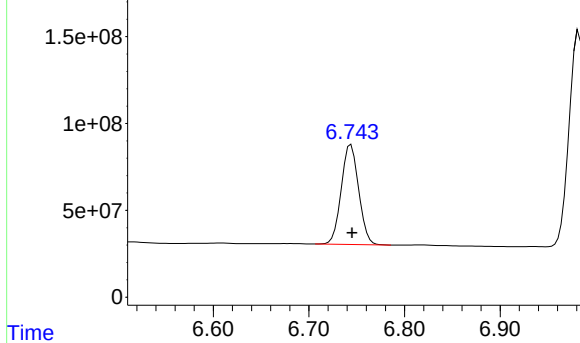
R.T.: 7.492 min
Delta R.T.: 0.004 min
Response: 91534616
Conc: 43.06 ng/ml



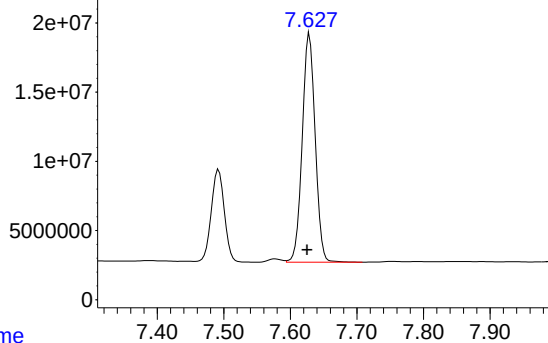
Response_ Signal: PD090824.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 729346988
Conc: 41.85 ng/ml



Response_ Signal: PD090824.D\ECD1A.ch



#21 Endrin ketone

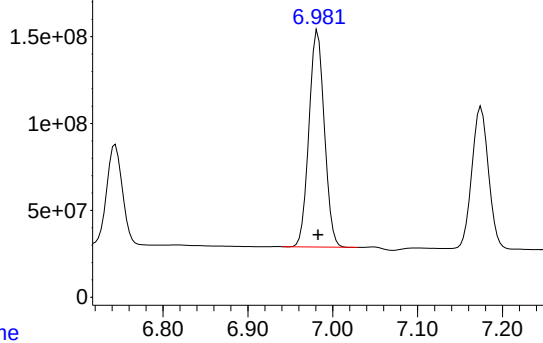
R.T.: 7.629 min
Delta R.T.: 0.004 min
Response: 223711994
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

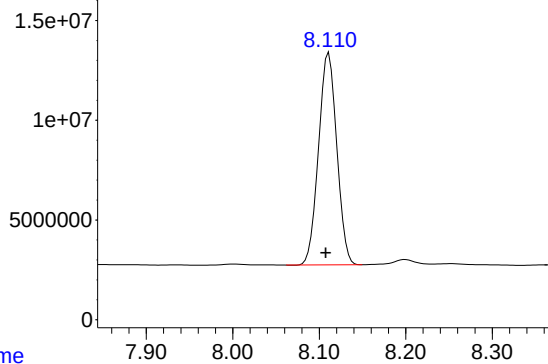
Time Response_ Signal: PD090824.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1569407204
Conc: 41.61 ng/ml

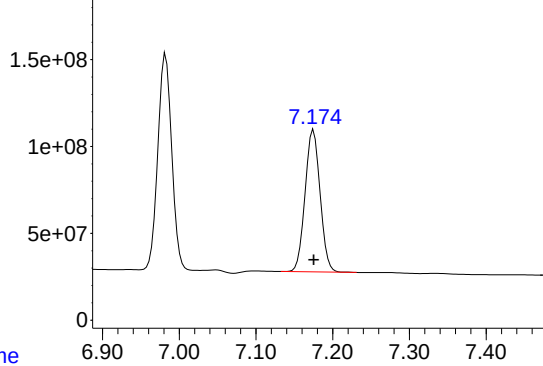
Time Response_ Signal: PD090824.D\ECD1A.ch



#22 Mirex

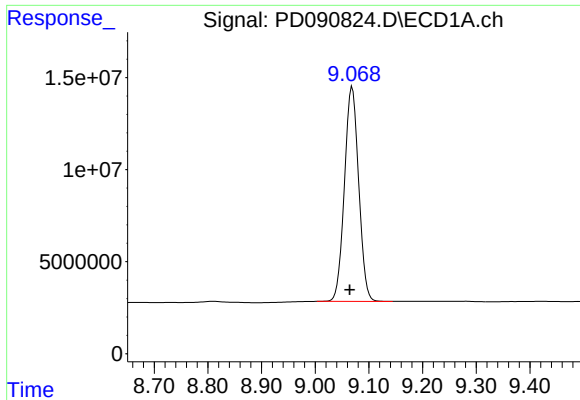
R.T.: 8.111 min
Delta R.T.: 0.004 min
Response: 155564089
Conc: 48.60 ng/ml

Time Response_ Signal: PD090824.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1114644700
Conc: 43.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.005 min
Response: 215306456
Conc: 46.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

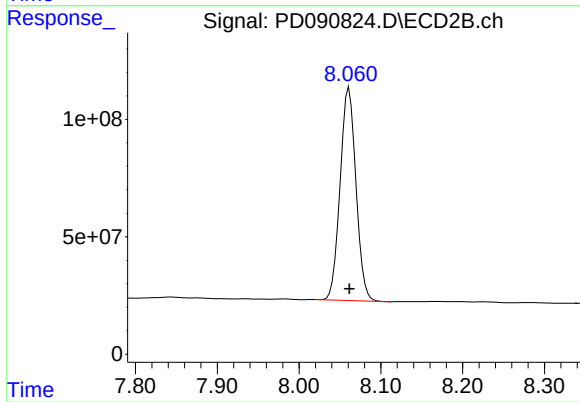
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 1214523963
Conc: 40.09 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

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

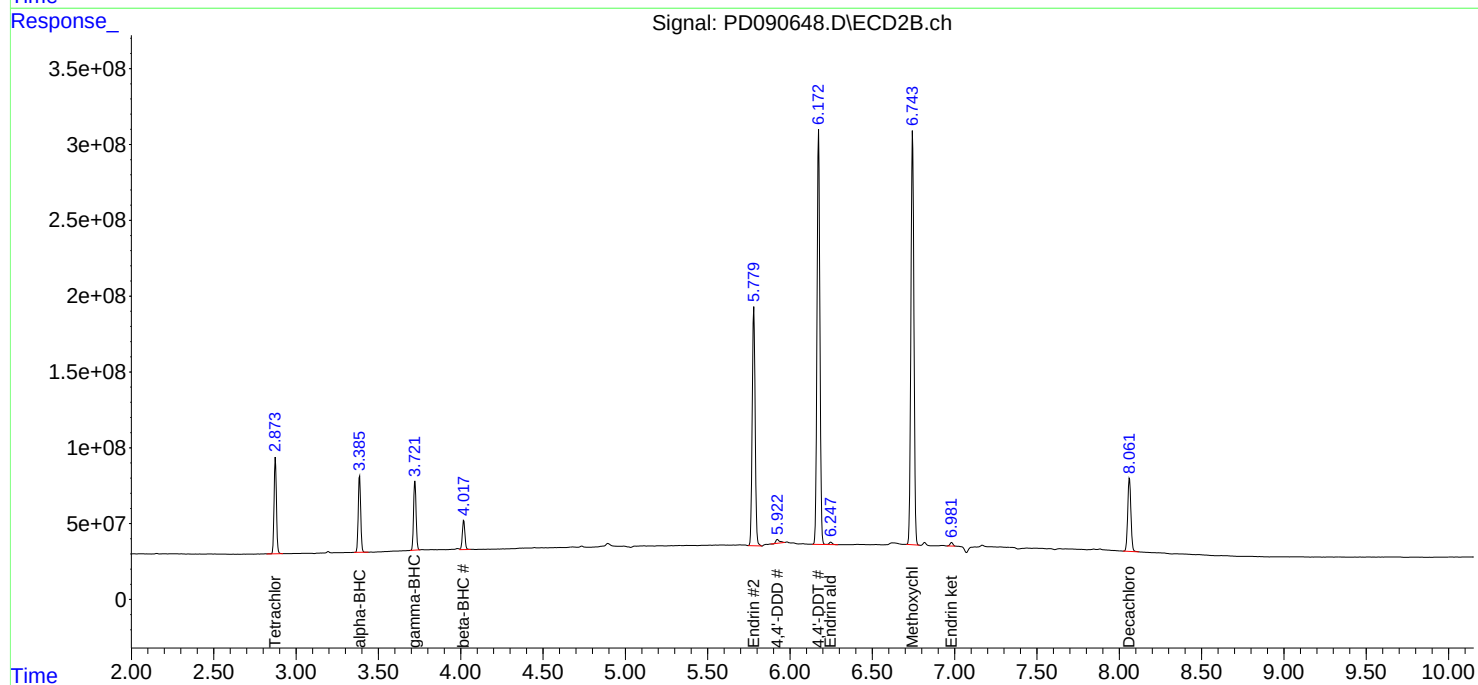
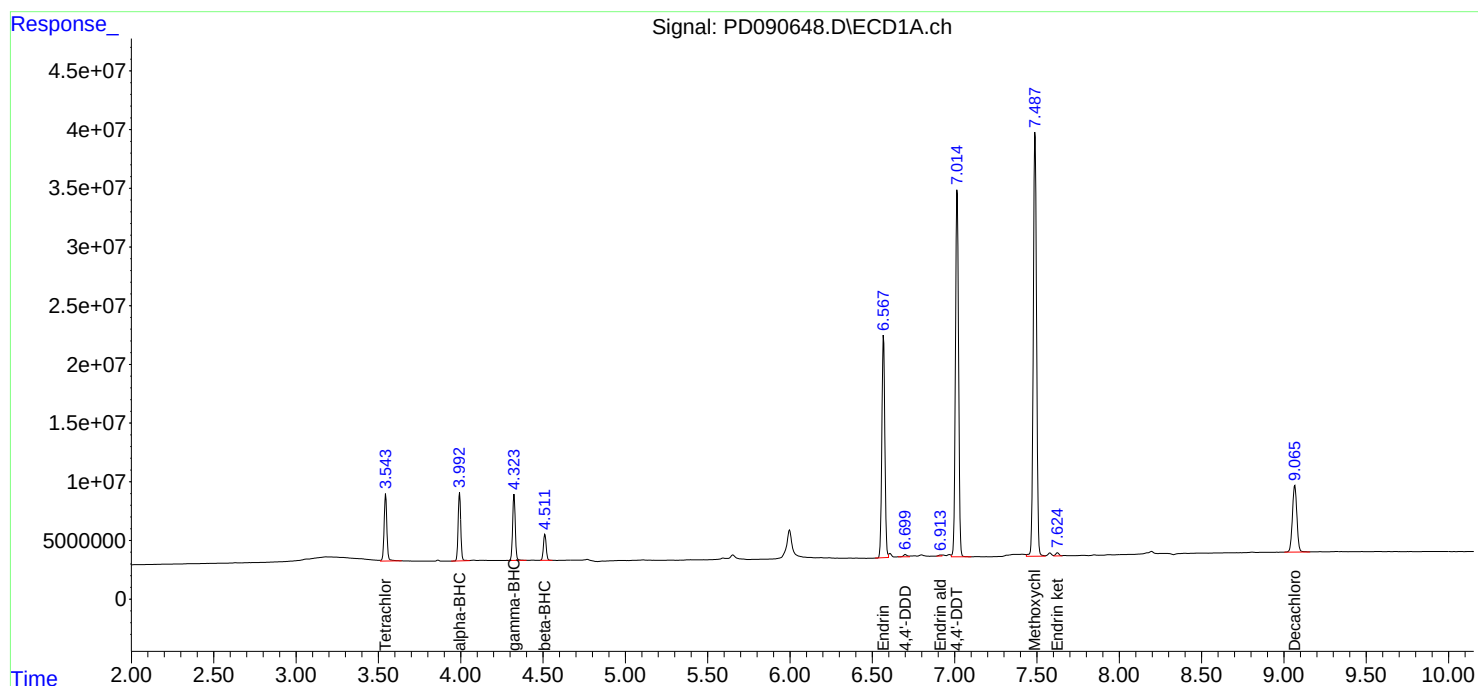
Instrument :
ECD_D
ClientSampleId :
PEM

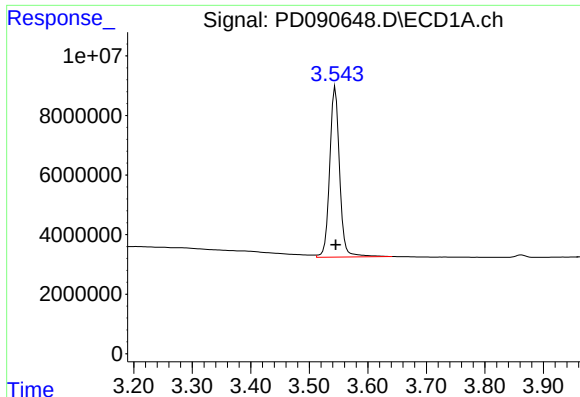
Manual Integrations
APPROVED

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





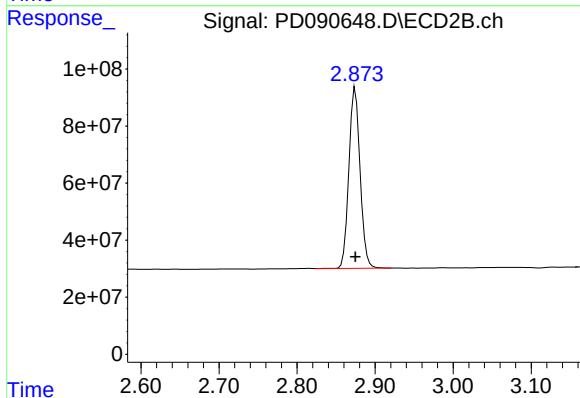
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PEM

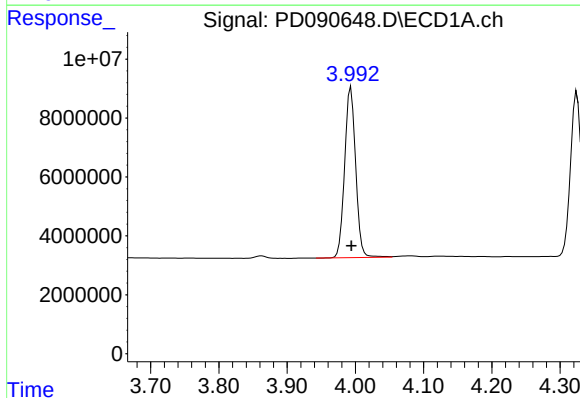
Manual Integrations
APPROVED

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



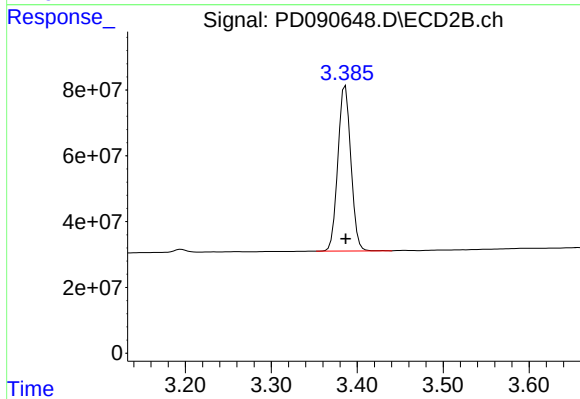
#1 Tetrachloro-m-xylene

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



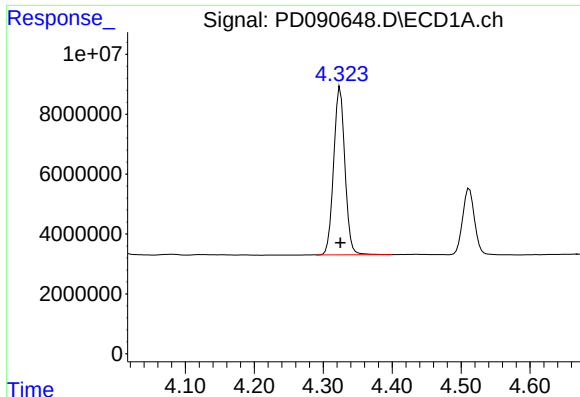
#2 alpha-BHC

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



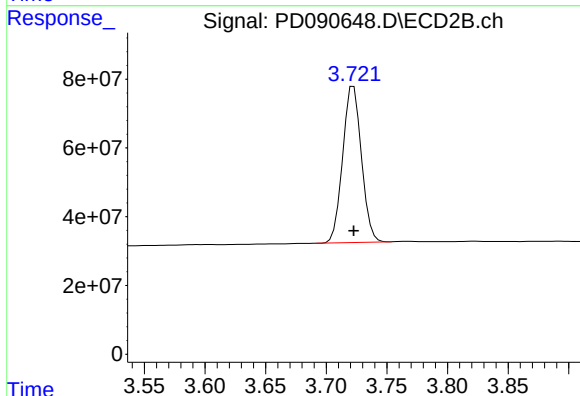
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_D
ClientSampleId :
PEM

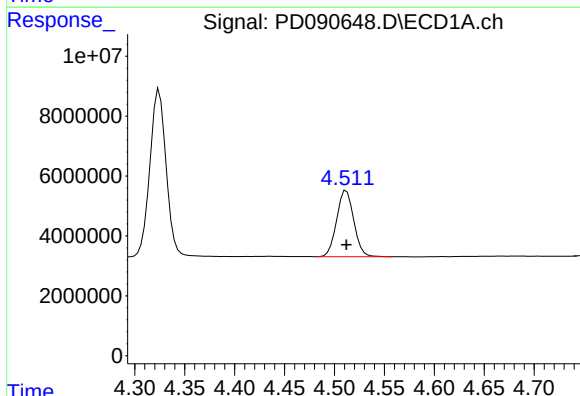
Manual Integrations
APPROVED

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



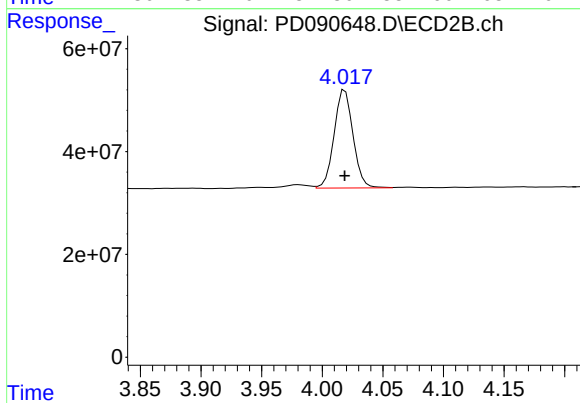
#3 gamma-BHC (Lindane)

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



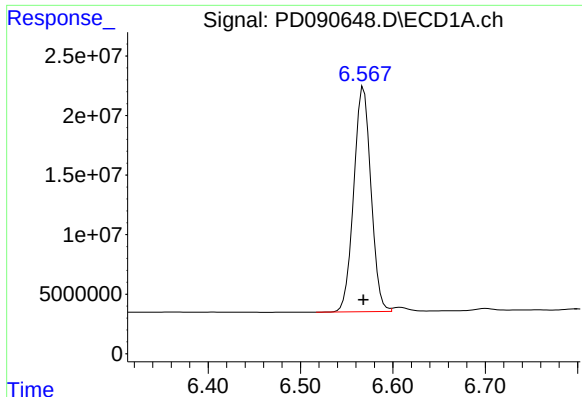
#6 beta-BHC

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



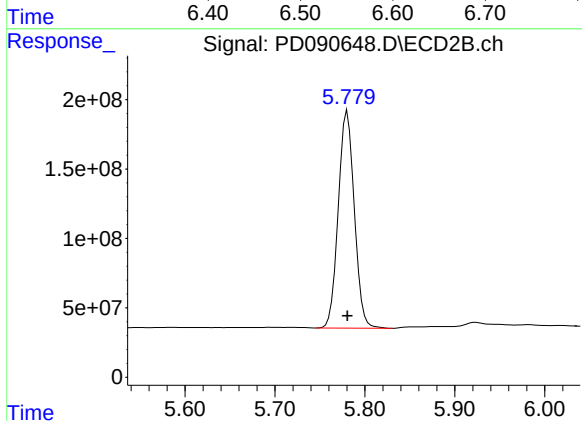
#14 Endrin

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

Instrument :
ECD_D
ClientSampleId :
PEM

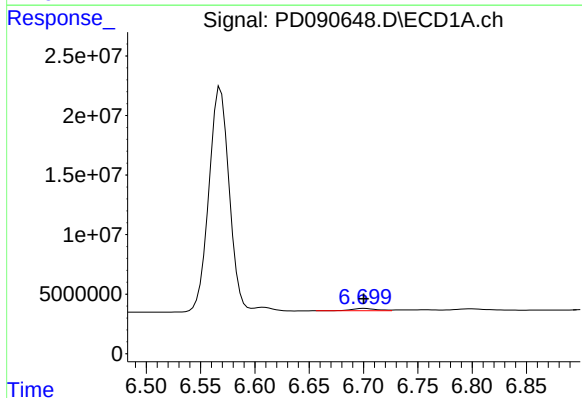
Manual Integrations
APPROVED

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



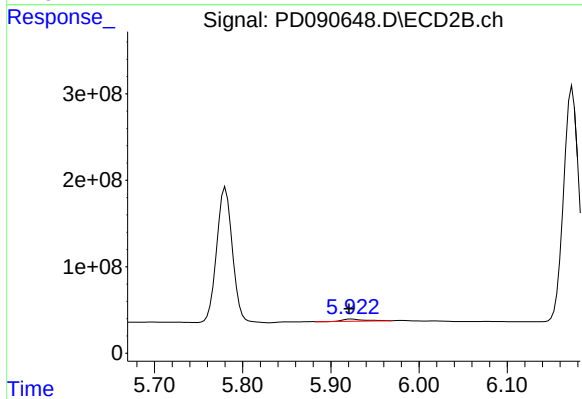
#14 Endrin

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



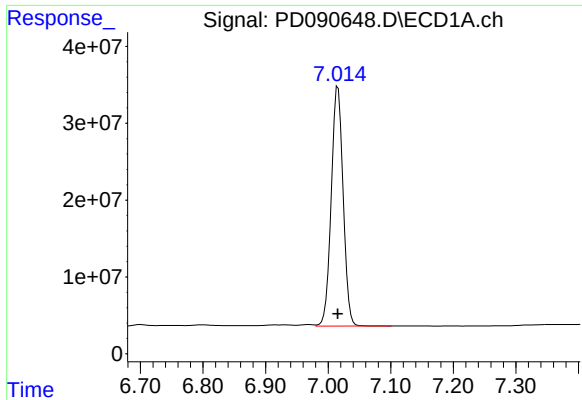
#16 4,4'-DDD

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



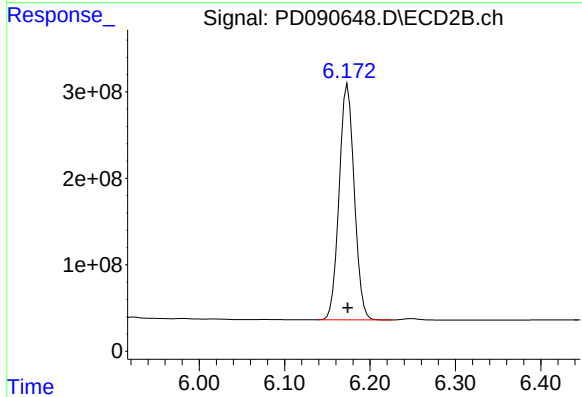
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PEM

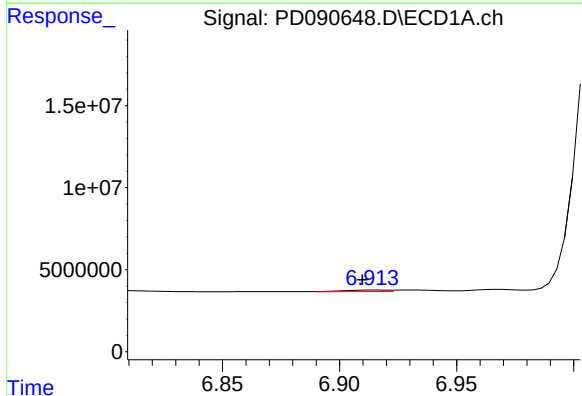
Manual Integrations
APPROVED

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



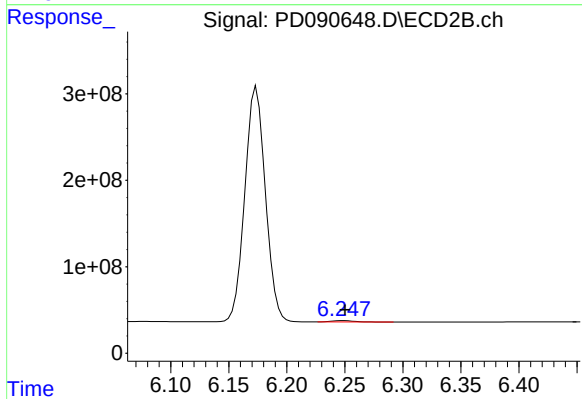
#17 4,4'-DDT

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



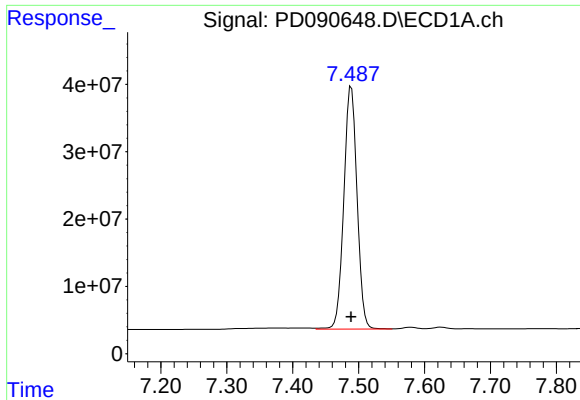
#18 Endrin aldehyde

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



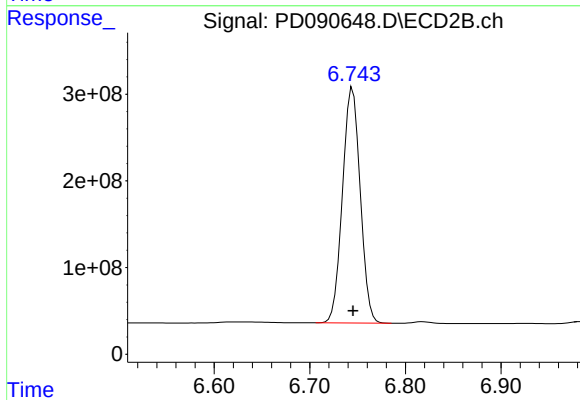
#20 Methoxychlor

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

Instrument :
ECD_D
ClientSampleId :
PEM

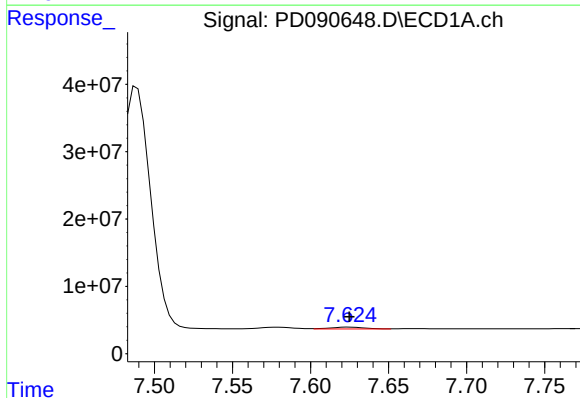
Manual Integrations
APPROVED

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



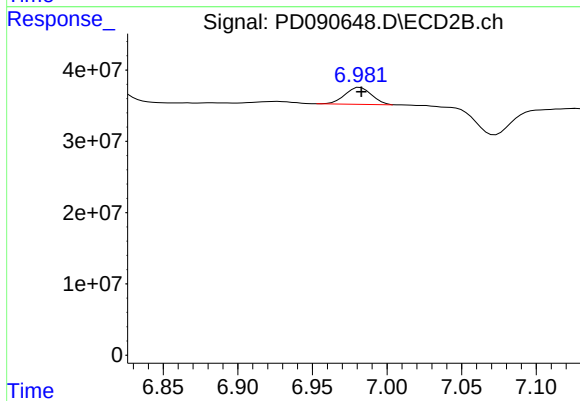
#20 Methoxychlor

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



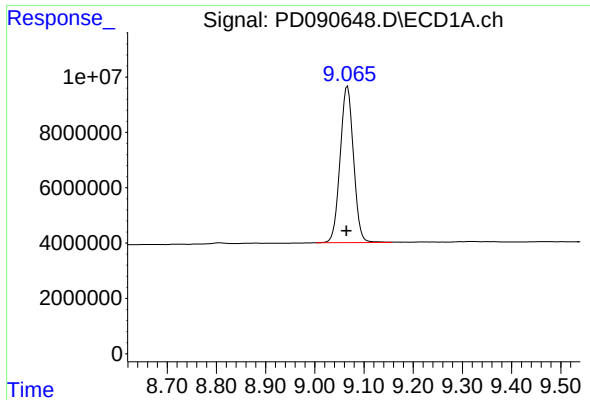
#21 Endrin ketone

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



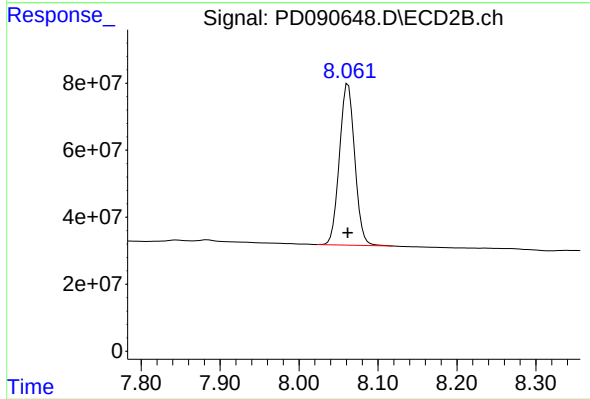
#28 Decachlorobiphenyl

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.: Q3424

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
 PD090776.D Date Acquired 10/23/2025 9:38
 Operator: 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	Down 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

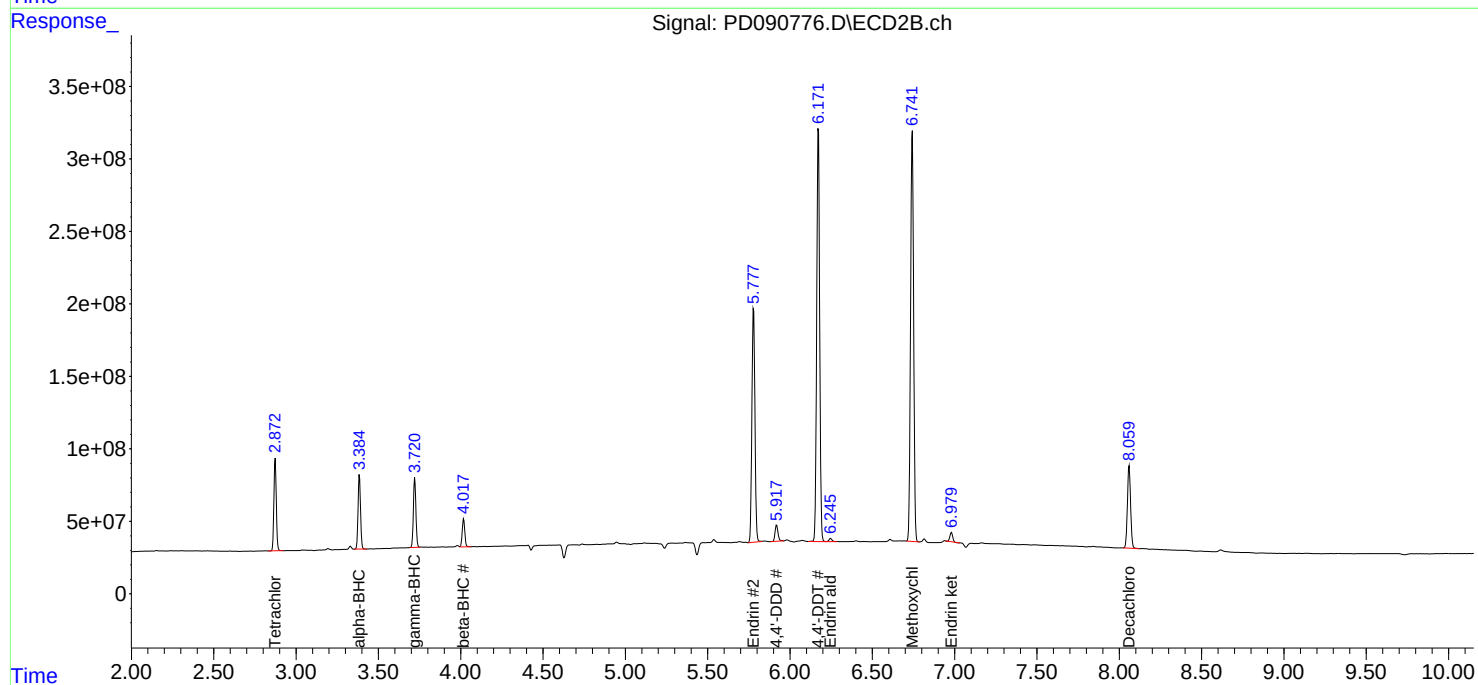
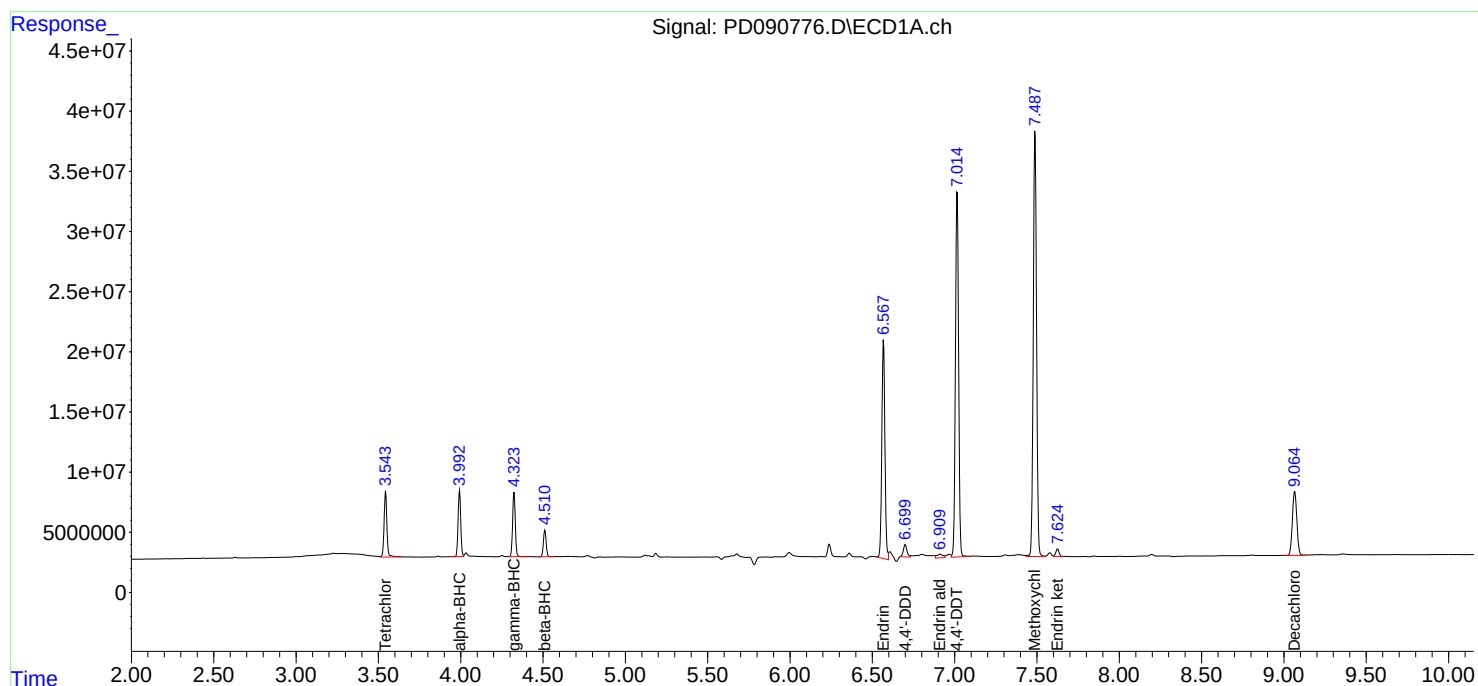
Instrument :
ECD_D
ClientSampleId :
PEM

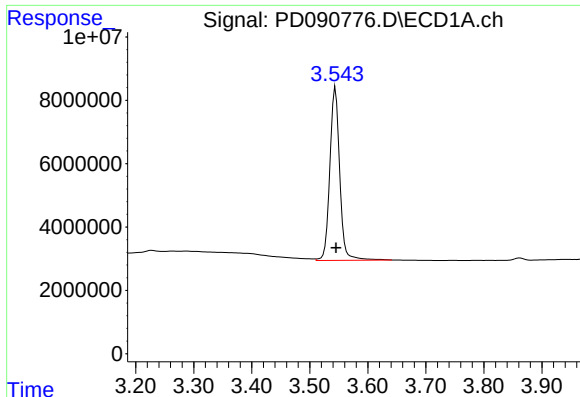
Manual Integrations
APPROVED

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





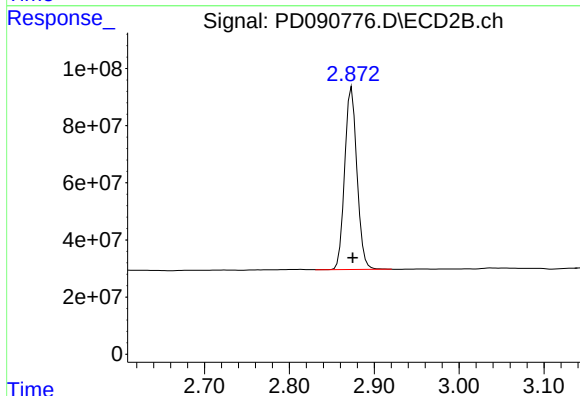
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PEM

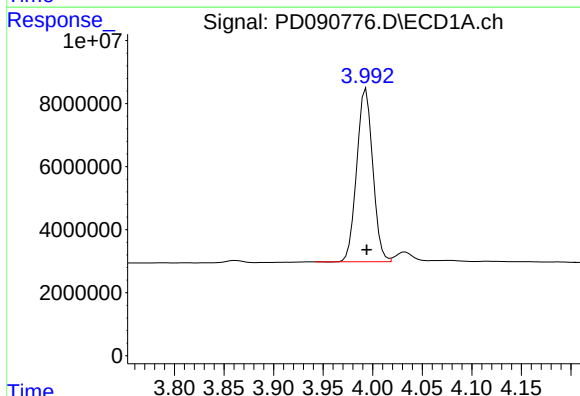
Manual Integrations
APPROVED

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



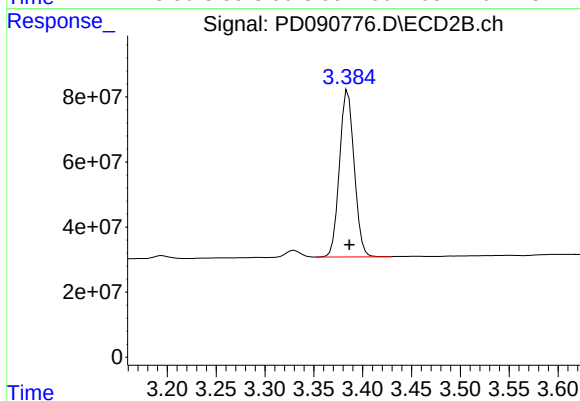
#1 Tetrachloro-m-xylene

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



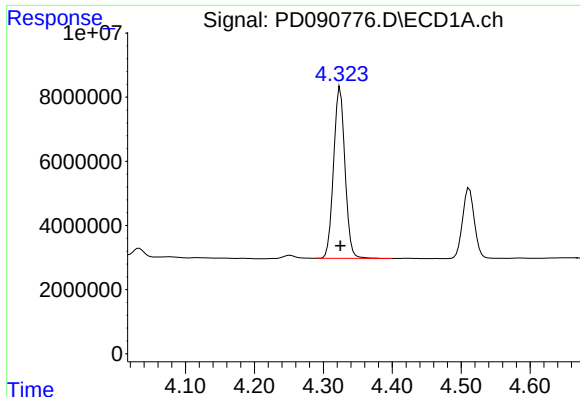
#2 alpha-BHC

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



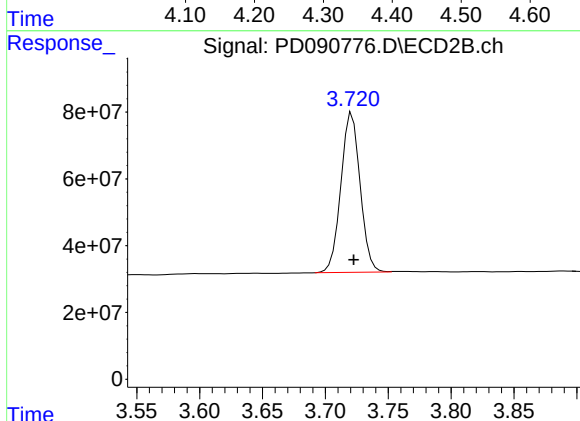
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_D
ClientSampleId :
PEM

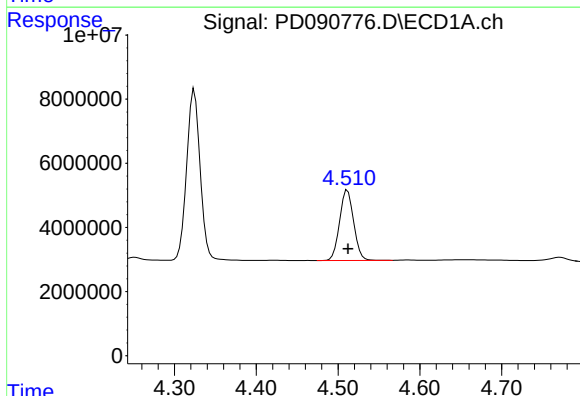
Manual Integrations
APPROVED

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



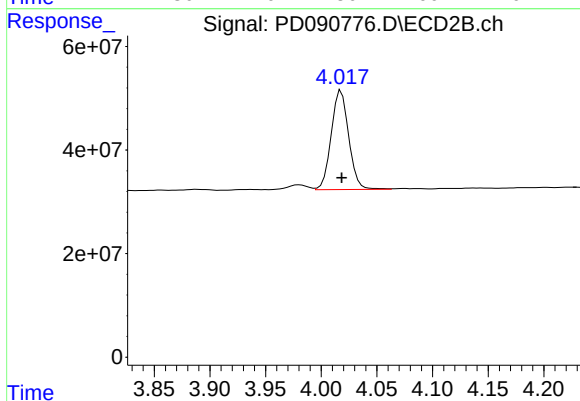
#3 gamma-BHC (Lindane)

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



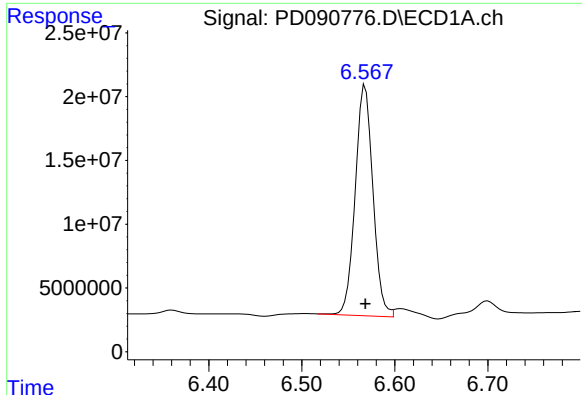
#6 beta-BHC

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



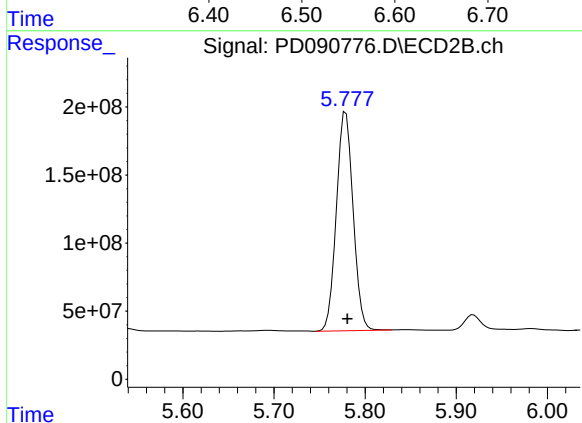
#14 Endrin

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

Instrument :
ECD_D
ClientSampleId :
PEM

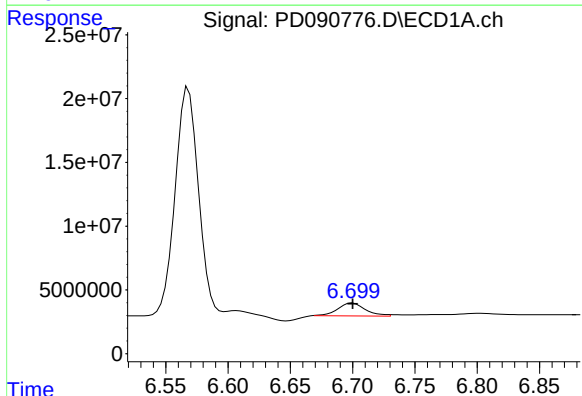
Manual Integrations
APPROVED

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



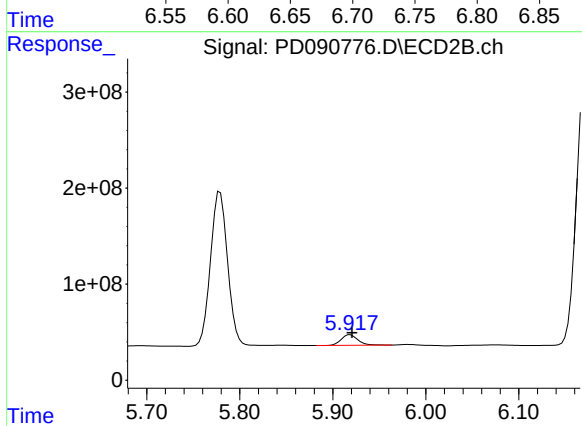
#14 Endrin

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



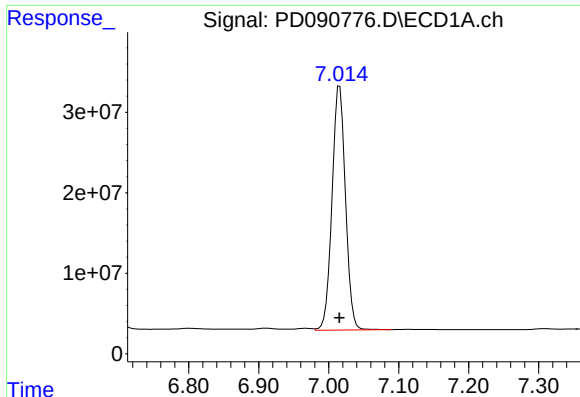
#16 4,4'-DDD

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



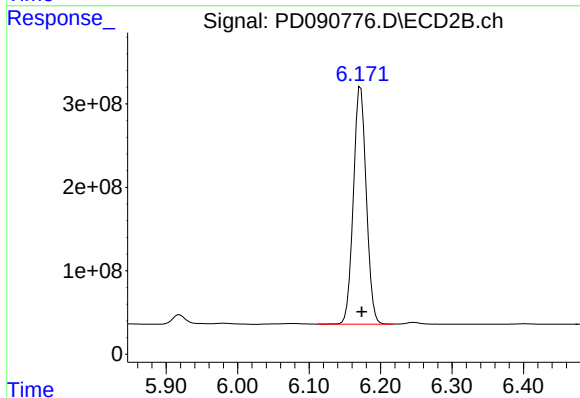
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PEM

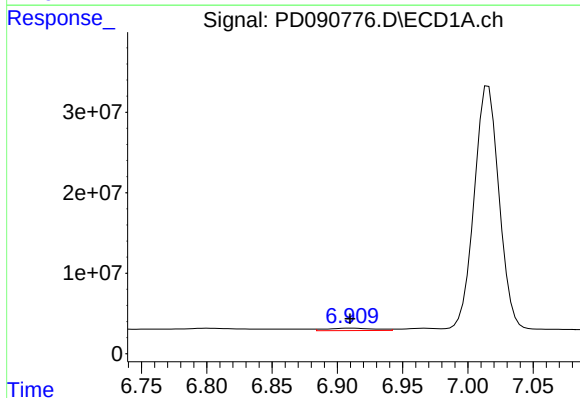
Manual Integrations
APPROVED

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



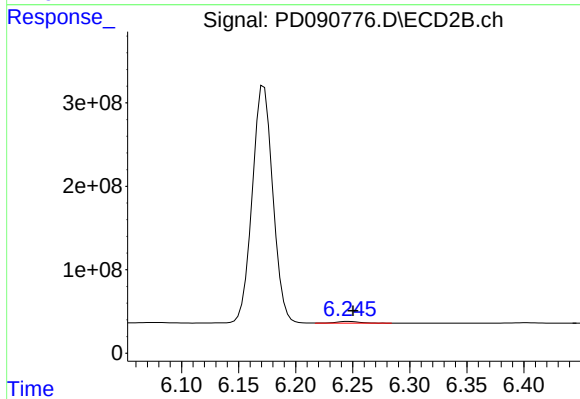
#17 4,4'-DDT

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



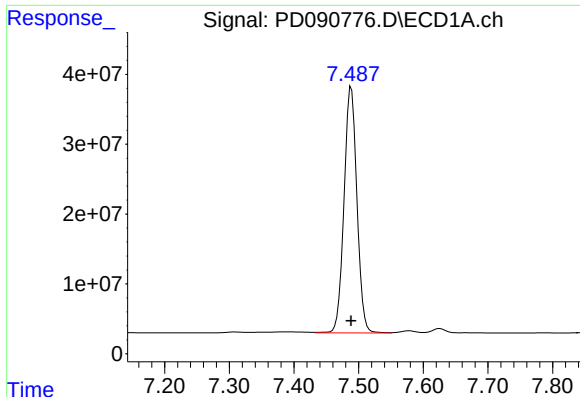
#18 Endrin aldehyde

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



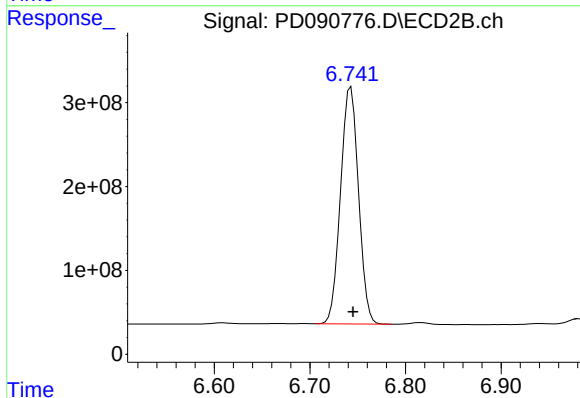
#20 Methoxychlor

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

Instrument :
ECD_D
ClientSampleId :
PEM

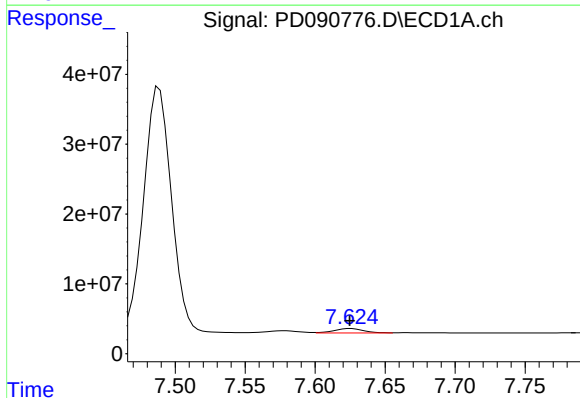
Manual Integrations
APPROVED

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



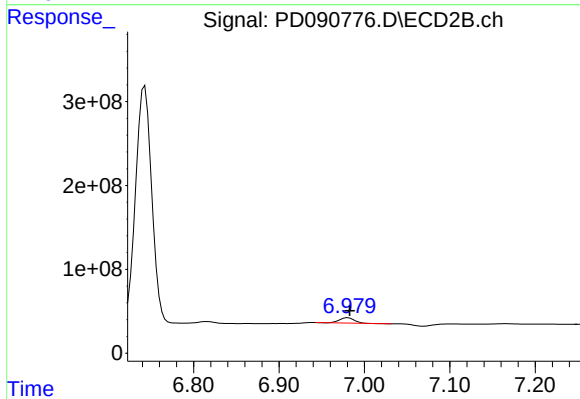
#20 Methoxychlor

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



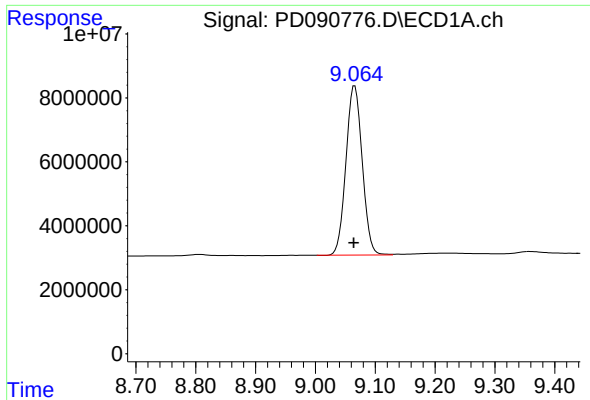
#21 Endrin ketone

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



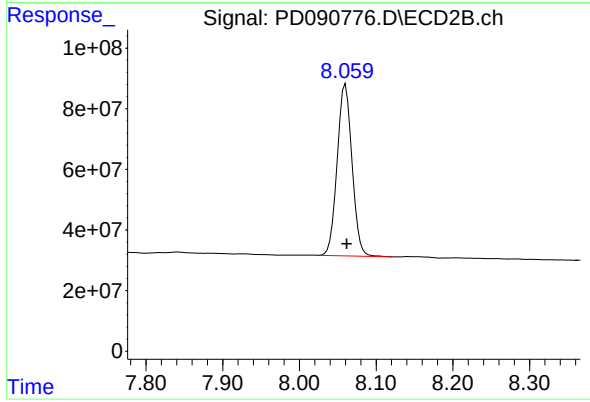
#28 Decachlorobiphenyl

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

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

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.064	8.960	9.160	22.330	20.000	11.7
Tetrachloro-m-xylene	3.544	3.490	3.590	21.490	20.000	7.5
alpha-BHC	3.993	3.940	4.040	9.010	10.000	-9.9
beta-BHC	4.511	4.460	4.560	10.370	10.000	3.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.370	10.000	-6.3
Endrin	6.567	6.500	6.640	48.070	50.000	-3.9
4,4'-DDT	7.014	6.940	7.080	96.170	100.000	-3.8
Methoxychlor	7.487	7.420	7.560	225.780	250.000	-9.7

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

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	24.810	20.000	24.1
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.480	10.000	4.8
beta-BHC	4.017	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.650	10.000	6.5
Endrin	5.778	5.710	5.850	49.240	50.000	-1.5
4,4'-DDT	6.172	6.100	6.240	96.190	100.000	-3.8
Methoxychlor	6.742	6.670	6.810	201.080	250.000	-19.6

PEM
 Data File: PD090809.D Date Acquired 10/24/2025 10:10
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	238145829.3	254166818.1	16020988.9	6.30
Endrin aldehyde	6.91	2930966.66			
Endrin ketone	7.62	13090022.22			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1993830831	2139435791	145604960	6.81
Endrin aldehyde #2	6.25	33720803.16			
Endrin ketone #2	6.98	111884157.2			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.01	395319383.9	417572336.6	22252952.7	5.33
4,4'-DDE	6.19	688779.733			
4,4'-DDD	6.70	21564172.93			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3373614500	3581824149	208209650	5.81
4,4'-DDE #2	5.36	6388394.054			
4,4'-DDD #2	5.92	201821255.5			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090809.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:10
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:17 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	66932917	639.1E6	21.493	21.463
28)	SA Decachlor...	9.064	8.059	104.5E6	751.5E6	22.332	24.808
Target Compounds							
2)	A alpha-BHC	3.993	3.385	64700224	535.7E6	9.015	10.484
3)	MA gamma-BHC...	4.324	3.721	63699560	503.0E6	9.369	10.646
6)	B beta-BHC	4.511	4.017	27170709	209.1E6	10.372	10.546
12)	B 4,4'-DDE	6.187	5.365	688780	6388394	0.129m	0.146m
14)	MA Endrin	6.567	5.778	238.1E6	1993.8E6	48.074	49.238
16)	A 4,4'-DDD	6.697	5.917	21564173	201.8E6	5.319m	5.539m
17)	MA 4,4'-DDT	7.014	6.172	395.3E6	3373.6E6	96.174	96.188
18)	B Endrin al...	6.908	6.246	2930967	33720803	0.800m	1.218 #
20)	A Methoxychlor	7.487	6.742	479.9E6	3504.5E6	225.781	201.084
21)	B Endrin ke...	7.624	6.980	13090022	111.9E6	2.694	2.966

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

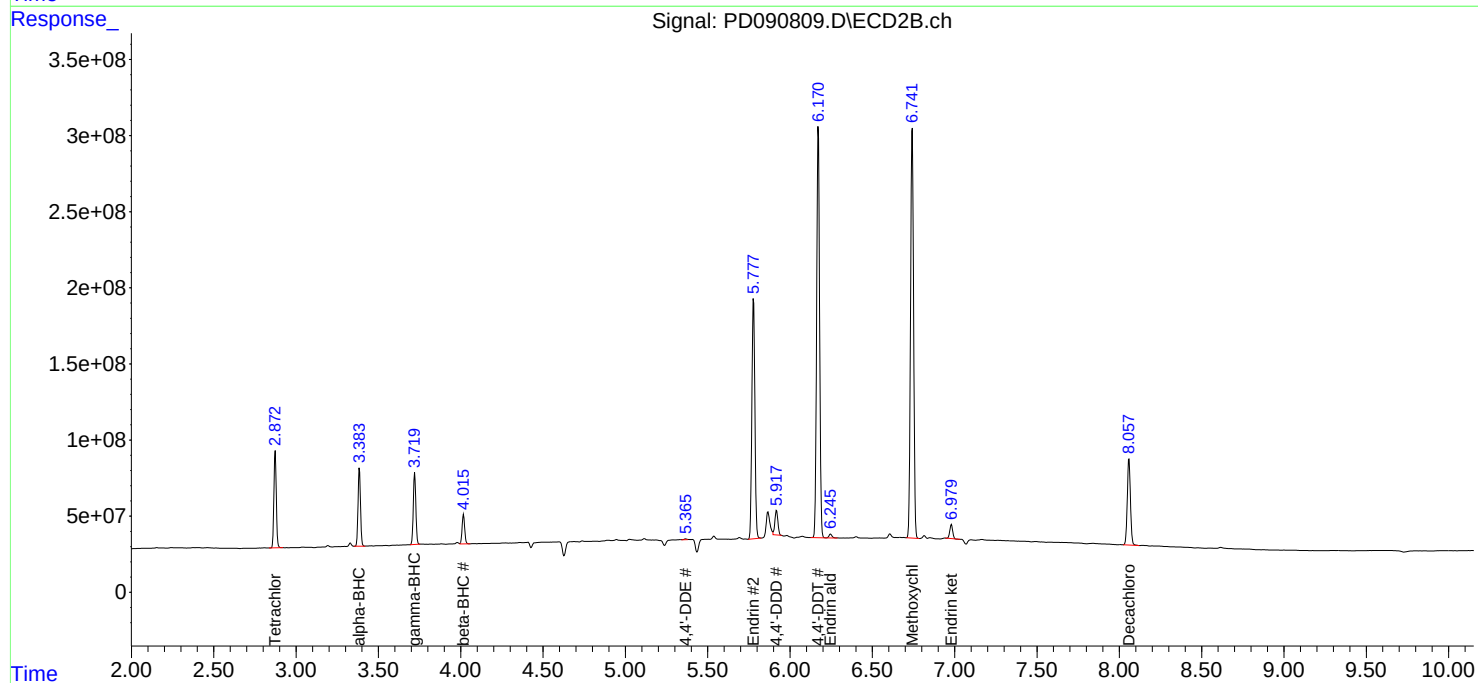
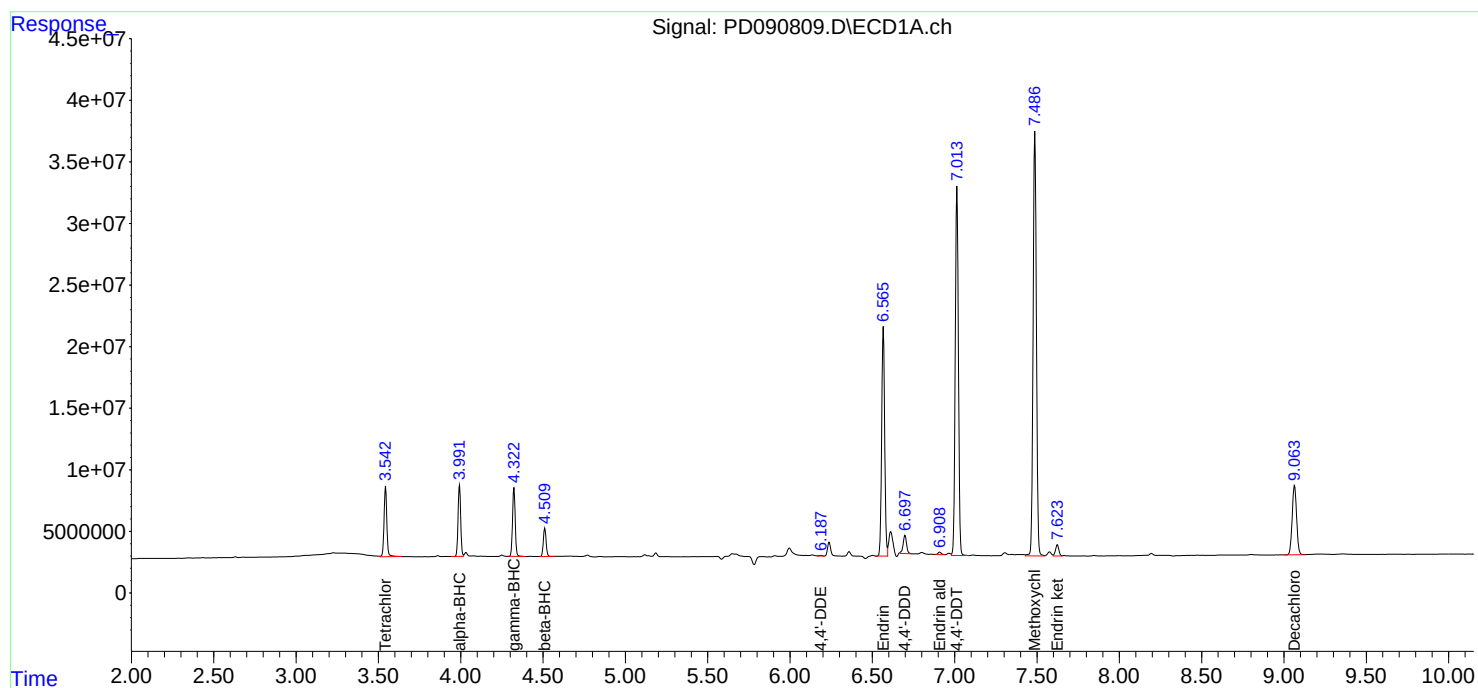
Instrument :
ECD_D
ClientSampleId :
PEM

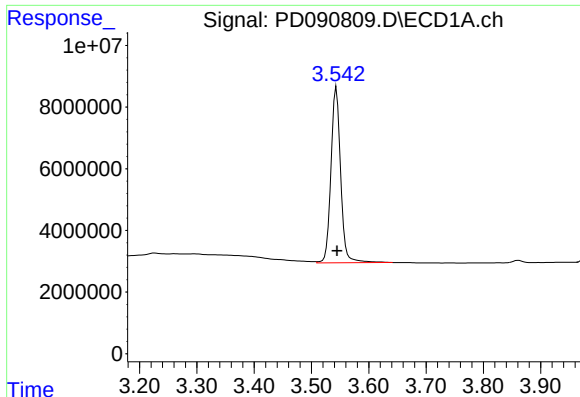
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:17 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





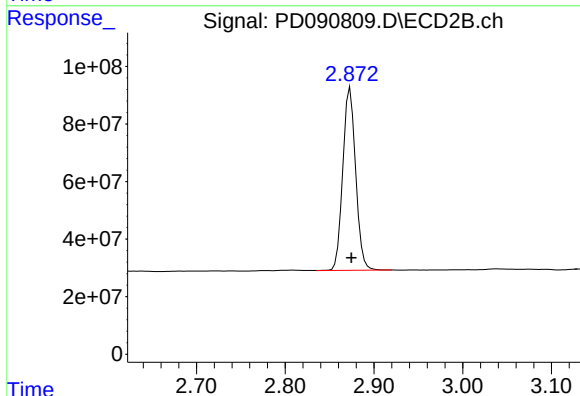
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 66932917
Conc: 21.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

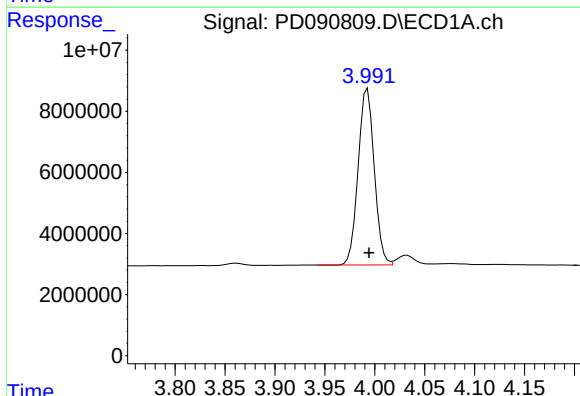
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



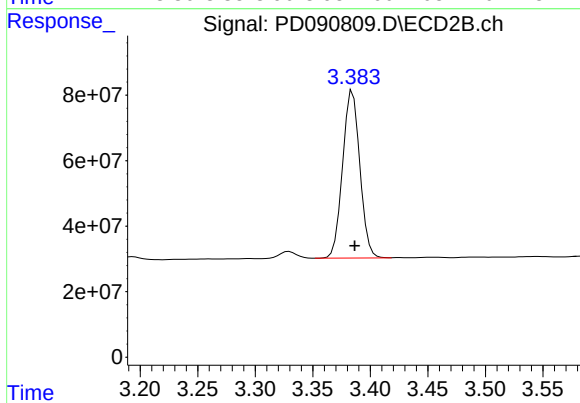
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 639095065
Conc: 21.46 ng/ml



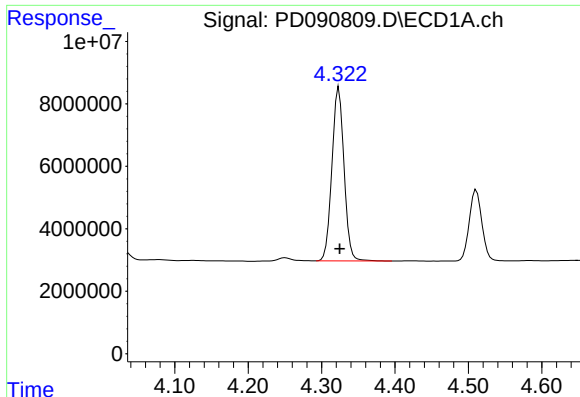
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 64700224
Conc: 9.01 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 535675263
Conc: 10.48 ng/ml



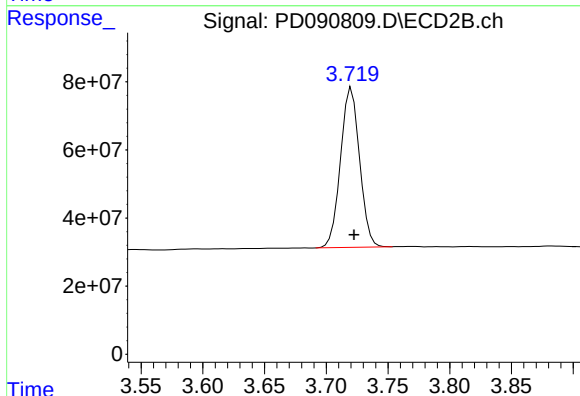
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 63699560
Conc: 9.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

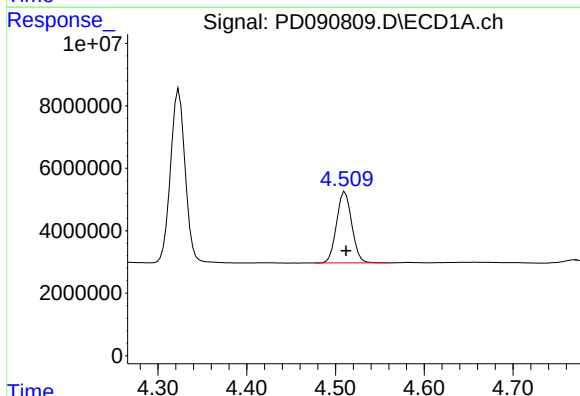
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



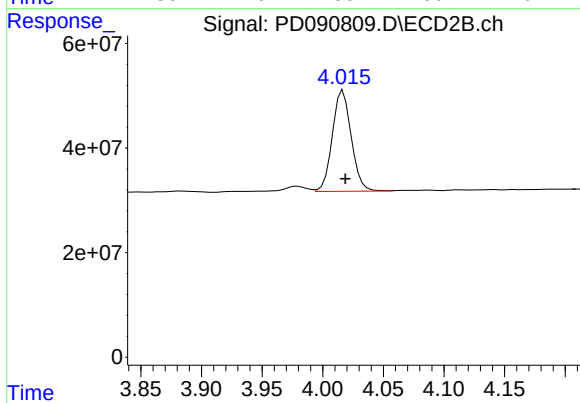
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 503028923
Conc: 10.65 ng/ml



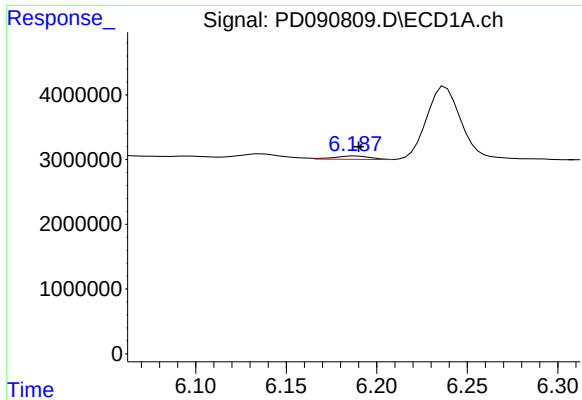
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 27170709
Conc: 10.37 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 209125983
Conc: 10.55 ng/ml



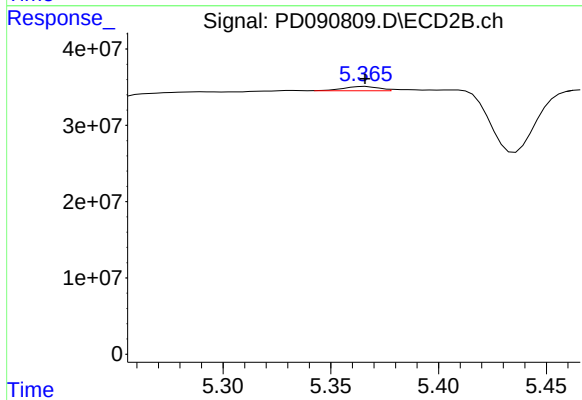
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 688780
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

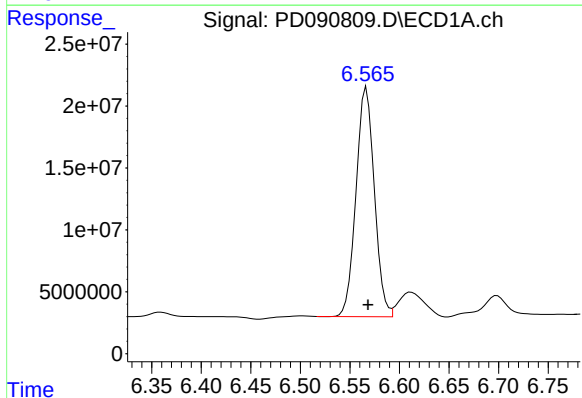
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



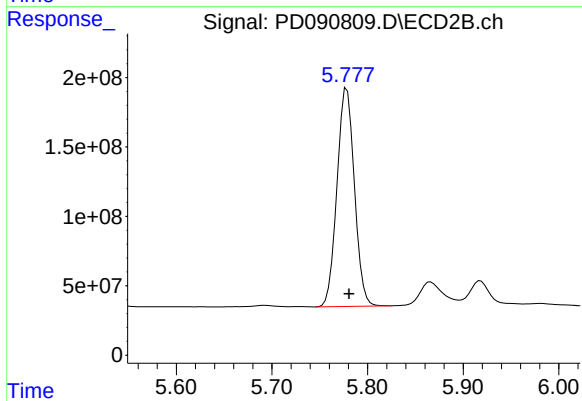
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 6388394
Conc: 0.15 ng/ml m



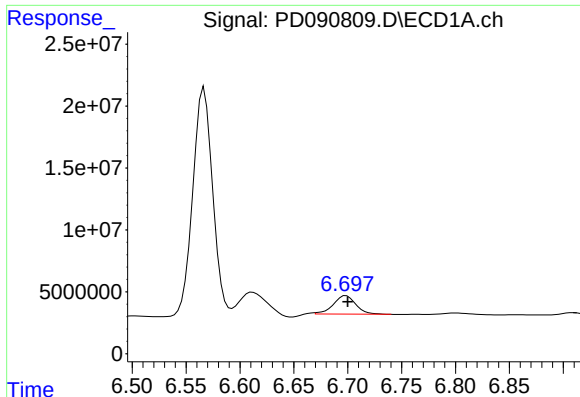
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 238145829
Conc: 48.07 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1993830831
Conc: 49.24 ng/ml



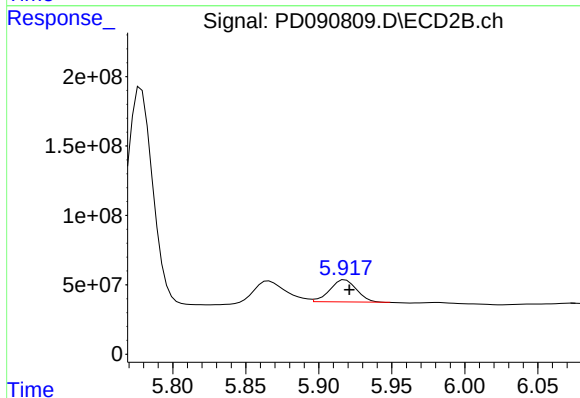
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 21564173
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

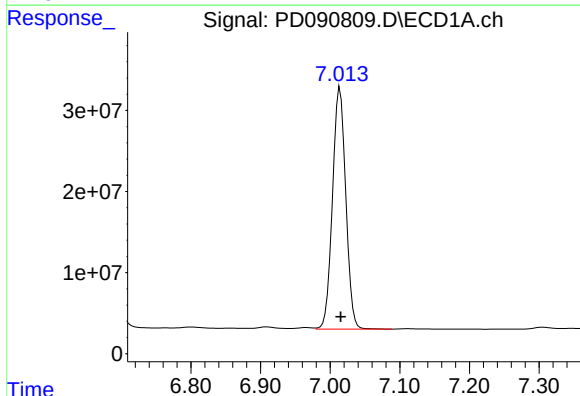
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



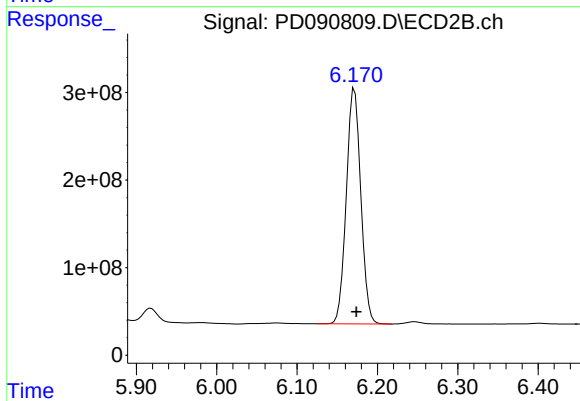
#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 201821255
Conc: 5.54 ng/ml m



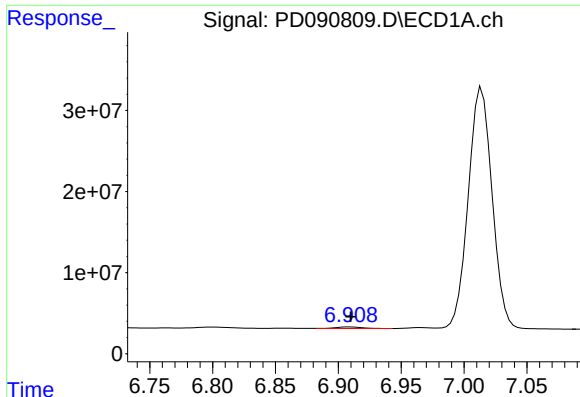
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 395319384
Conc: 96.17 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3373614500
Conc: 96.19 ng/ml



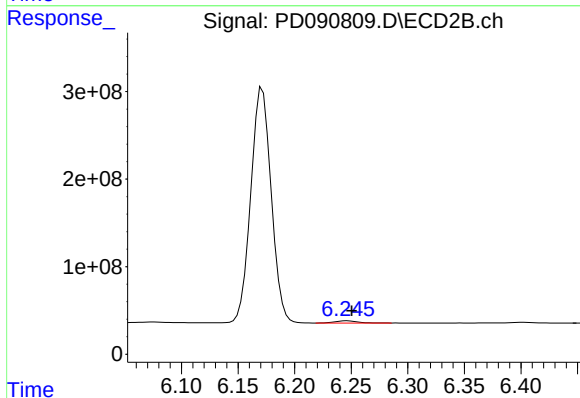
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 2930967
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

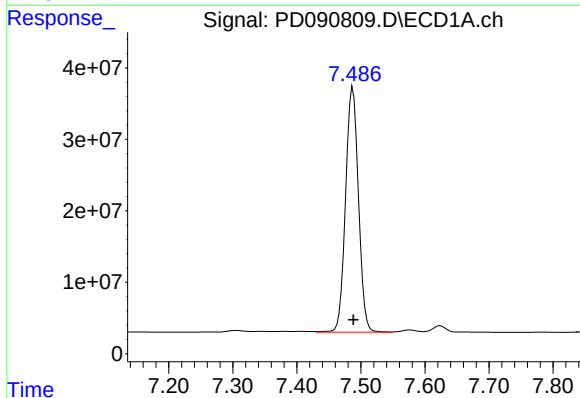
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



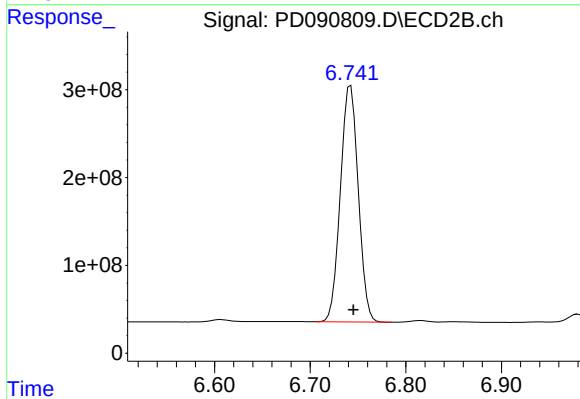
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 33720803
Conc: 1.22 ng/ml



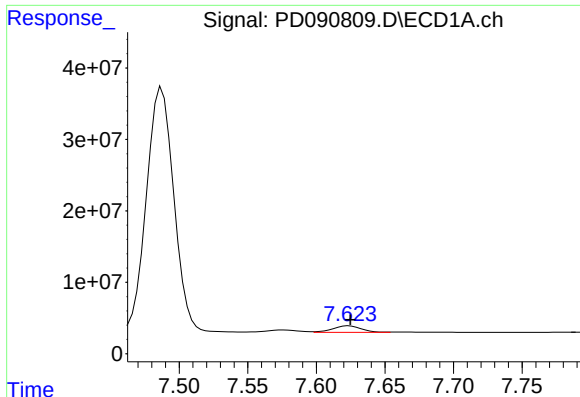
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 479916190
Conc: 225.78 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 3504460103
Conc: 201.08 ng/ml



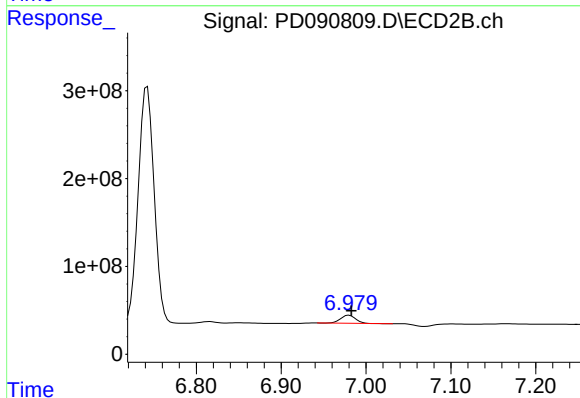
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 13090022
Conc: 2.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

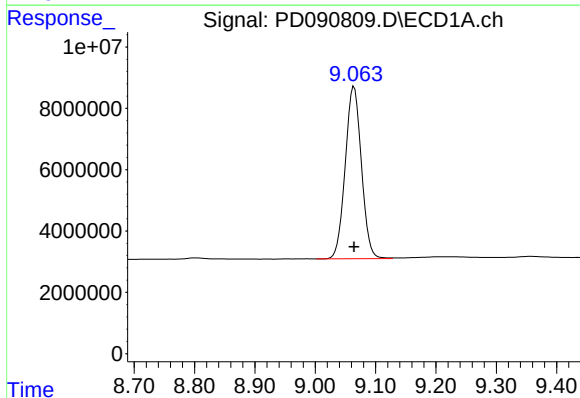
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



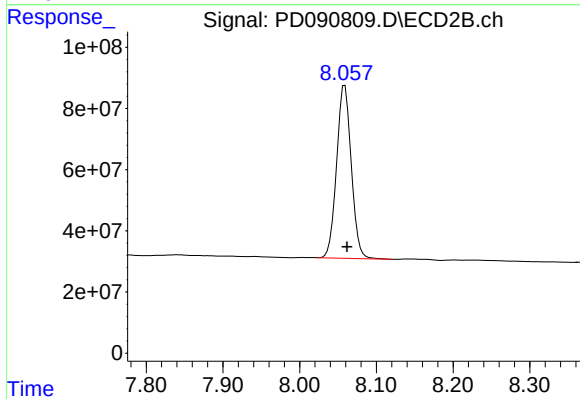
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 111884157
Conc: 2.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 104467736
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 751458751
Conc: 24.81 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

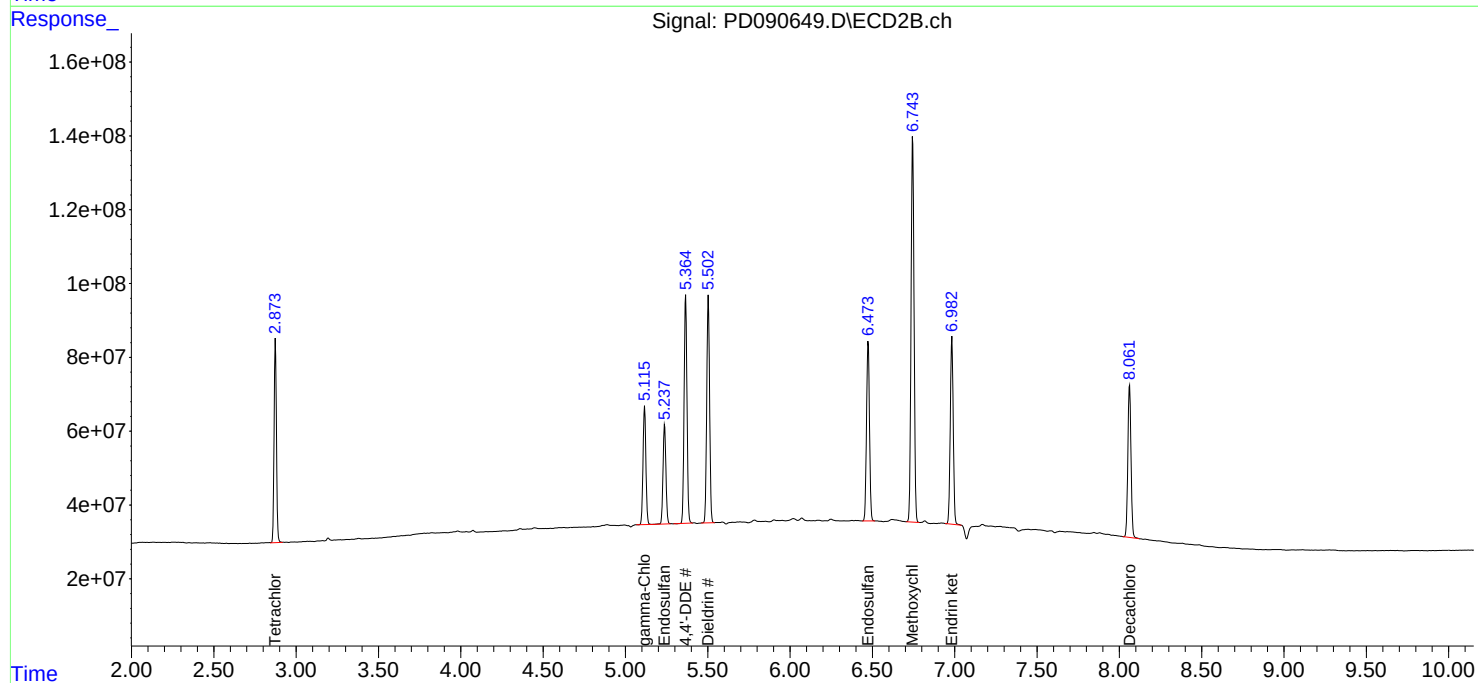
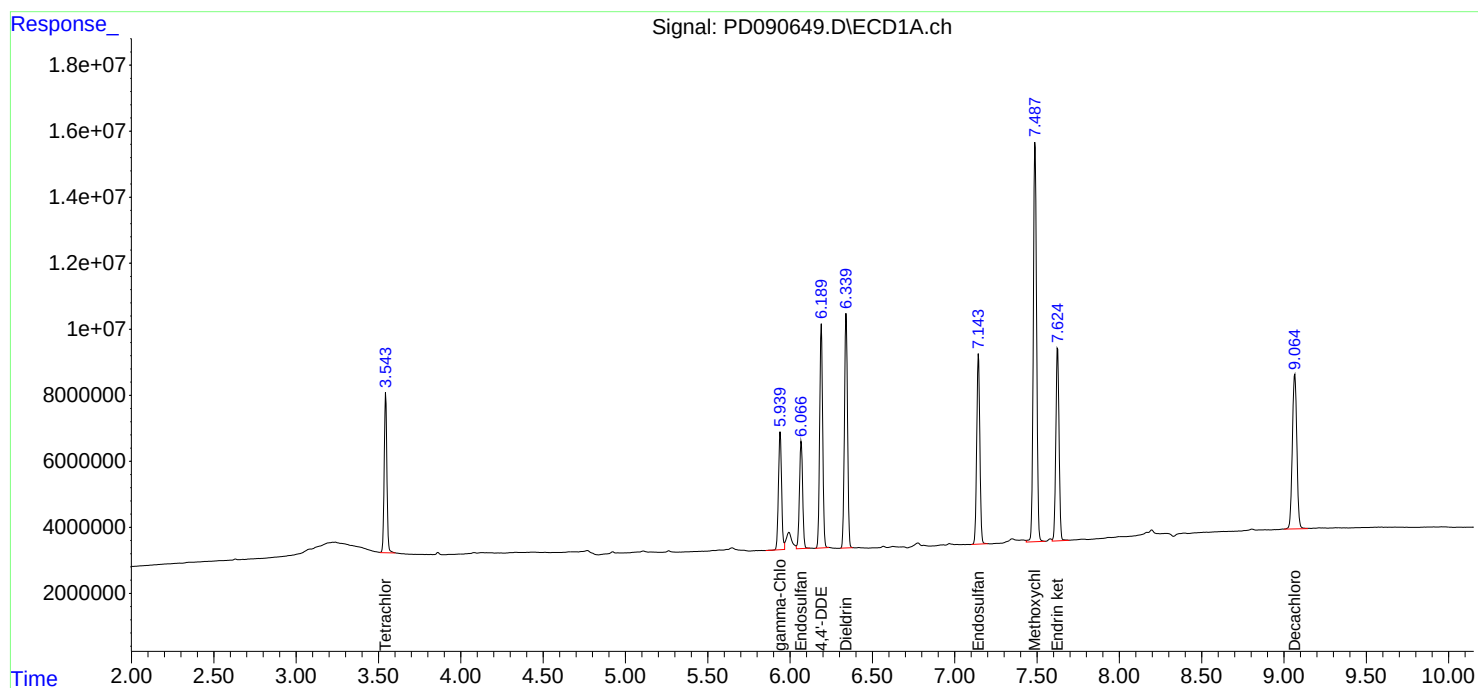
Instrument :
ECD_D
ClientSampleId :
RESCHK

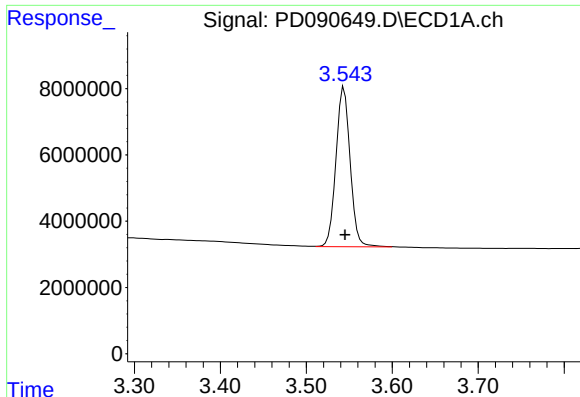
Manual Integrations
APPROVED

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





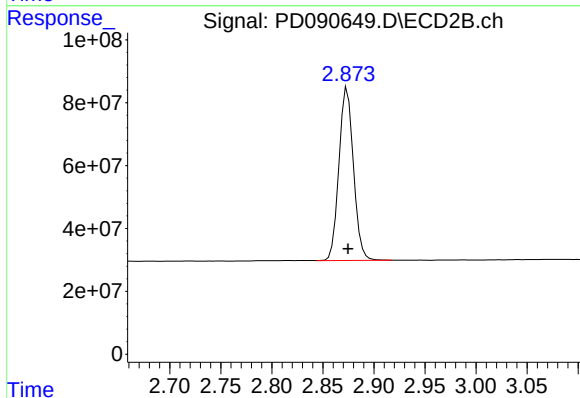
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
RESCHK

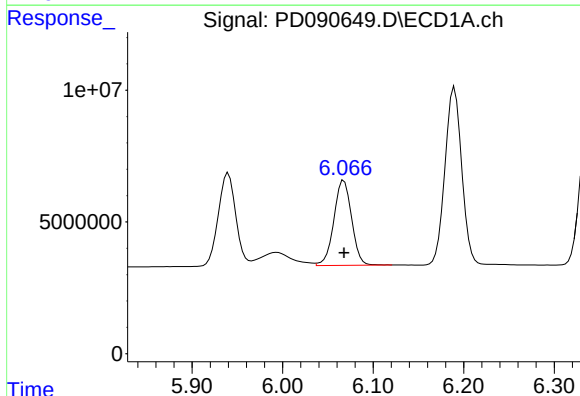
Manual Integrations
APPROVED

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



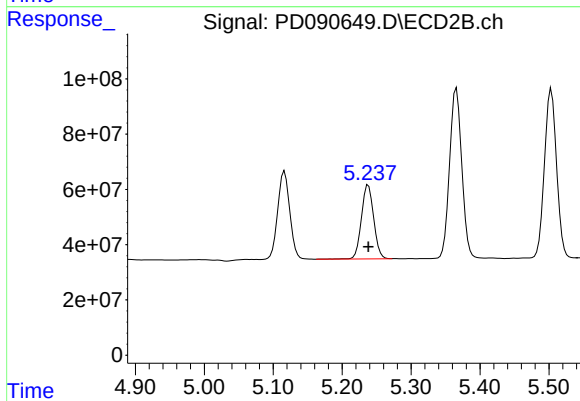
#1 Tetrachloro-m-xylene

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



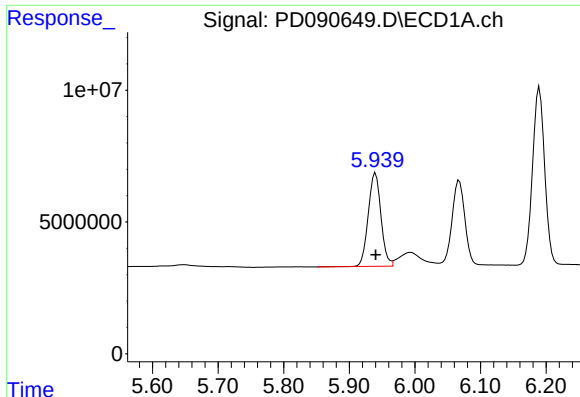
#9 Endosulfan I

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



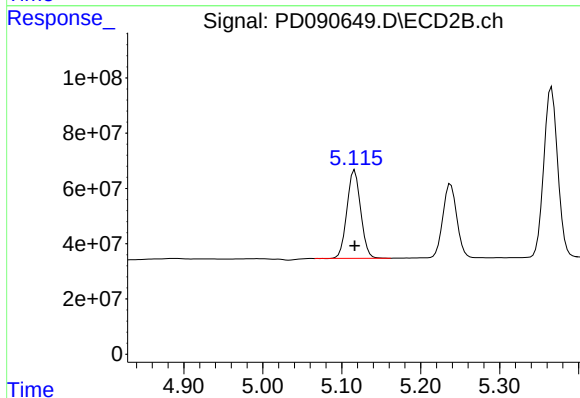
#10 gamma-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
RESCHK

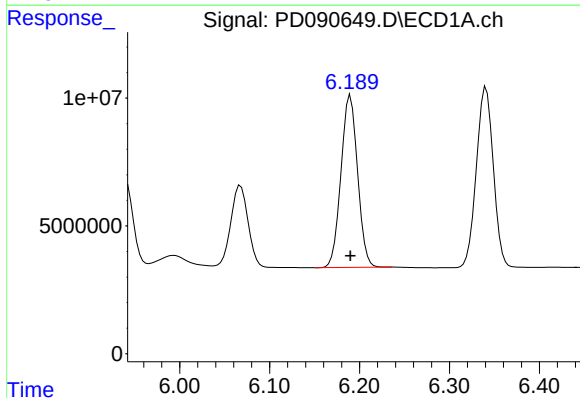
Manual Integrations
APPROVED

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



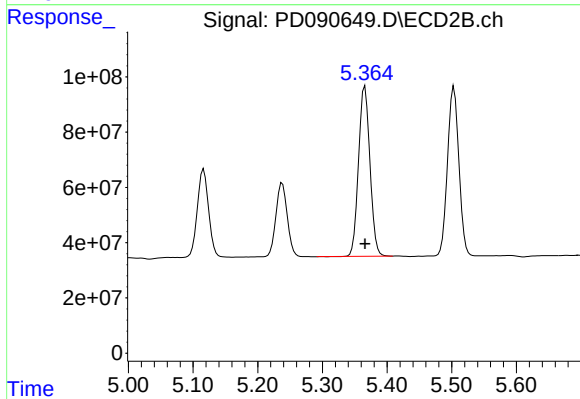
#10 gamma-Chlordane

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



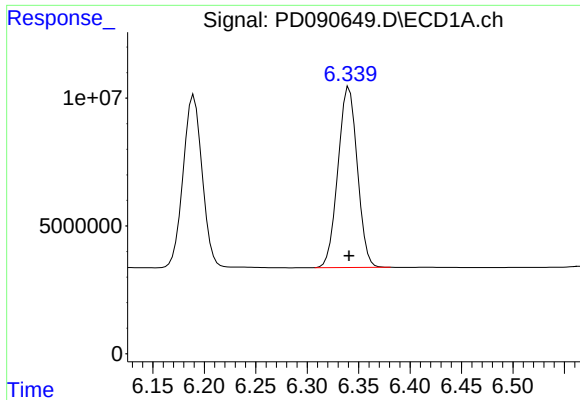
#12 4,4'-DDE

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



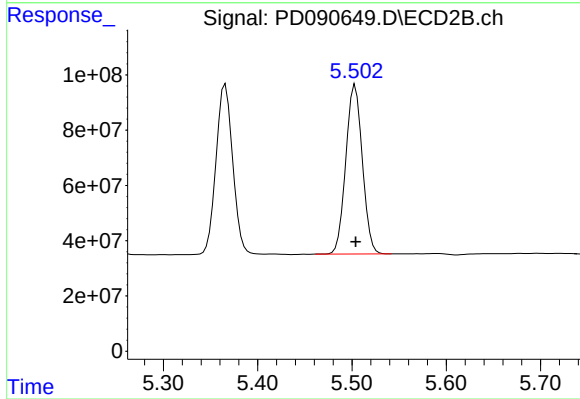
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
RESCHK

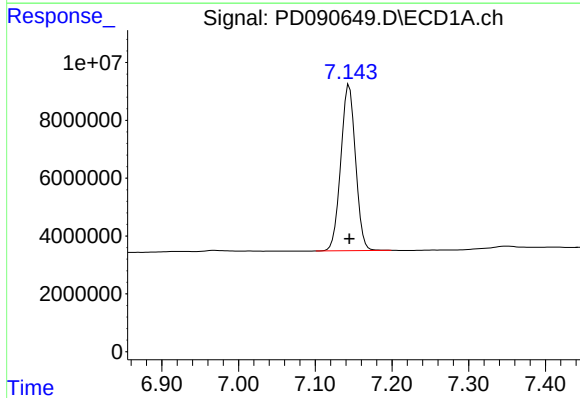
Manual Integrations
APPROVED

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



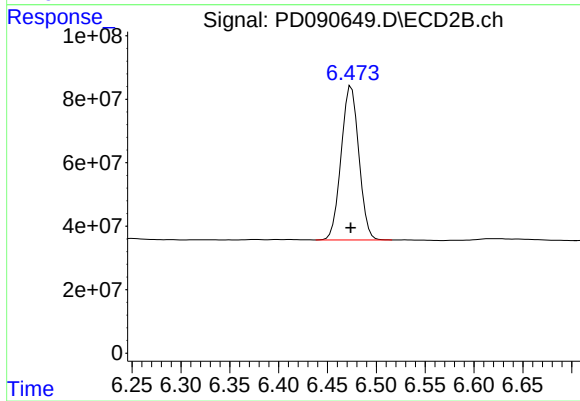
#13 Dieldrin

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



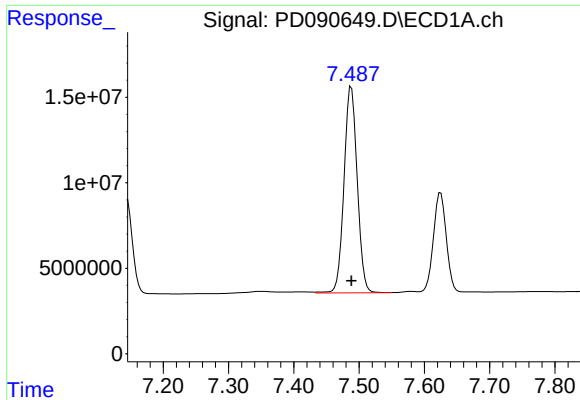
#19 Endosulfan Sulfate

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



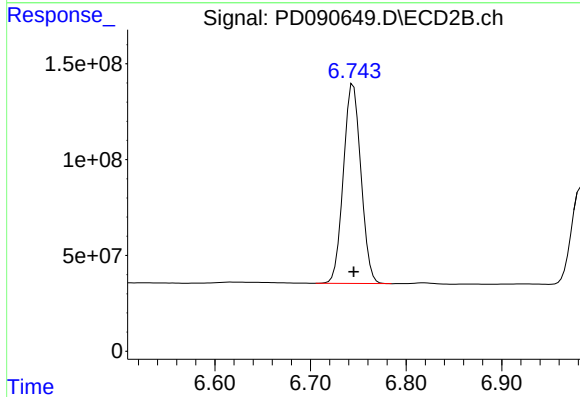
#20 Methoxychlor

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

Instrument :
ECD_D
ClientSampleId :
RESCHK

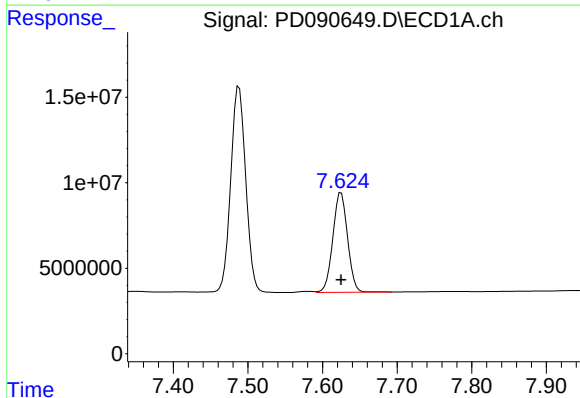
Manual Integrations
APPROVED

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



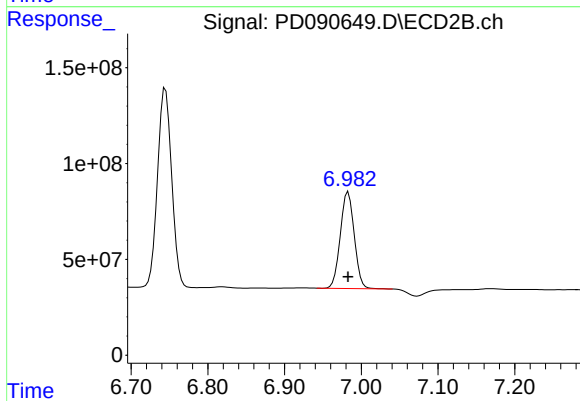
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1331648566
Conc: 76.41 ng/ml



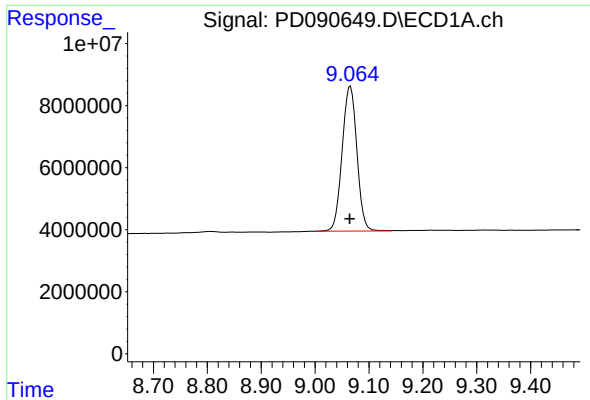
#21 Endrin ketone

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



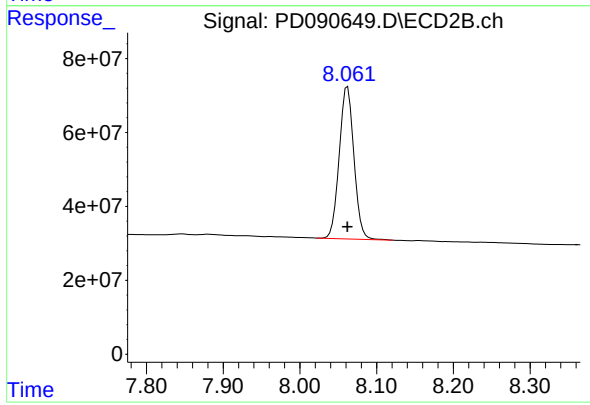
#28 Decachlorobiphenyl

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.: Q3424
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-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
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
PR132-DP3-20251021	Q3424-01	10/23/2025	17:28	PD090796.D	9.07	3.54
PR132-S11-010080-20251021	Q3424-02	10/23/2025	17:41	PD090797.D	9.06	3.54
PR132-S14-000094-20251021	Q3424-03	10/23/2025	17:55	PD090798.D	9.08	3.56
IBLK	IBLK	10/23/2025	18:09	PD090799.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	9.06	3.54
IBLK	IBLK	10/24/2025	09:57	PD090808.D	9.06	3.54
PEM	PEM	10/24/2025	10:10	PD090809.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	9.06	3.54
PR-132-S16-015094-20251021MS	Q3419-02MS	10/24/2025	11:02	PD090811.D	9.07	3.55
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/24/2025	11:16	PD090812.D	9.07	3.54
IBLK	IBLK	10/24/2025	15:10	PD090823.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	9.07	3.55

Analytical Sequence

Client: AECOM	SDG No.: Q3424
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
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICCC005	PSTDICCC005	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-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
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
PR132-DP3-20251021	Q3424-01	10/23/2025	17:28	PD090796.D	8.06	2.87
PR132-S11-010080-20251021	Q3424-02	10/23/2025	17:41	PD090797.D	8.06	2.87
PR132-S14-000094-20251021	Q3424-03	10/23/2025	17:55	PD090798.D	8.06	2.87
IBLK	IBLK	10/23/2025	18:09	PD090799.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	8.06	2.87
IBLK	IBLK	10/24/2025	09:57	PD090808.D	8.06	2.87
PEM	PEM	10/24/2025	10:10	PD090809.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	8.06	2.87
PR-132-S16-015094-20251021MS	Q3419-02MS	10/24/2025	11:02	PD090811.D	8.06	2.87
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/24/2025	11:16	PD090812.D	8.06	2.87
IBLK	IBLK	10/24/2025	15:10	PD090823.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

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.: Q3424

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-DP3-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3424-01

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		
4,4'-DDE	1	6.19	6.14	6.24	0.59	41.8
	2	5.36	5.31	5.41	0.38	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3424

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.: Q3424

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: AECO02

Lab Code: ACE

SDG NO.: Q3424

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.: Q3424

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-S11-010080-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3424-02

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'-DDE	1	6.19	6.14	6.24	0.46	41.4
	2	5.36	5.31	5.41	0.31	
Dieldrin	1	6.35	6.30	6.40	0.32	13.3
	2	5.50	5.45	5.55	0.28	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S14-000094-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3424-03

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'-DDT	1	7.00	6.95	7.05	0.45	13.7
	2	6.17	6.12	6.22	0.52	
4,4'-DDE	1	6.21	6.16	6.26	1.20	54.8
	2	5.36	5.31	5.41	0.68	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3419-02MS

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	27.8	11.8
	2	5.92	5.87	5.97	24.7	
4,4'-DDT	1	7.02	6.97	7.07	26.4	3.5
	2	6.17	6.12	6.22	25.5	
alpha-BHC	1	4.00	3.95	4.05	24.4	8.5
	2	3.39	3.34	3.44	22.4	
Aldrin	1	5.27	5.22	5.32	27.2	7.2
	2	4.36	4.31	4.41	25.3	
beta-BHC	1	4.52	4.47	4.57	25.4	0.8
	2	4.02	3.97	4.07	25.6	
alpha-Chlordane	1	6.03	5.98	6.08	26.4	2.3
	2	5.18	5.13	5.23	25.8	
4,4'-DDE	1	6.20	6.15	6.25	27.4	5.2
	2	5.37	5.32	5.42	26.0	
Endosulfan II	1	6.79	6.74	6.84	26.6	0.8
	2	6.07	6.02	6.12	26.4	
Endrin aldehyde	1	6.92	6.87	6.97	20.6	5.5
	2	6.25	6.20	6.30	19.5	
Endosulfan sulfate	1	7.15	7.10	7.20	17.5	2.3
	2	6.47	6.42	6.52	17.1	
Methoxychlor	1	7.50	7.45	7.55	25.9	1.6
	2	6.74	6.69	6.79	25.5	
Endrin ketone	1	7.63	7.58	7.68	27.7	0.4
	2	6.98	6.93	7.03	27.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.0	3.6
	2	3.72	3.67	3.77	19.3	
Heptachlor	1	4.93	4.88	4.98	30.9	16.8
	2	4.07	4.02	4.12	26.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3419-02MS

Date(s) Analyzed: 10/24/2025 10/24/2025

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		
delta-BHC	1	4.77	4.72	4.82	19.1	0.5
	2	4.25	4.20	4.30	19.0	
Heptachlor epoxide	1	5.69	5.64	5.74	27.3	7.2
	2	4.86	4.81	4.91	25.4	
Endosulfan I	1	6.08	6.03	6.13	26.9	11
	2	5.24	5.19	5.29	24.1	
gamma-Chlordane	1	5.95	5.90	6.00	27.4	3
	2	5.12	5.07	5.17	26.6	
Dieldrin	1	6.35	6.30	6.40	27.8	5.5
	2	5.50	5.45	5.55	26.3	
Endrin	1	6.58	6.53	6.63	26.6	10.3
	2	5.78	5.73	5.83	24.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3419-03MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

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	27.8	11.8
	2	5.92	5.87	5.97	24.7	
4,4'-DDT	1	7.02	6.97	7.07	26.1	1.9
	2	6.17	6.12	6.22	25.6	
Endrin aldehyde	1	6.91	6.86	6.96	20.5	4.5
	2	6.25	6.20	6.30	19.6	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	1.2
	2	6.47	6.42	6.52	17.0	
alpha-BHC	1	4.00	3.95	4.05	23.8	6.1
	2	3.38	3.33	3.43	22.4	
Aldrin	1	5.27	5.22	5.32	27.2	5.7
	2	4.36	4.31	4.41	25.7	
beta-BHC	1	4.51	4.46	4.56	25.5	0
	2	4.02	3.97	4.07	25.5	
delta-BHC	1	4.76	4.71	4.81	19.1	1.1
	2	4.25	4.20	4.30	18.9	
Endosulfan I	1	6.07	6.02	6.12	27.3	17.5
	2	5.24	5.19	5.29	22.9	
alpha-Chlordane	1	6.02	5.97	6.07	29.1	11.6
	2	5.18	5.13	5.23	25.9	
4,4'-DDE	1	6.19	6.14	6.24	27.1	2.2
	2	5.36	5.31	5.41	26.5	
Dieldrin	1	6.34	6.29	6.39	27.7	4.4
	2	5.50	5.45	5.55	26.5	
Endrin	1	6.57	6.52	6.62	26.7	8.6
	2	5.78	5.73	5.83	24.5	
Methoxychlor	1	7.49	7.44	7.54	25.9	0
	2	6.74	6.69	6.79	25.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3424

Lab Sample ID: Q3419-03MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

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	27.5	0
	2	6.98	6.93	7.03	27.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.6	2.1
	2	3.72	3.67	3.77	19.2	
Heptachlor	1	4.92	4.87	4.97	30.6	15.1
	2	4.07	4.02	4.12	26.3	
Heptachlor epoxide	1	5.69	5.64	5.74	28.9	11.3
	2	4.86	4.81	4.91	25.8	
gamma-Chlordane	1	5.94	5.89	5.99	27.4	2.6
	2	5.11	5.06	5.16	26.7	
Endosulfan II	1	6.78	6.73	6.83	26.8	1.1
	2	6.07	6.02	6.12	26.5	



QC SAMPLE DATA



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.:	Q3424
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

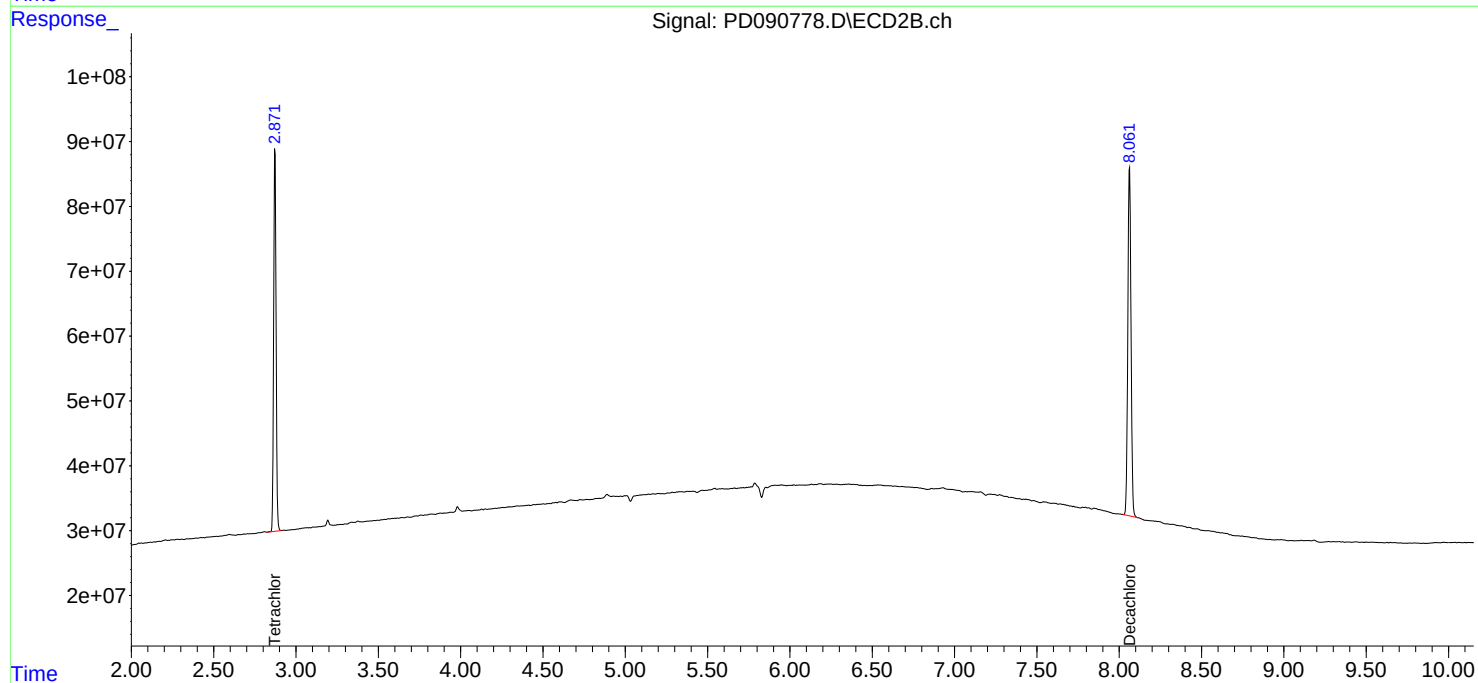
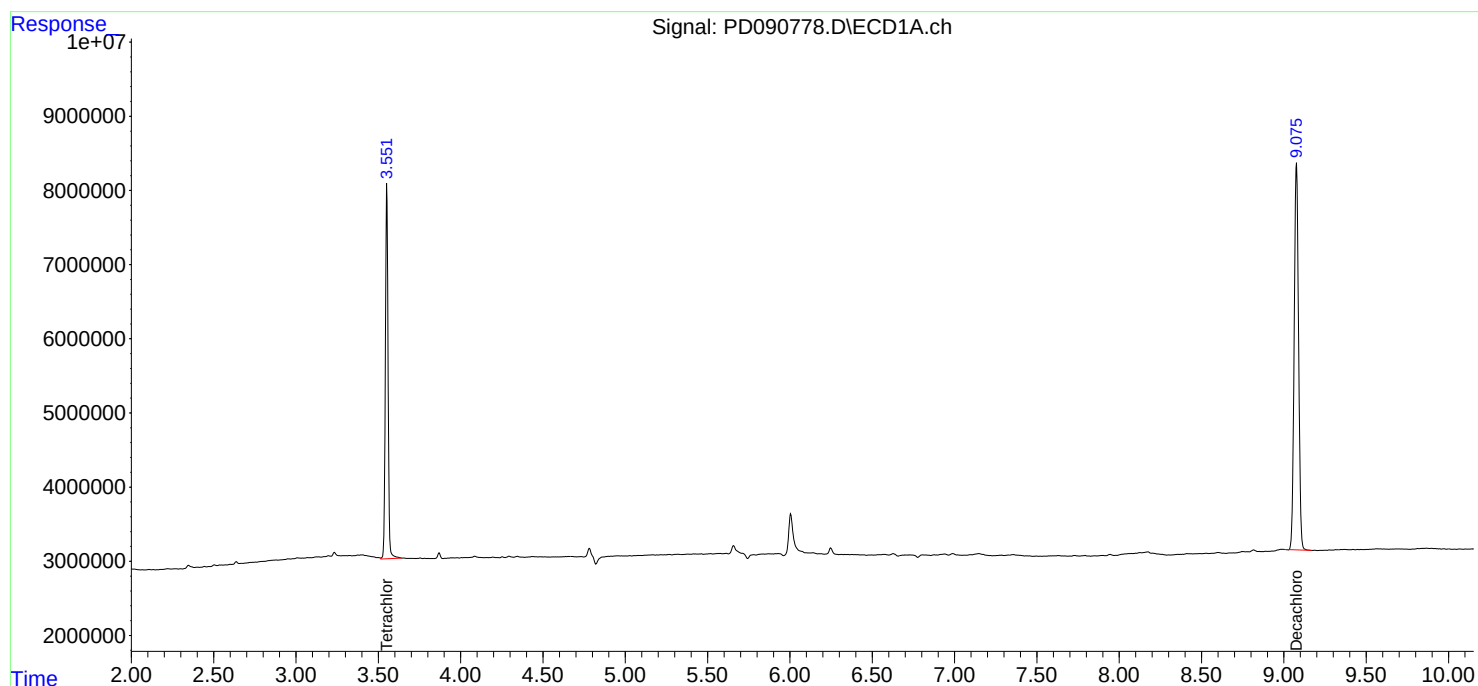
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

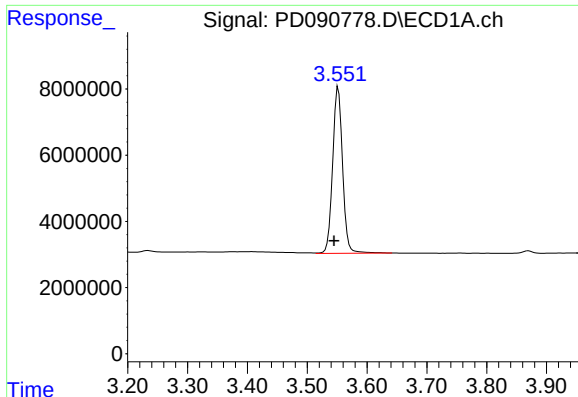
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 13:16
Operator : AR\AJ
Sample : PB170213BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

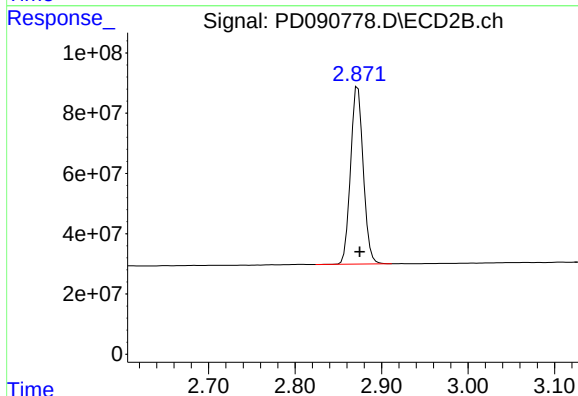




#1 Tetrachloro-m-xylene

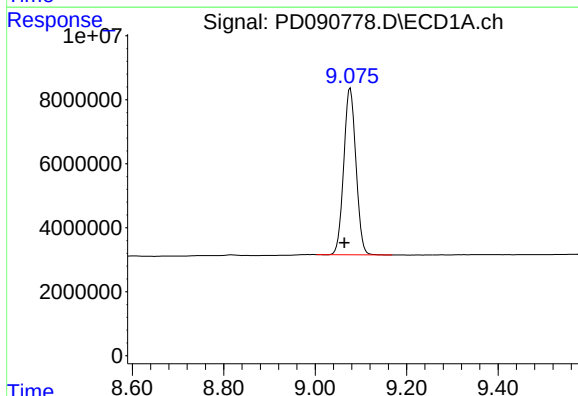
R.T.: 3.552 min
Delta R.T.: 0.007 min
Response: 58342131
Conc: 18.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BL



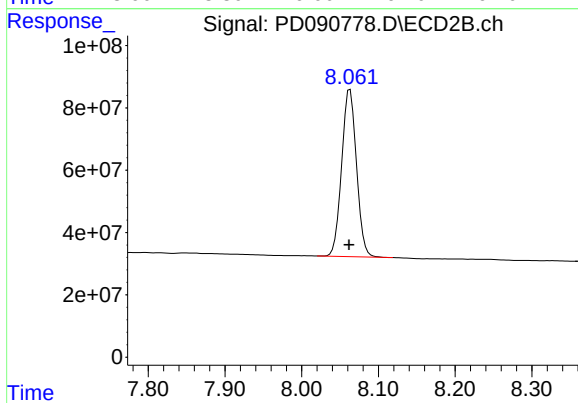
#1 Tetrachloro-m-xylene

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



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:	PIBLK-PD090647.D		SDG No.:	Q3424
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

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

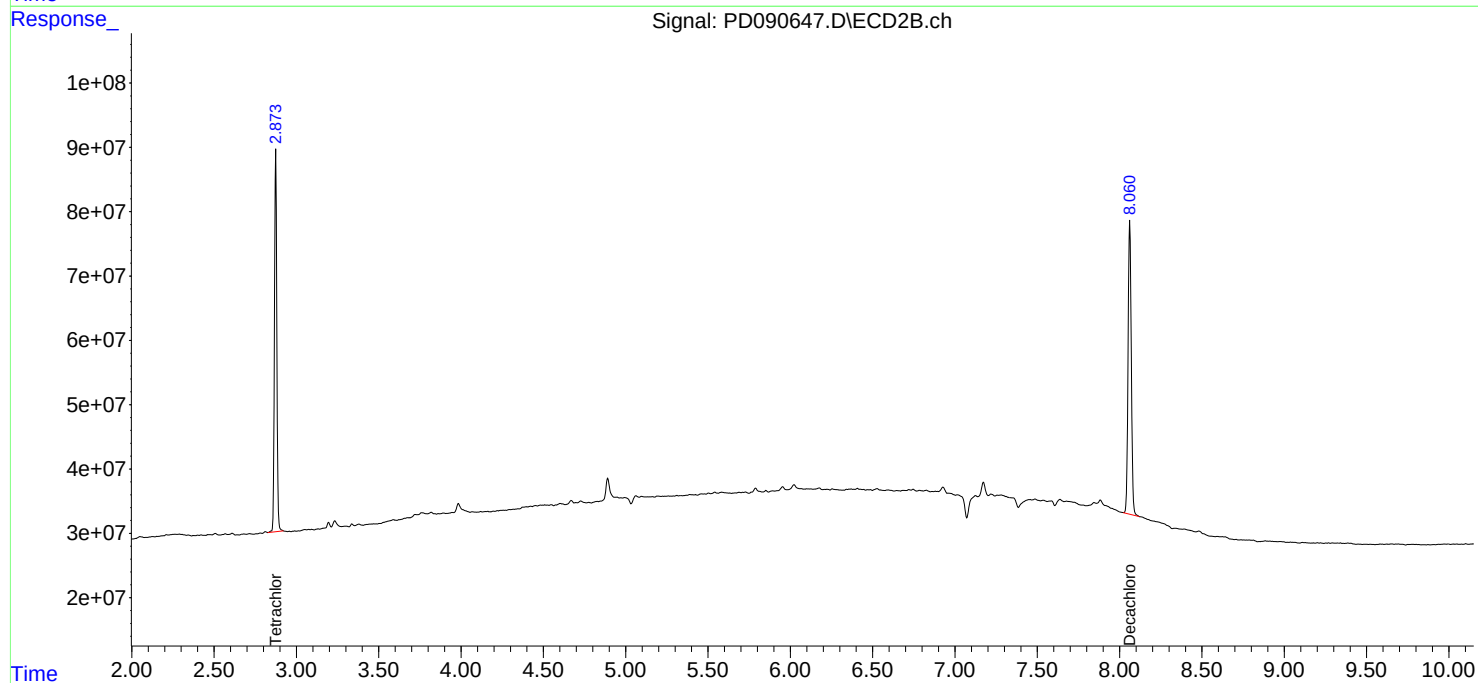
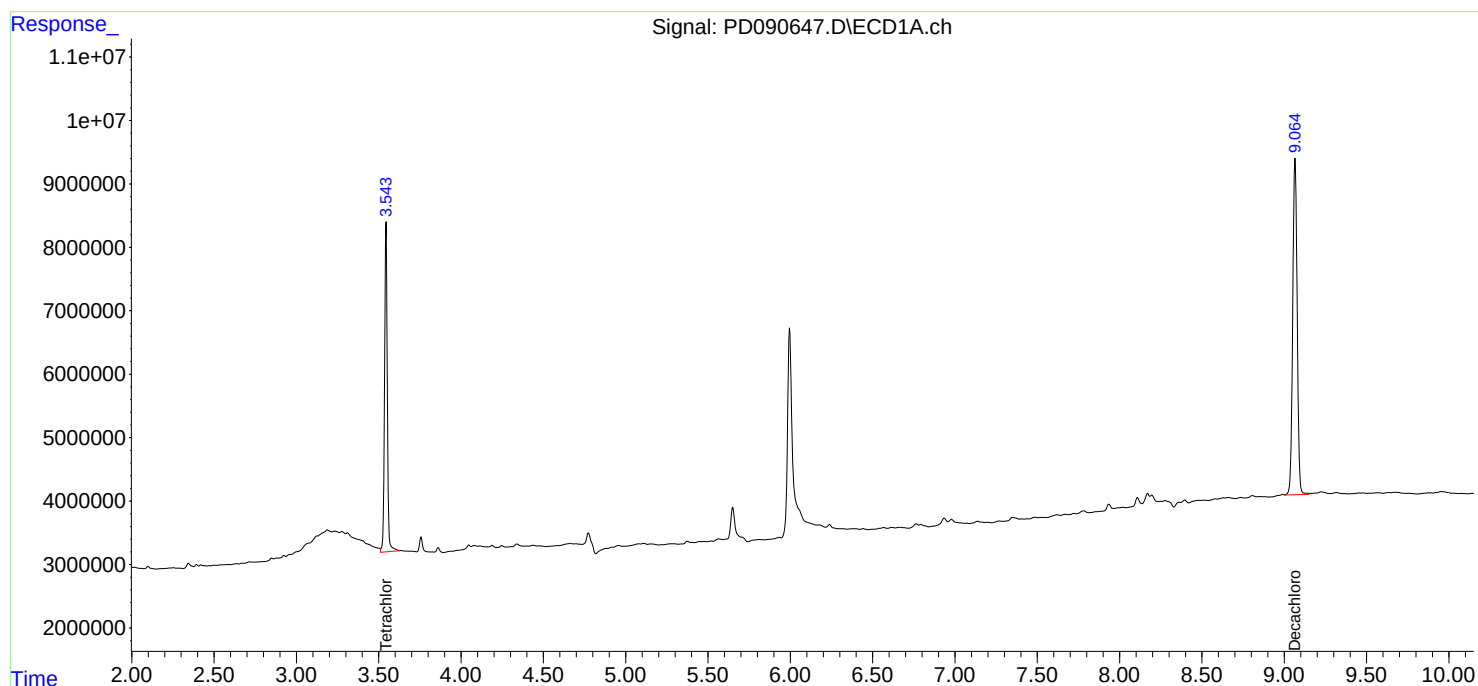
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

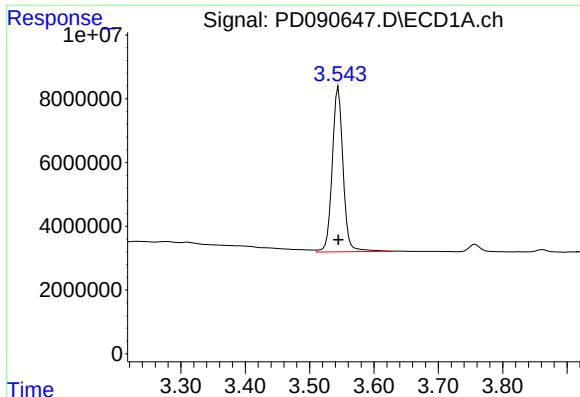
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

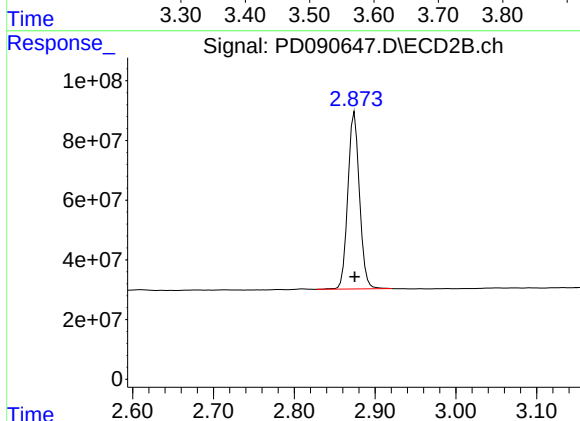




#1 Tetrachloro-m-xylene

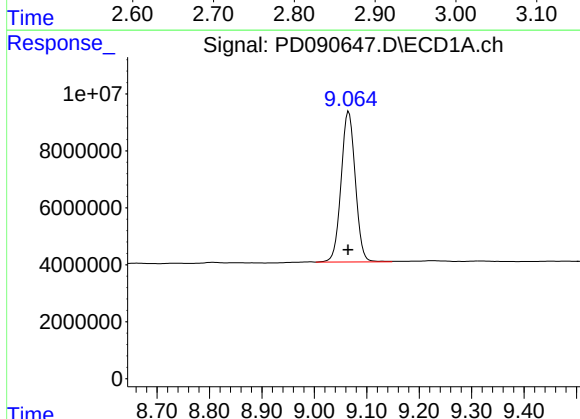
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60526543
Conc: 19.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



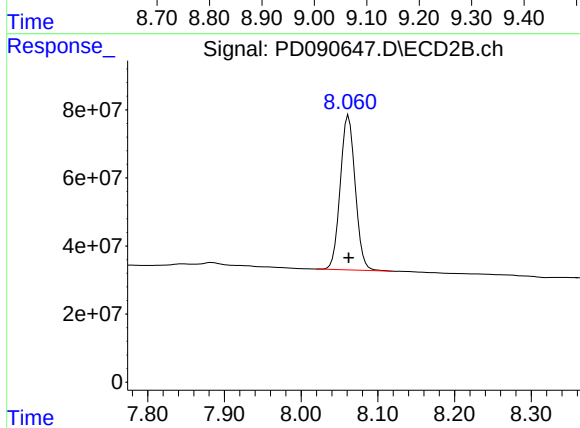
#1 Tetrachloro-m-xylene

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



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

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.:	Q3424
Lab Sample ID:	I.BLK-PD090775.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	10/23/25	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

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

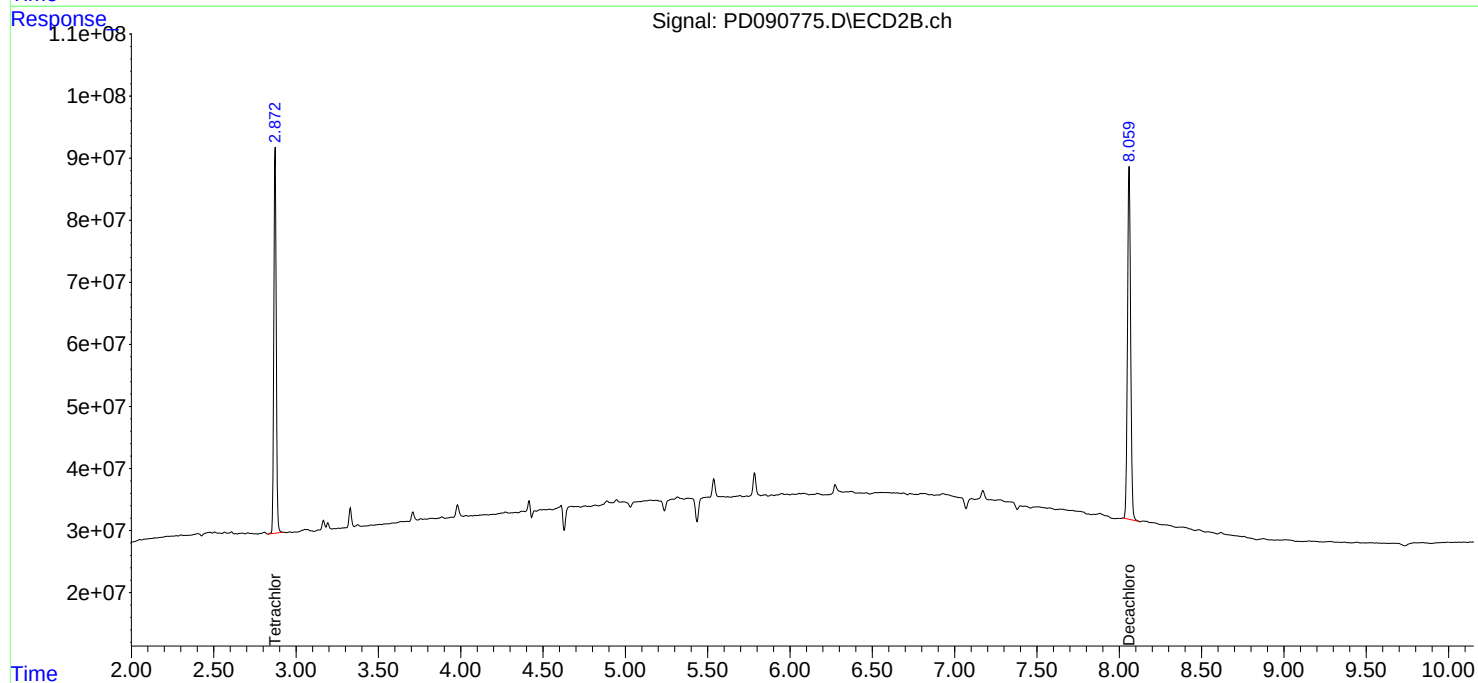
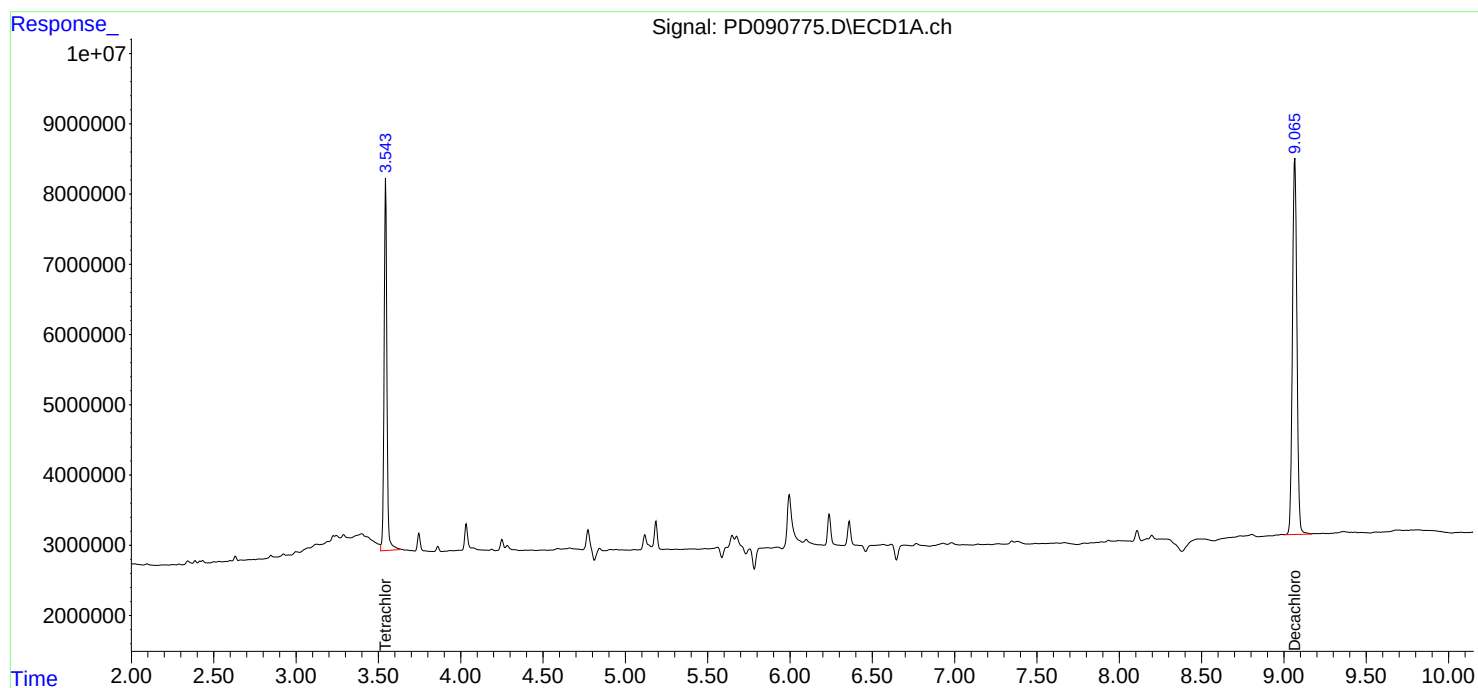
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

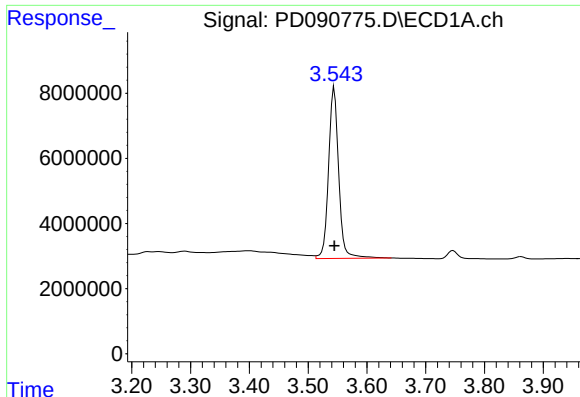
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090775.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

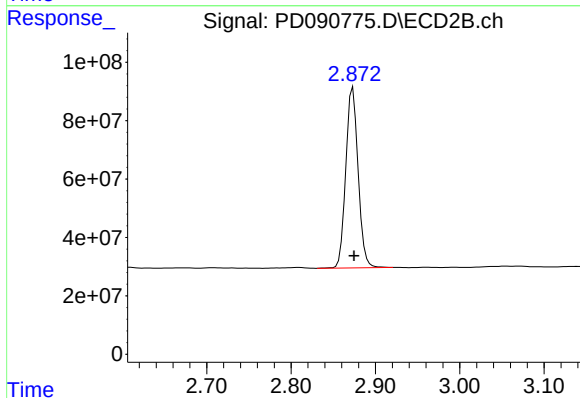




#1 Tetrachloro-m-xylene

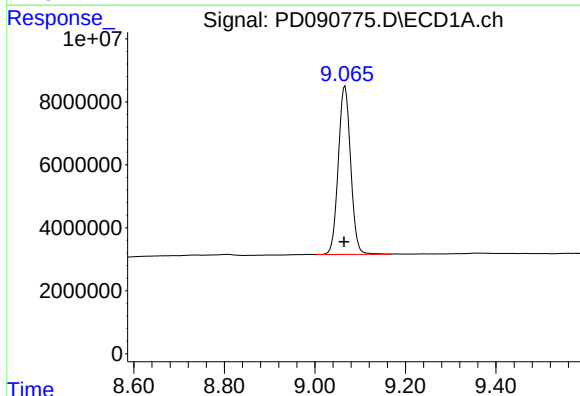
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 63181414
Conc: 20.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



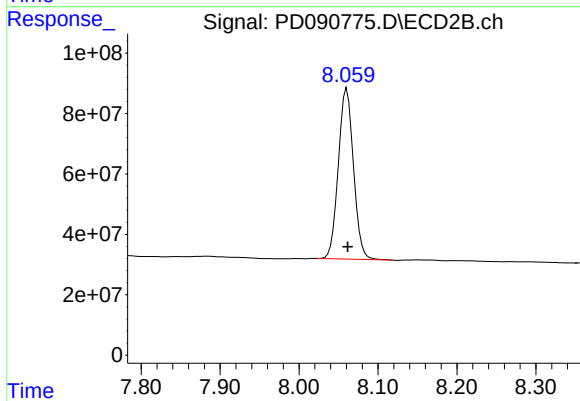
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 629736816
Conc: 21.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 101565237
Conc: 21.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 753407959
Conc: 24.87 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/23/25
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.:	Q3424
Lab Sample ID:	I.BLK-PD090788.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	10/23/25	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

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

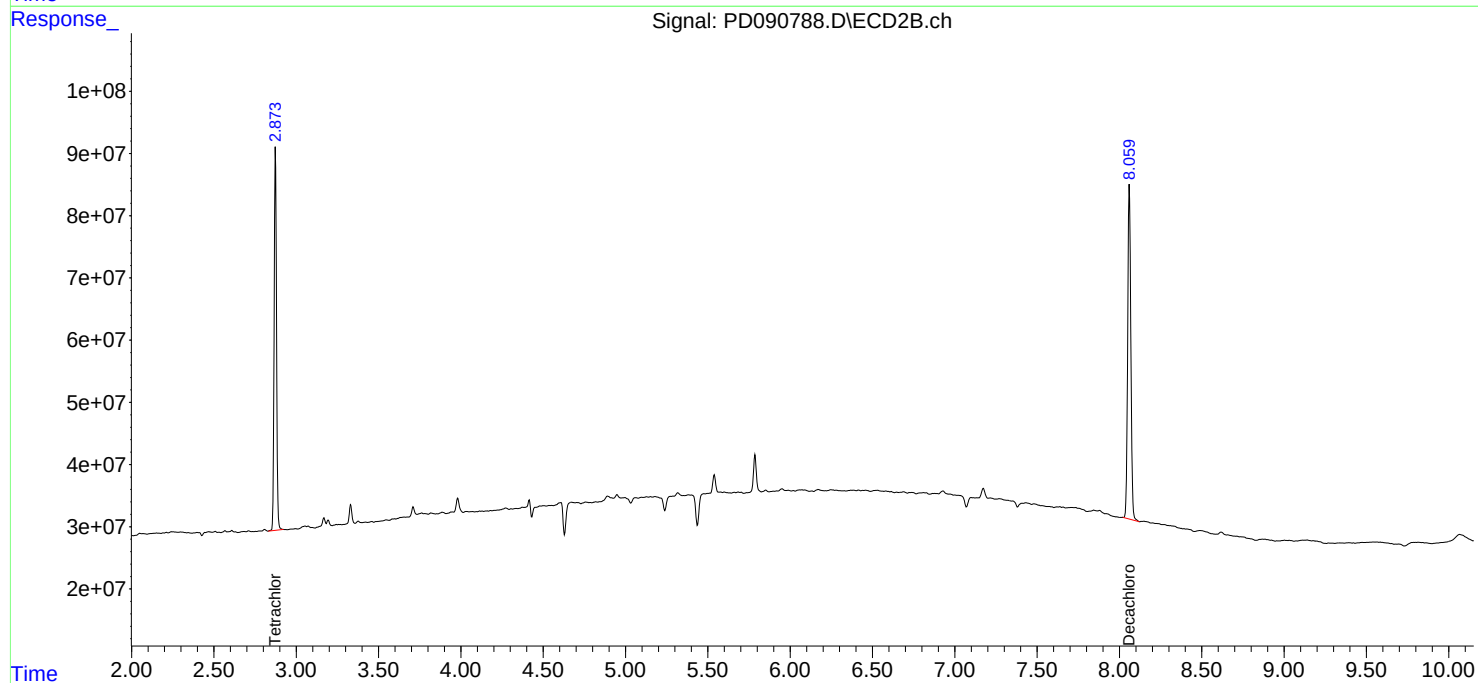
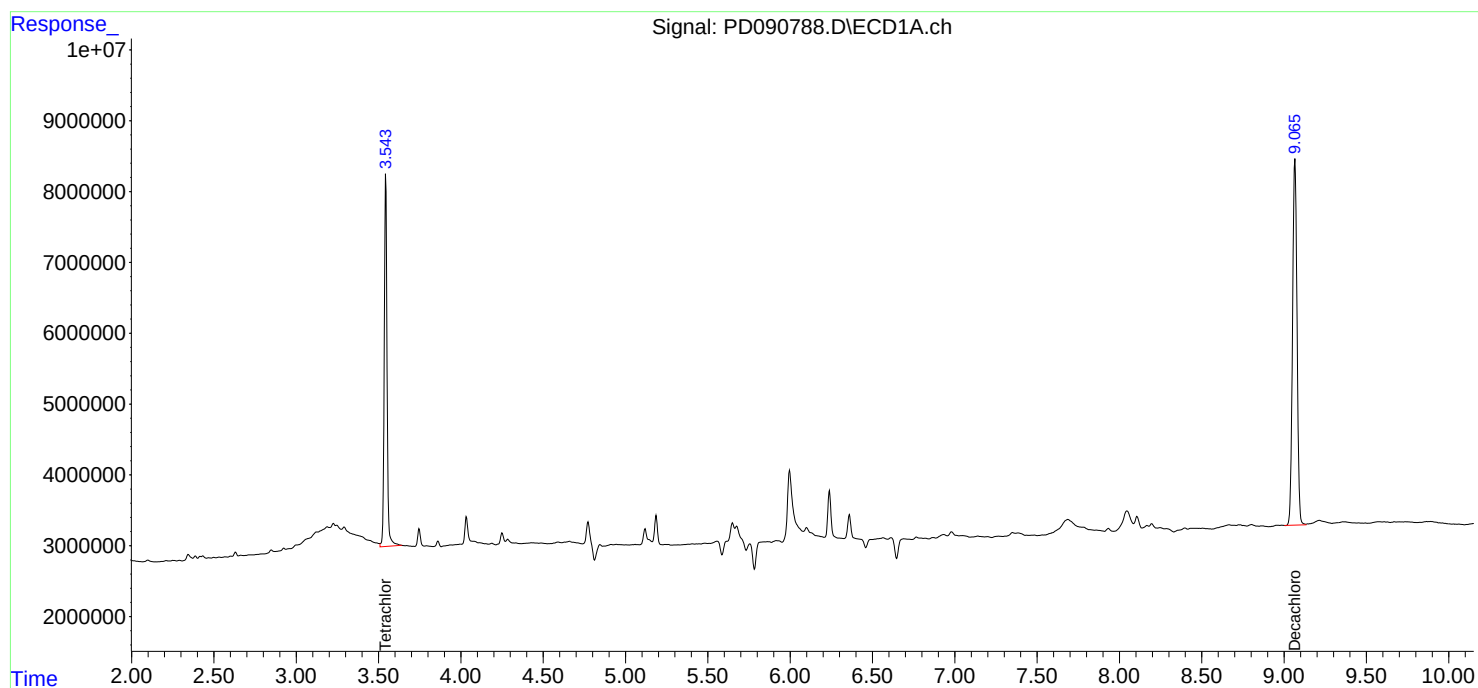
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

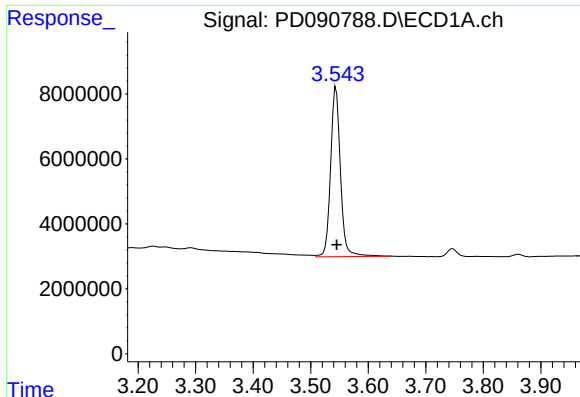
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

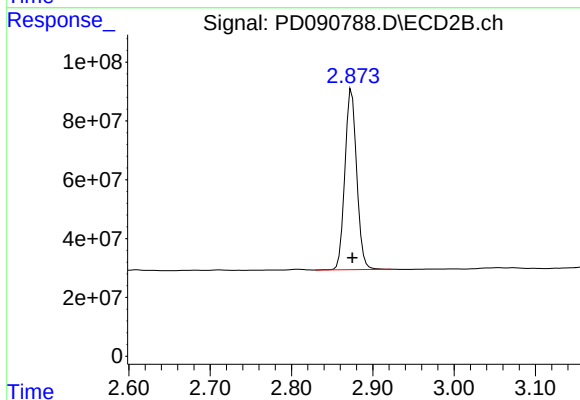




#1 Tetrachloro-m-xylene

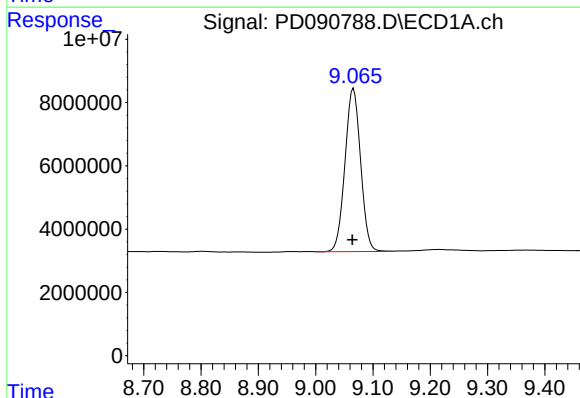
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 62243044
Conc: 19.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



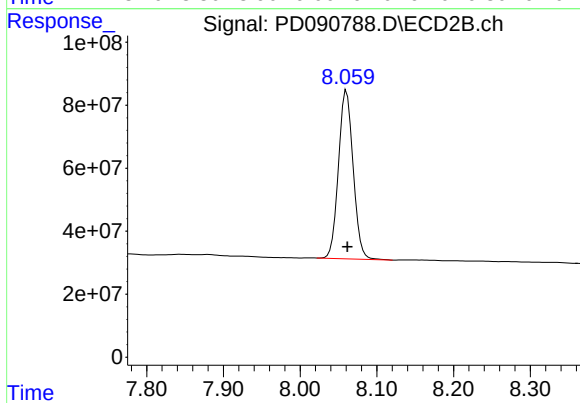
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 618601979
Conc: 20.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 97868417
Conc: 20.92 ng/ml



#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:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090799.D		SDG No.:	Q3424
Lab Sample ID:	I.BLK-PD090799.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	10/23/25	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	23.4			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.3			61 - 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 : PD090799.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 18:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:17:56 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	61423175	603.0E6	19.724	20.252
28)	SA Decachlor...	9.066	8.060	98642834	707.8E6	21.087	23.368

Target Compounds

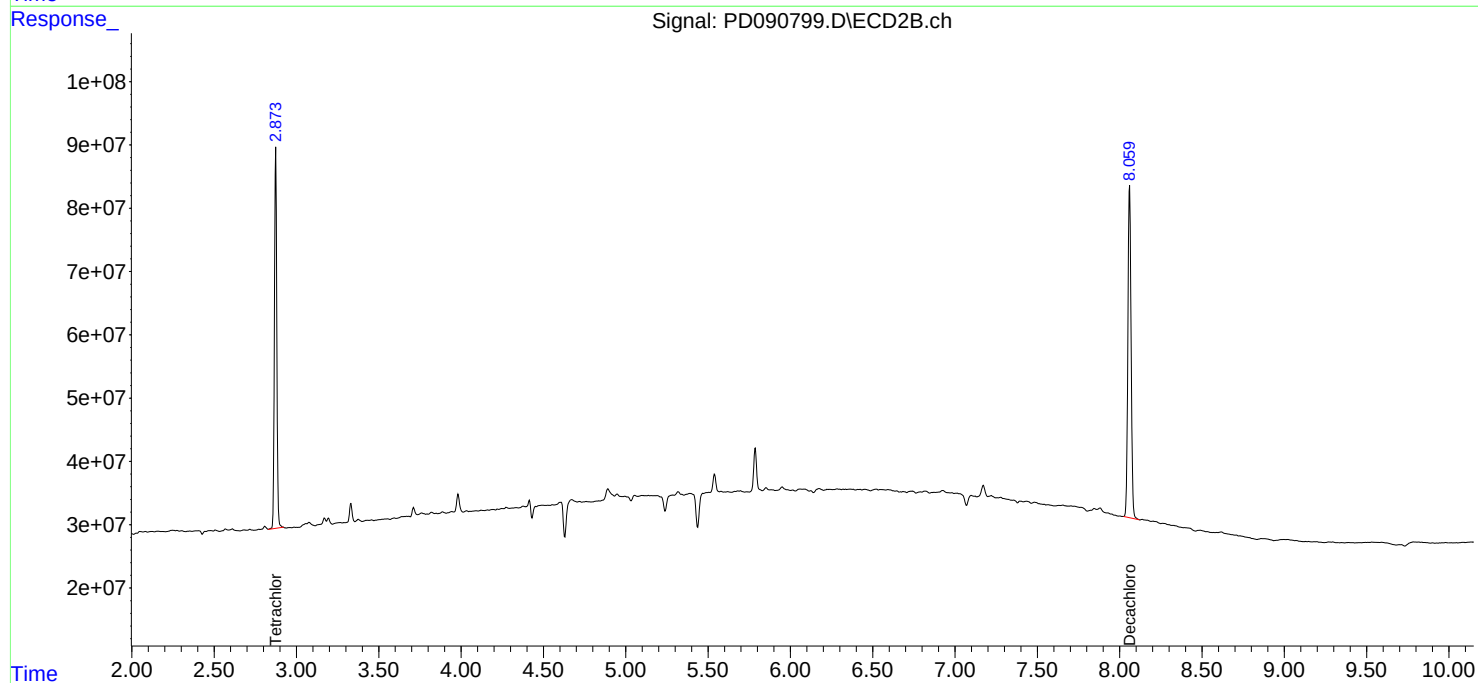
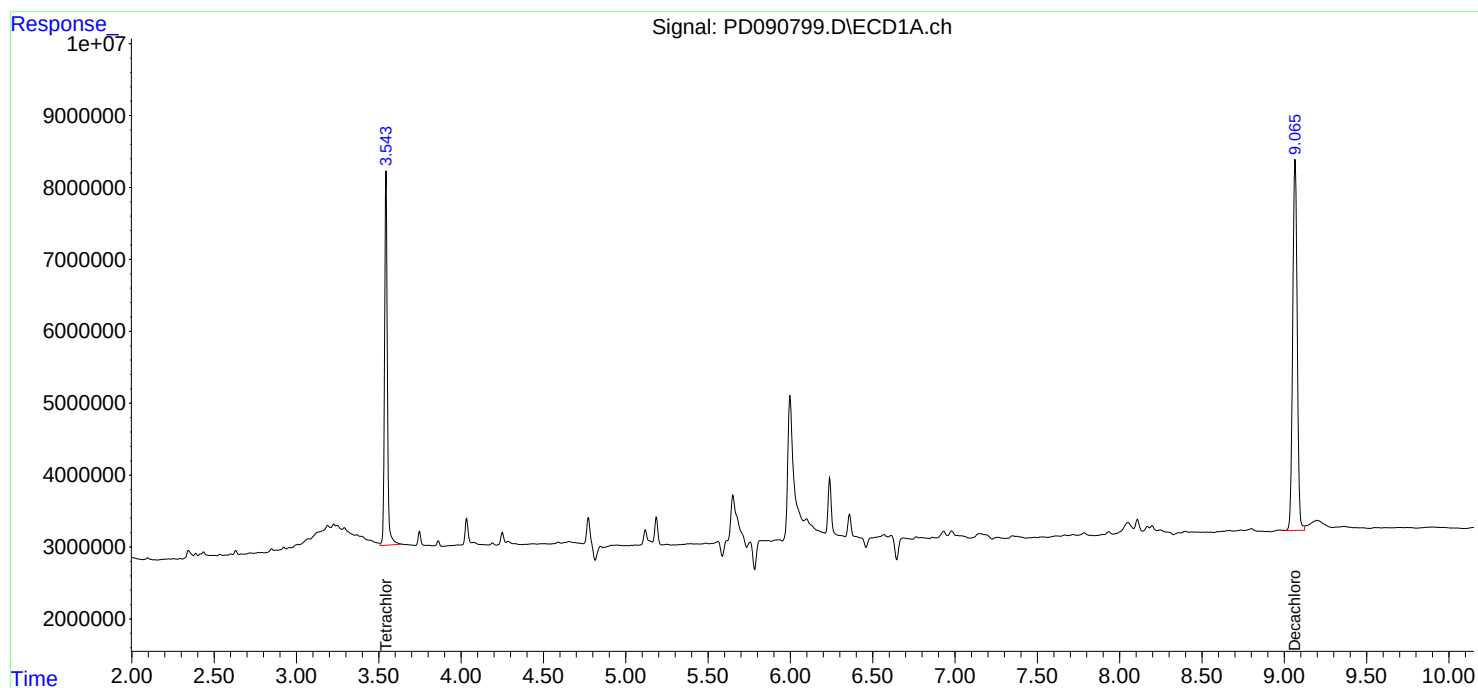
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

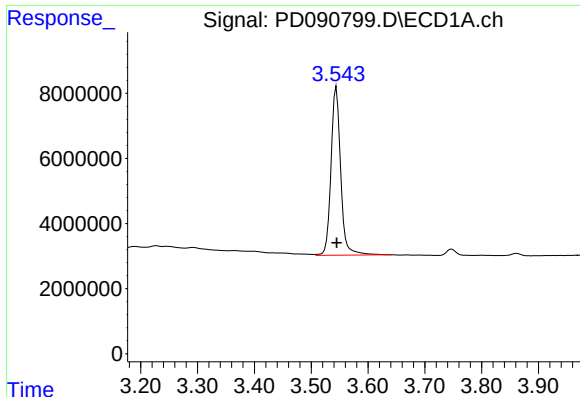
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090799.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 18:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:17:56 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

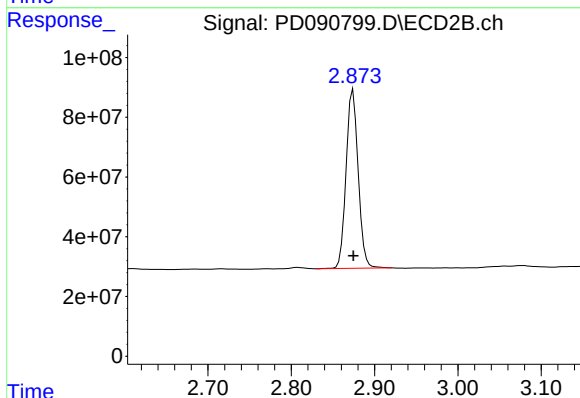




#1 Tetrachloro-m-xylene

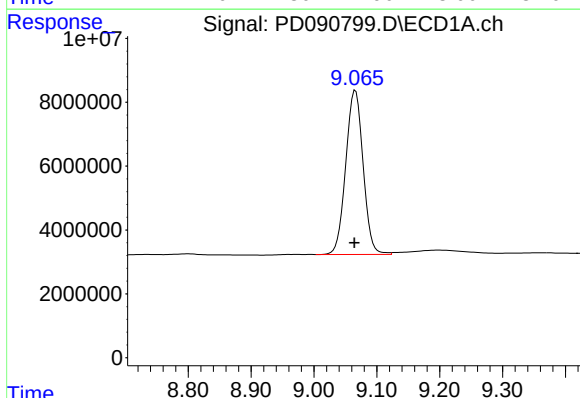
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 61423175
Conc: 19.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



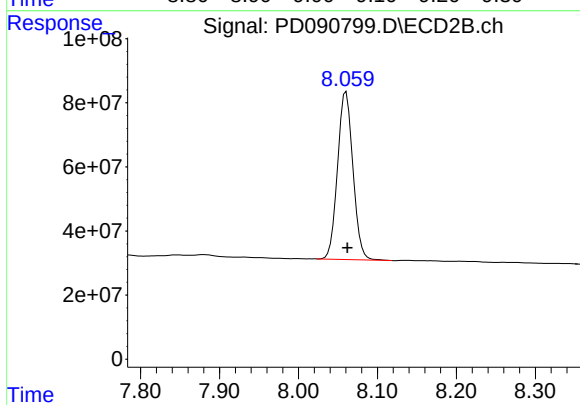
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 603039284
Conc: 20.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 98642834
Conc: 21.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.001 min
Response: 707847221
Conc: 23.37 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090808.D		SDG No.:	Q3424
Lab Sample ID:	I.BLK-PD090808.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	10/24/25	pd102425
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.1			57 - 171	120%	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

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\PD102425\
Data File : PD090808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 09:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:02 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	64667152	629.3E6	20.765	21.134
28)	SA Decachlor...	9.064	8.059	102.8E6	729.0E6	21.976	24.065

Target Compounds

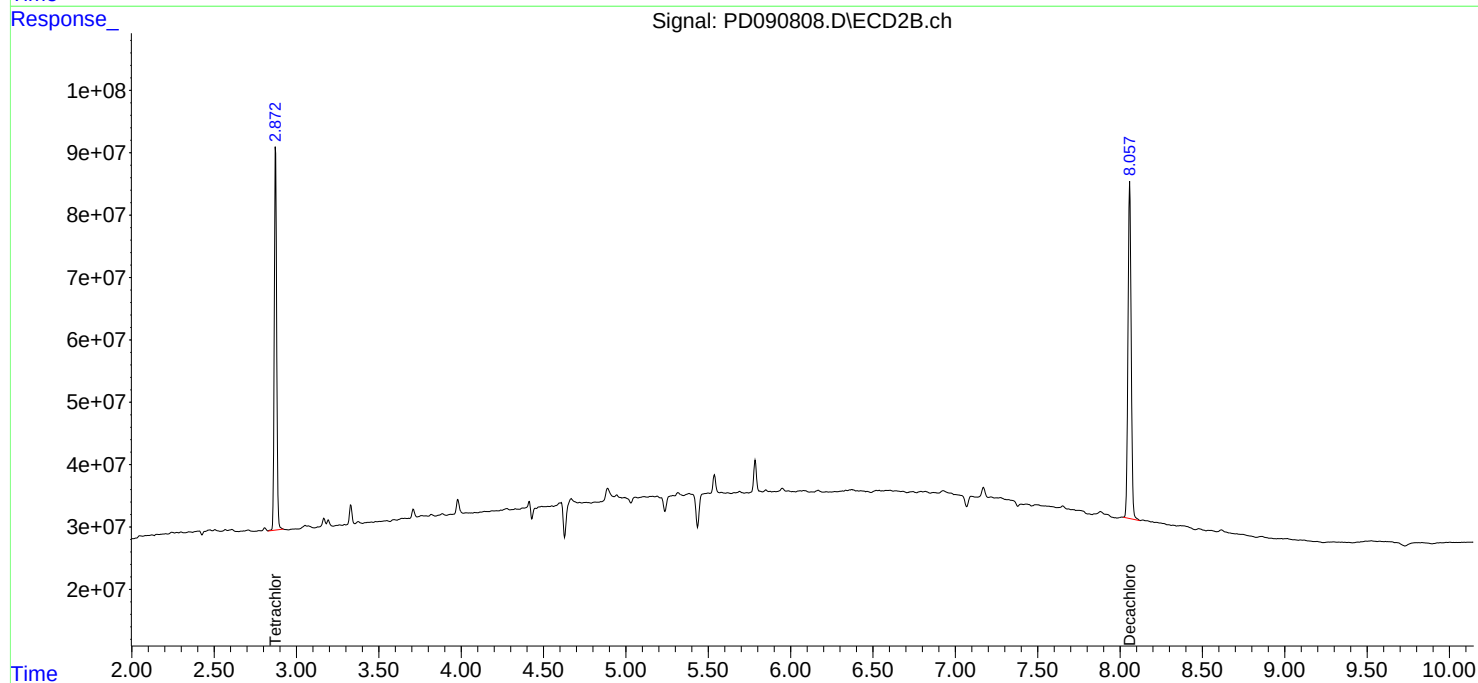
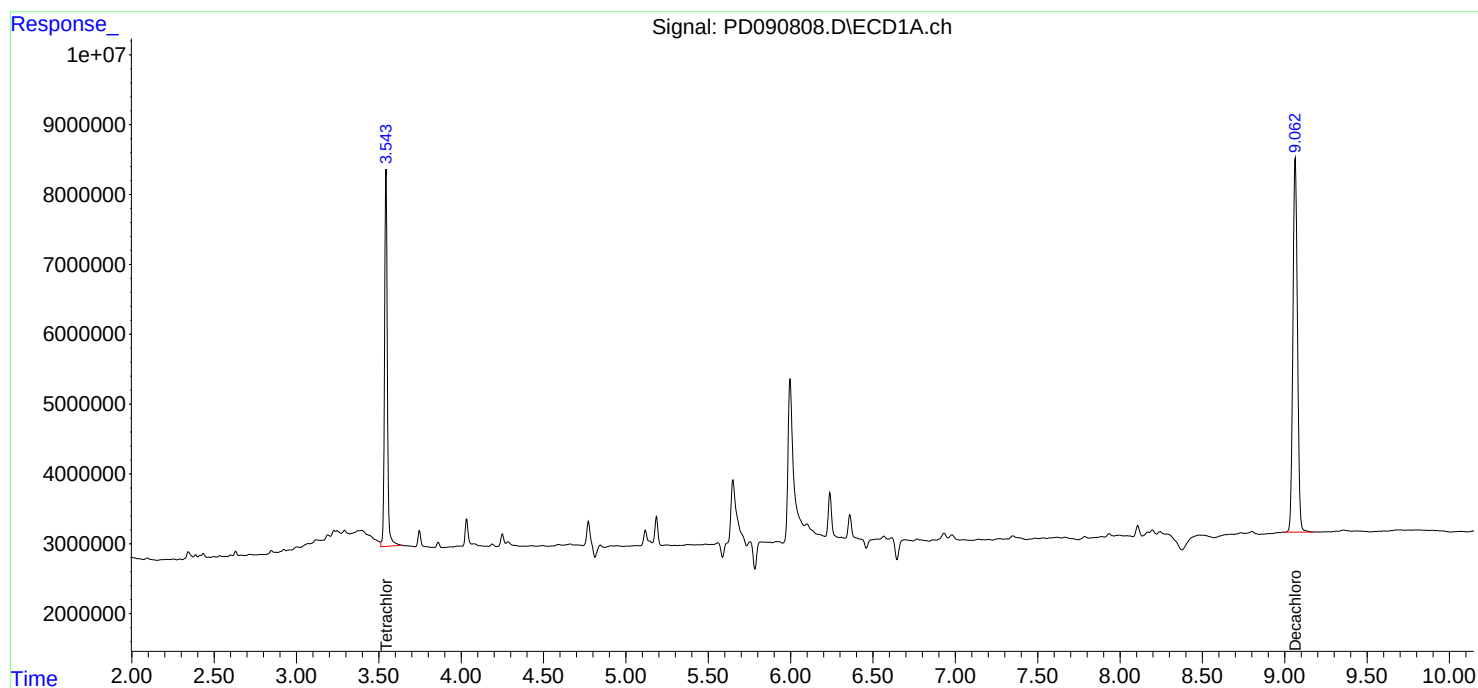
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

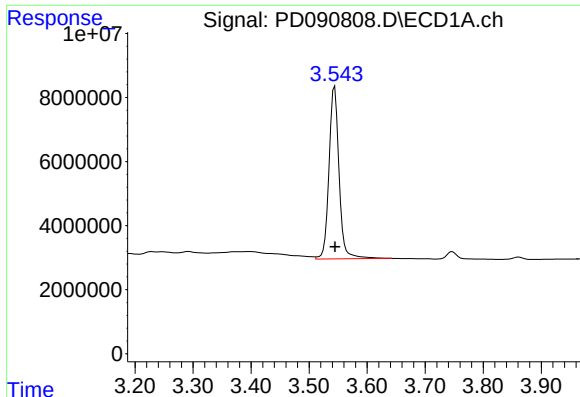
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 09:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:02 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

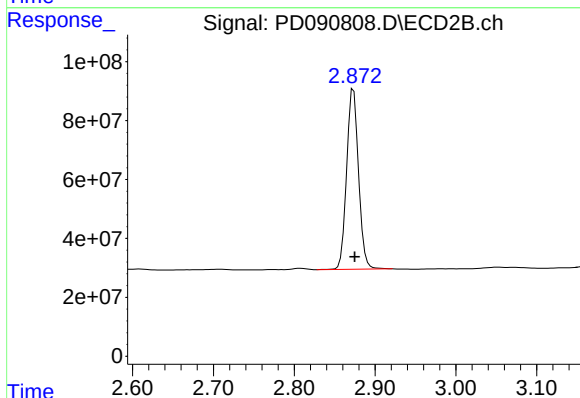




#1 Tetrachloro-m-xylene

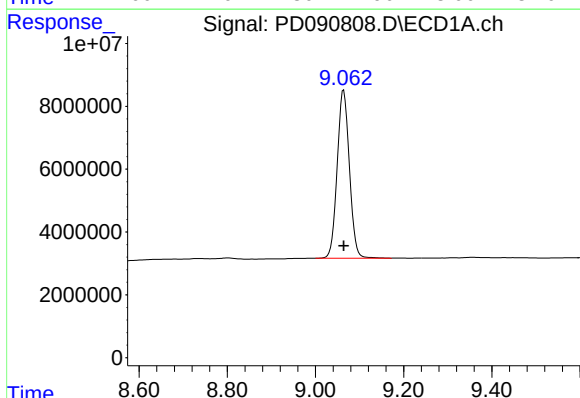
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 64667152
Conc: 20.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



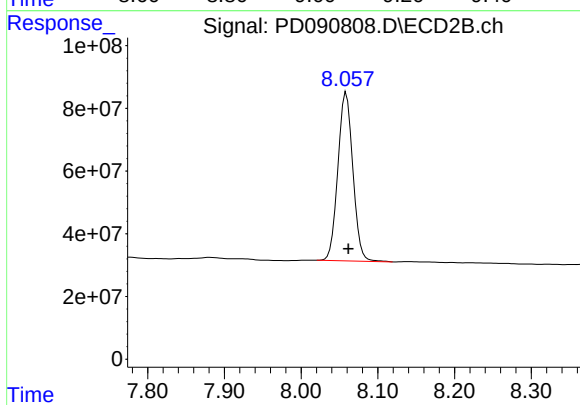
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 629321680
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 102804895
Conc: 21.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 728970168
Conc: 24.07 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090823.D		SDG No.:	Q3424
Lab Sample ID:	I.BLK-PD090823.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	10/24/25	pd102425
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.3			57 - 171	87%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.6			61 - 148	98%	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\PD102425\
 Data File : PD090823.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 15:10
 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 23:38:38 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	58080865	585.2E6	18.651	19.653
28)	SA Decachlor...	9.063	8.060	81113564	371.3E6	17.340	12.257 #

Target Compounds

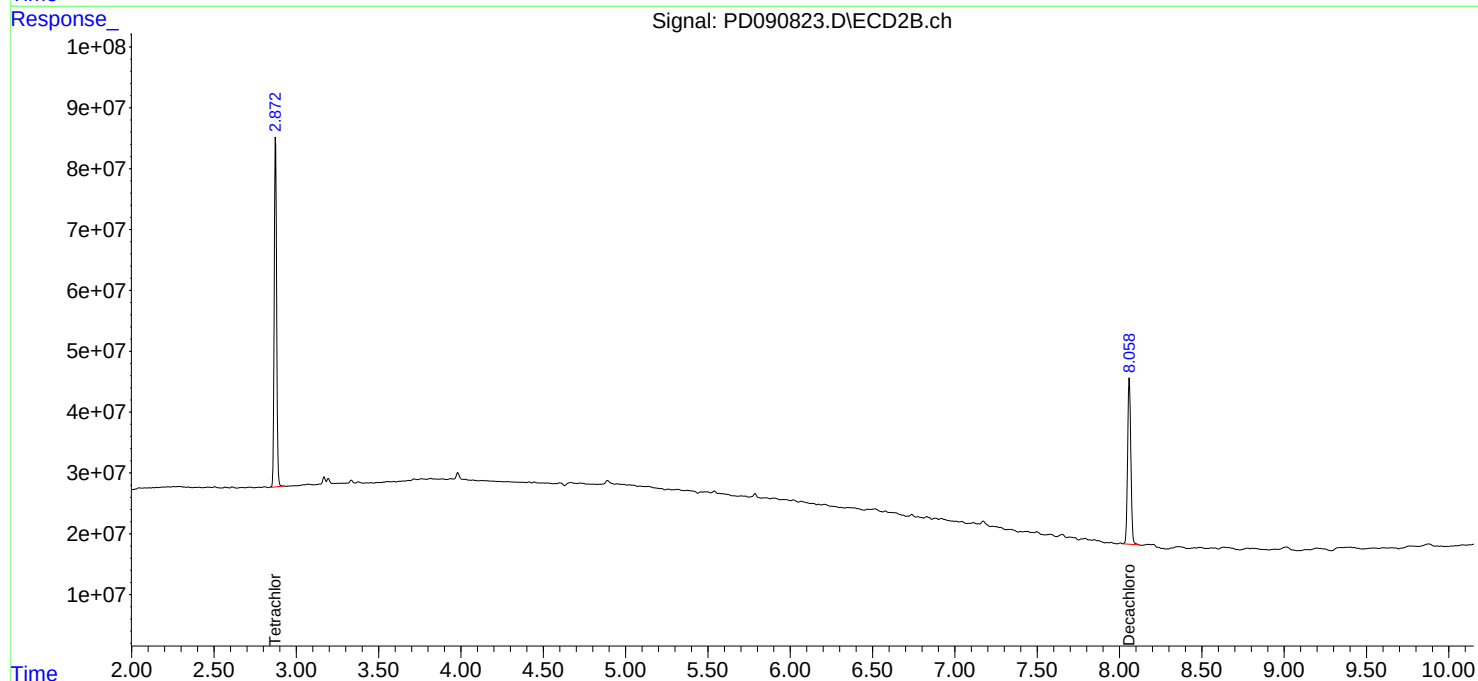
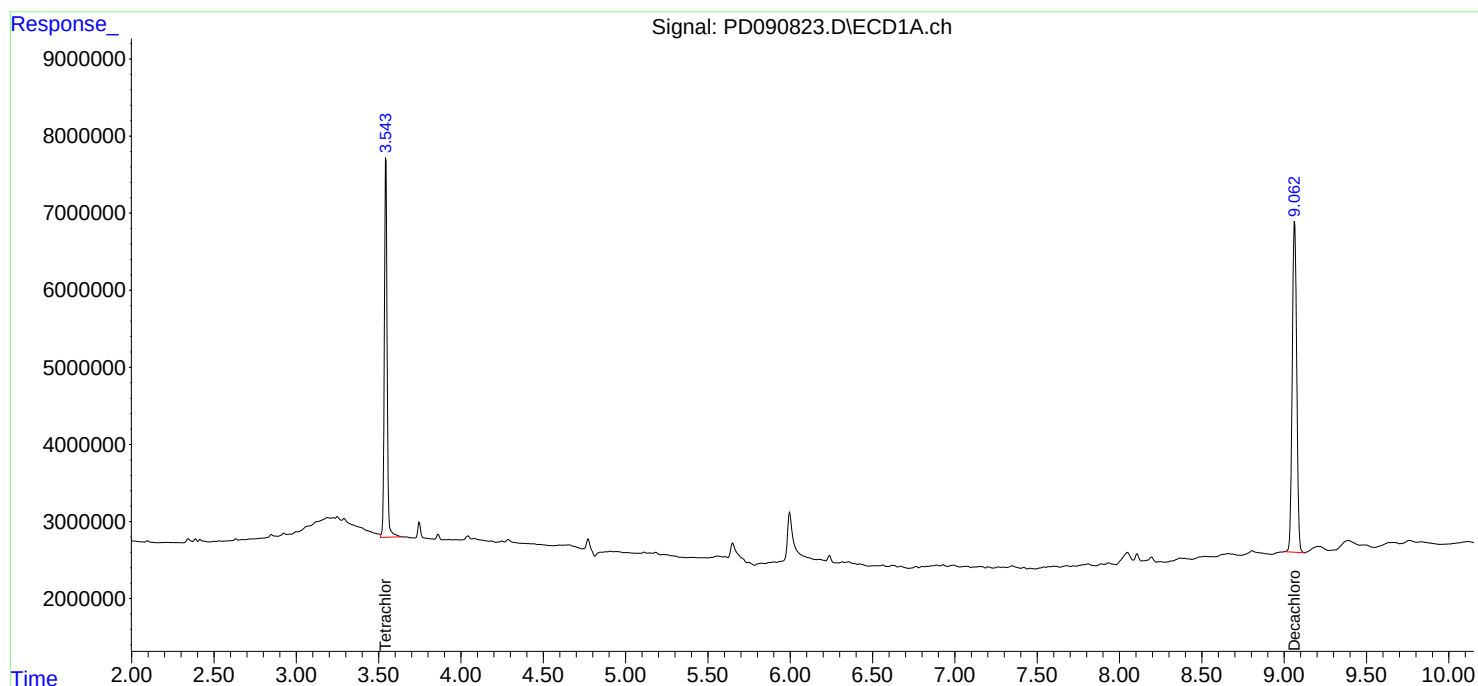
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

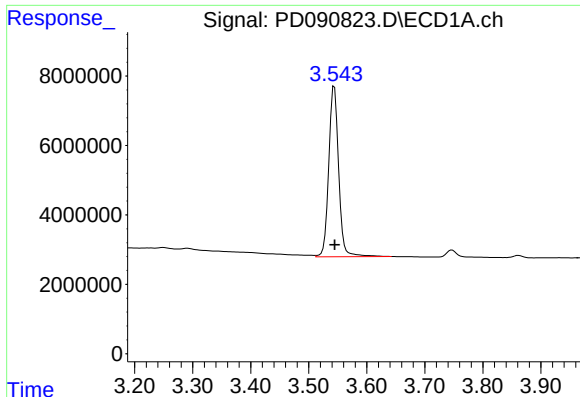
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:38 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

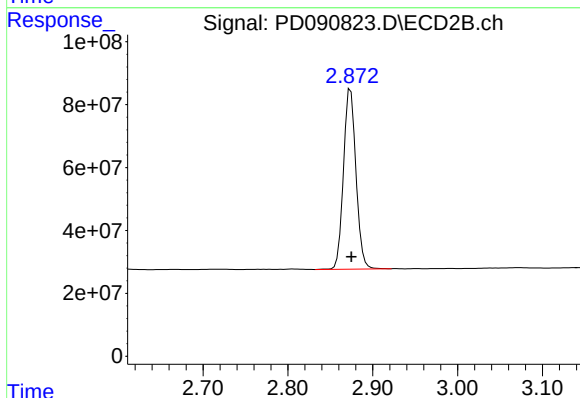




#1 Tetrachloro-m-xylene

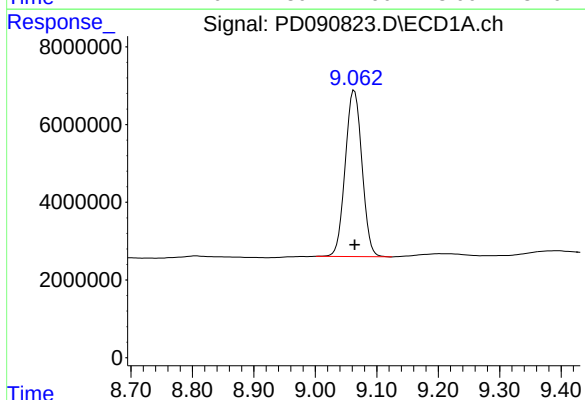
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 58080865
Conc: 18.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



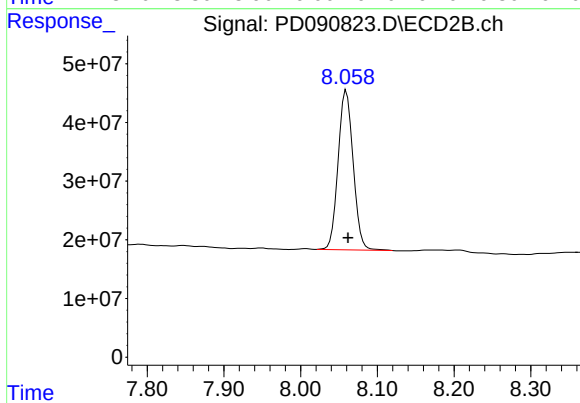
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 585216345
Conc: 19.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.000 min
Response: 81113564
Conc: 17.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 371270679
Conc: 12.26 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.:	Q3424
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

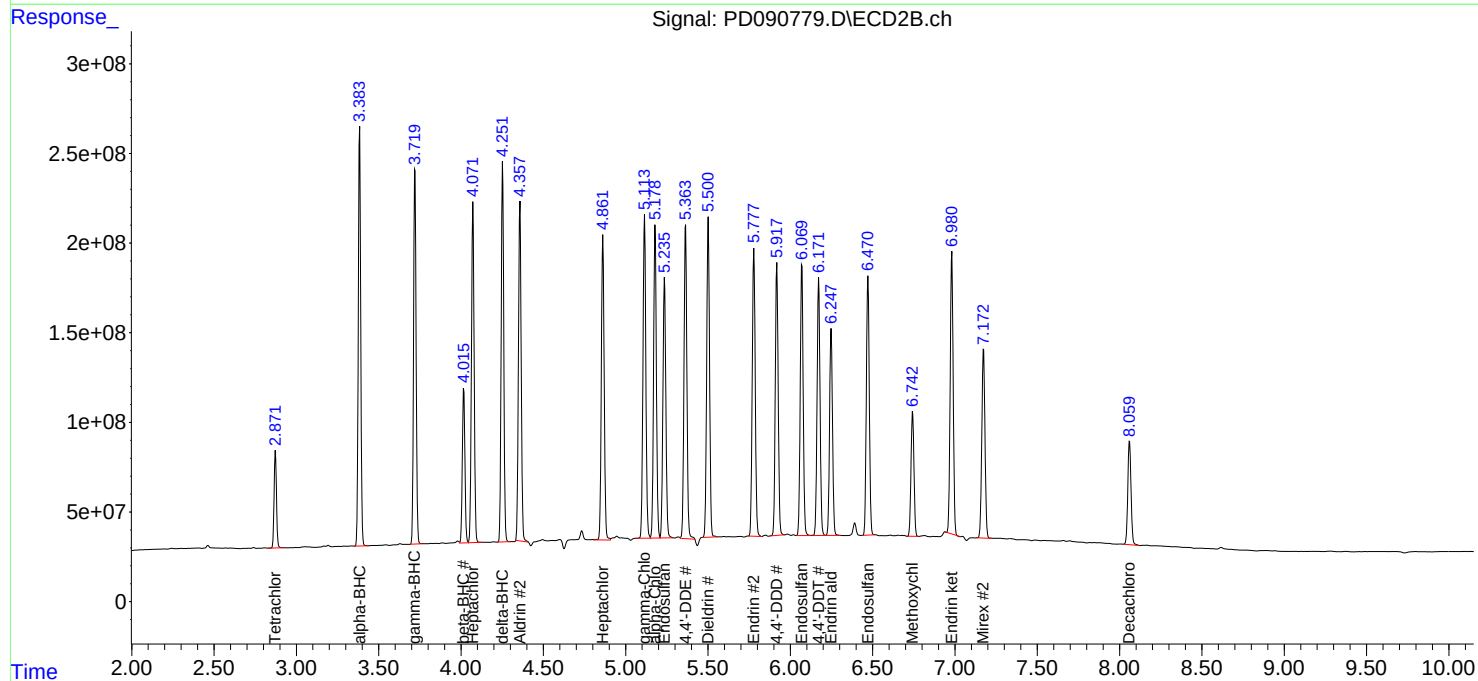
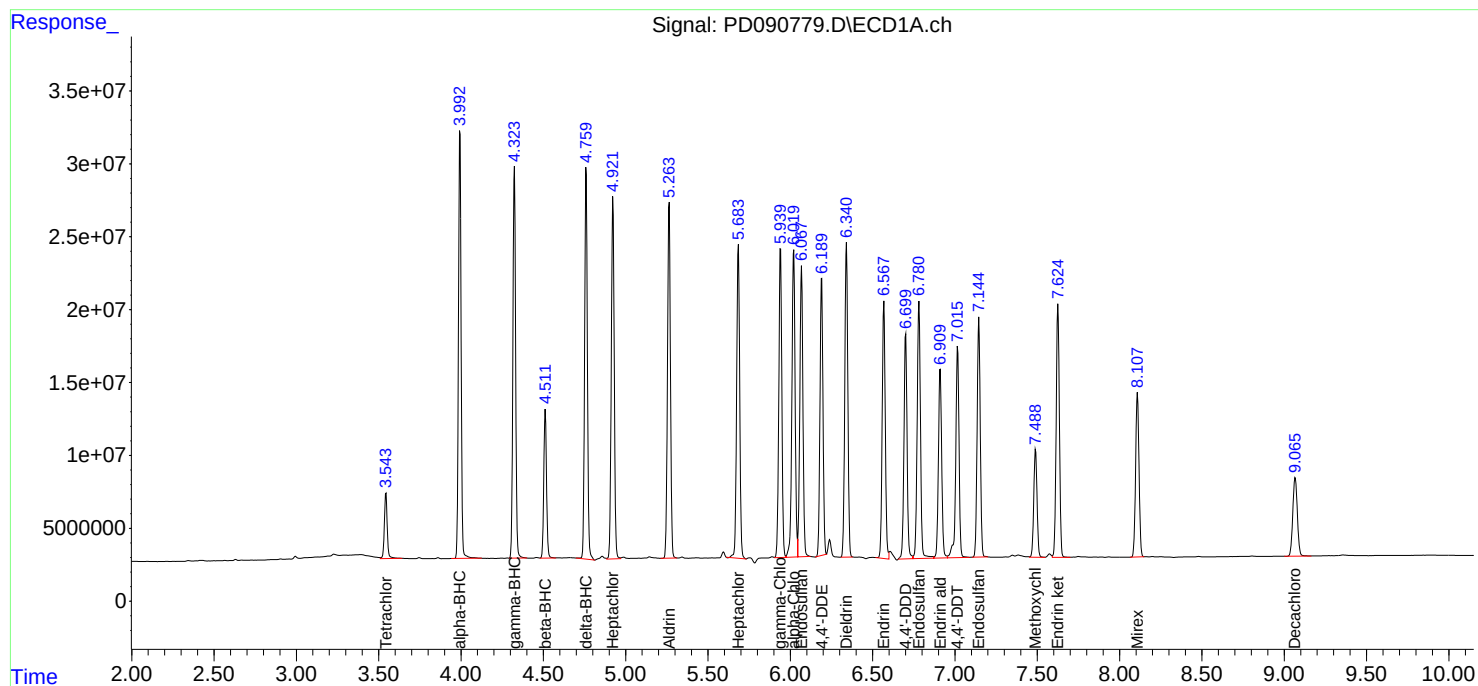
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

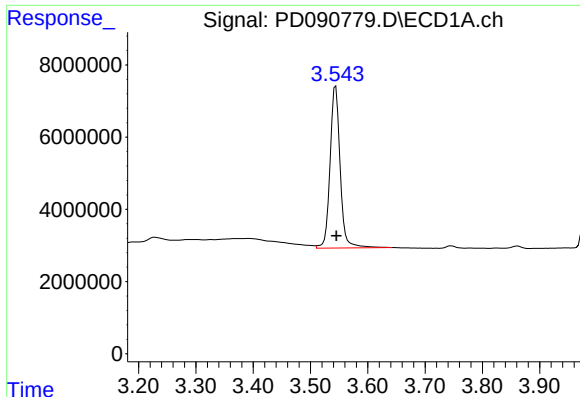
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 13:30
Operator : AR\AJ
Sample : PB170213BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

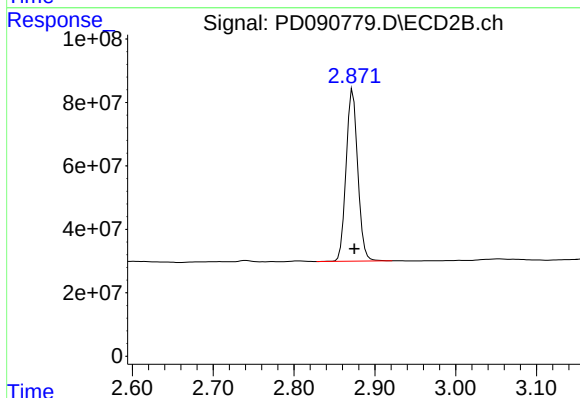




#1 Tetrachloro-m-xylene

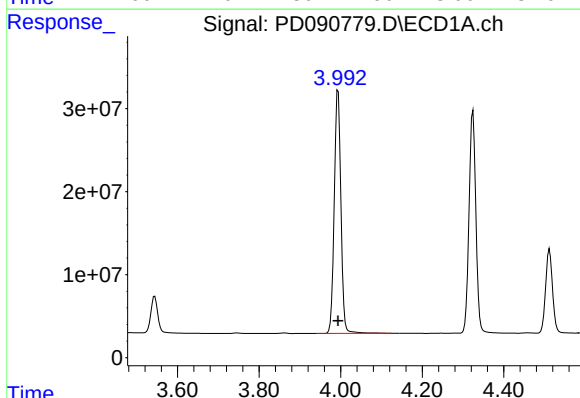
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 54886223
Conc: 17.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



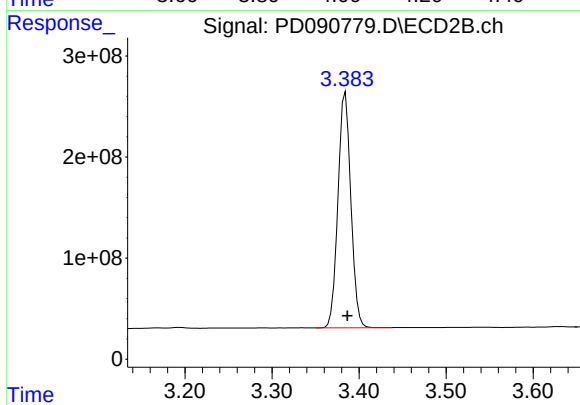
#1 Tetrachloro-m-xylene

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

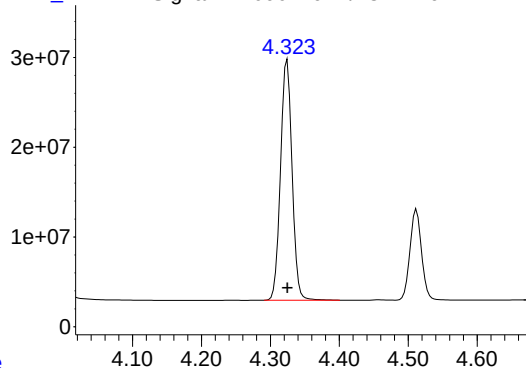


#2 alpha-BHC

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)

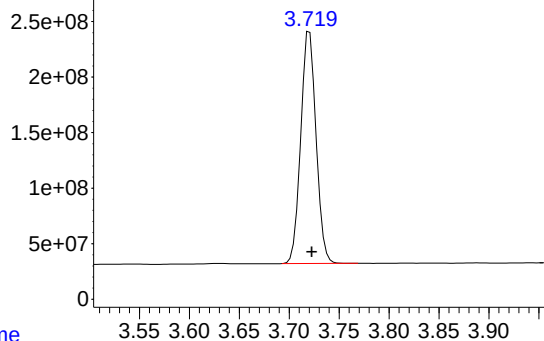


R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 311214996
Conc: 45.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time Response_ Signal: PD090779.D\ECD2B.ch

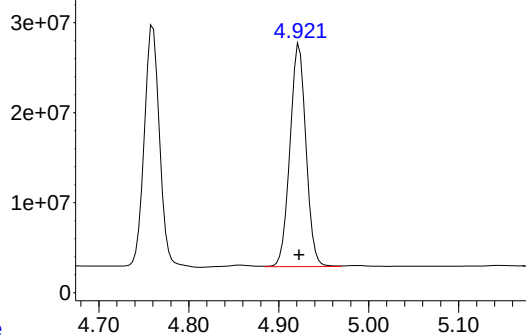
#3 gamma-BHC (Lindane)



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

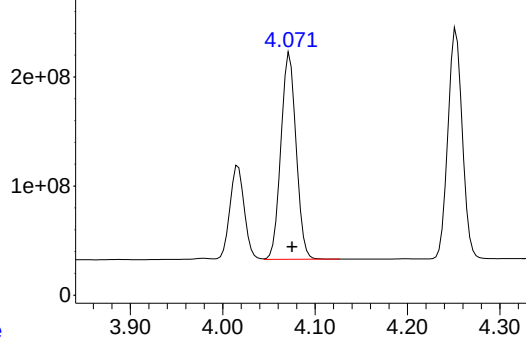
#4 Heptachlor



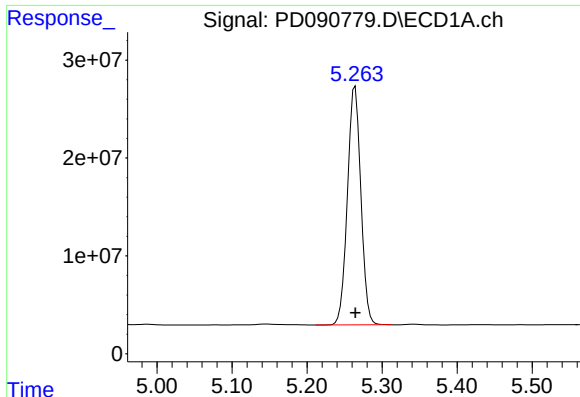
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 305799562
Conc: 54.71 ng/ml

Time Response_ Signal: PD090779.D\ECD2B.ch

#4 Heptachlor



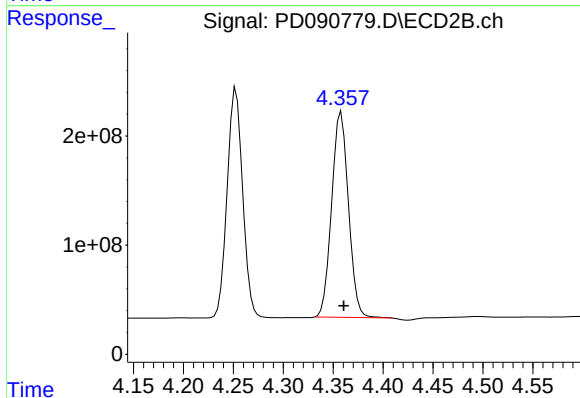
R.T.: 4.072 min
Delta R.T.: -0.002 min
Response: 2163924425
Conc: 48.52 ng/ml



#5 Aldrin

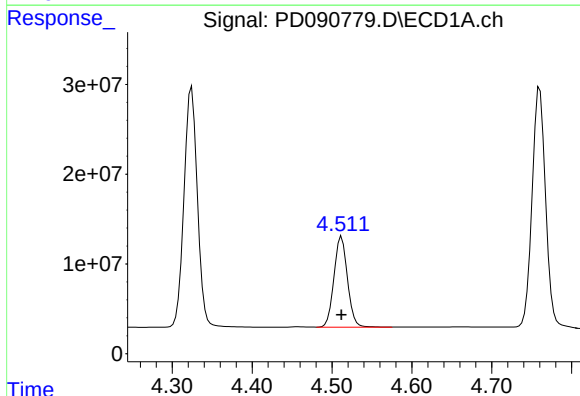
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 303079265
Conc: 46.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



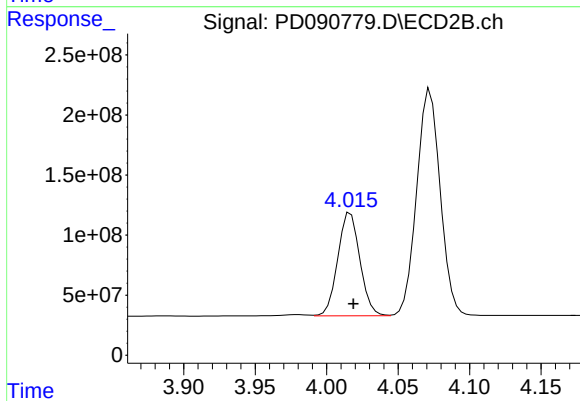
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.003 min
Response: 2206432982
Conc: 47.64 ng/ml



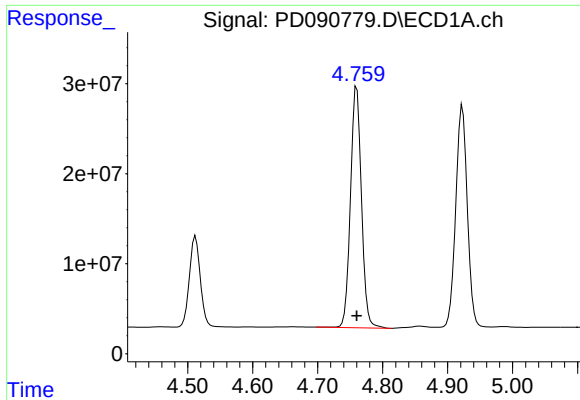
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 118495324
Conc: 45.23 ng/ml



#6 beta-BHC

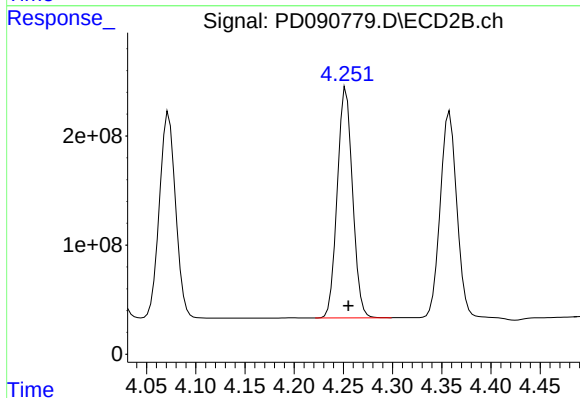
R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 926907058
Conc: 46.74 ng/ml



#7 delta-BHC

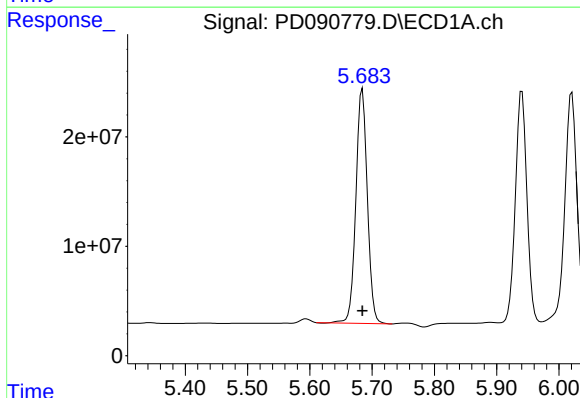
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 315878726
Conc: 46.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



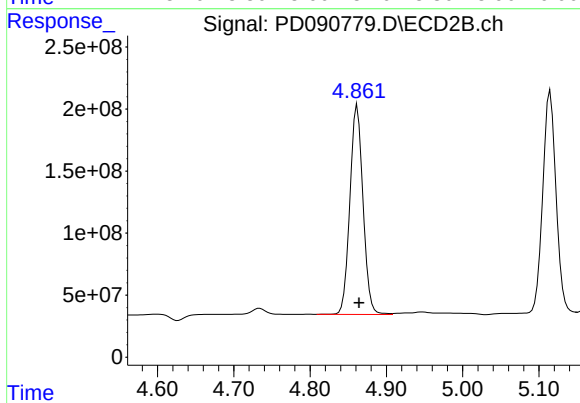
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2278274941
Conc: 47.75 ng/ml



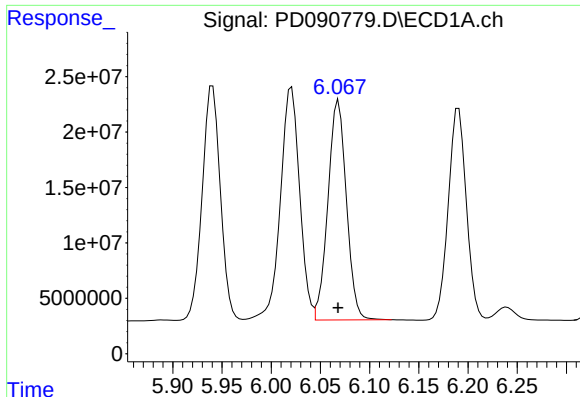
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 276312774
Conc: 47.73 ng/ml



#8 Heptachlor epoxide

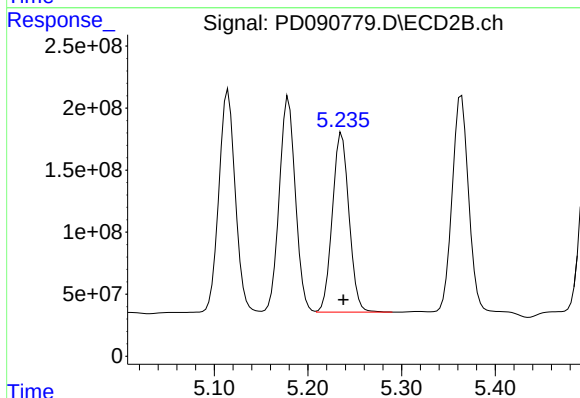
R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2026138595
Conc: 47.52 ng/ml



#9 Endosulfan I

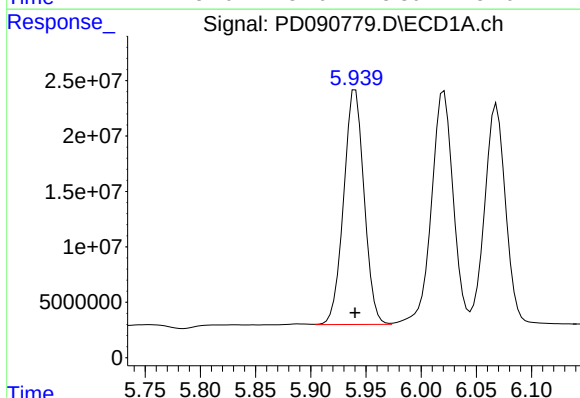
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 259178126
Conc: 46.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



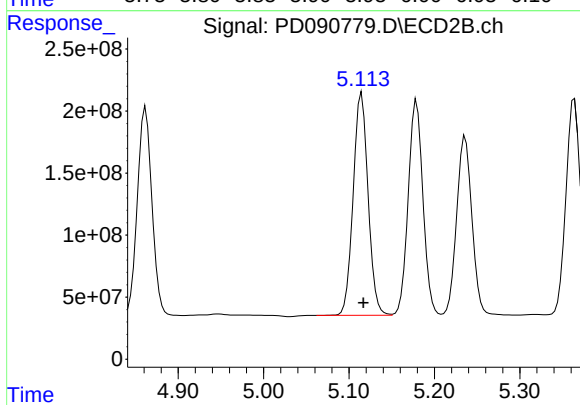
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1791960502
Conc: 45.49 ng/ml



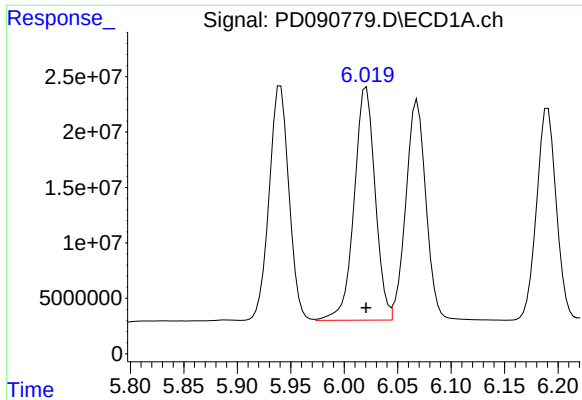
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 272851252
Conc: 46.00 ng/ml



#10 gamma-Chlordane

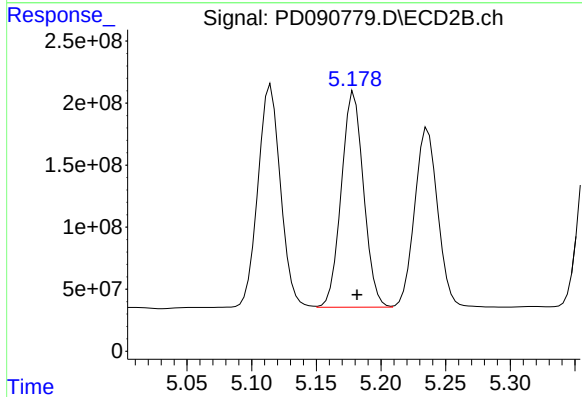
R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2174774079
Conc: 48.38 ng/ml



#11 alpha-Chlordane

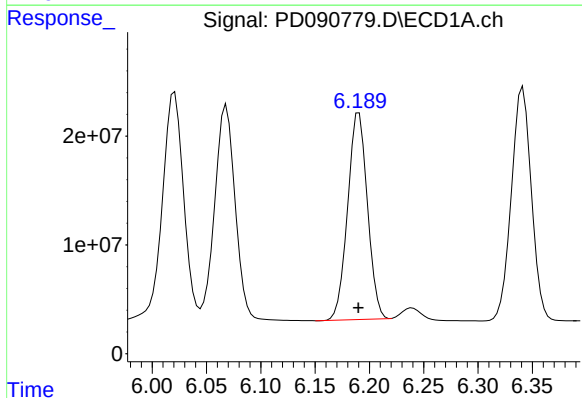
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 286789260
Conc: 46.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



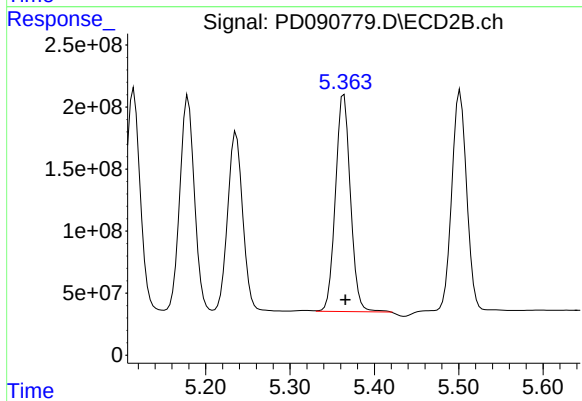
#11 alpha-Chlordane

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



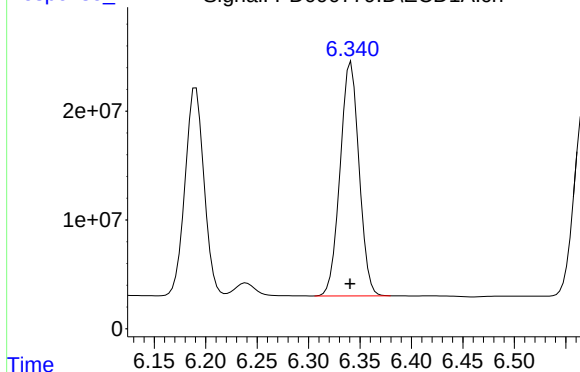
#12 4,4'-DDE

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

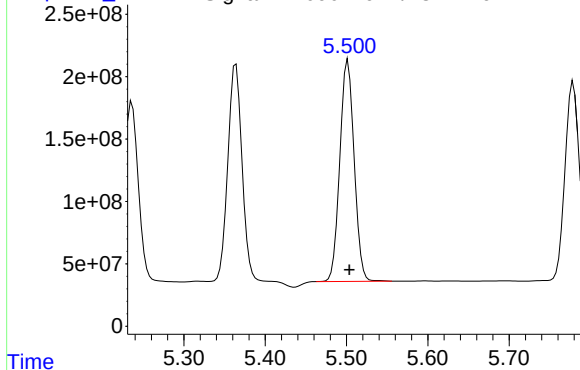
Instrument :
ECD_D
ClientSampleId :
PB170213BS

Time

Response_

Signal: PD090779.D\ECD2B.ch

#13 Dieldrin



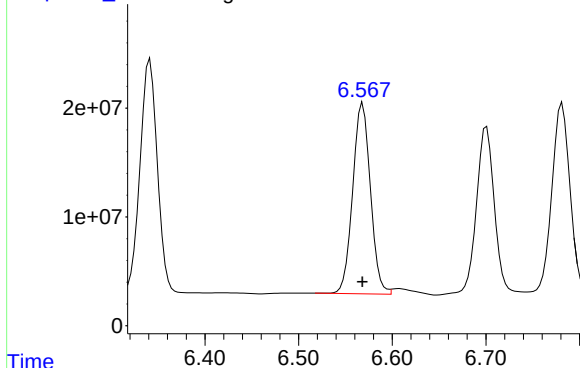
R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2168652375
Conc: 49.08 ng/ml

Time

Response_

Signal: PD090779.D\ECD1A.ch

#14 Endrin



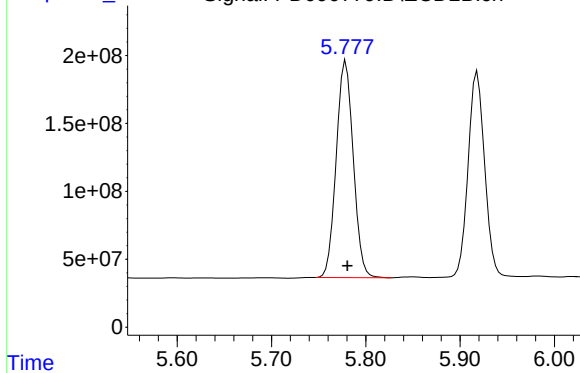
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 230980851
Conc: 46.63 ng/ml

Time

Response_

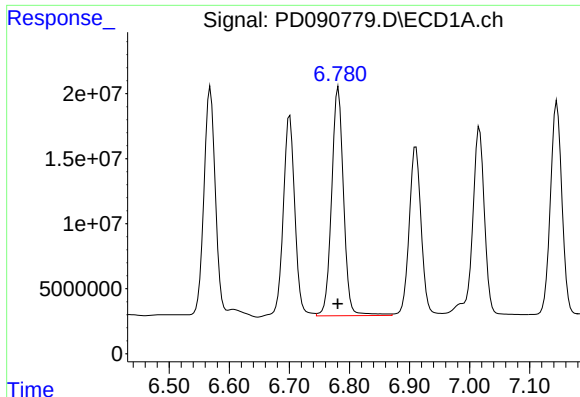
Signal: PD090779.D\ECD2B.ch

#14 Endrin



R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2006944790
Conc: 49.56 ng/ml

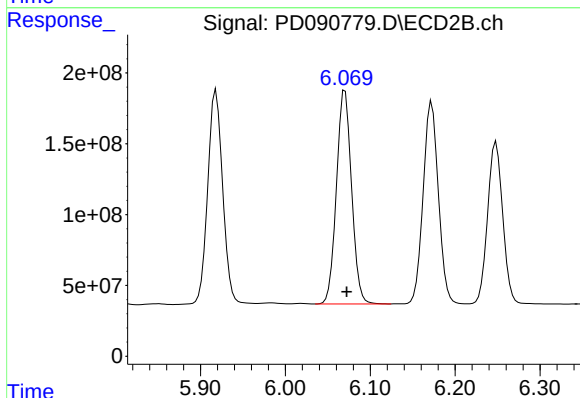
Time



#15 Endosulfan II

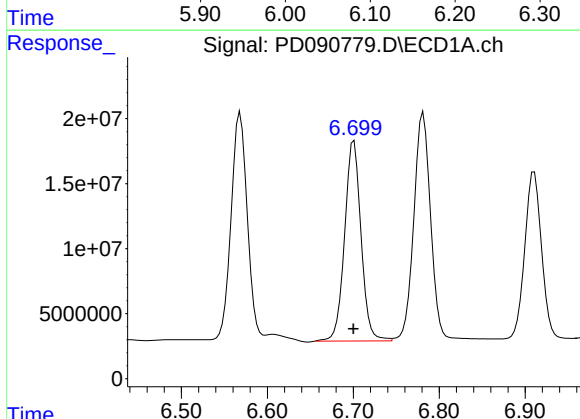
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 242801356
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



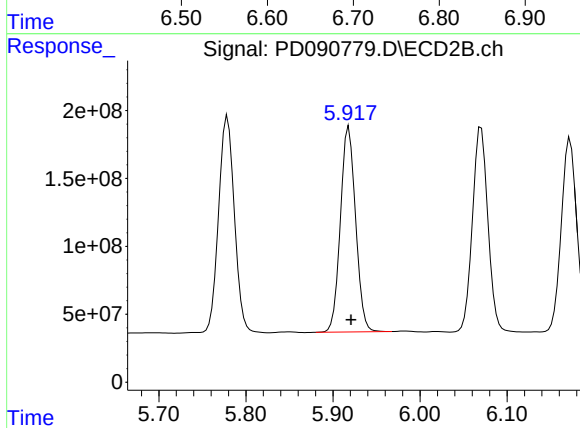
#15 Endosulfan II

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

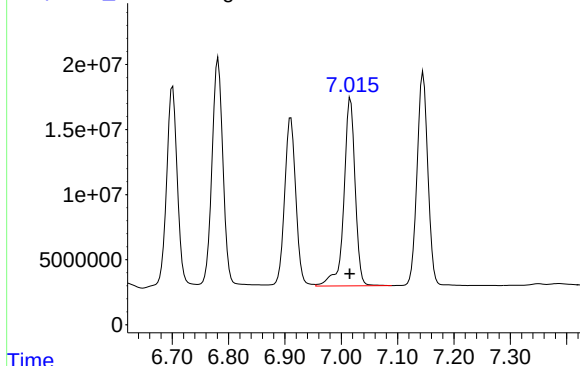
R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1833151731
Conc: 50.31 ng/ml

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

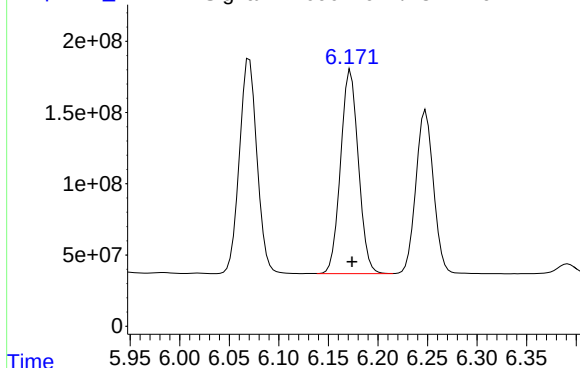
Instrument :
ECD_D
ClientSampleId :
PB170213BS



Time Response_ Signal: PD090779.D\ECD2B.ch

#17 4,4'-DDT

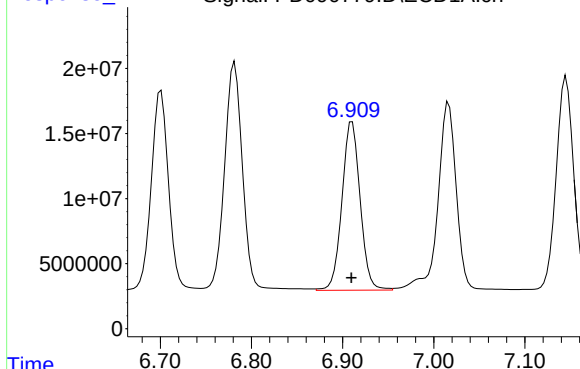
R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1786197670
Conc: 50.93 ng/ml



Time Response_ Signal: PD090779.D\ECD1A.ch

#18 Endrin aldehyde

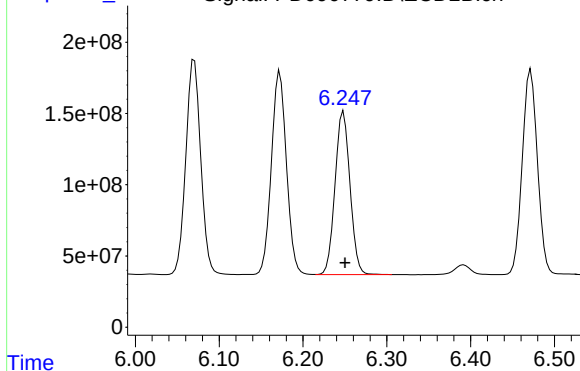
R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 179417562
Conc: 48.99 ng/ml

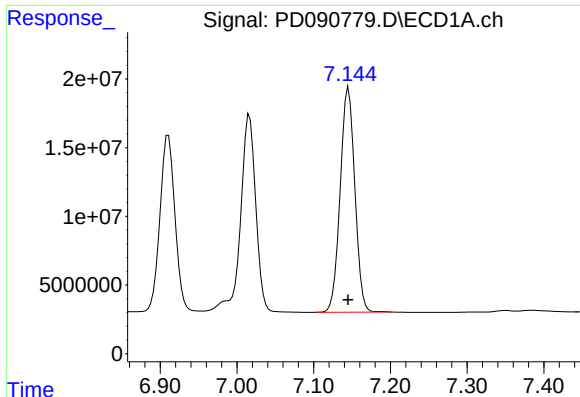


Time Response_ Signal: PD090779.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1418090849
Conc: 51.21 ng/ml

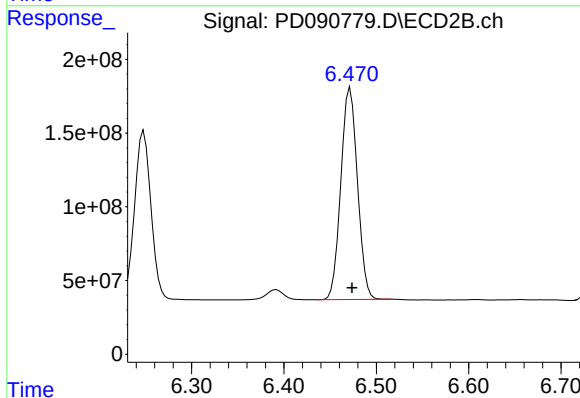




#19 Endosulfan Sulfate

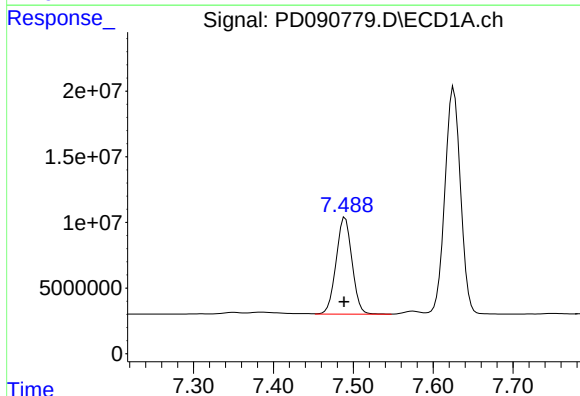
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 217120098
Conc: 46.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



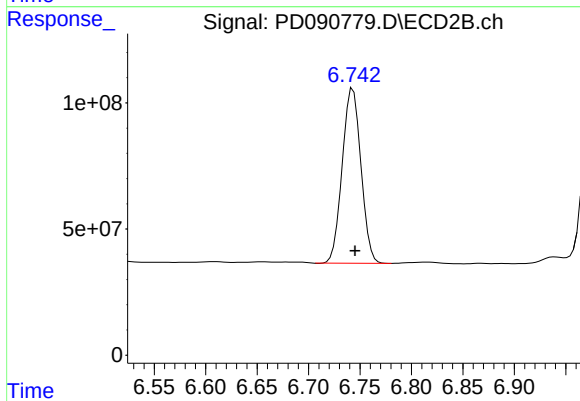
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1799990685
Conc: 50.22 ng/ml



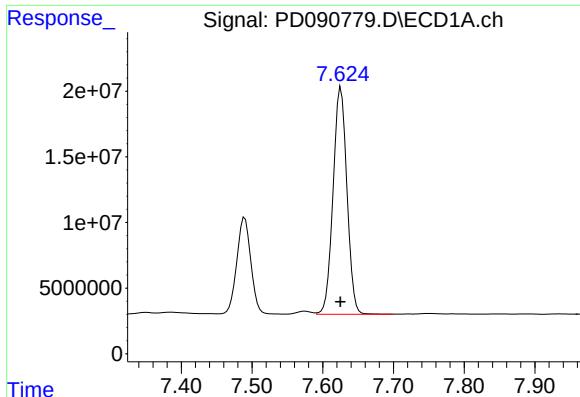
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 101976592
Conc: 47.98 ng/ml



#20 Methoxychlor

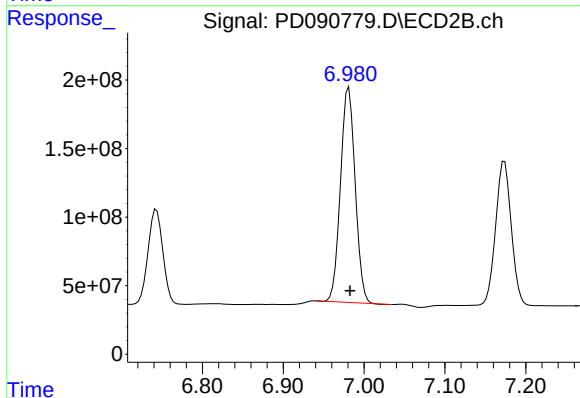
R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 878692026
Conc: 50.42 ng/ml



#21 Endrin ketone

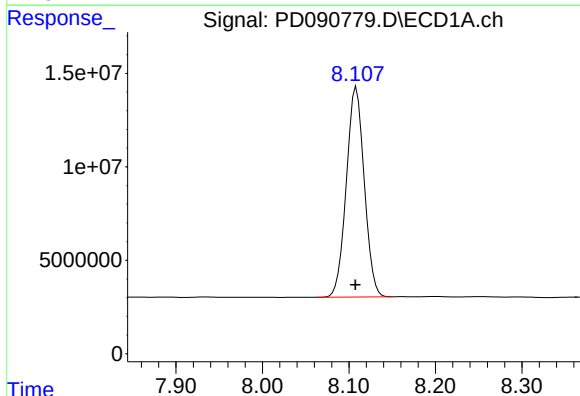
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 235057168
Conc: 48.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170213BS



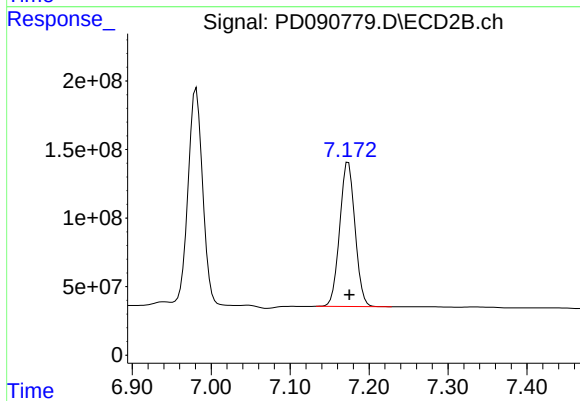
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1977631813
Conc: 52.43 ng/ml



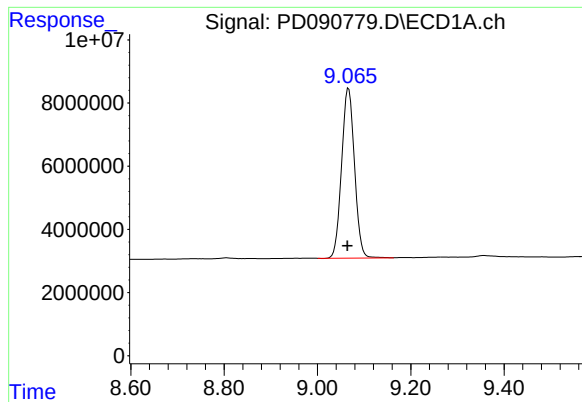
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.001 min
Response: 161070093
Conc: 50.32 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.002 min
Response: 1416825413
Conc: 55.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min

Delta R.T.: 0.003 min

Response: 103249055

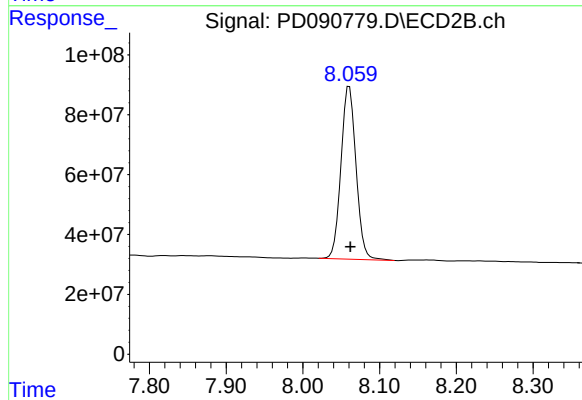
Conc: 22.07 ng/ml

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.:	Q3424
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	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 14:44	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

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

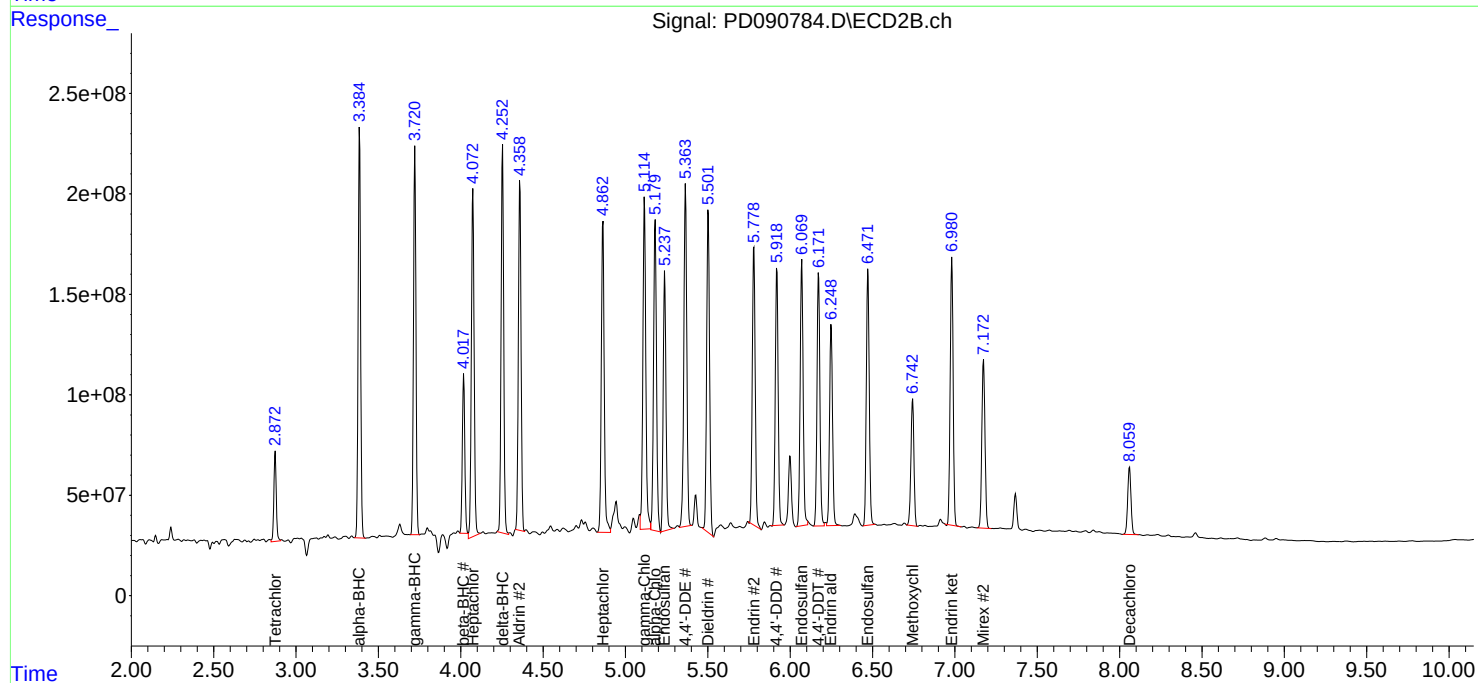
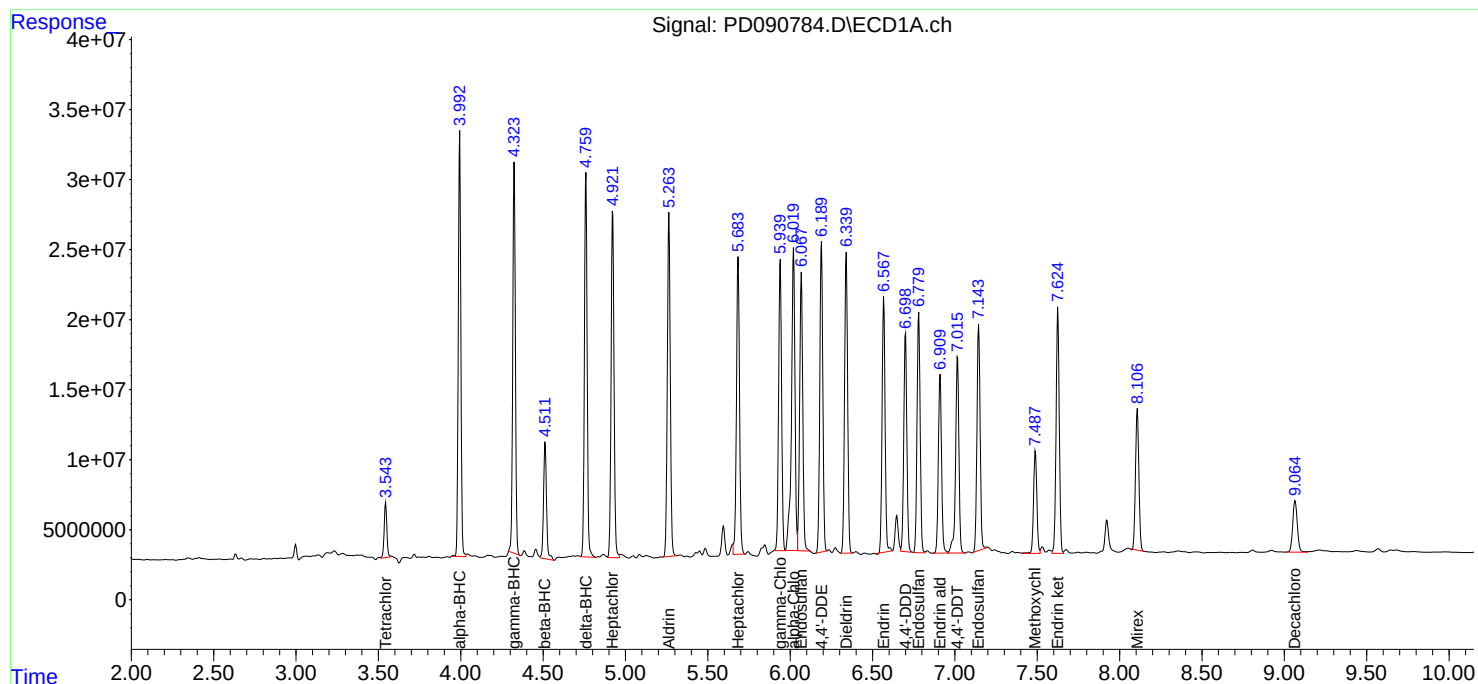
Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MS

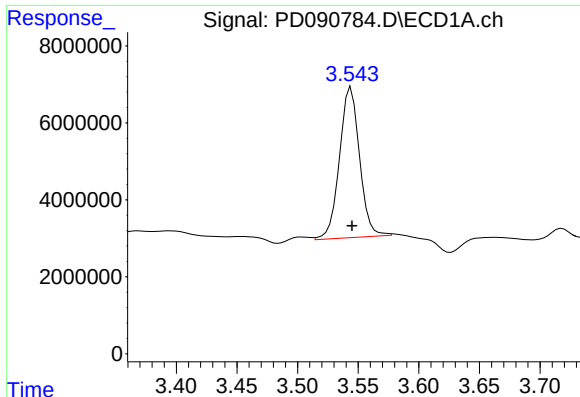
Manual Integrations
APPROVED

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 :

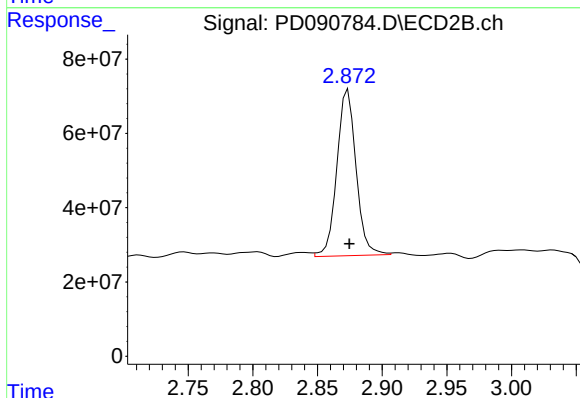
PR132-S07-000102-20251017MS

Manual Integrations

APPROVED

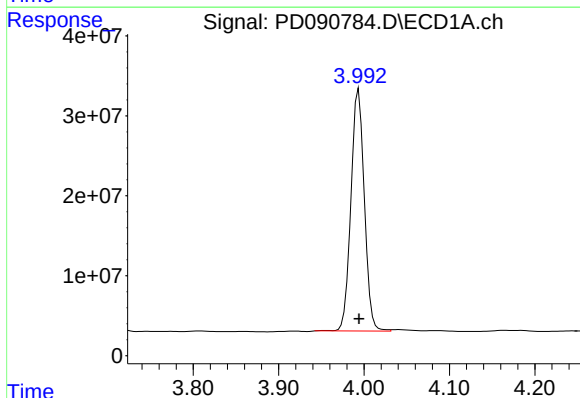
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



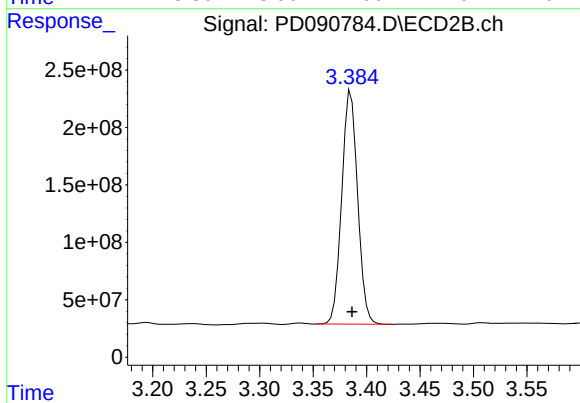
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 461607764
Conc: 15.50 ng/ml



#2 alpha-BHC

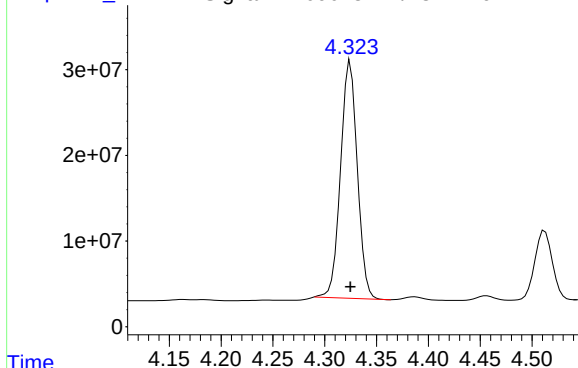
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 329598835
Conc: 45.92 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2105177045
Conc: 41.20 ng/ml

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

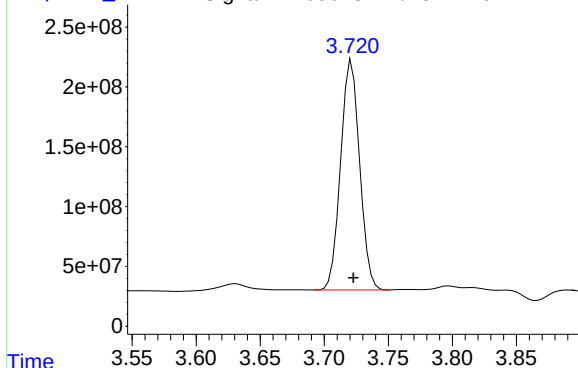
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

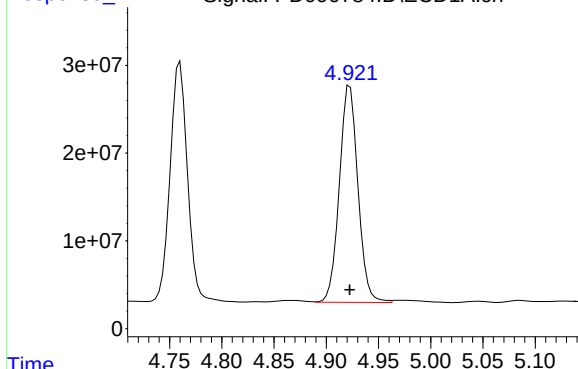
Signal: PD090784.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 1982545742
Conc: 41.96 ng/ml

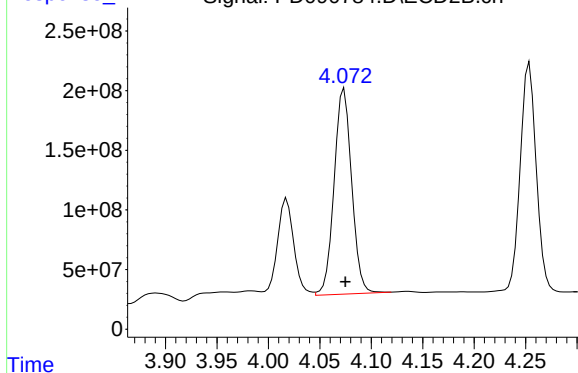
Signal: PD090784.D\ECD1A.ch



#4 Heptachlor

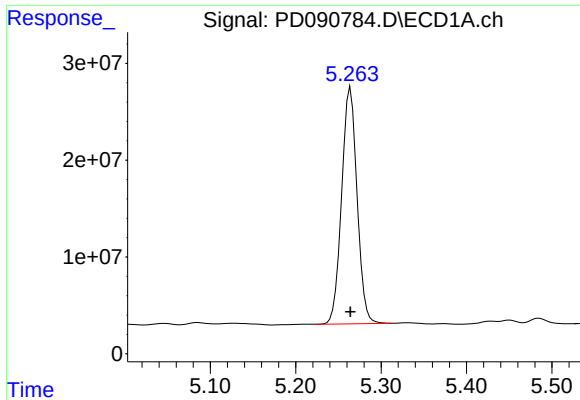
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 305315908
Conc: 54.62 ng/ml

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



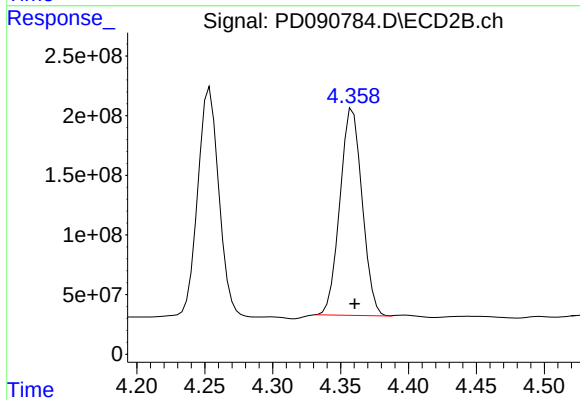
#5 Aldrin

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

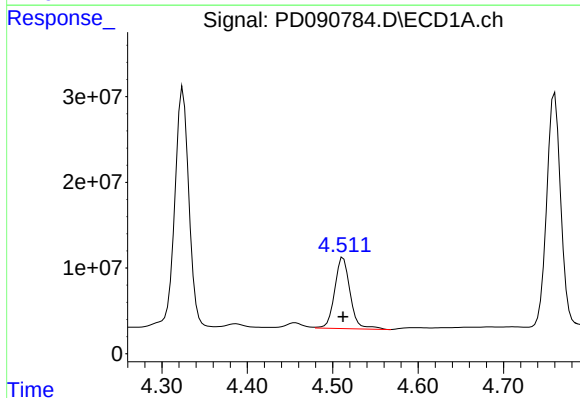
Manual Integrations
APPROVED

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



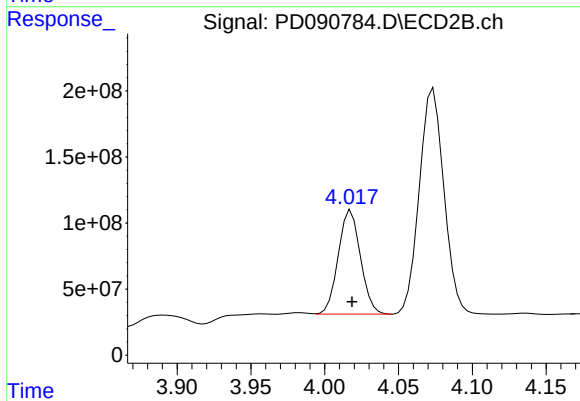
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 1977856256
Conc: 42.70 ng/ml



#6 beta-BHC

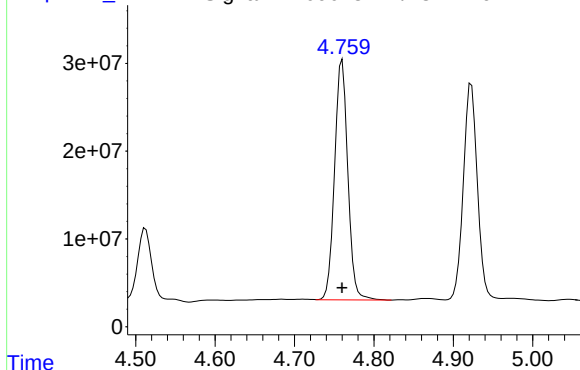
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 105095517
Conc: 40.12 ng/ml



#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

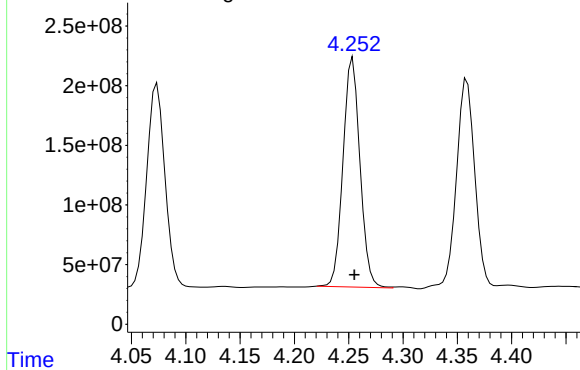
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 316661802
Conc: 46.83 ng/ml

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

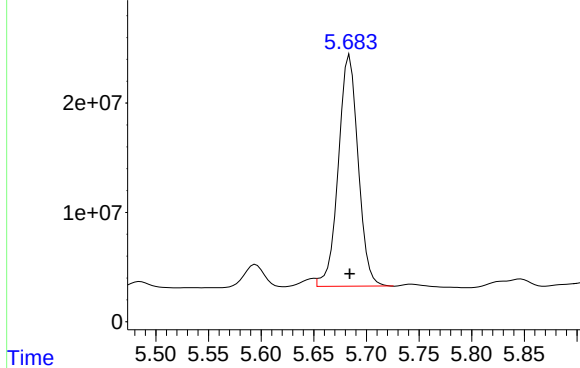
Response_ Signal: PD090784.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2090674265
Conc: 43.81 ng/ml

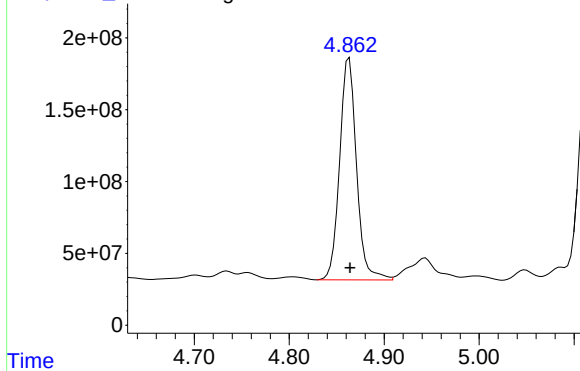
Response_ Signal: PD090784.D\ECD1A.ch



#8 Heptachlor epoxide

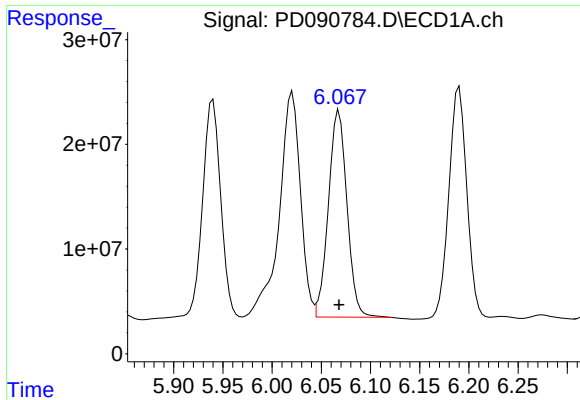
R.T.: 5.683 min
Delta R.T.: -0.002 min
Response: 277050674
Conc: 47.86 ng/ml m

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



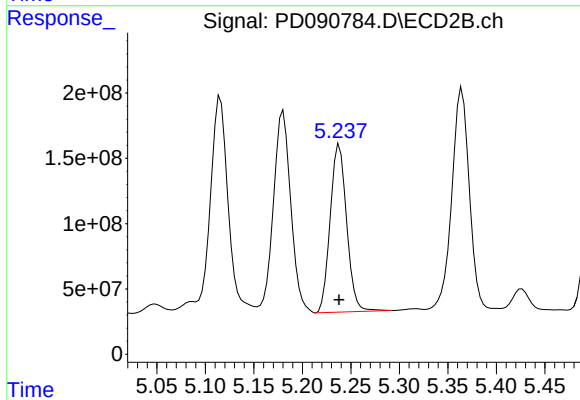
#9 Endosulfan I

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

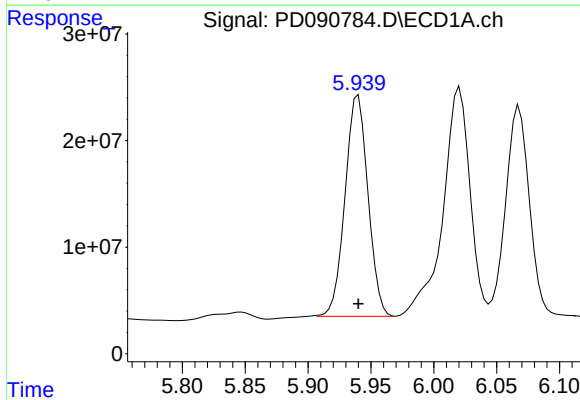
Manual Integrations
APPROVED

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



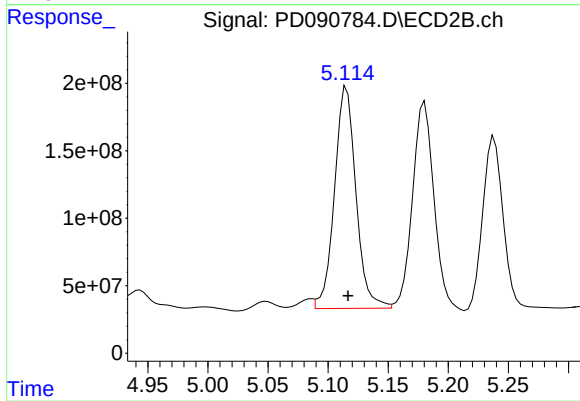
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1513623070
Conc: 38.43 ng/ml



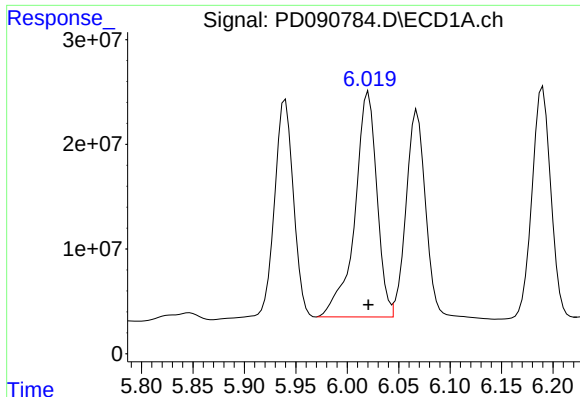
#10 gamma-Chlordane

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

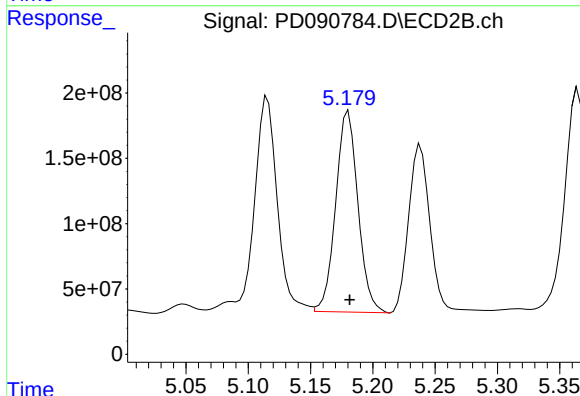
ClientSampleId :

PR132-S07-000102-20251017MS

Manual Integrations

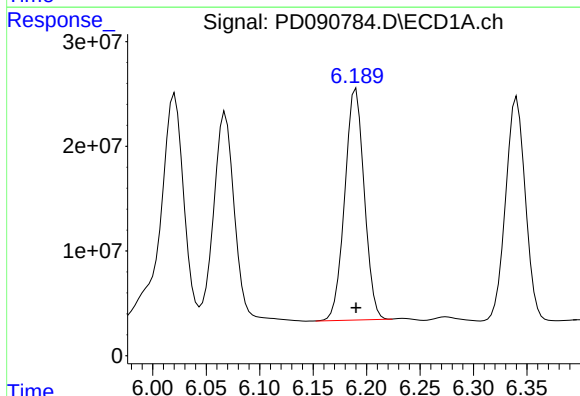
APPROVED

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



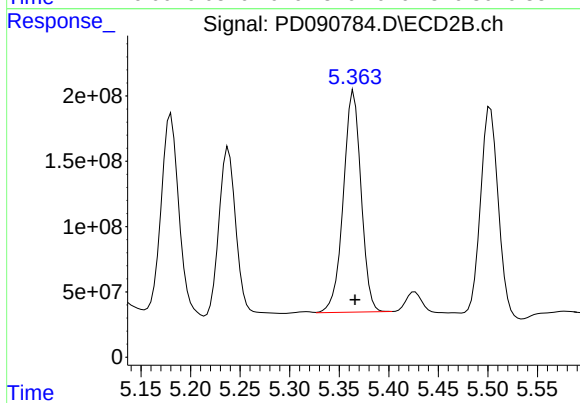
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 1919961285
Conc: 44.51 ng/ml



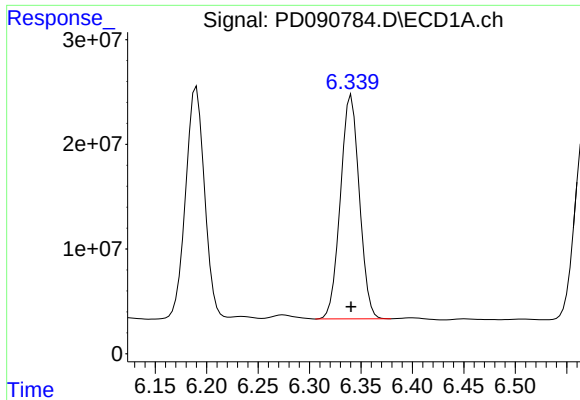
#12 4,4'-DDE

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



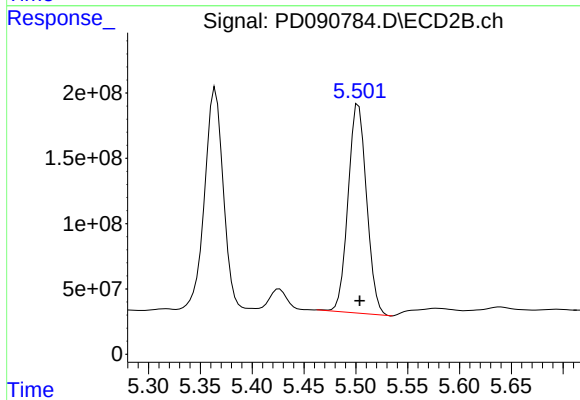
#13 Dieldrin

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

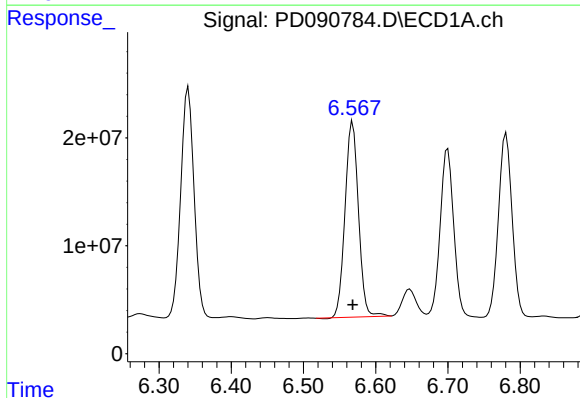
Manual Integrations
APPROVED

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



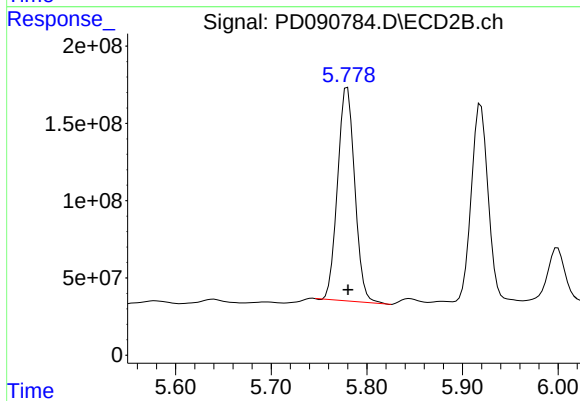
#13 Dieldrin

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.: 6.698 min
Delta R.T.: -0.002 min
Response: 201608068
Conc: 49.73 ng/ml m

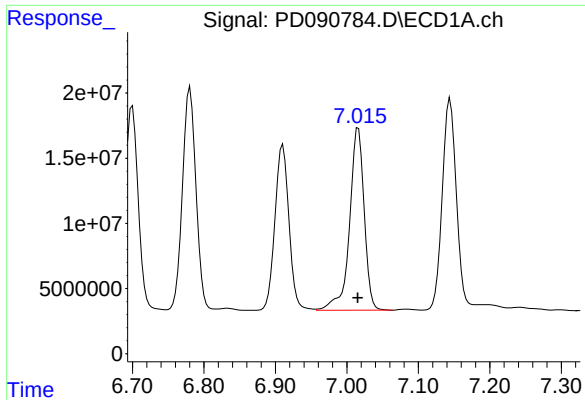
Time

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



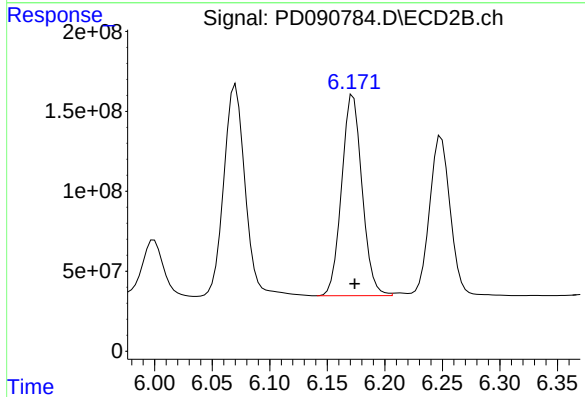
#17 4,4'-DDT

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

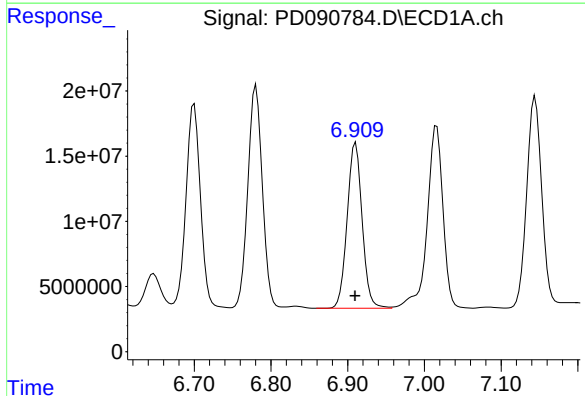
Manual Integrations
APPROVED

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



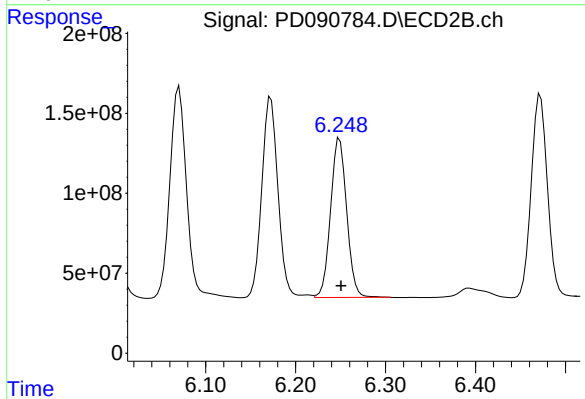
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1558824891
Conc: 44.45 ng/ml



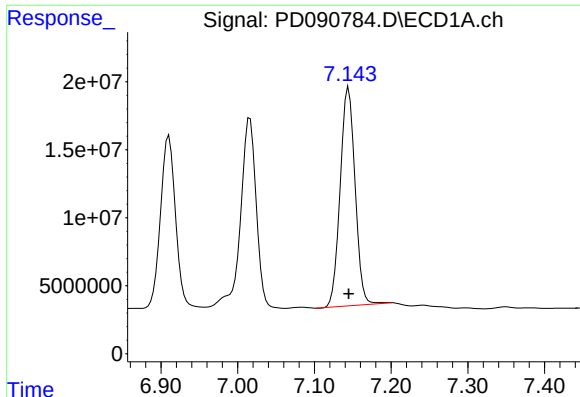
#18 Endrin aldehyde

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



#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 :

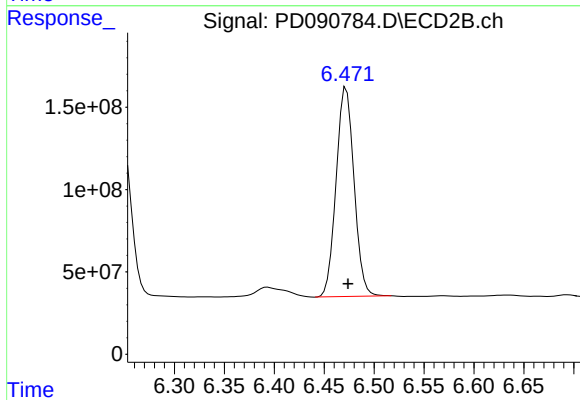
PR132-S07-000102-20251017MS

Manual Integrations

APPROVED

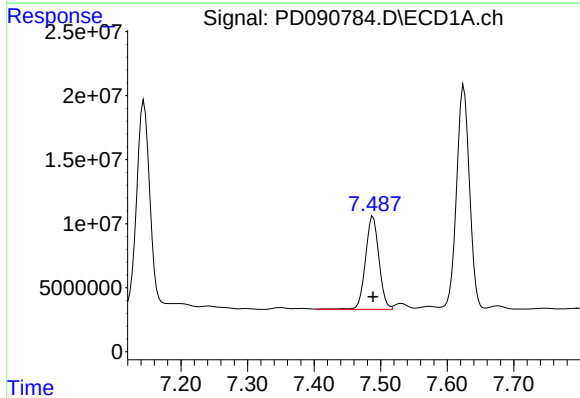
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



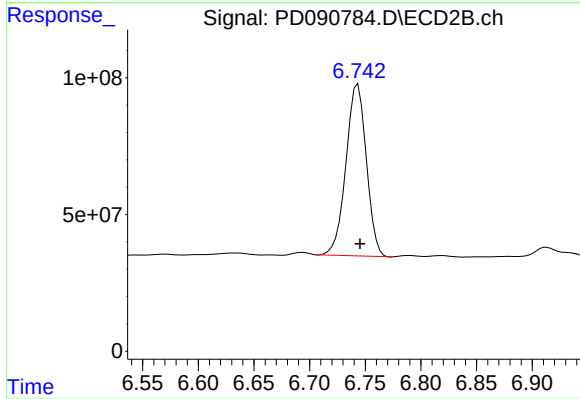
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1586131179
Conc: 44.25 ng/ml



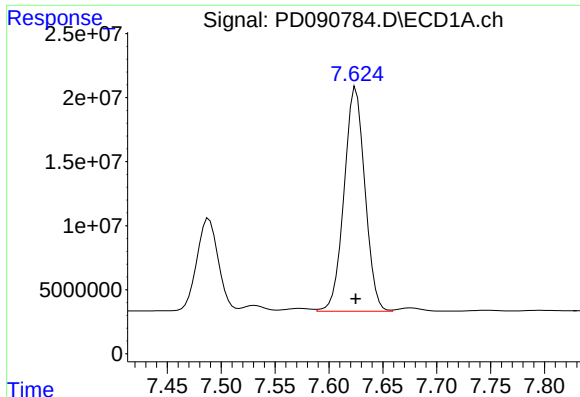
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 102237249
Conc: 48.10 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 801442261
Conc: 45.99 ng/ml



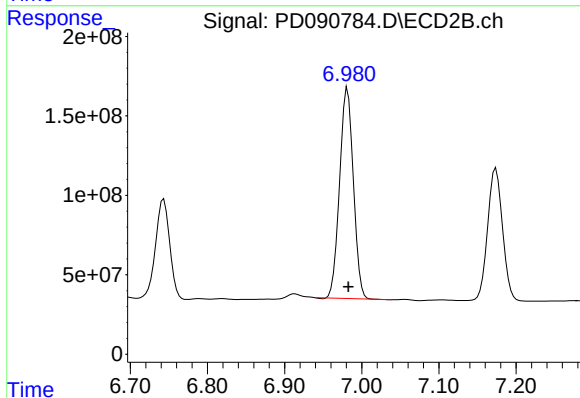
#21 Endrin ketone

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

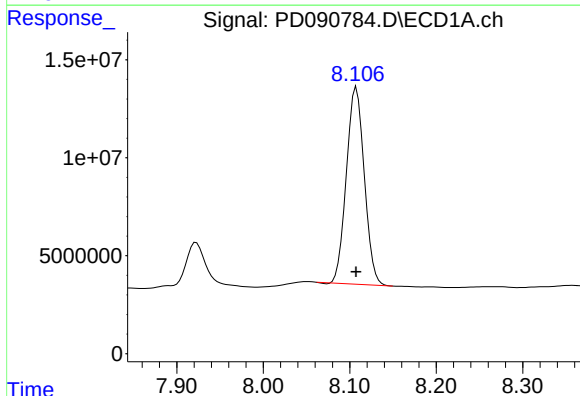
Manual Integrations
APPROVED

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



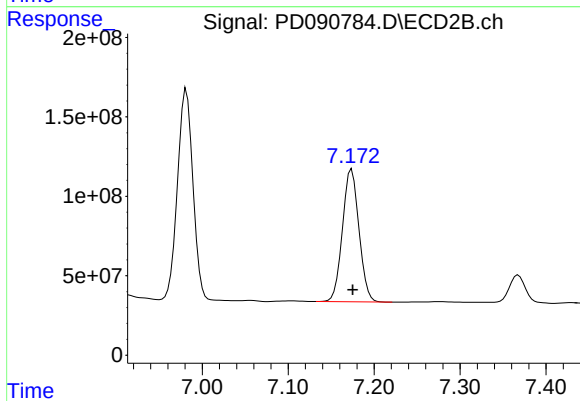
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 1636742486
Conc: 43.39 ng/ml



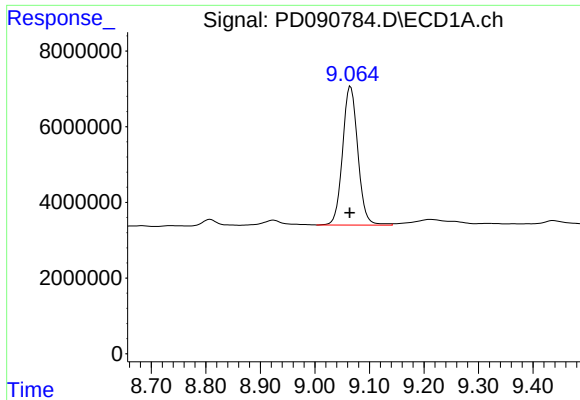
#22 Mirex

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



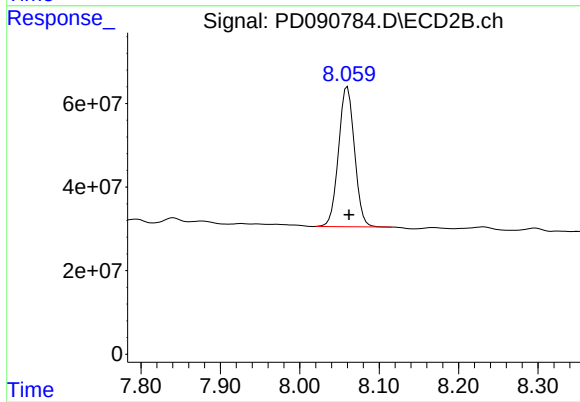
#28 Decachlorobiphenyl

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS		SDG No.:	Q3424
Lab Sample ID:	Q3419-02MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54.4
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	24.4		1	0.24	3.10	ug/kg	10/24/25 11:02	PB170213
319-85-7	beta-BHC	25.6		1	0.33	3.10	ug/kg	10/24/25 11:02	PB170213
319-86-8	delta-BHC	19.1		1	0.72	3.10	ug/kg	10/24/25 11:02	PB170213
58-89-9	gamma-BHC (Lindane)	20.0		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
76-44-8	Heptachlor	30.9		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
309-00-2	Aldrin	27.2		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
1024-57-3	Heptachlor epoxide	27.3		1	0.35	3.10	ug/kg	10/24/25 11:02	PB170213
959-98-8	Endosulfan I	26.9		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
60-57-1	Dieldrin	27.8		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-55-9	4,4-DDE	27.4		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-20-8	Endrin	26.6		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
33213-65-9	Endosulfan II	26.6		1	0.53	3.10	ug/kg	10/24/25 11:02	PB170213
72-54-8	4,4-DDD	27.8		1	0.28	3.10	ug/kg	10/24/25 11:02	PB170213
1031-07-8	Endosulfan Sulfate	17.5		1	0.24	3.10	ug/kg	10/24/25 11:02	PB170213
50-29-3	4,4-DDT	26.4		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-43-5	Methoxychlor	25.9		1	0.68	3.10	ug/kg	10/24/25 11:02	PB170213
53494-70-5	Endrin ketone	27.7		1	0.35	3.10	ug/kg	10/24/25 11:02	PB170213
7421-93-4	Endrin aldehyde	20.6		1	0.68	3.10	ug/kg	10/24/25 11:02	PB170213
5103-71-9	alpha-Chlordane	26.4		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
5103-74-2	gamma-Chlordane	27.4		1	0.28	3.10	ug/kg	10/24/25 11:02	PB170213
8001-35-2	Toxaphene	60.5	U	1	9.90	60.5	ug/kg	10/24/25 11:02	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.6			20 - 144	63%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.6			19 - 148	63%	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\PD102425\
 Data File : PD090811.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:02
 Operator : AR\AJ
 Sample : Q3419-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:49 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...	3.550	2.873	38633860	374.1E6	12.406m	12.562
28) SA Decachlor...	9.073	8.062	57537588	380.4E6	12.300	12.559
Target Compounds						
2) A alpha-BHC	4.001	3.385	286.2E6	1871.1E6	39.870	36.620
3) MA gamma-BHC...	4.332	3.722	222.6E6	1492.4E6	32.744	31.586
4) MA Heptachlor	4.930	4.074	282.4E6	1901.7E6	50.514	42.637
5) MB Aldrin	5.271	4.359	291.5E6	1915.6E6	44.527	41.356
6) B beta-BHC	4.520	4.018	109.1E6	830.1E6	41.634	41.861
7) B delta-BHC	4.768	4.254	211.2E6	1486.4E6	31.241	31.150
8) B Heptachlo...	5.691	4.863	258.7E6	1769.6E6	44.688m	41.503
9) A Endosulfan I	6.076	5.238	243.9E6	1555.6E6	44.049	39.491
10) B gamma-Chl...	5.948	5.116	266.2E6	1955.8E6	44.877	43.511
11) B alpha-Chl...	6.028	5.181	266.7E6	1823.0E6	43.149	42.261
12) B 4,4'-DDE	6.198	5.366	238.5E6	1861.9E6	44.771	42.473
13) MA Dieldrin	6.349	5.503	265.4E6	1900.0E6	45.514	43.003
14) MA Endrin	6.576	5.780	215.4E6	1592.8E6	43.480	39.333
15) B Endosulfa...	6.789	6.070	217.7E6	1621.6E6	43.536	43.179m
16) A 4,4'-DDD	6.707	5.920	184.2E6	1475.5E6	45.427m	40.494
17) MA 4,4'-DDT	7.023	6.174	177.8E6	1463.0E6	43.246	41.713
18) B Endrin al...	6.917	6.250	123.6E6	883.9E6	33.750	31.918
19) B Endosulfa...	7.152	6.473	132.6E6	1003.9E6	28.596	28.006
20) A Methoxychlor	7.496	6.744	90082927	727.8E6	42.380	41.759
21) B Endrin ke...	7.633	6.982	220.5E6	1701.0E6	45.385	45.099
22) Mirex	8.114	7.175	141.4E6	1130.5E6	44.162	44.004

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090811.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:02
Operator : AR\AJ
Sample : Q3419-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

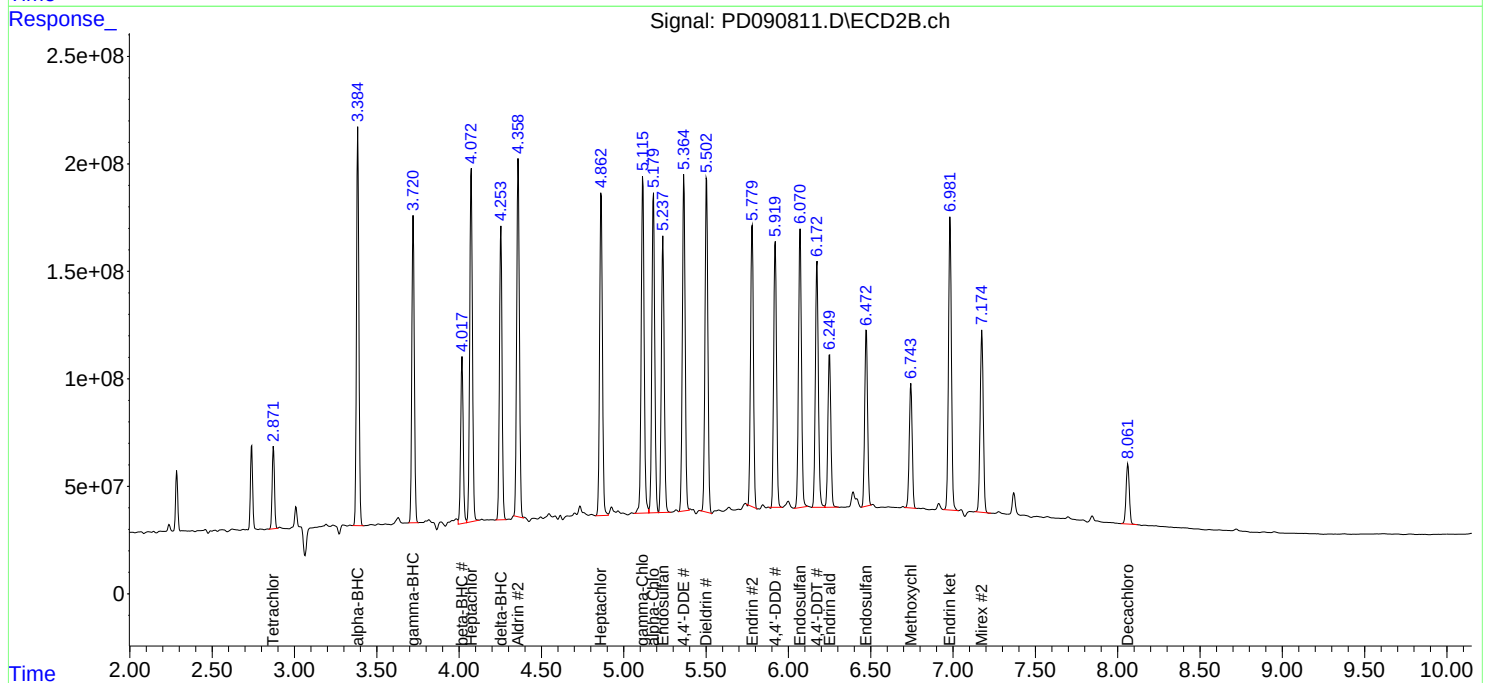
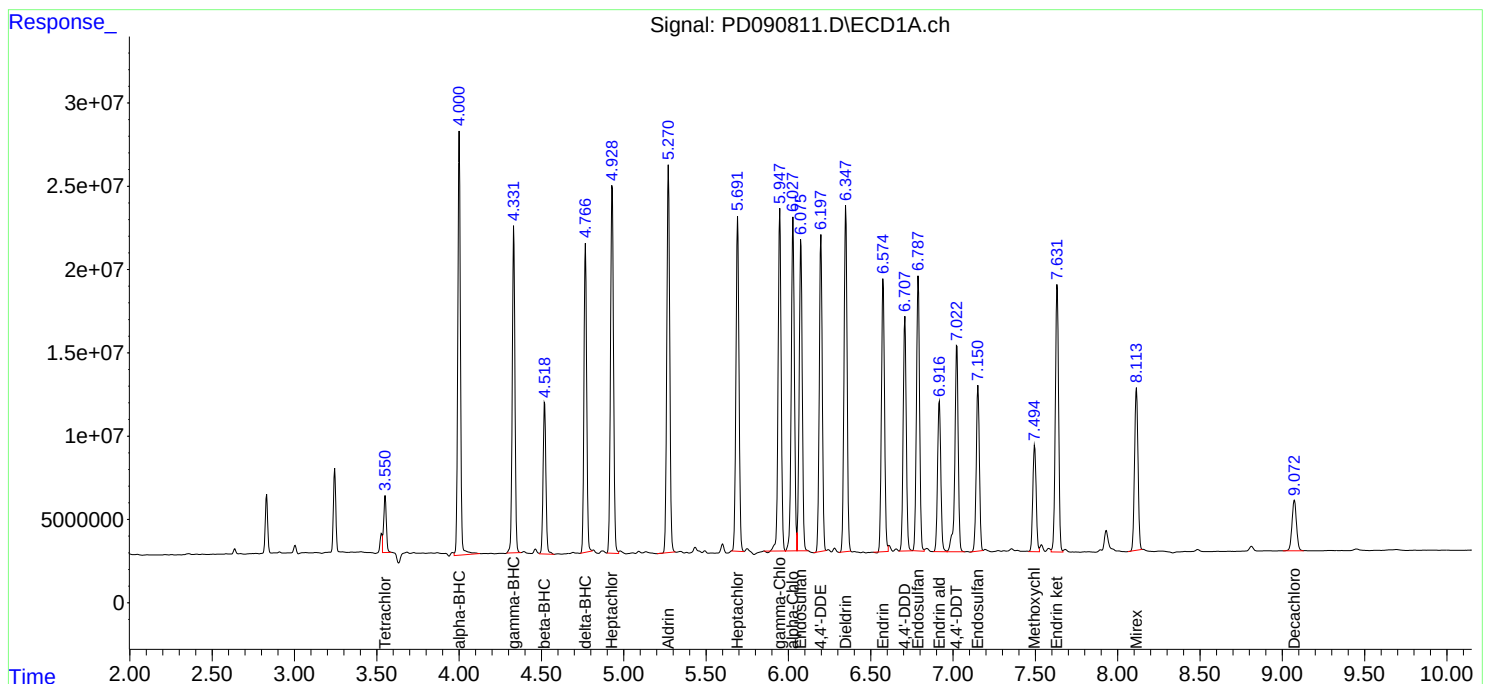
Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

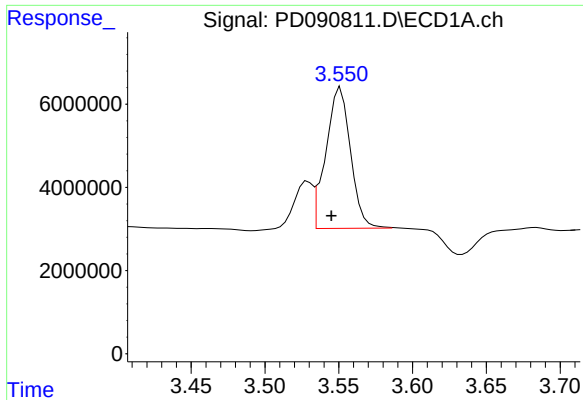
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:49 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





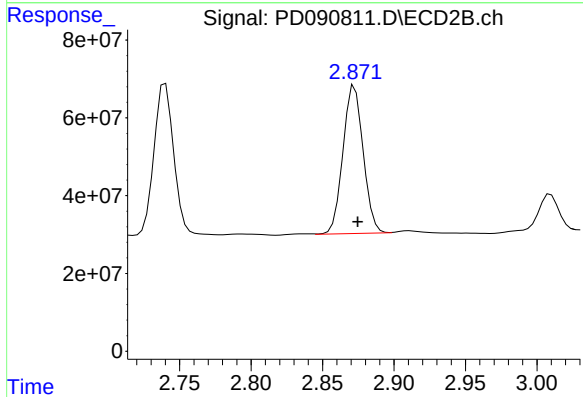
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.005 min
Response: 38633860
Conc: 12.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

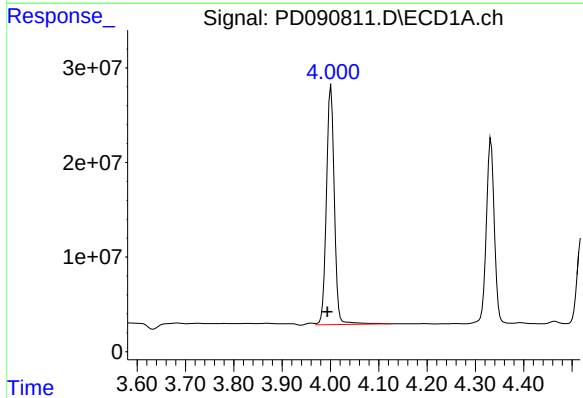
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



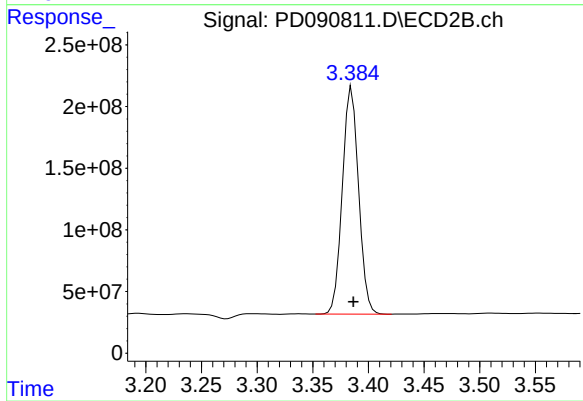
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 374066149
Conc: 12.56 ng/ml



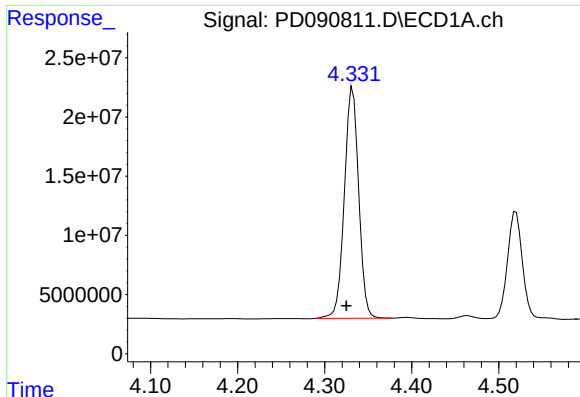
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.007 min
Response: 286154038
Conc: 39.87 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 1871116409
Conc: 36.62 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.007 min
Response: 222620219
Conc: 32.74 ng/ml

Instrument :

ECD_D

ClientSampleId :

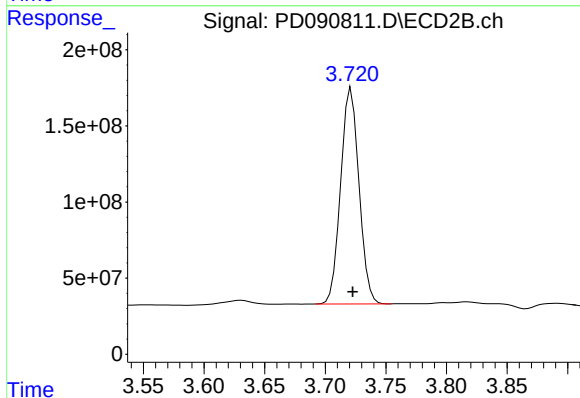
PR-132-S16-015094-20251021MS

Manual Integrations

APPROVED

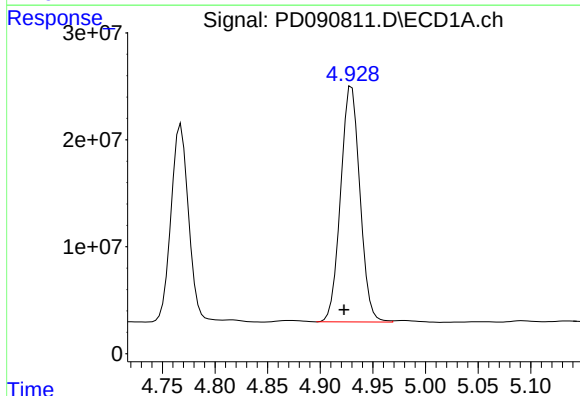
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



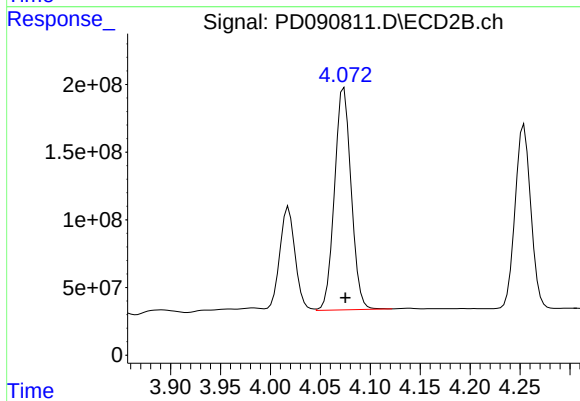
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 1492379007
Conc: 31.59 ng/ml



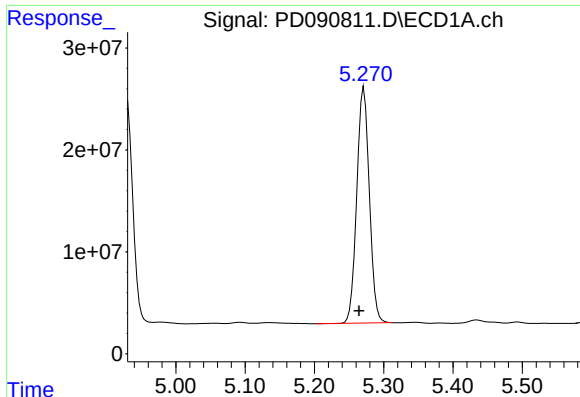
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.007 min
Response: 282352497
Conc: 50.51 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 1901721316
Conc: 42.64 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.007 min
Response: 291529508
Conc: 44.53 ng/ml

Instrument :

ECD_D

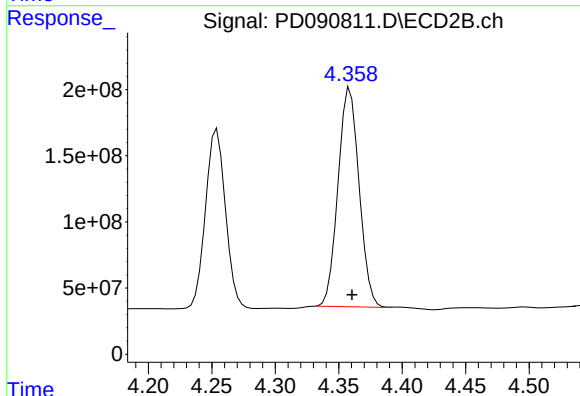
ClientSampleId :

PR-132-S16-015094-20251021MS

Manual Integrations

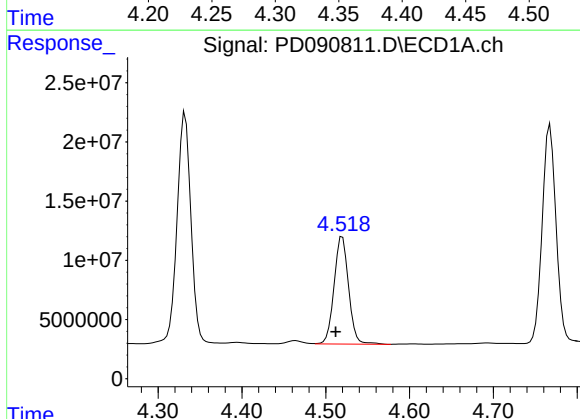
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



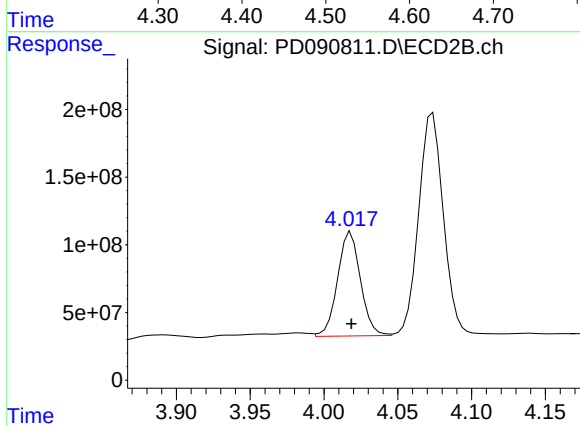
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 1915578424
Conc: 41.36 ng/ml



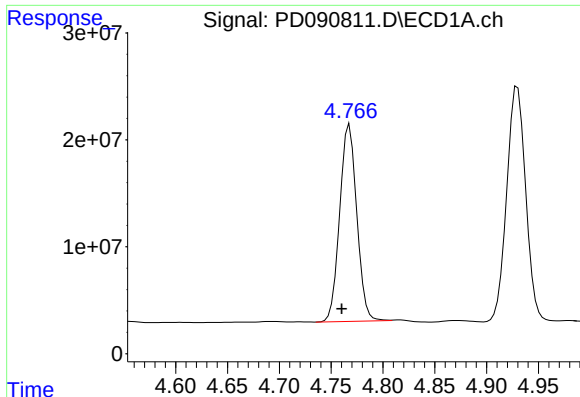
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.008 min
Response: 109064741
Conc: 41.63 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 830085163
Conc: 41.86 ng/ml



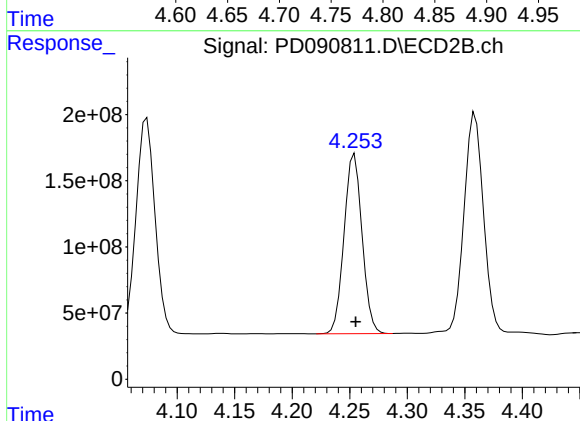
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.008 min
Response: 211244308
Conc: 31.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

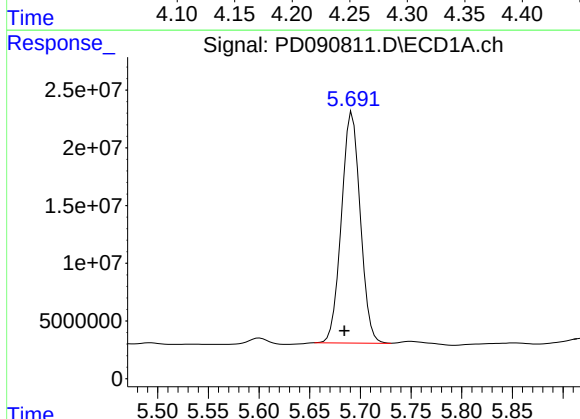
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



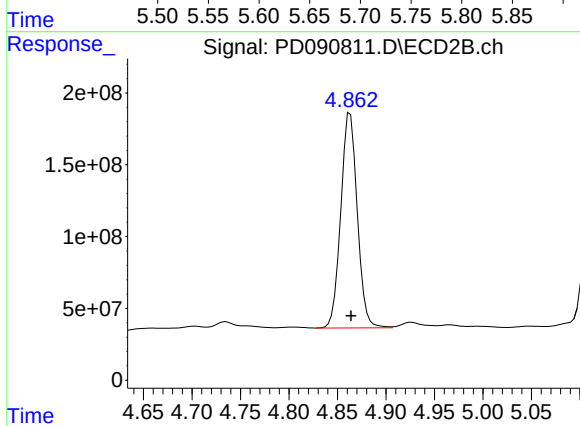
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 1486352983
Conc: 31.15 ng/ml



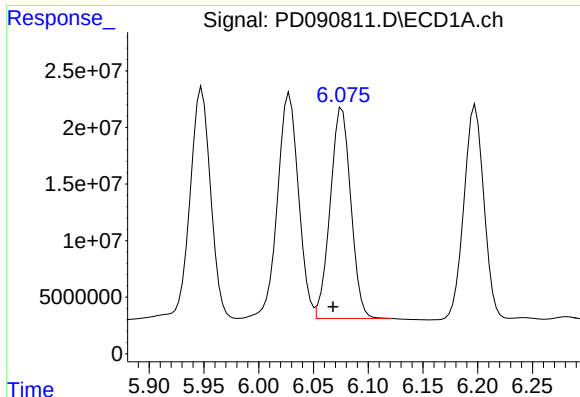
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.006 min
Response: 258700523
Conc: 44.69 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 1769636692
Conc: 41.50 ng/ml



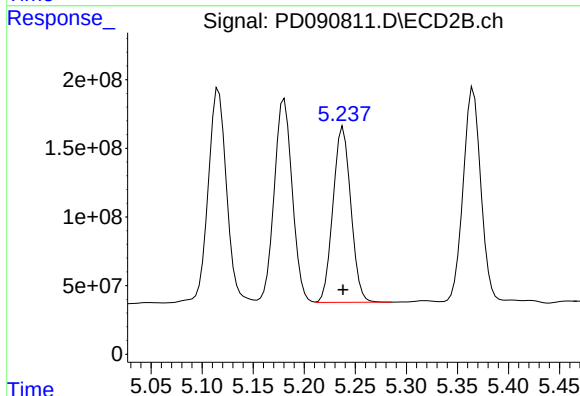
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.008 min
Response: 243883830
Conc: 44.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

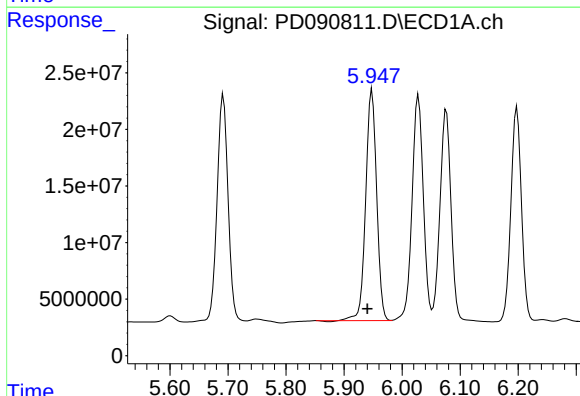
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



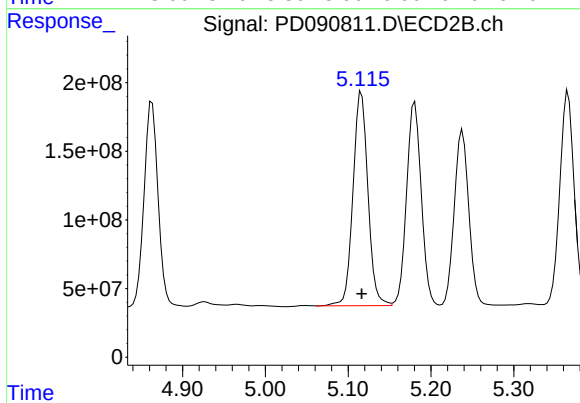
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1555560318
Conc: 39.49 ng/ml



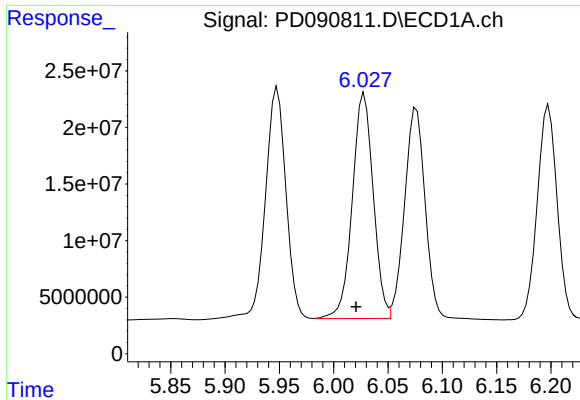
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.008 min
Response: 266172909
Conc: 44.88 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1955761320
Conc: 43.51 ng/ml



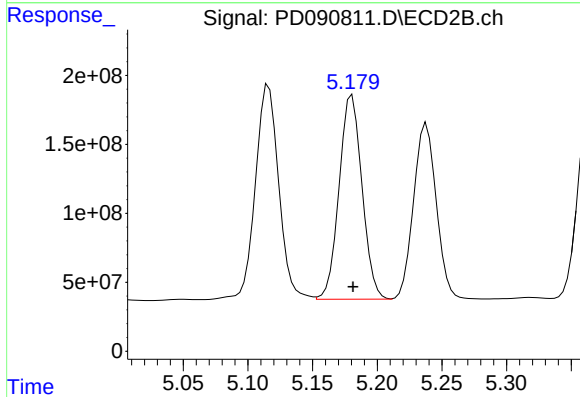
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.008 min
Response: 266669681
Conc: 43.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

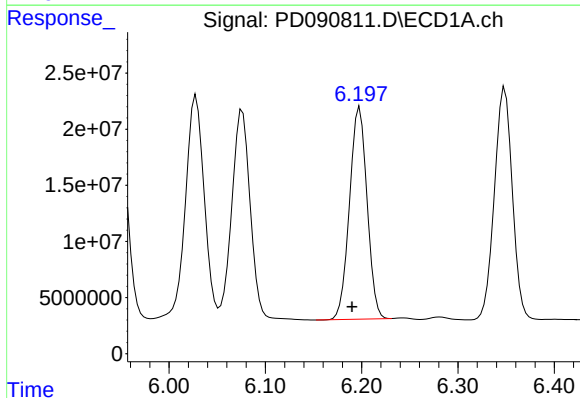
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



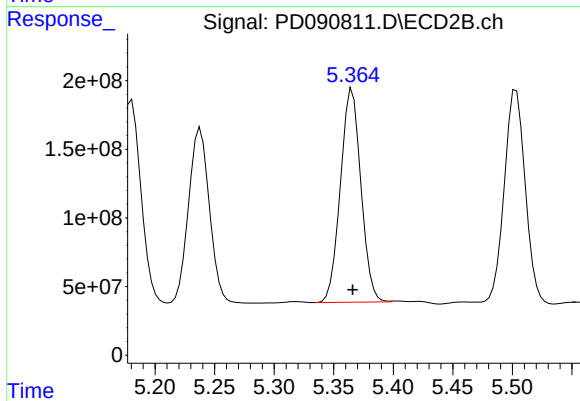
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1823024047
Conc: 42.26 ng/ml



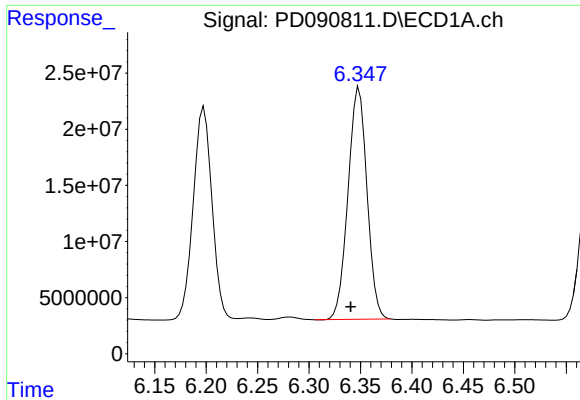
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.008 min
Response: 238476523
Conc: 44.77 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 1861944109
Conc: 42.47 ng/ml



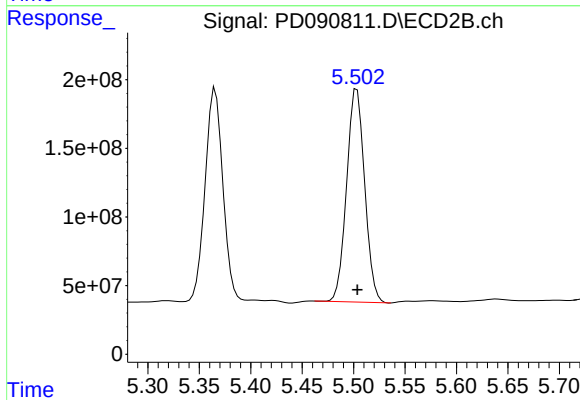
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.008 min
Response: 265405299
Conc: 45.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

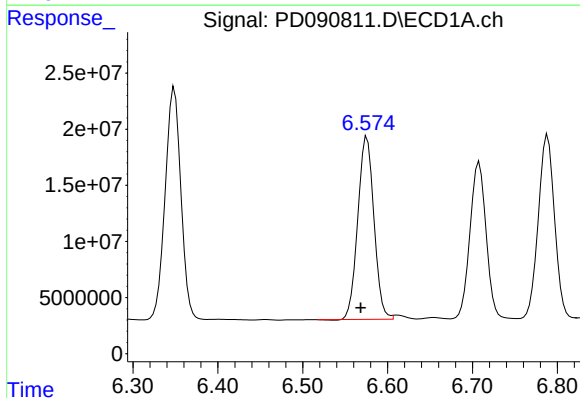
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



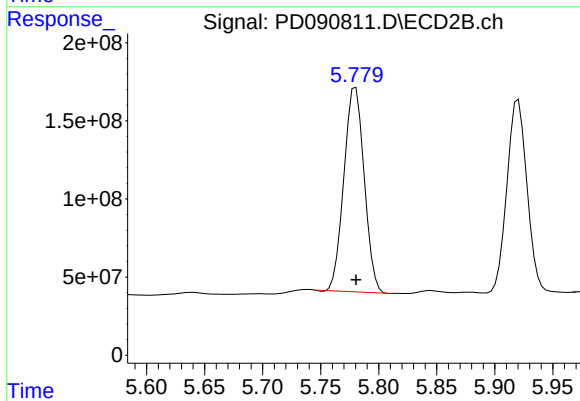
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1900043362
Conc: 43.00 ng/ml



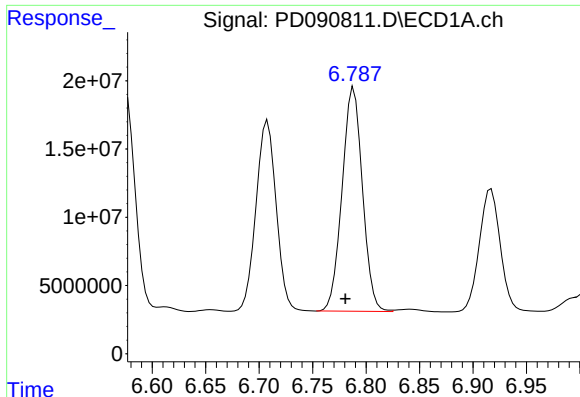
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.008 min
Response: 215385940
Conc: 43.48 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1592761760
Conc: 39.33 ng/ml



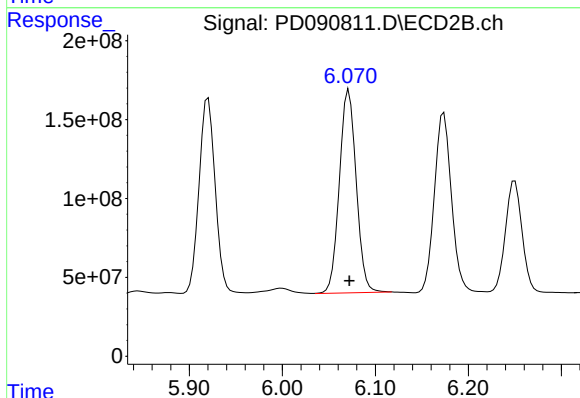
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.008 min
Response: 217677356
Conc: 43.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

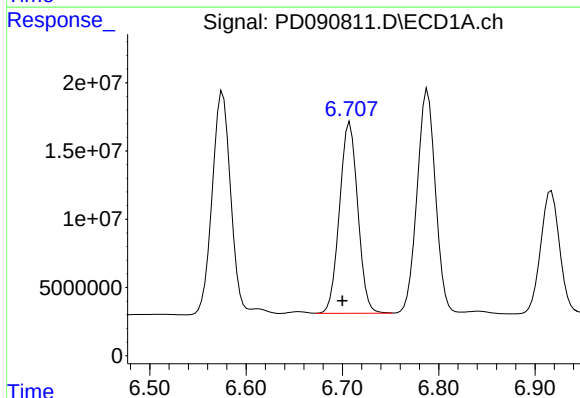
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



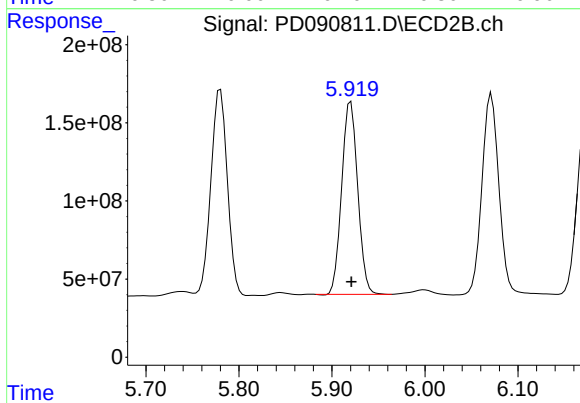
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1621610503
Conc: 43.18 ng/ml m



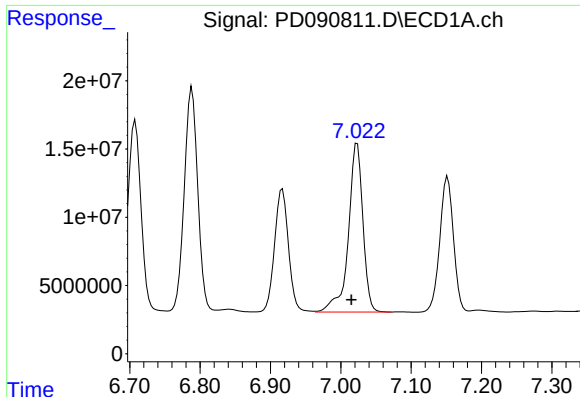
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.006 min
Response: 184172456
Conc: 45.43 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1475534935
Conc: 40.49 ng/ml



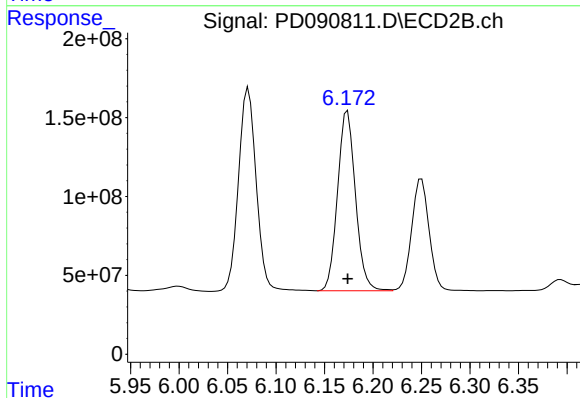
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.008 min
Response: 177763159
Conc: 43.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

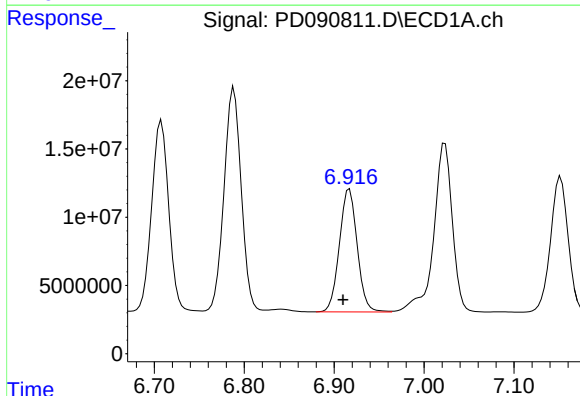
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



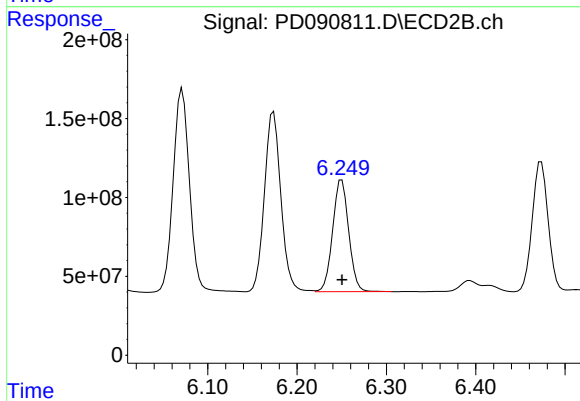
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1462998466
Conc: 41.71 ng/ml



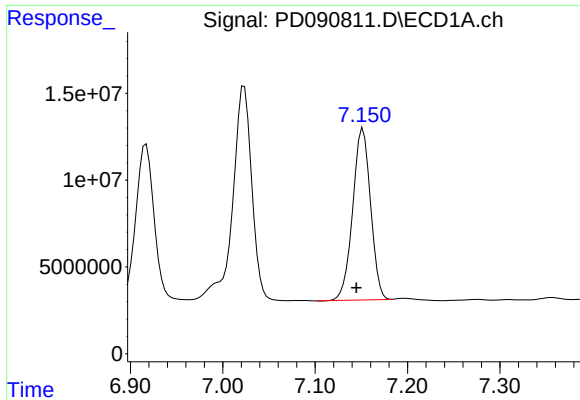
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.007 min
Response: 123616529
Conc: 33.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 883895418
Conc: 31.92 ng/ml



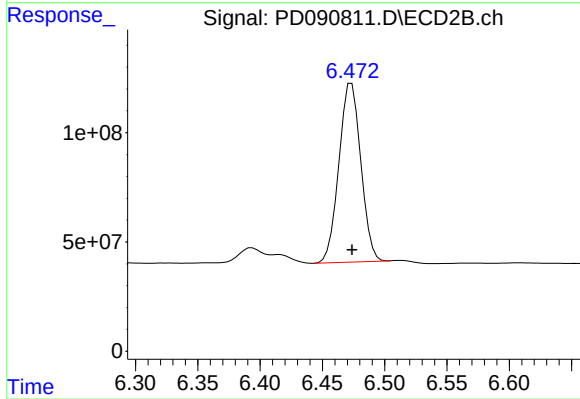
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.007 min
Response: 132631901
Conc: 28.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

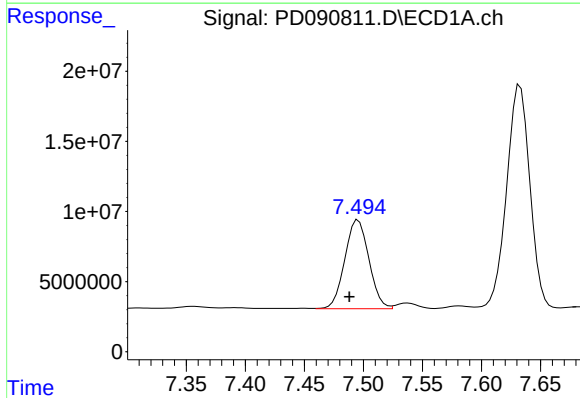
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



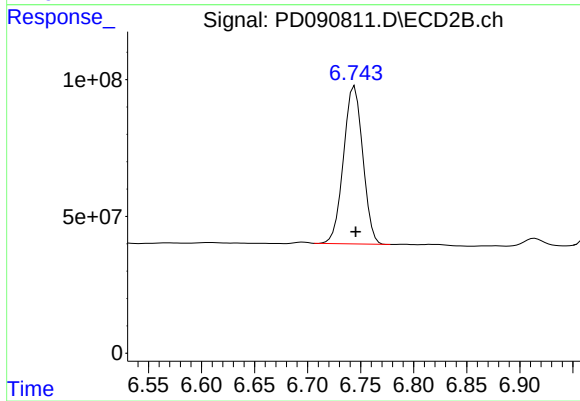
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1003869968
Conc: 28.01 ng/ml



#20 Methoxychlor

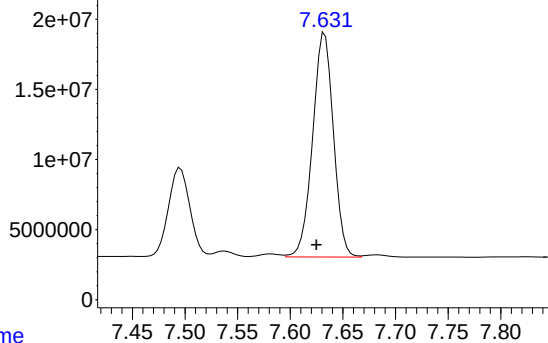
R.T.: 7.496 min
Delta R.T.: 0.007 min
Response: 90082927
Conc: 42.38 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 727767702
Conc: 41.76 ng/ml

Response_ Signal: PD090811.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.008 min
Response: 220519200
Conc: 45.39 ng/ml

Instrument :

ECD_D

ClientSampleId :

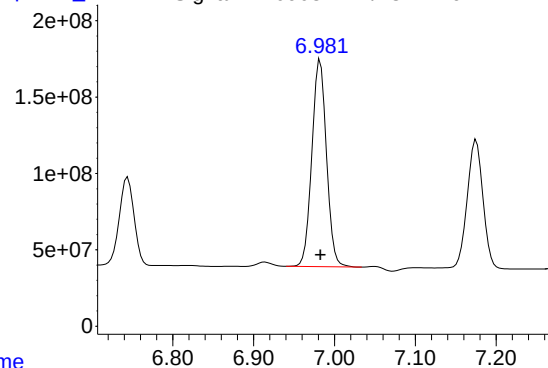
PR-132-S16-015094-20251021MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

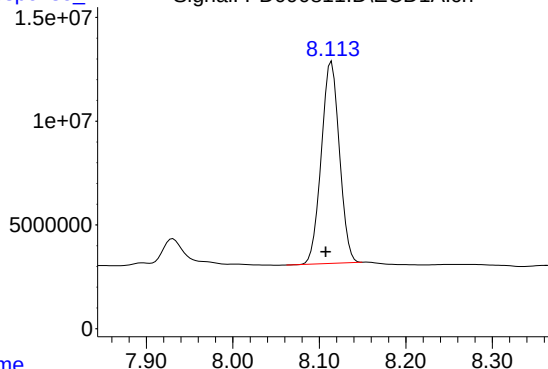
Time Response_ Signal: PD090811.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1701038323
Conc: 45.10 ng/ml

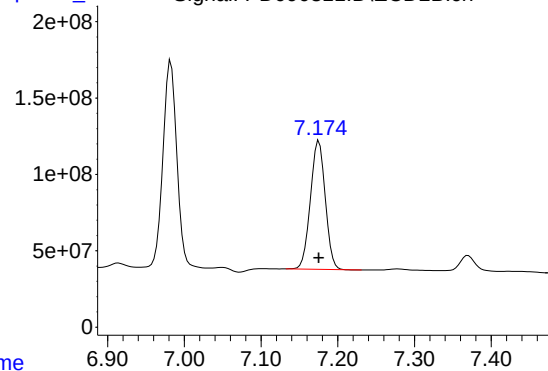
Time Response_ Signal: PD090811.D\ECD1A.ch



#22 Mirex

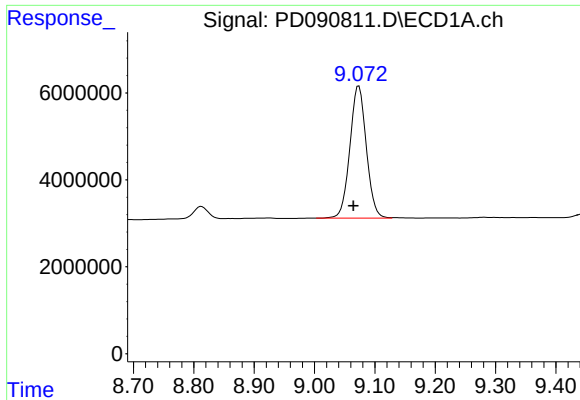
R.T.: 8.114 min
Delta R.T.: 0.007 min
Response: 141356407
Conc: 44.16 ng/ml

Time Response_ Signal: PD090811.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1130508191
Conc: 44.00 ng/ml



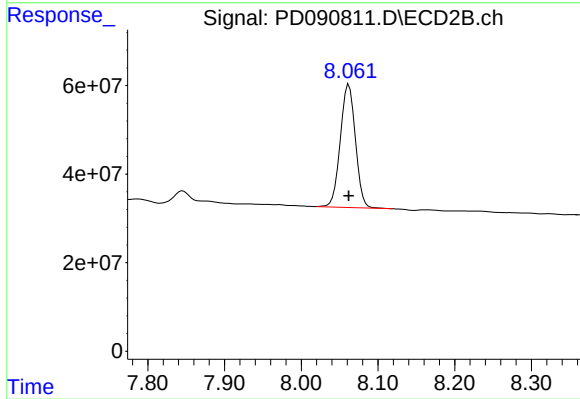
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.009 min
Response: 57537588
Conc: 12.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 380421456
Conc: 12.56 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.:	Q3424
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

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

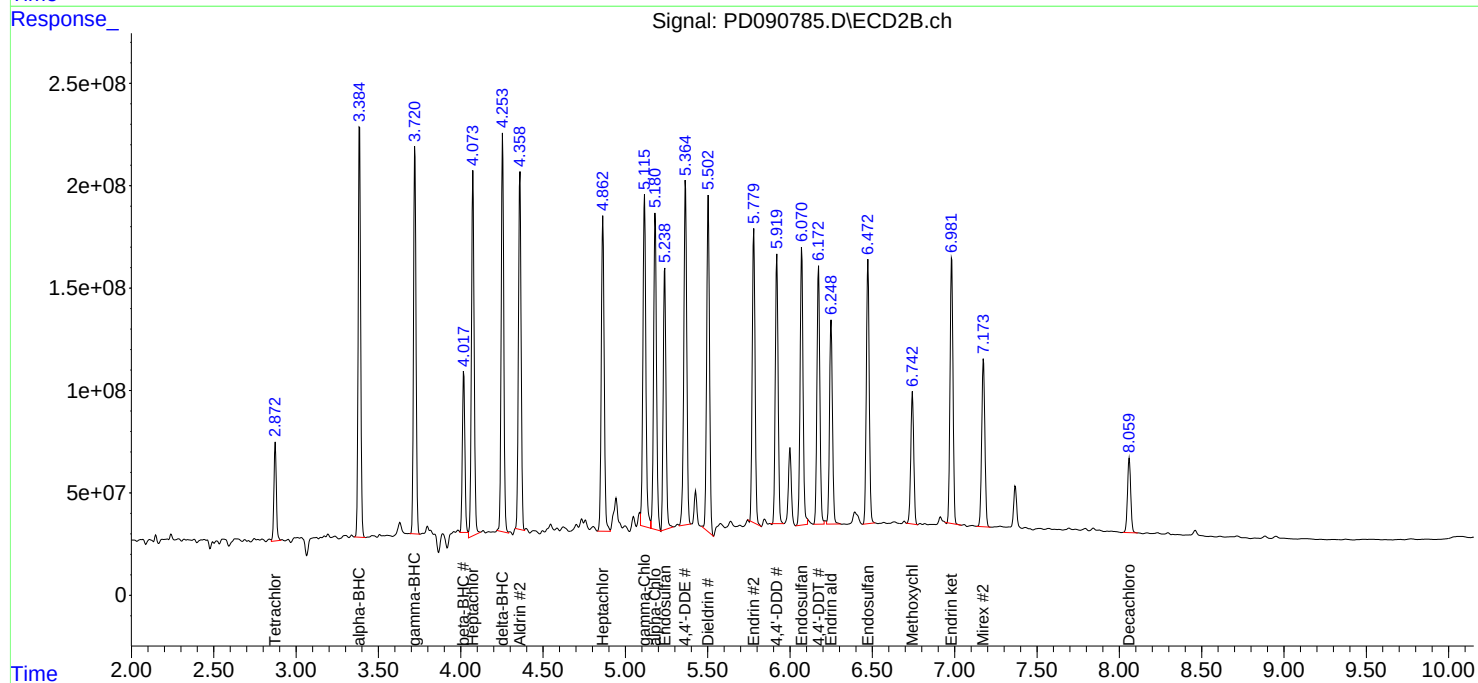
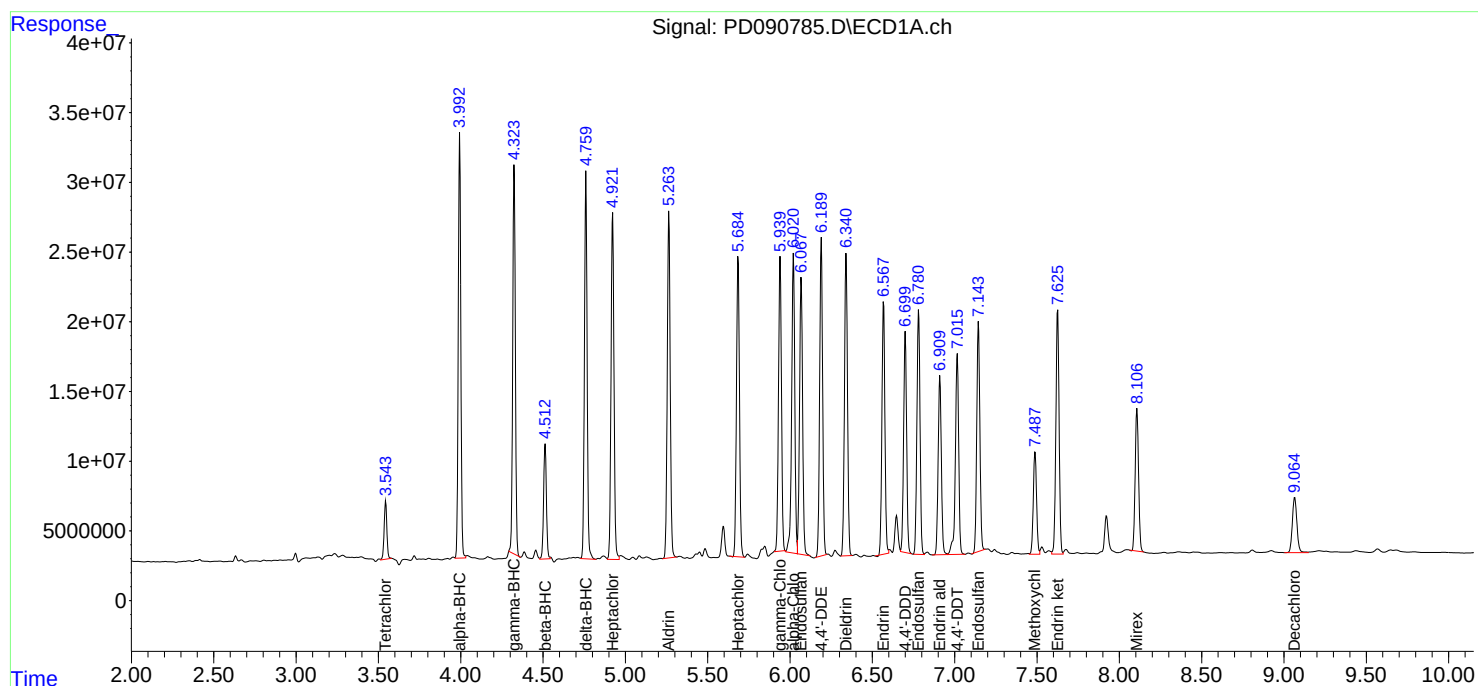
APPROVED

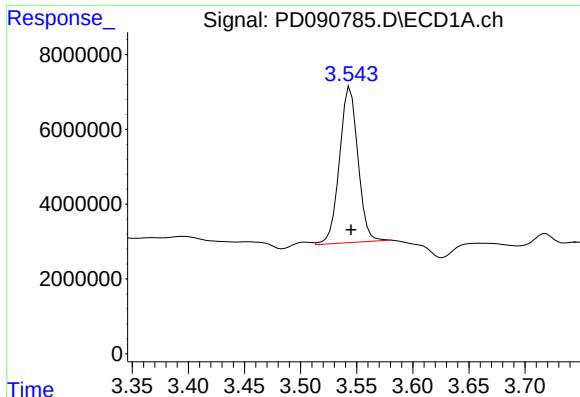
Reviewed By :Abdul Mirza 10/24/2025

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

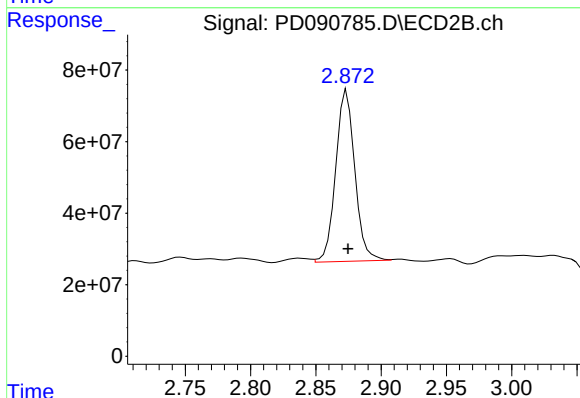
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

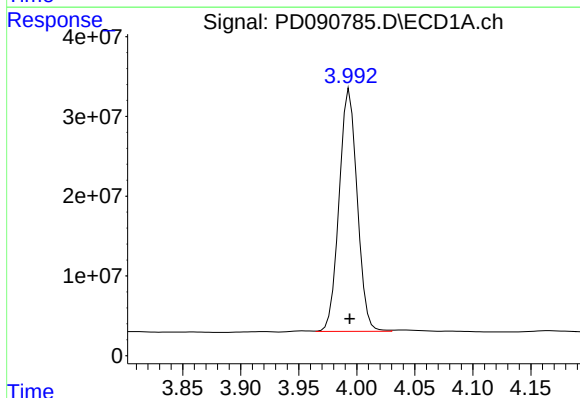
APPROVED

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



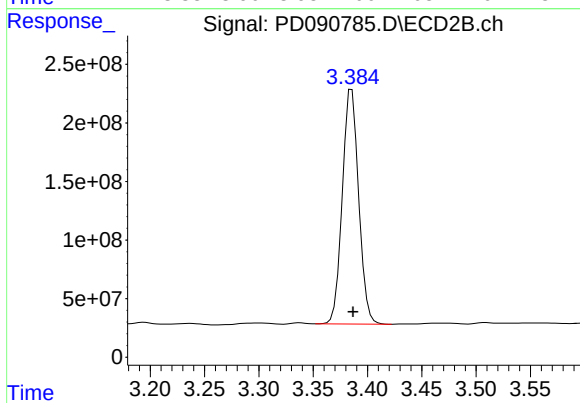
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 487456476
Conc: 16.37 ng/ml



#2 alpha-BHC

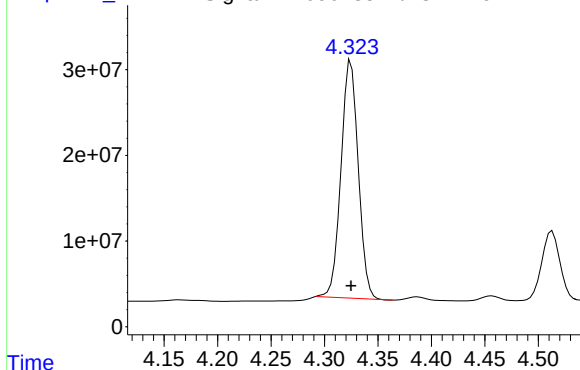
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 329948212
Conc: 45.97 ng/ml



#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

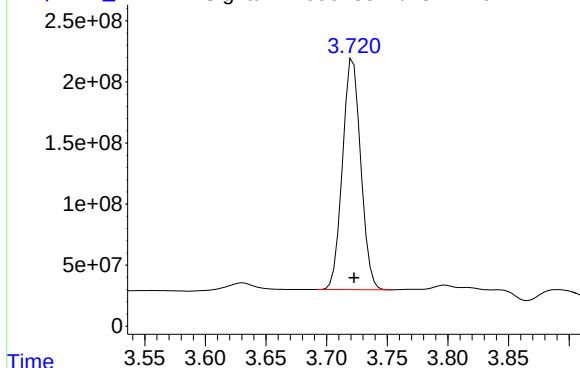
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

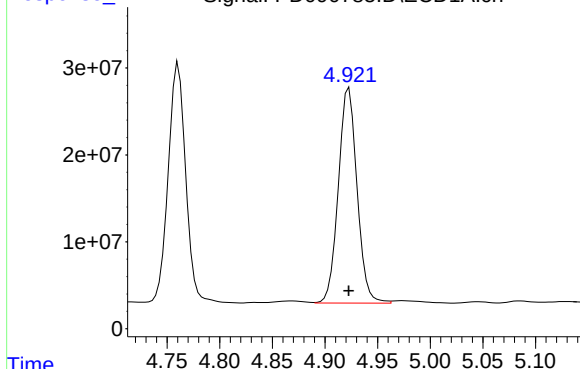
Response_ Signal: PD090785.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1980603536
Conc: 41.92 ng/ml

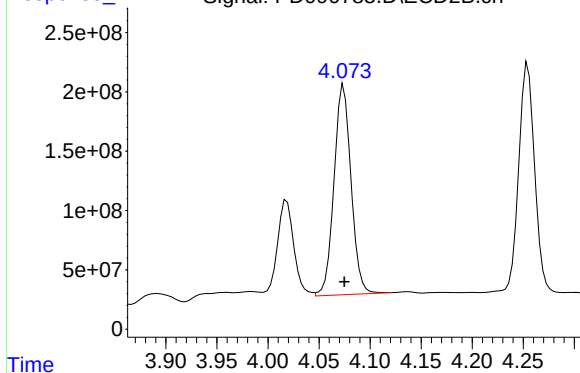
Response_ Signal: PD090785.D\ECD1A.ch



#4 Heptachlor

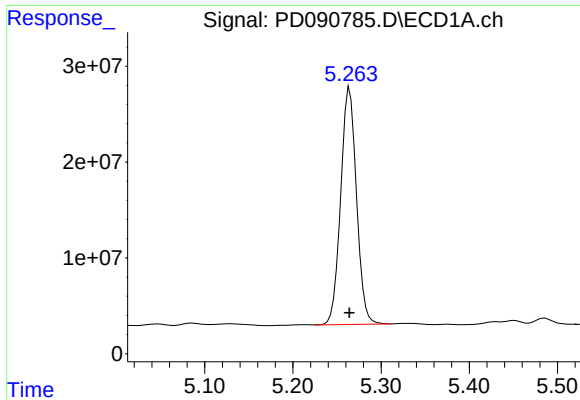
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 307192939
Conc: 54.96 ng/ml

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



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 307641464
Conc: 46.99 ng/ml

Instrument :

ECD_D

ClientSampleId :

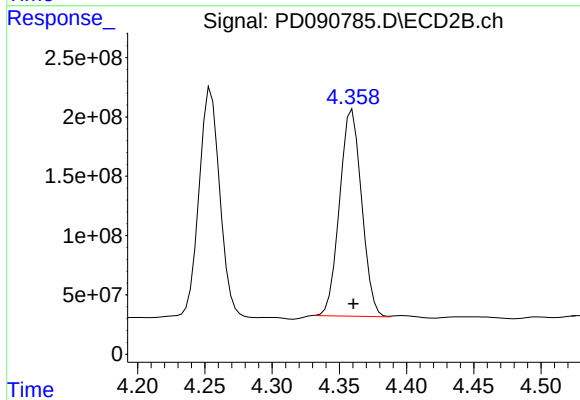
PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

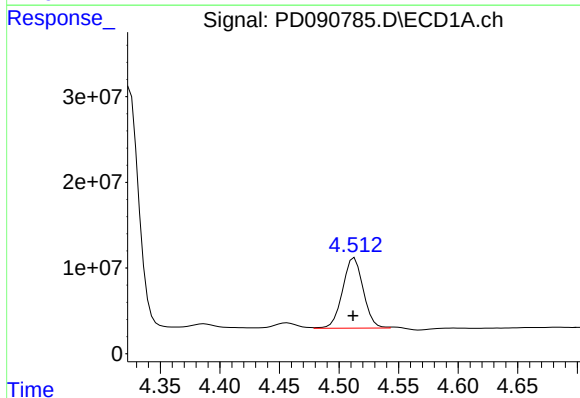
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



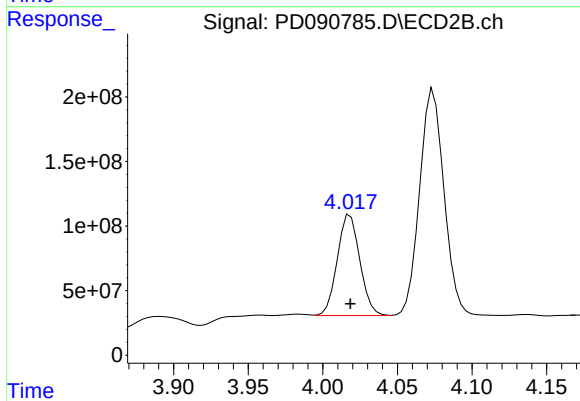
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1980194934
Conc: 42.75 ng/ml



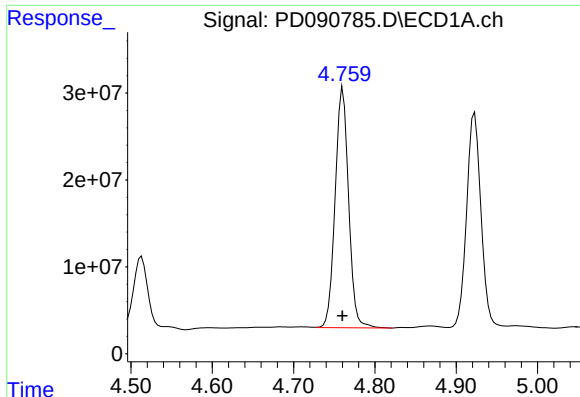
#6 beta-BHC

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



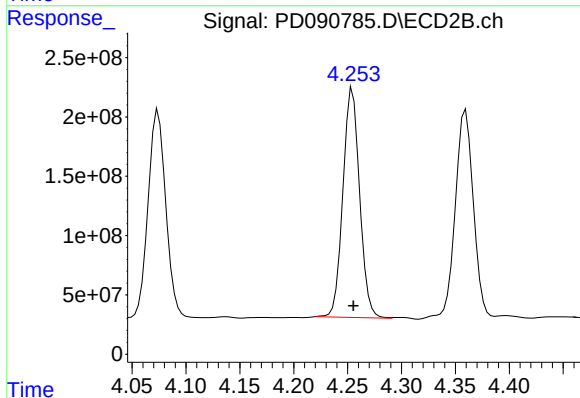
#7 delta-BHC

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

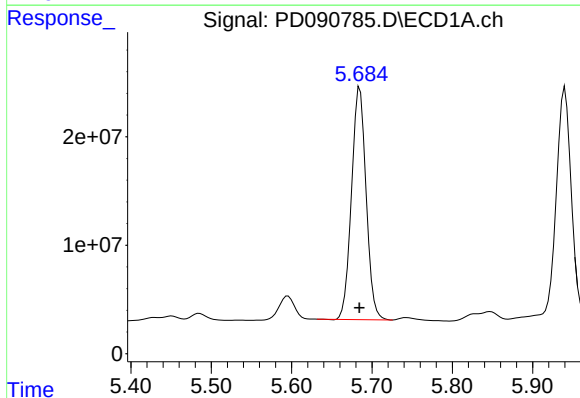
Manual Integrations
APPROVED

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



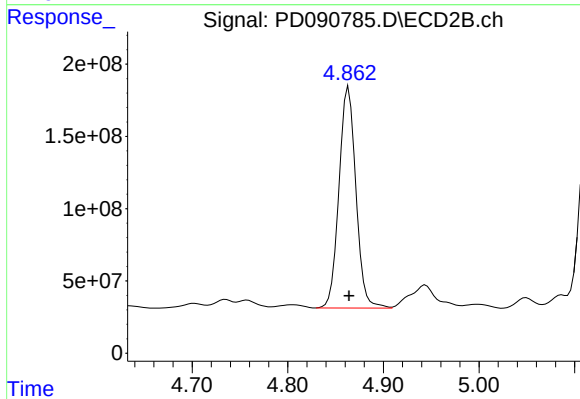
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2086377210
Conc: 43.72 ng/ml



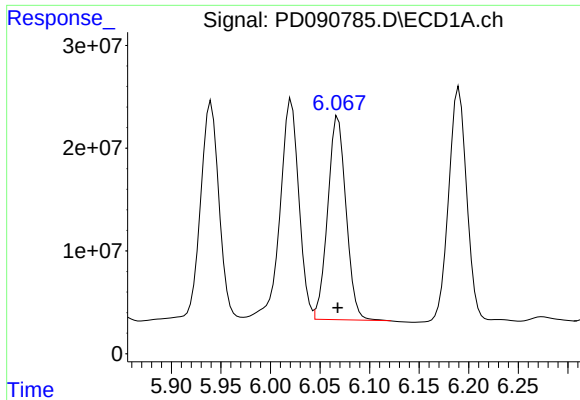
#8 Heptachlor epoxide

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



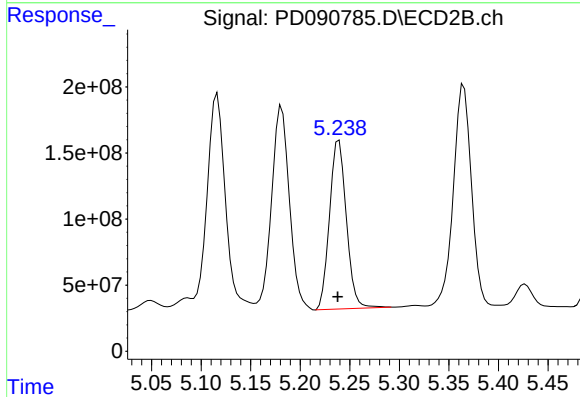
#9 Endosulfan I

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

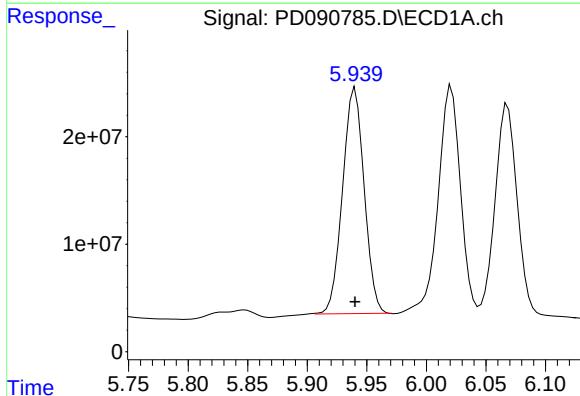
Manual Integrations
 APPROVED

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



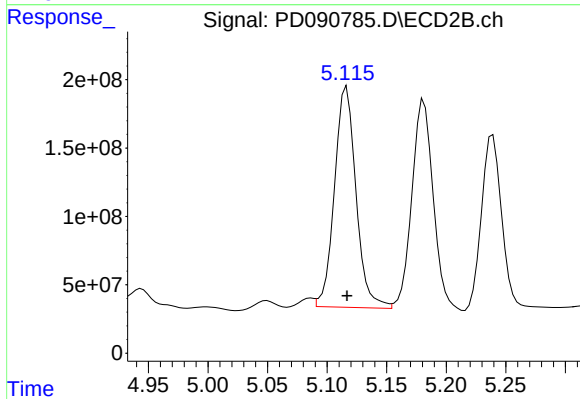
#9 Endosulfan I

R.T.: 5.239 min
 Delta R.T.: 0.001 min
 Response: 1502543908
 Conc: 38.14 ng/ml



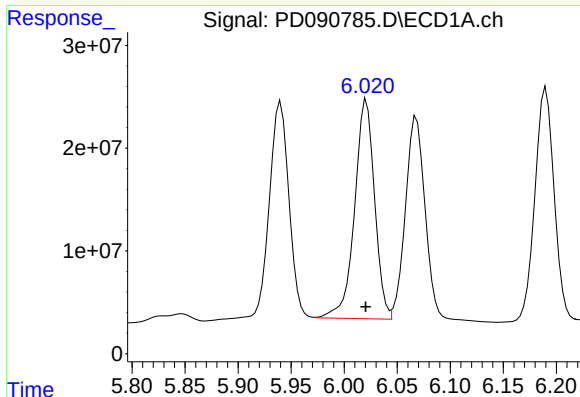
#10 gamma-Chlordane

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

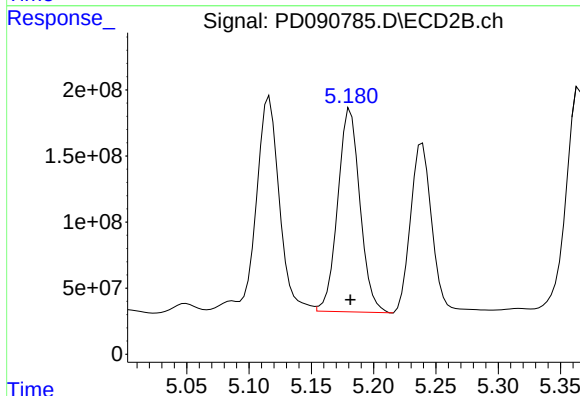
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

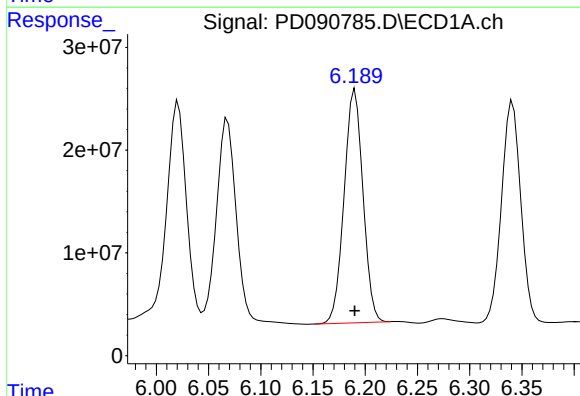
APPROVED

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



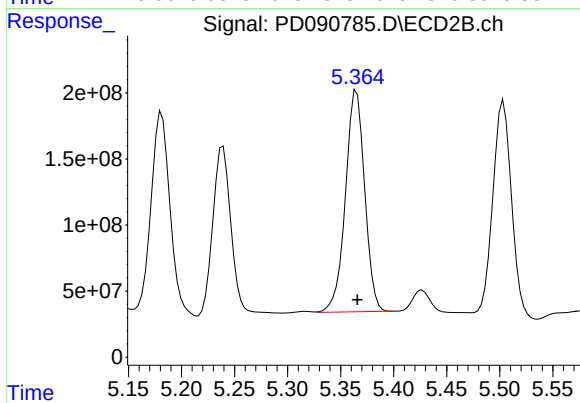
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1913866255
Conc: 44.37 ng/ml



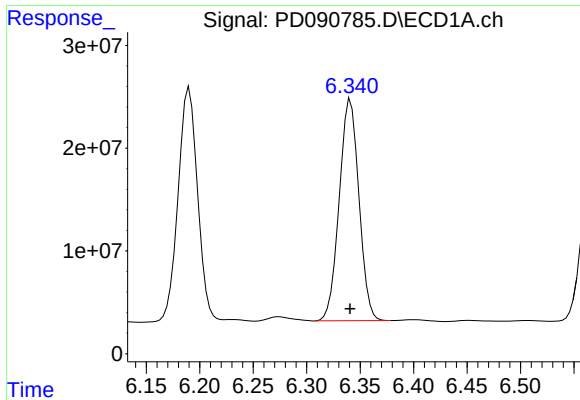
#12 4,4'-DDE

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 :

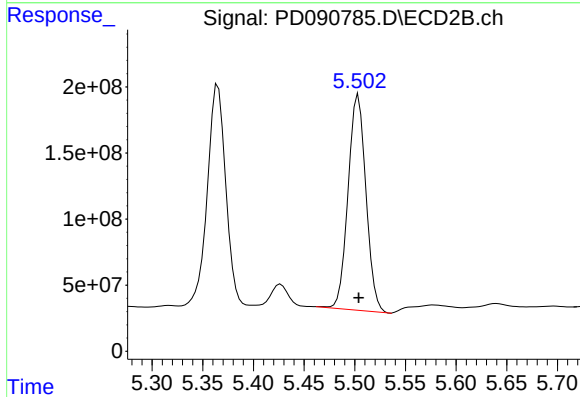
PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

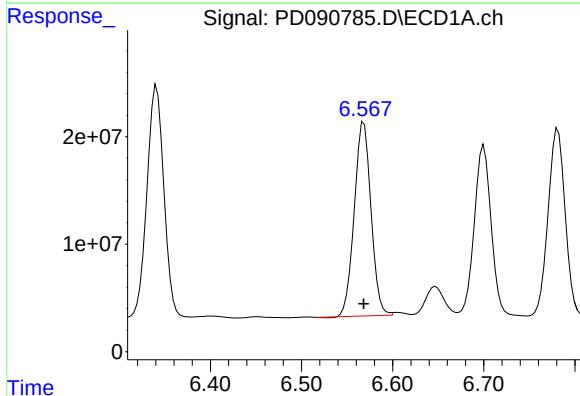
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



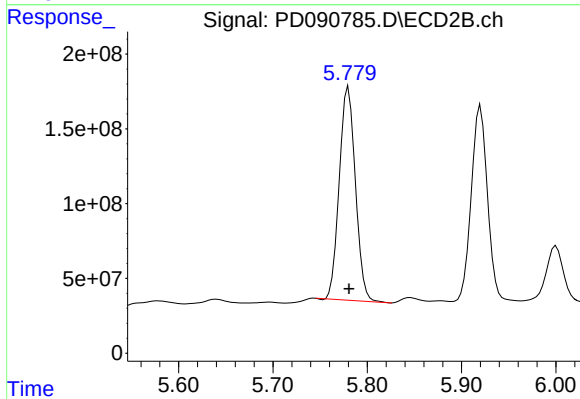
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1999882963
Conc: 45.26 ng/ml



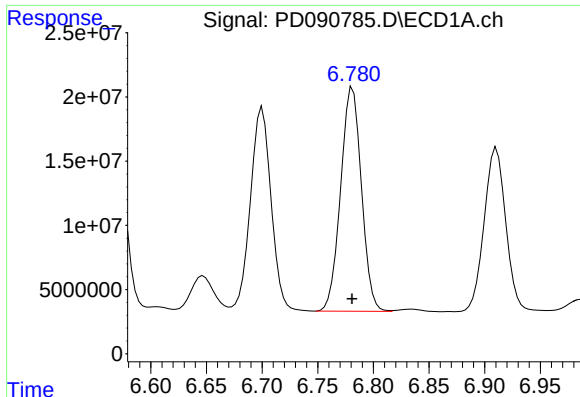
#14 Endrin

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

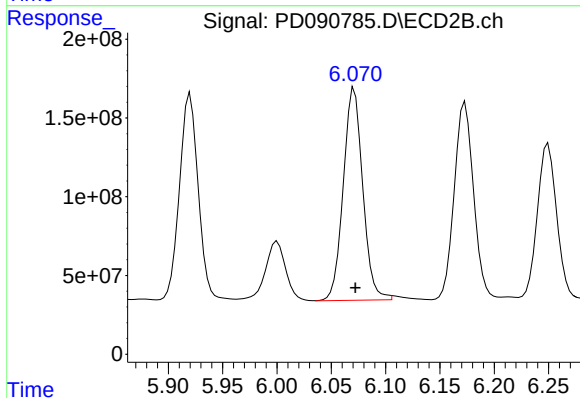
ClientSampleId :

PR132-S07-000102-20251017MSD

Manual Integrations

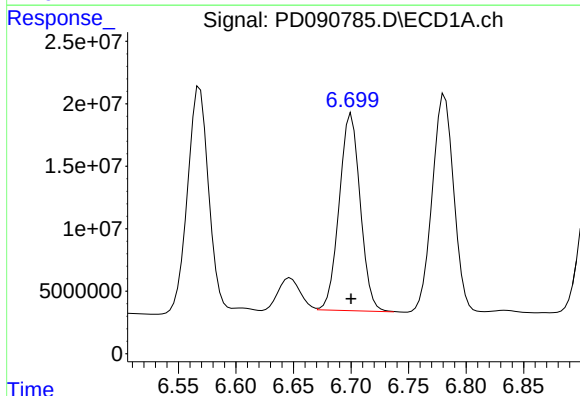
APPROVED

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



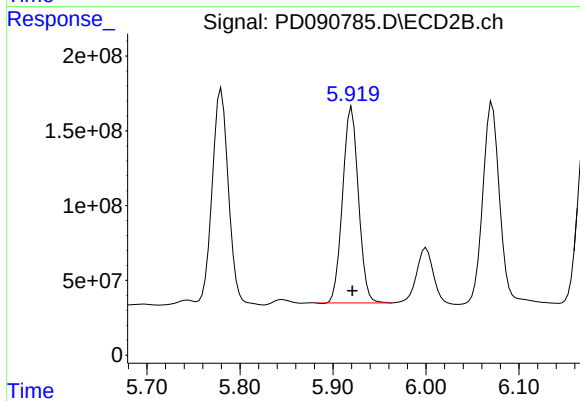
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1680384616
Conc: 44.74 ng/ml m



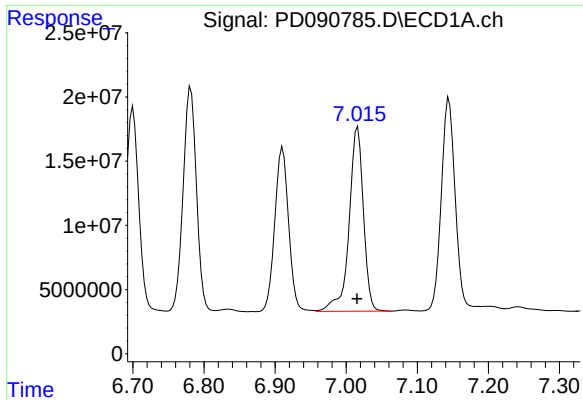
#16 4,4'-DDD

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



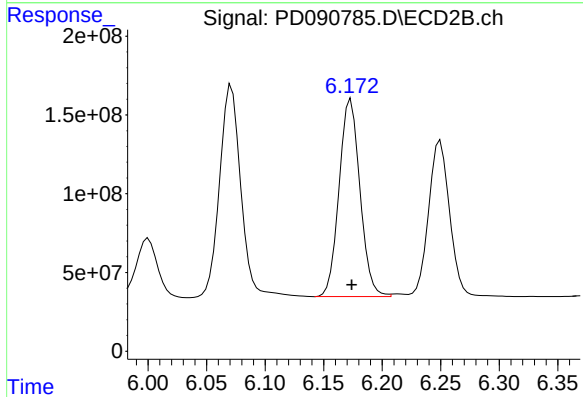
#17 4,4'-DDT

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

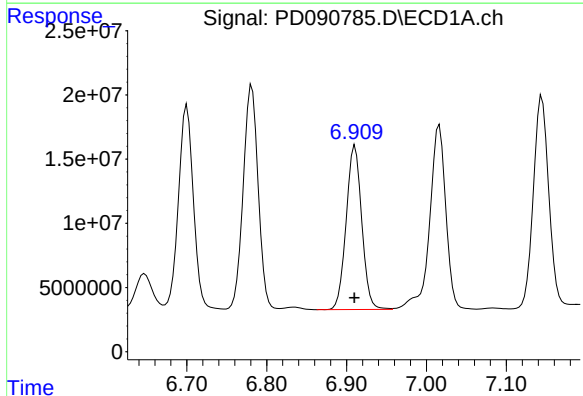
Manual Integrations
APPROVED

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



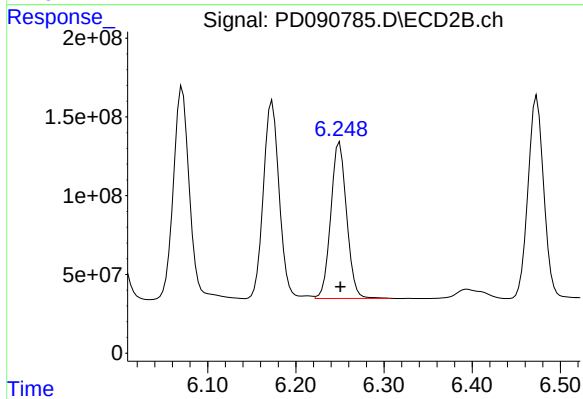
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1556816565
Conc: 44.39 ng/ml



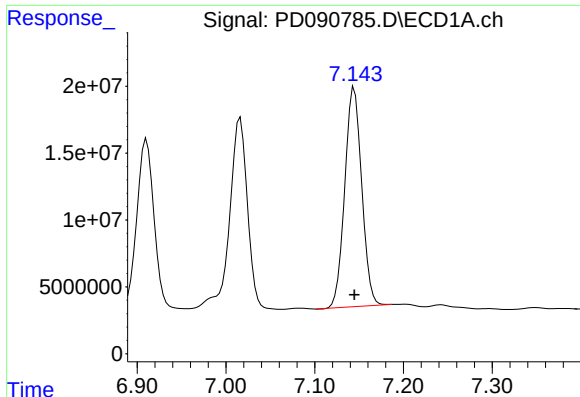
#18 Endrin aldehyde

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



#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 :

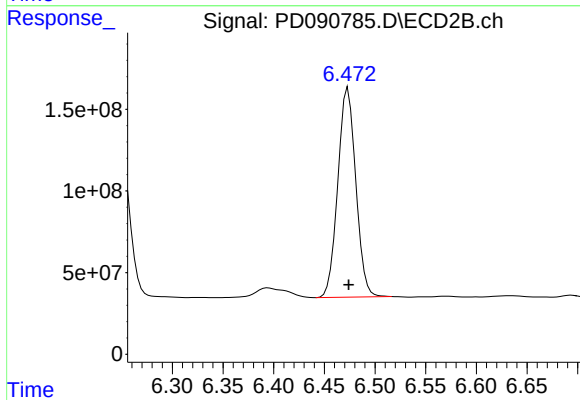
PR132-S07-000102-20251017MSD

Manual Integrations

APPROVED

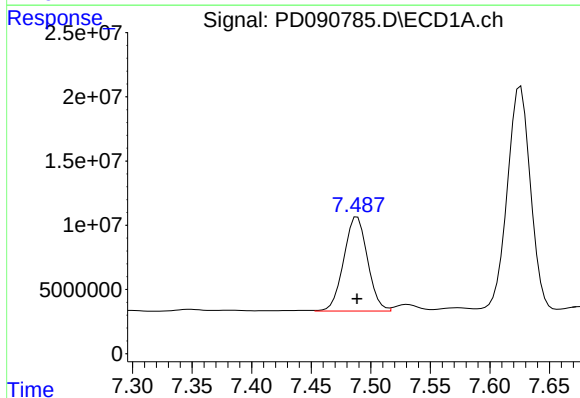
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



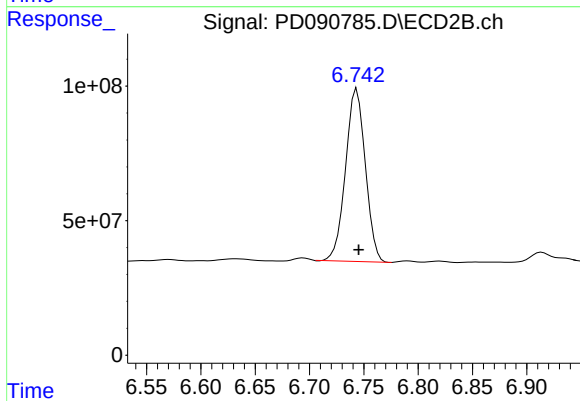
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1582152981
Conc: 44.14 ng/ml



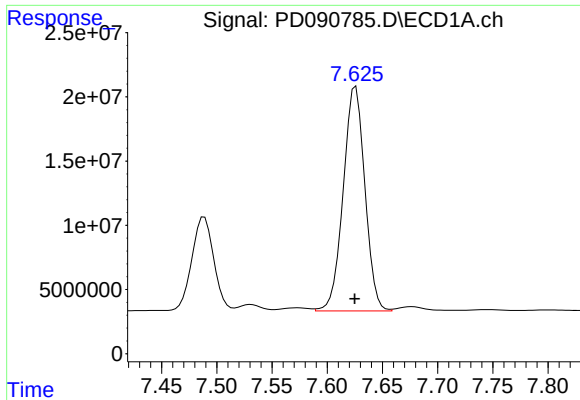
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 101657606
Conc: 47.83 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 815164786
Conc: 46.77 ng/ml



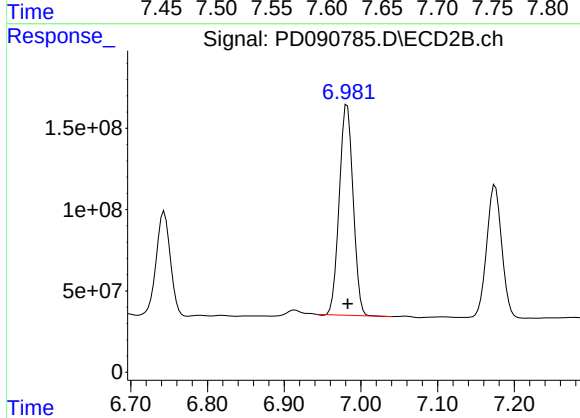
#21 Endrin ketone

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

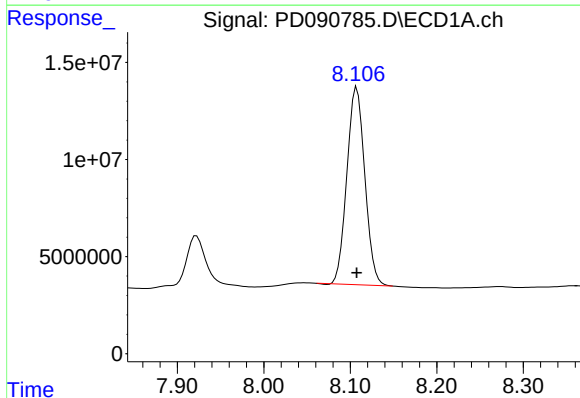
Manual Integrations
APPROVED

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



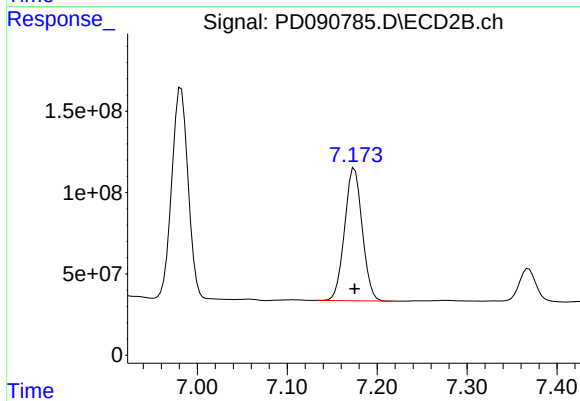
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1622740096
Conc: 43.02 ng/ml



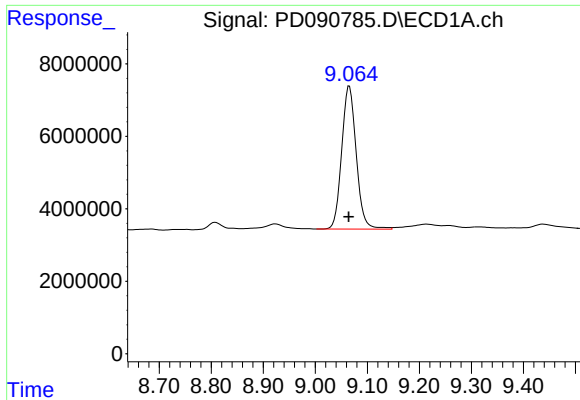
#22 Mirex

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



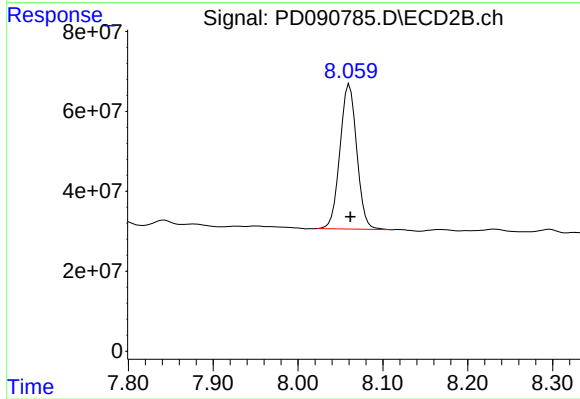
#28 Decachlorobiphenyl

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



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

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD		SDG No.:	Q3424
Lab Sample ID:	Q3419-03MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54.4
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	23.8		1	0.24	3.10	ug/kg	10/24/25 11:16	PB170213
319-85-7	beta-BHC	25.5		1	0.33	3.10	ug/kg	10/24/25 11:16	PB170213
319-86-8	delta-BHC	19.1		1	0.72	3.10	ug/kg	10/24/25 11:16	PB170213
58-89-9	gamma-BHC (Lindane)	19.6		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
76-44-8	Heptachlor	30.6		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
309-00-2	Aldrin	27.2		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
1024-57-3	Heptachlor epoxide	28.9		1	0.35	3.10	ug/kg	10/24/25 11:16	PB170213
959-98-8	Endosulfan I	27.3		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
60-57-1	Dieldrin	27.7		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-55-9	4,4-DDE	27.1		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-20-8	Endrin	26.7		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
33213-65-9	Endosulfan II	26.8		1	0.53	3.10	ug/kg	10/24/25 11:16	PB170213
72-54-8	4,4-DDD	27.8		1	0.28	3.10	ug/kg	10/24/25 11:16	PB170213
1031-07-8	Endosulfan Sulfate	17.2		1	0.24	3.10	ug/kg	10/24/25 11:16	PB170213
50-29-3	4,4-DDT	26.1		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-43-5	Methoxychlor	25.9		1	0.68	3.10	ug/kg	10/24/25 11:16	PB170213
53494-70-5	Endrin ketone	27.5		1	0.35	3.10	ug/kg	10/24/25 11:16	PB170213
7421-93-4	Endrin aldehyde	20.5		1	0.68	3.10	ug/kg	10/24/25 11:16	PB170213
5103-71-9	alpha-Chlordane	29.1		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
5103-74-2	gamma-Chlordane	27.4		1	0.28	3.10	ug/kg	10/24/25 11:16	PB170213
8001-35-2	Toxaphene	60.6	U	1	9.90	60.6	ug/kg	10/24/25 11:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.7			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.6			19 - 148	63%	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\PD102425\
 Data File : PD090812.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:16
 Operator : AR\AJ
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:35:08 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	37524919	374.1E6	12.050m	12.563
28)	SA Decachlor...	9.067	8.059	57134503	384.6E6	12.214	12.696
Target Compounds							
2)	A alpha-BHC	3.995	3.384	279.5E6	1866.5E6	38.938	36.530
3)	MA gamma-BHC...	4.326	3.721	217.4E6	1481.1E6	31.972	31.347
4)	MA Heptachlor	4.924	4.073	279.6E6	1916.9E6	50.020	42.977
5)	MB Aldrin	5.265	4.357	290.5E6	1940.6E6	44.367	41.897m
6)	B beta-BHC	4.513	4.017	108.9E6	826.5E6	41.575	41.680
7)	B delta-BHC	4.761	4.253	210.4E6	1472.8E6	31.122	30.866
8)	B Heptachlo...	5.685	4.861	273.5E6	1794.7E6	47.252	42.090
9)	A Endosulfan I	6.069	5.236	247.2E6	1471.4E6	44.643	37.353
10)	B gamma-Chl...	5.940	5.114	265.1E6	1962.2E6	44.690	43.653
11)	B alpha-Chl...	6.021	5.179	293.5E6	1825.8E6	47.486	42.324
12)	B 4,4'-DDE	6.191	5.363	235.5E6	1896.5E6	44.203	43.262
13)	MA Dieldrin	6.342	5.502	263.7E6	1913.5E6	45.227	43.308
14)	MA Endrin	6.569	5.778	216.0E6	1618.1E6	43.608	39.960
15)	B Endosulfa...	6.782	6.068	218.6E6	1625.5E6	43.722	43.283m
16)	A 4,4'-DDD	6.701	5.918	184.2E6	1472.6E6	45.429	40.414
17)	MA 4,4'-DDT	7.016	6.172	175.4E6	1467.4E6	42.678	41.840
18)	B Endrin al...	6.910	6.248	122.6E6	887.4E6	33.475	32.043
19)	B Endosulfa...	7.145	6.472	130.2E6	994.0E6	28.072	27.731
20)	A Methoxychlor	7.489	6.742	90009473	737.9E6	42.346	42.340
21)	B Endrin ke...	7.625	6.980	218.0E6	1696.0E6	44.875	44.966
22)	Mirex	8.108	7.172	140.0E6	1136.8E6	43.741	44.251

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:16
Operator : AR\AJ
Sample : Q3419-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

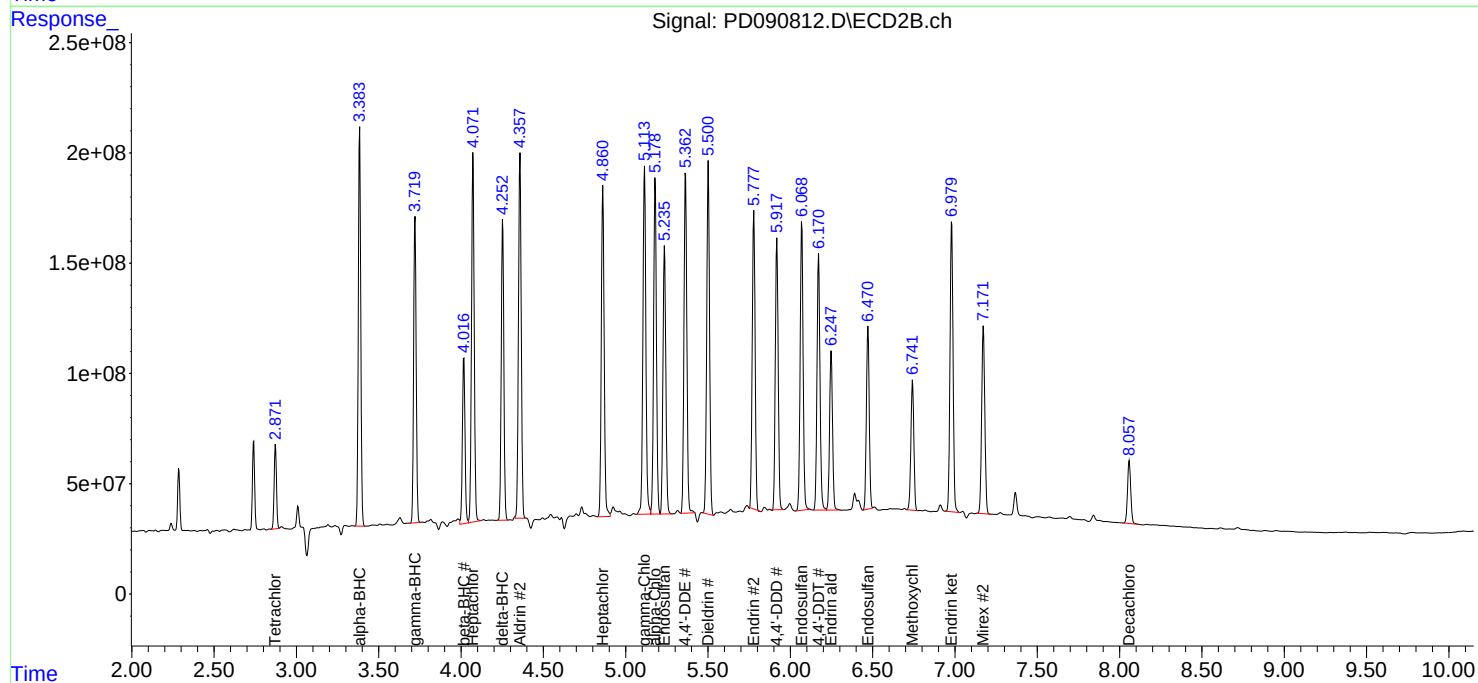
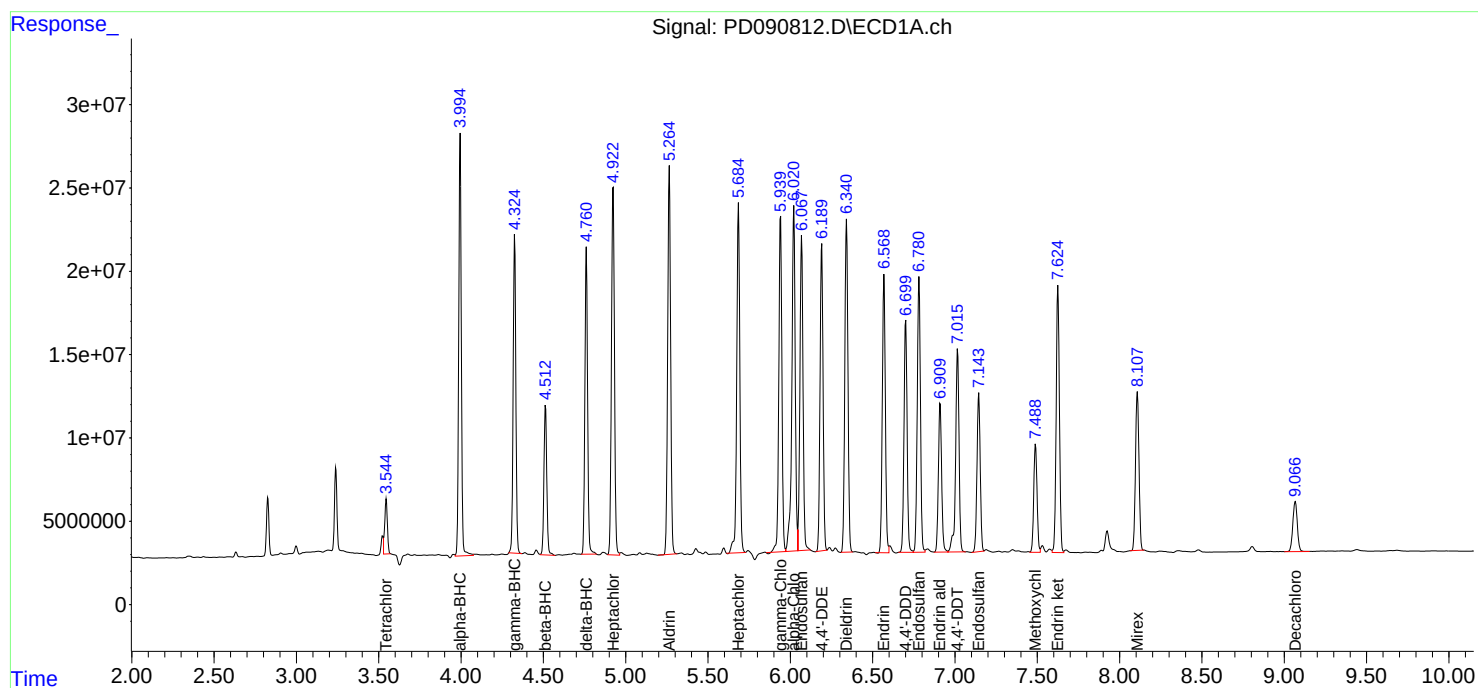
APPROVED

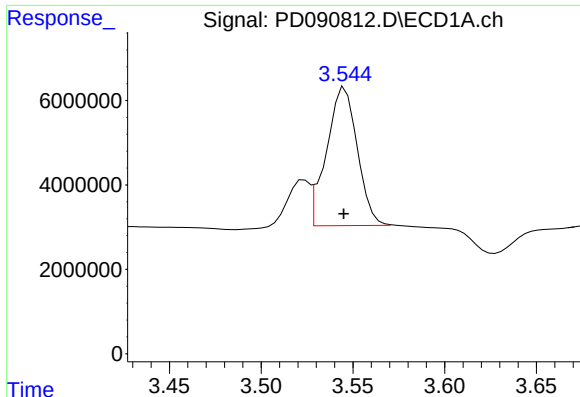
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:35:08 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





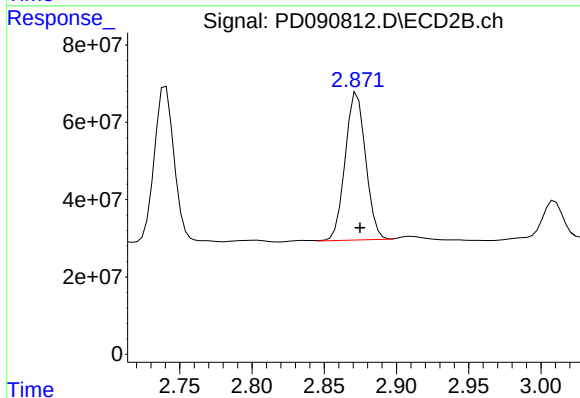
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 37524919
Conc: 12.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

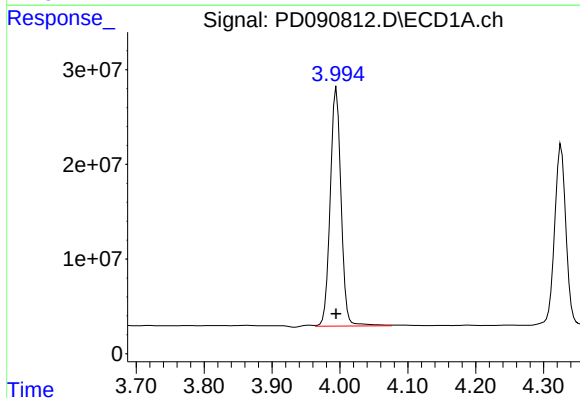
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



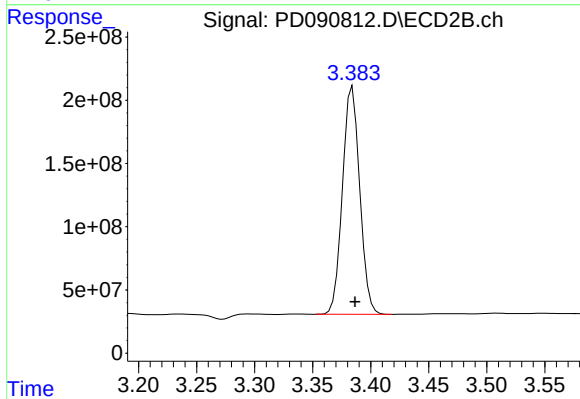
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 374092367
Conc: 12.56 ng/ml



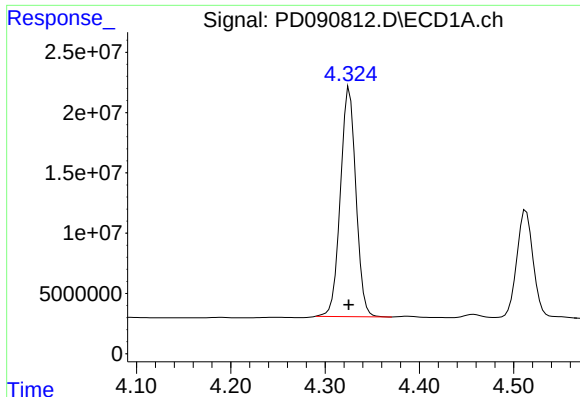
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 279465391
Conc: 38.94 ng/ml



#2 alpha-BHC

R.T.: 3.384 min
Delta R.T.: -0.002 min
Response: 1866528332
Conc: 36.53 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 217371116
Conc: 31.97 ng/ml

Instrument :

ECD_D

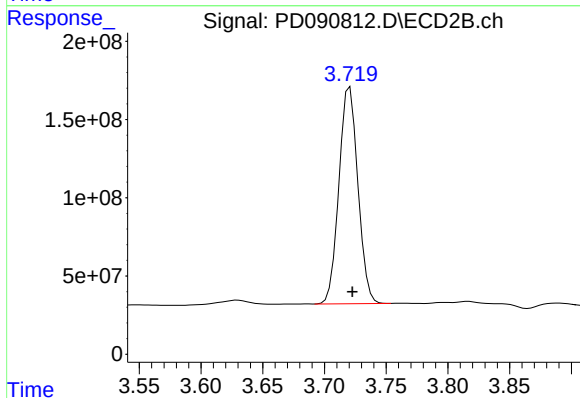
ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

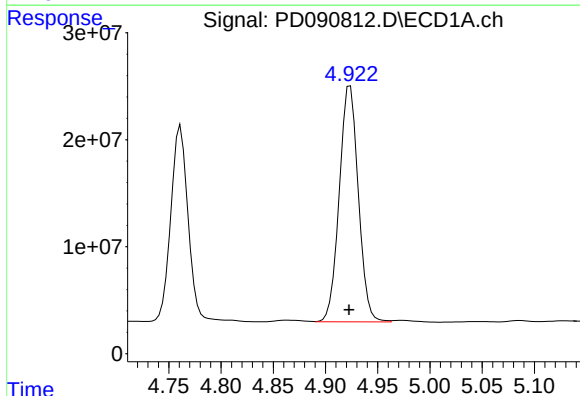
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



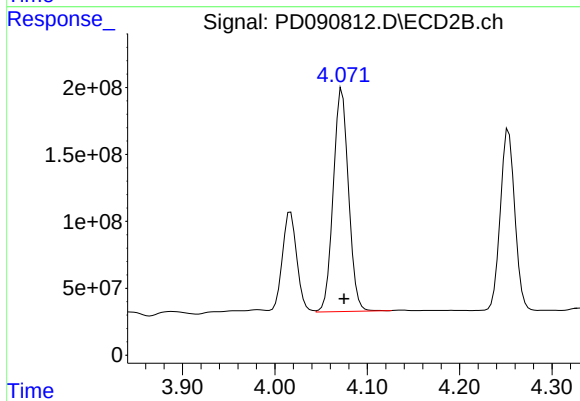
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 1481132556
Conc: 31.35 ng/ml



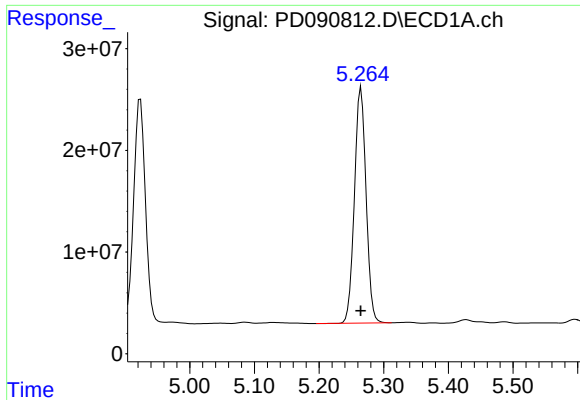
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 279592224
Conc: 50.02 ng/ml



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 1916914893
Conc: 42.98 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 290481568
Conc: 44.37 ng/ml

Instrument :

ECD_D

ClientSampleId :

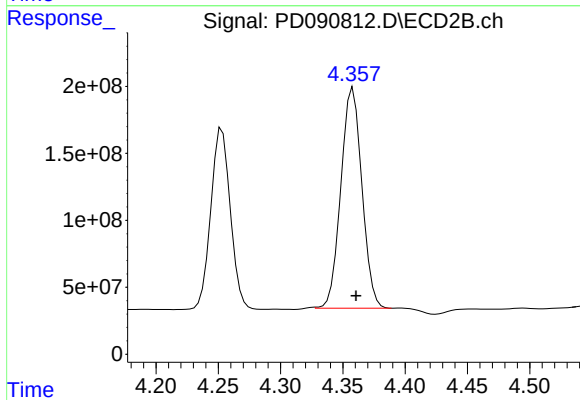
PR-132-S16-015094-20251021MSD

Manual Integrations

APPROVED

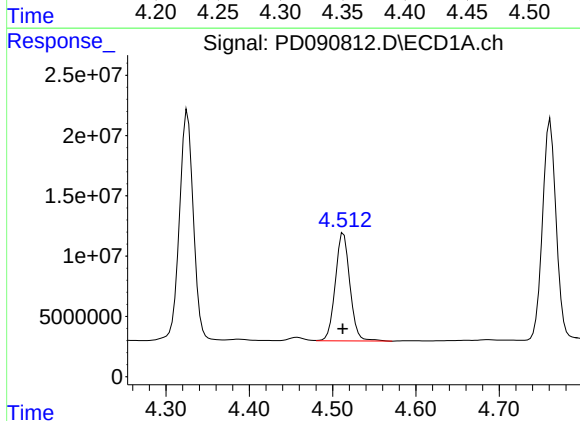
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



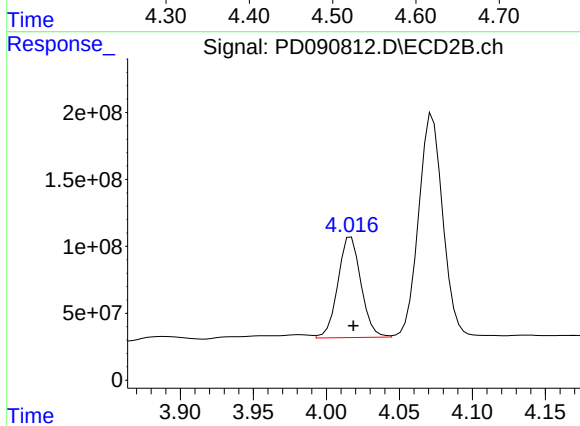
#5 Aldrin

R.T.: 4.357 min
Delta R.T.: -0.004 min
Response: 1940630189
Conc: 41.90 ng/ml m



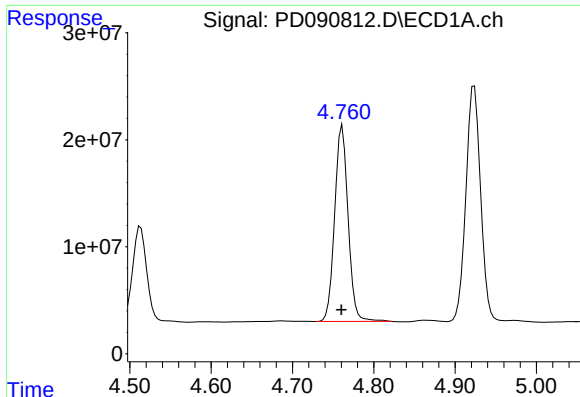
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 108912158
Conc: 41.58 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 826495192
Conc: 41.68 ng/ml



#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.001 min
Response: 210440125
Conc: 31.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

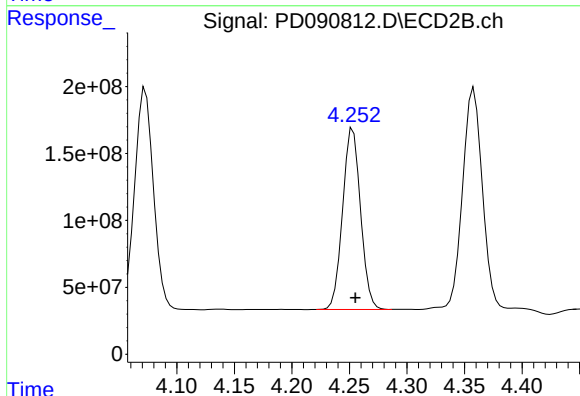
PR-132-S16-015094-20251021MSD

Manual Integrations

APPROVED

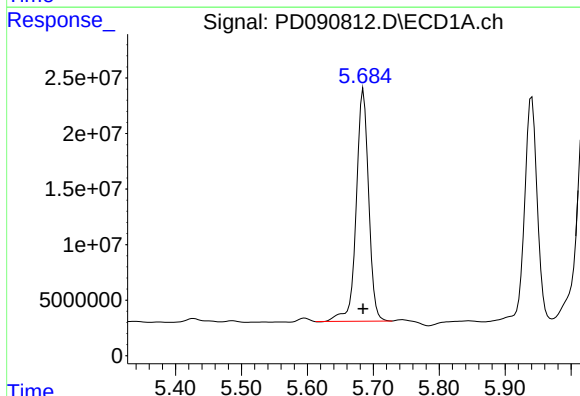
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



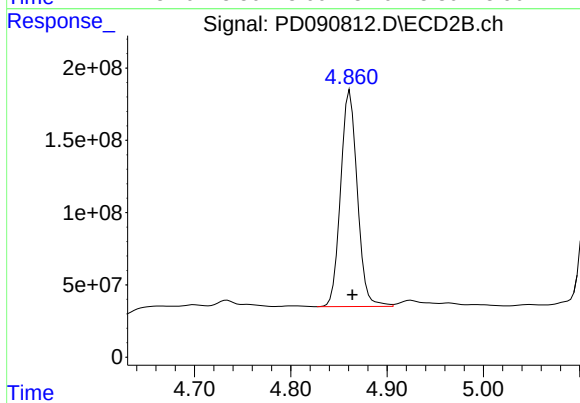
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 1472821741
Conc: 30.87 ng/ml



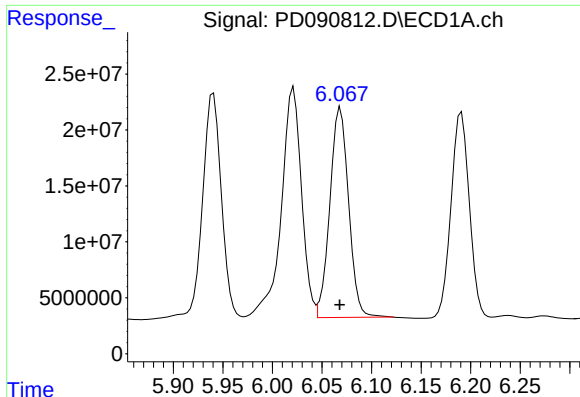
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 273542413
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.861 min
Delta R.T.: -0.003 min
Response: 1794691956
Conc: 42.09 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 247171969
Conc: 44.64 ng/ml

Instrument :

ECD_D

ClientSampleId :

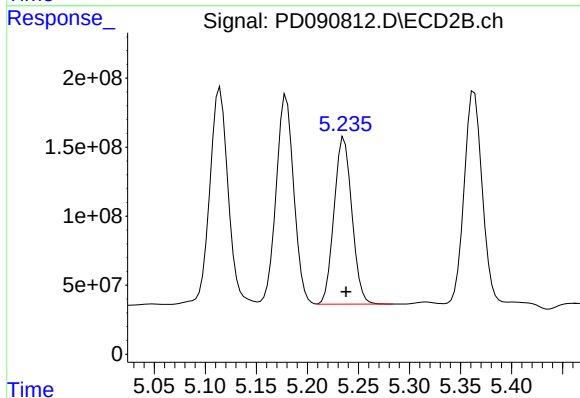
PR-132-S16-015094-20251021MSD

Manual Integrations

APPROVED

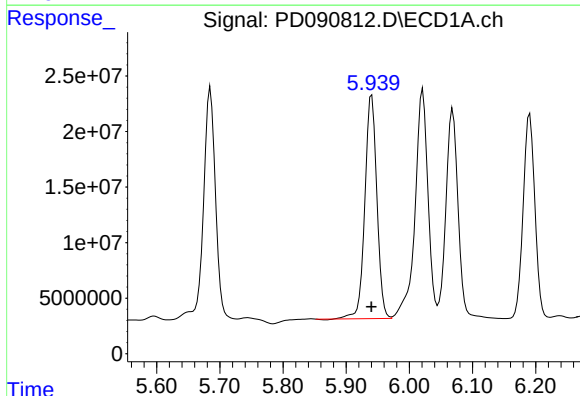
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



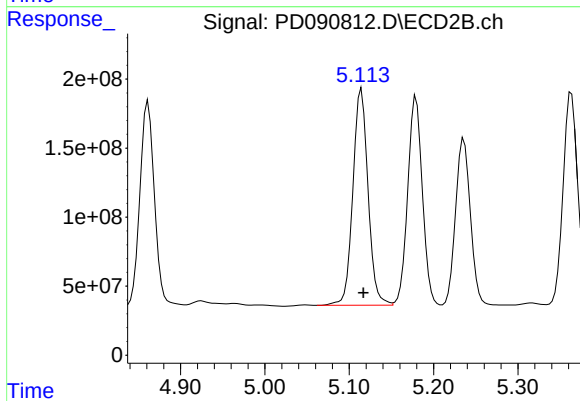
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1471358080
Conc: 37.35 ng/ml



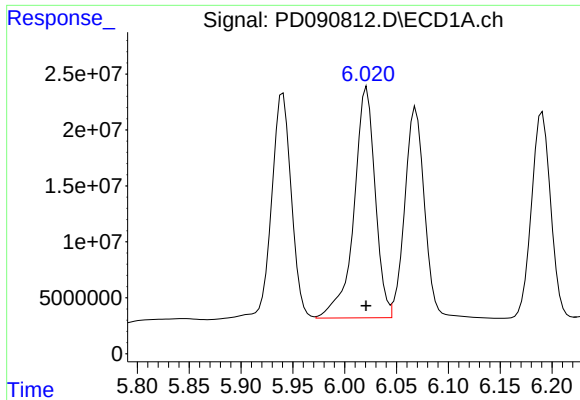
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 265066346
Conc: 44.69 ng/ml



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 1962151012
Conc: 43.65 ng/ml



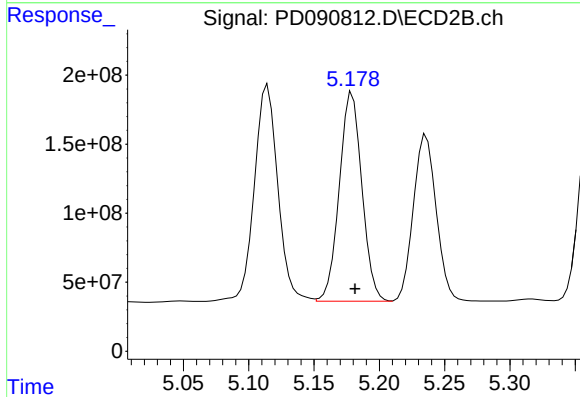
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 293474813
Conc: 47.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

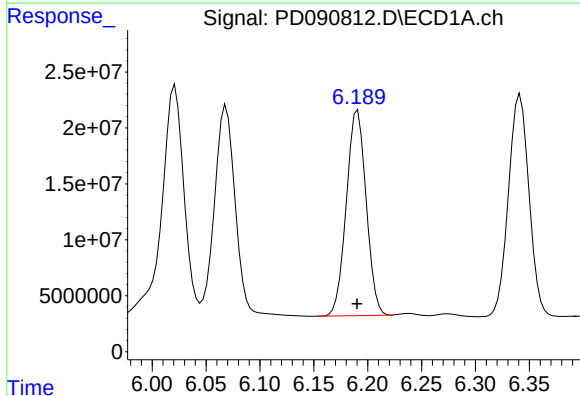
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



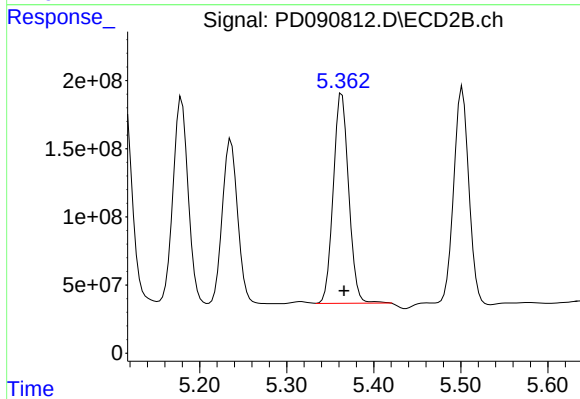
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 1825780572
Conc: 42.32 ng/ml



#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 235451576
Conc: 44.20 ng/ml

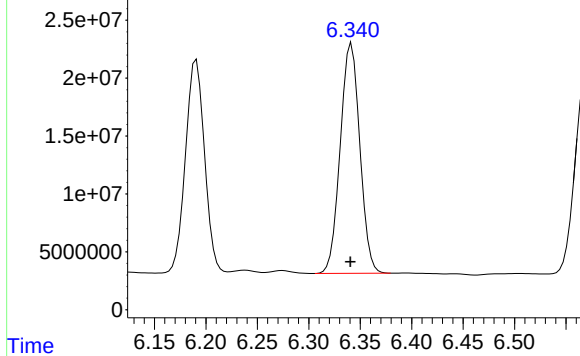


#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.002 min
Response: 1896530562
Conc: 43.26 ng/ml

Response_ Signal: PD090812.D\ECD1A.ch

#13 Dieldrin



R.T.: 6.342 min
 Delta R.T.: 0.001 min
 Response: 263733410
 Conc: 45.23 ng/ml

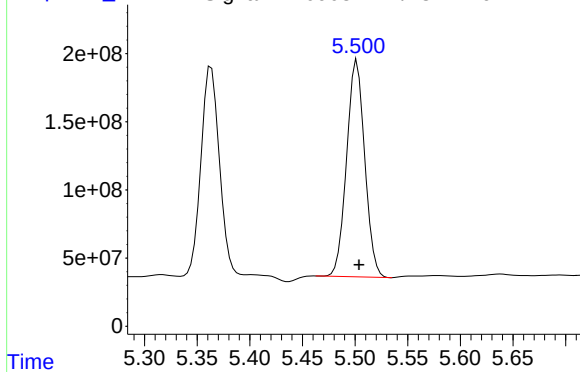
Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Response_ Signal: PD090812.D\ECD2B.ch

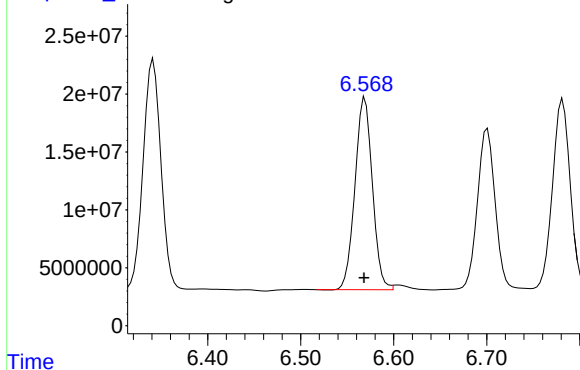
#13 Dieldrin



R.T.: 5.502 min
 Delta R.T.: -0.002 min
 Response: 1913503906
 Conc: 43.31 ng/ml

Response_ Signal: PD090812.D\ECD1A.ch

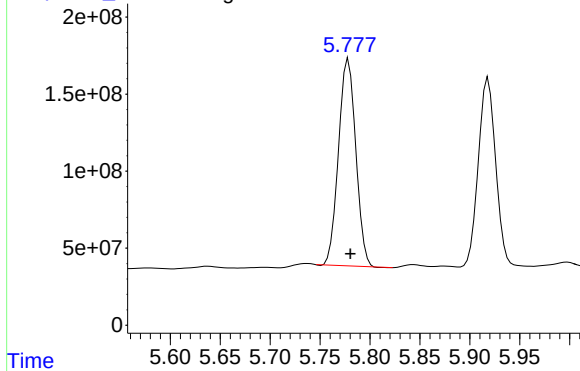
#14 Endrin



R.T.: 6.569 min
 Delta R.T.: 0.000 min
 Response: 216021937
 Conc: 43.61 ng/ml

Response_ Signal: PD090812.D\ECD2B.ch

#14 Endrin



R.T.: 5.778 min
 Delta R.T.: -0.002 min
 Response: 1618124031
 Conc: 39.96 ng/ml

Response_ Signal: PD090812.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 218609289
Conc: 43.72 ng/ml

Instrument :

ECD_D

ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090812.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 1625511851
Conc: 43.28 ng/ml m

Time

Response_ Signal: PD090812.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 184179163
Conc: 45.43 ng/ml

Time

Response_ Signal: PD090812.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1472616018
Conc: 40.41 ng/ml

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

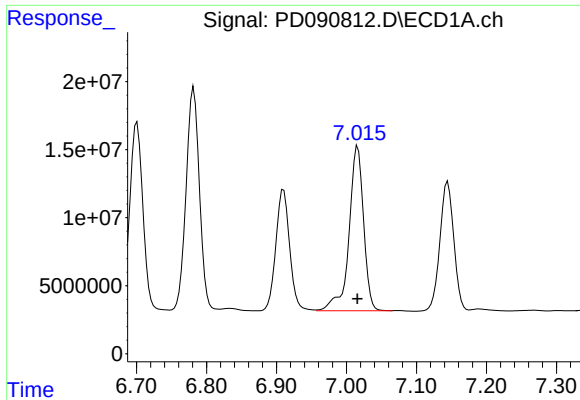
Time

Response_ Signal: PD090812.D\ECD2B.ch

Time

Response_ Signal: PD090812.D\ECD1A.ch

Time



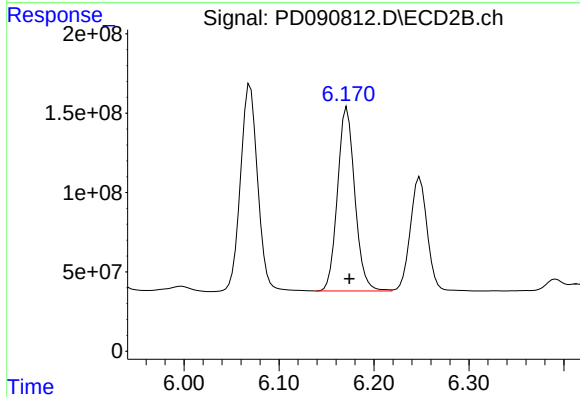
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 175425619
Conc: 42.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

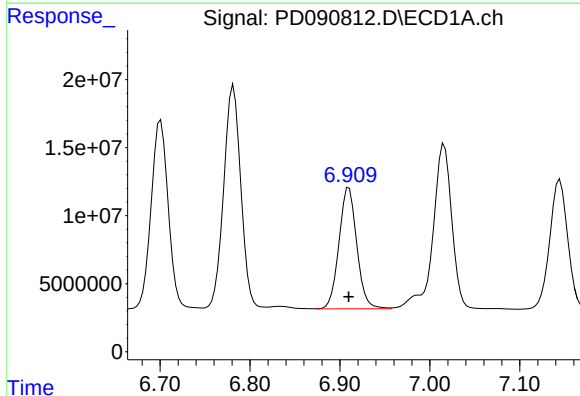
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



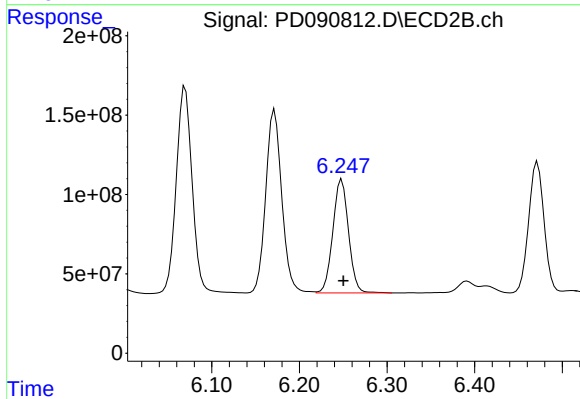
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1467449249
Conc: 41.84 ng/ml



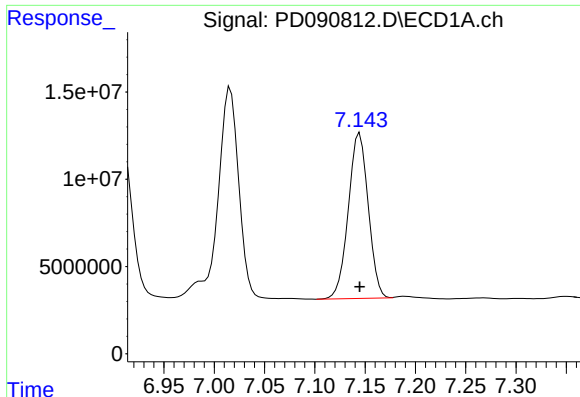
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 122609201
Conc: 33.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 887363754
Conc: 32.04 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 130203506
Conc: 28.07 ng/ml

Instrument :

ECD_D

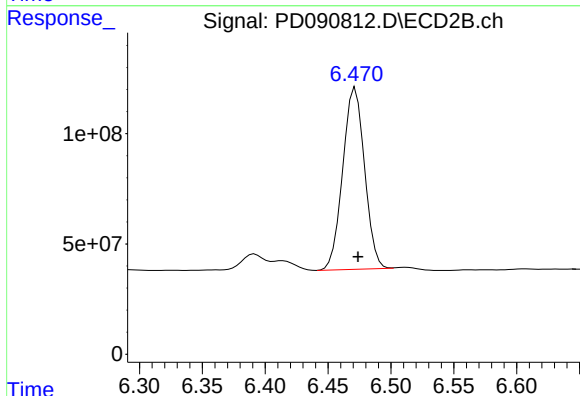
ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

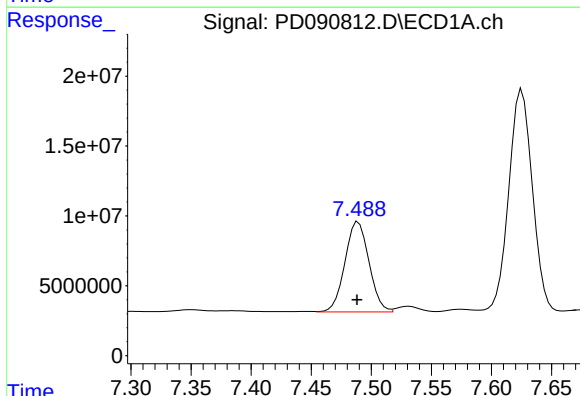
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



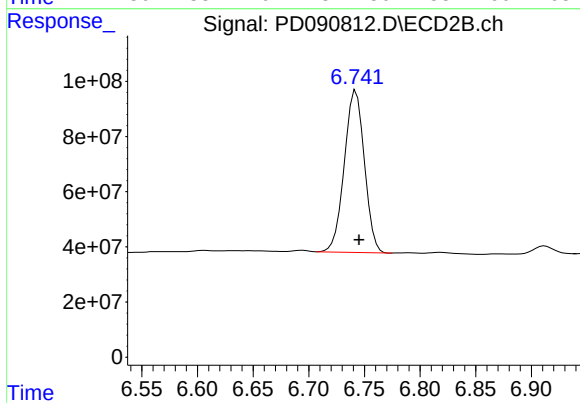
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 994013510
Conc: 27.73 ng/ml



#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 90009473
Conc: 42.35 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 737892545
Conc: 42.34 ng/ml

Response_ Signal: PD090812.D\ECD1A.ch

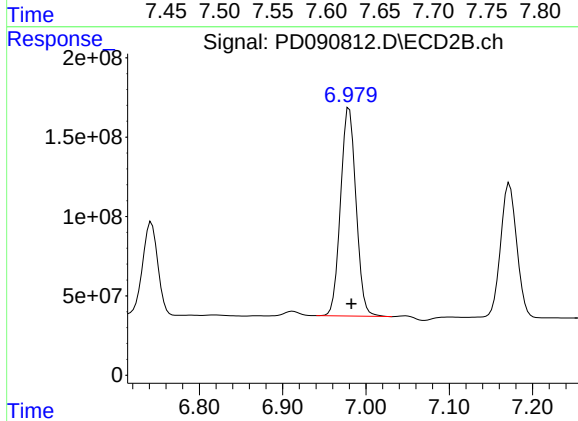
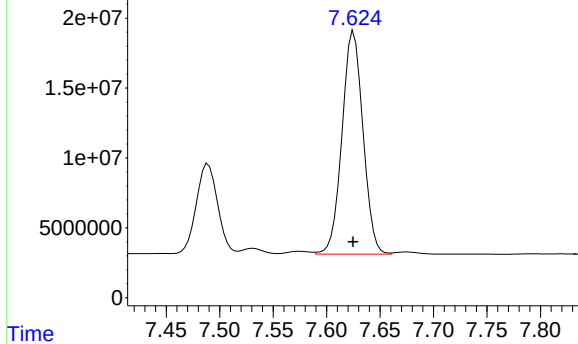
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 218042914
Conc: 44.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

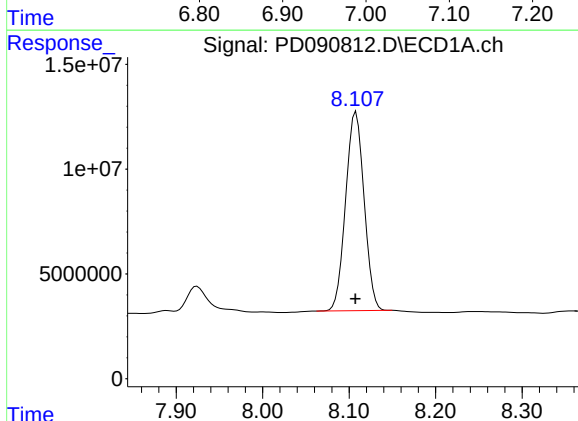
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



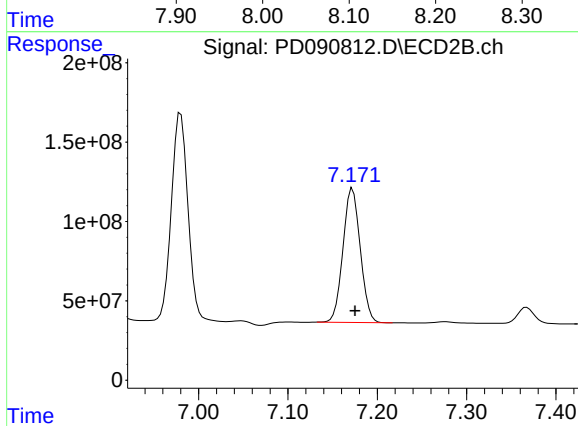
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 1696006543
Conc: 44.97 ng/ml



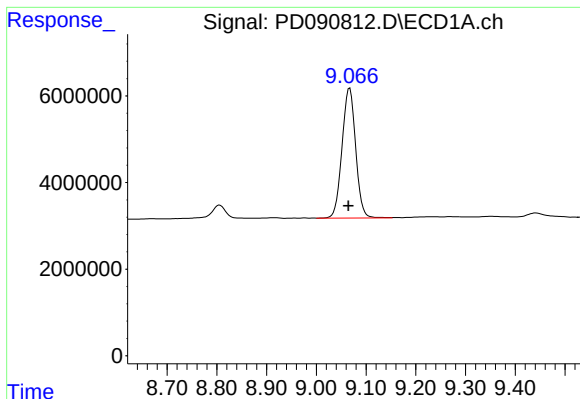
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 140009299
Conc: 43.74 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.003 min
Response: 1136841210
Conc: 44.25 ng/ml



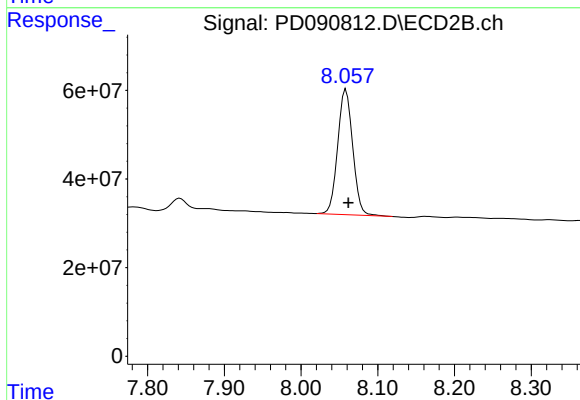
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 57134503
Conc: 12.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 384574724
Conc: 12.70 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
Q3395-03MS	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
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

Manual Integration Report

Sequence:

Pd102325

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
Q3424-01	PD090796.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:12:47 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3424-02	PD090797.D	Dieldrin #2	Abdul	10/24/2025 9:12:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3424-02	PD090797.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:12:42 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3424-03	PD090798.D	4,4"-DDE	Abdul	10/24/2025 9:12:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3424-03	PD090798.D	4,4"-DDT	Abdul	10/24/2025 9:12:38 AM	mohammad	10/28/2025 6:10:14	Peak Integrated by Software
Q3424-03	PD090798.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:12:38 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

Manual Integration Report

Sequence:	pd102425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090809.D	4,4"-DDD	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDD #2	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDE	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDE #2	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	Endrin aldehyde	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PSTDCCC050	PD090810.D	Endosulfan II	Abdul	10/27/2025 9:11:01 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-02MS	PD090811.D	4,4"-DDD	Abdul	10/27/2025 9:10:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-02MS	PD090811.D	Endosulfan II #2	Abdul	10/27/2025 9:10:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-02MS	PD090811.D	Heptachlor epoxide	Abdul	10/27/2025 9:10:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-02MS	PD090811.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:10:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-03MSD	PD090812.D	Aldrin #2	Abdul	10/27/2025 9:10:48 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-03MSD	PD090812.D	Endosulfan II #2	Abdul	10/27/2025 9:10:48 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3419-03MSD	PD090812.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:10:48 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pd102425

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD090824.D	Heptachlor epoxide	Abdul	10/27/2025 9:09:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PSTDCCC050	PD090828.D	Heptachlor epoxide	Abdul	10/27/2025 9:09:13 AM	mohammad	10/28/2025 6:10:48	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#	SampleId	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#	SampleId	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 # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	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#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090807.D	24 Oct 2025 09:43	AR\AJ	Ok
2	I.BLK	PD090808.D	24 Oct 2025 09:57	AR\AJ	Ok
3	PEM	PD090809.D	24 Oct 2025 10:10	AR\AJ	Ok,M
4	PSTDCCC050	PD090810.D	24 Oct 2025 10:24	AR\AJ	Ok,M
5	Q3419-02MS	PD090811.D	24 Oct 2025 11:02	AR\AJ	Ok,M
6	Q3419-03MSD	PD090812.D	24 Oct 2025 11:16	AR\AJ	Ok,M
7	PB170235BL	PD090813.D	24 Oct 2025 11:30	AR\AJ	Ok
8	PB170235BS	PD090814.D	24 Oct 2025 11:43	AR\AJ	Ok
9	Q3445-01	PD090815.D	24 Oct 2025 12:37	AR\AJ	Ok,M
10	Q3439-01	PD090816.D	24 Oct 2025 12:50	AR\AJ	Ok,M
11	Q3439-05	PD090817.D	24 Oct 2025 13:04	AR\AJ	Ok,M
12	Q3439-05MS	PD090818.D	24 Oct 2025 13:18	AR\AJ	Ok,M
13	Q3439-05MSD	PD090819.D	24 Oct 2025 13:31	AR\AJ	Ok,M
14	Q3440-01	PD090820.D	24 Oct 2025 13:45	AR\AJ	Ok,M
15	Q3447-05	PD090821.D	24 Oct 2025 13:58	AR\AJ	Ok,M
16	Q3447-01	PD090822.D	24 Oct 2025 14:57	AR\AJ	Ok,M
17	I.BLK	PD090823.D	24 Oct 2025 15:10	AR\AJ	Ok
18	PSTDCCC050	PD090824.D	24 Oct 2025 15:42	AR\AJ	Ok,M
19	Q3447-03	PD090825.D	24 Oct 2025 16:24	AR\AJ	Not Ok
20	Q3447-07	PD090826.D	24 Oct 2025 16:38	AR\AJ	Ok,M
21	I.BLK	PD090827.D	24 Oct 2025 16:51	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	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	PSTDCCC050	PD090828.D	24 Oct 2025 18:14	AR\AJ	Ok,M

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#	SampleId	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,PP24763,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-11	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-11	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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	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	PD090807.D	24 Oct 2025 09:43		AR\AJ	Ok
2	I.BLK	I.BLK	PD090808.D	24 Oct 2025 09:57		AR\AJ	Ok
3	PEM	PEM	PD090809.D	24 Oct 2025 10:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090810.D	24 Oct 2025 10:24		AR\AJ	Ok,M
5	Q3419-02MS	PR-132-S16-015094-20	PD090811.D	24 Oct 2025 11:02	Endosulfan Sulfate recovery fail	AR\AJ	Ok,M
6	Q3419-03MSD	PR-132-S16-015094-20	PD090812.D	24 Oct 2025 11:16	Endosulfan Sulfate recovery fail	AR\AJ	Ok,M
7	PB170235BL	PB170235BL	PD090813.D	24 Oct 2025 11:30		AR\AJ	Ok
8	PB170235BS	PB170235BS	PD090814.D	24 Oct 2025 11:43		AR\AJ	Ok
9	Q3445-01	EO-01-102325	PD090815.D	24 Oct 2025 12:37		AR\AJ	Ok,M
10	Q3439-01	TP-9	PD090816.D	24 Oct 2025 12:50		AR\AJ	Ok,M
11	Q3439-05	TP-10	PD090817.D	24 Oct 2025 13:04		AR\AJ	Ok,M
12	Q3439-05MS	TP-10MS	PD090818.D	24 Oct 2025 13:18		AR\AJ	Ok,M
13	Q3439-05MSD	TP-10MSD	PD090819.D	24 Oct 2025 13:31		AR\AJ	Ok,M
14	Q3440-01	JB-2	PD090820.D	24 Oct 2025 13:45		AR\AJ	Ok,M
15	Q3447-05	P001-TW3-251023-01	PD090821.D	24 Oct 2025 13:58		AR\AJ	Ok,M
16	Q3447-01	P001-TW1-251023-01	PD090822.D	24 Oct 2025 14:57		AR\AJ	Ok,M
17	I.BLK	I.BLK	PD090823.D	24 Oct 2025 15:10		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PD090824.D	24 Oct 2025 15:42		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	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			

19	Q3447-03	P001-TW2-251023-01	PD090825.D	24 Oct 2025 16:24	F Flag in dcb in 1st column , DCB high in 1st column	AR\AJ	Not Ok
20	Q3447-07	P001-TW4-251023-01	PD090826.D	24 Oct 2025 16:38	DCB high in 1st column	AR\AJ	Ok,M
21	I.BLK	I.BLK	PD090827.D	24 Oct 2025 16:51		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PD090828.D	24 Oct 2025 18:14	Comp#4 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/22/2025
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: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137614

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
Q3419-01	PR-132-S16-015094-20251021	1	1.15	11.01	12.16	7.14	54.4	
Q3419-02	Q3419-01MS	2	1.15	11.01	12.16	7.14	54.4	
Q3419-03	Q3419-01MSD	3	1.15	11.01	12.16	7.14	54.4	
Q3419-04	PR-132-S16-119133-20251021	4	1.16	10.07	11.23	6.37	51.7	
Q3419-05	PR-132-S16-094119-20251021	5	1.19	11.07	12.26	6.38	46.9	
Q3422-01	PR132-S15-000008-20251017	6	1.18	11.02	12.2	7.58	58.1	
Q3424-01	PR132-DP3-20251021	7	1.15	10.36	11.51	5.91	45.9	
Q3424-02	PR132-S11-010080-20251021	8	1.12	10.72	11.84	6.49	50.1	
Q3424-03	PR132-S14-00094-20251021	9	1.14	11.34	12.48	6.82	50.1	
Q3427-01	TP-8	10	1.11	10.77	11.88	10.84	90.3	
Q3427-02	TP-8-EPH	11	1.18	10.97	12.15	10.98	89.3	
Q3427-03	TP-8-VOC	12	1.19	10.26	11.45	10.52	90.9	
Q3429-01	40309	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3429-02	40310	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3430-01	BUR-25-0095	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3431-01	EO-02-10222025	16	1.11	10.55	11.66	10.64	90.3	
Q3431-02	EO-02-10222025-E2	17	1.17	10.59	11.76	10.59	89.0	
Q3434-01	PR132-WC1-20251022	18	1.13	10.43	11.56	7.17	57.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137614

WorkList Name : %1-102225 WorkList ID : 192597 Department : Wet-Chemistry Date : 10-22-2025 09:03:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3419-01	PR-132-S16-015094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-02	Q3419-01MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-03	Q3419-01MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-04	PR-132-S16-119133-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-05	PR-132-S16-094119-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3422-01	PR132-S15-000008-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3424-01	PR132-DP3-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-02	PR132-S11-010080-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-03	PR132-S14-00094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3427-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3429-01	40309	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3429-02	40310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3430-01	BUR-25-0095	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3431-01	EO-02-10222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3431-02	EO-02-10222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3434-01	PR132-WC1-20251022	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/22/2025	Chemtech -SO

Date/Time 10/22/25 15:00

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC

Date/Time 10/22/25

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Extraction Start Date : 10/23/2025

Matrix : Solid

Extraction Start Time : 08:35

Weigh By: EH

Extraction By: RJ

Extraction End Date : 10/23/2025

Balance check: EH

Filter By: RJ

Extraction End Time : 11:55

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	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

Envap ID: N-EVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/25	RS (Ext Lab)	RS, 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-S09-000051-2025 1017	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q3395-02	PR132-S07-000102-2025 1017	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-S07-102116-2025 1017	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U6-1
Q3395-06	PR132-COMP03-2025101 7	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		2
~~Q3395-07~~	~~PR132-S08-038048-2025 1017~~	~~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-S16-015094-202 51021	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-S16-119133-202 51021	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q3419-05	PR-132-S16-094119-202 51021	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q3422-01	PR132-S15-000008-2025 1017	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-S11-010080-2025 1021	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	F		6
Q3424-03	PR132-S14-00094-20251 021	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

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: RJ (Ext-1066)
 Raw Sample Relinquished by: RJ (Ext-1066)

Date/Time 10/23/25 9:10
 Raw Sample Received by: RJ (Ext-1066)
 Raw Sample Relinquished by: RJ (Ext-1066)

Prep Standard - Chemical Standard Summary

Order ID : Q3424

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



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



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 1/12/25.

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

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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

Avantor Performance Materials LLC

Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



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

Avantor Performance Materials LLC



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
↓
P13043
1
JAW
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

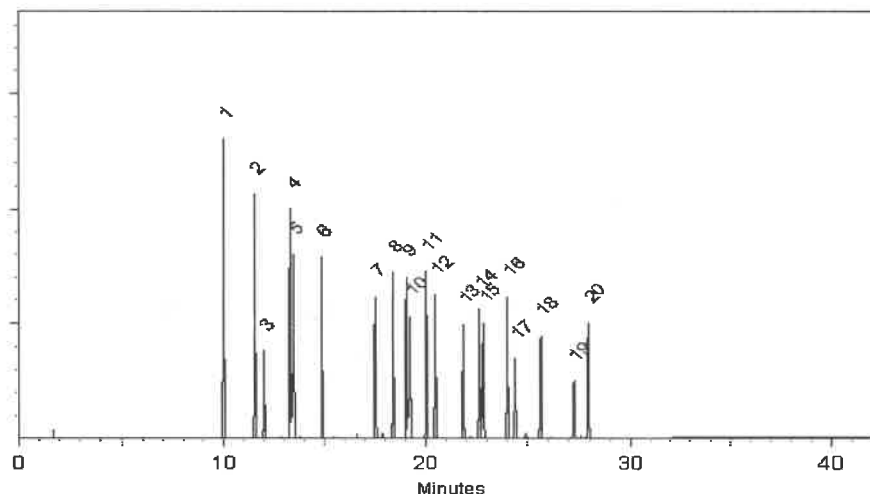
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

**CERTIFIED WEIGHT REPORT**

Part Number:	<u>79136</u>
Lot Number:	<u>042022</u>
Description:	Miltex

Solvent(s):	Lot#
Acetone	81025

Expiration Date: 042027

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration ($\mu\text{g/mL}$):

NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL):

5E-05	Balance Uncertainty
0.006	Flask Uncertainty

Formulated By:	 Prashant Chauhan	042022
Reviewed By:	 Pedro L. Rentias	042022

Reviewed By:

Pedro L. Rentas

DATE _____

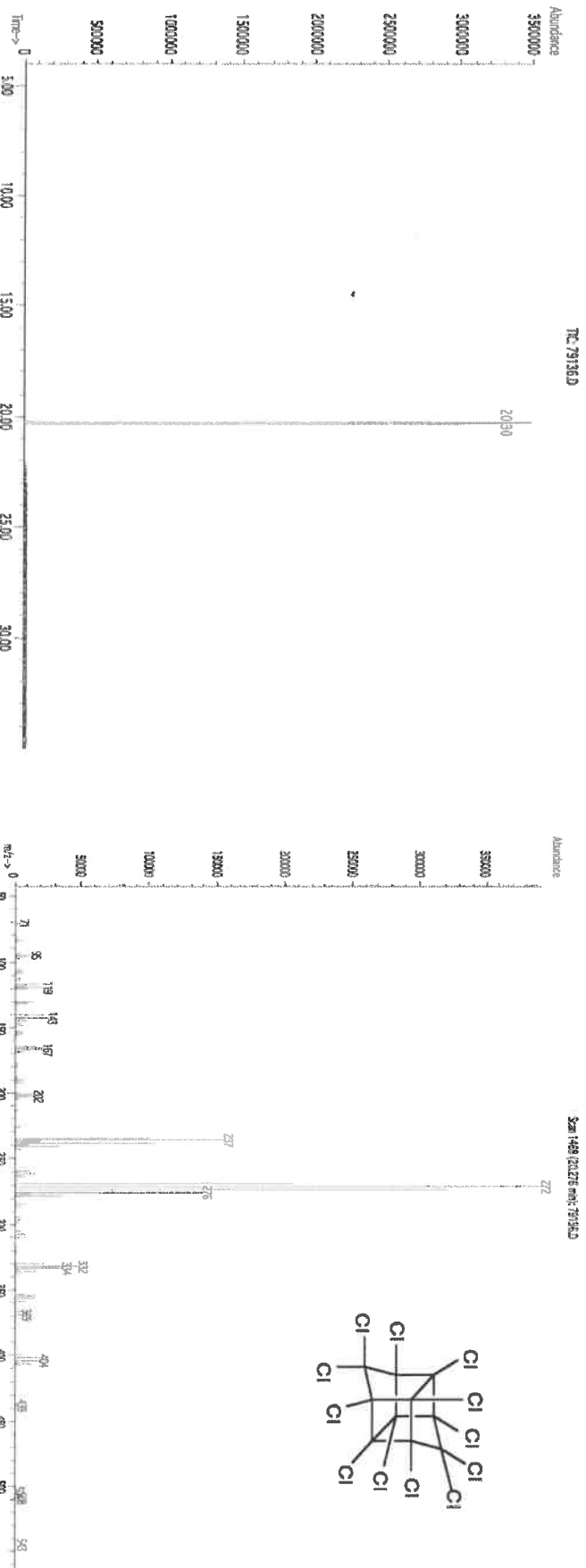
SDS Information

Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	
			Purity				CAS#			
									OSHA PEL (TWA)	L250

050

1. Mitrex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85.5	N/A	off-rail 306mm/ks

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified ($\pm$) 0.5% of the stated value, unless otherwise stated.

- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

- Uncertainty Reference: Taylor, B.N. and 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).

$P_{13,195}$
 $\downarrow$
 $P_{13,199}$
 $\downarrow$
 (5)
 $|$

01/17/2024
AHLN

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:

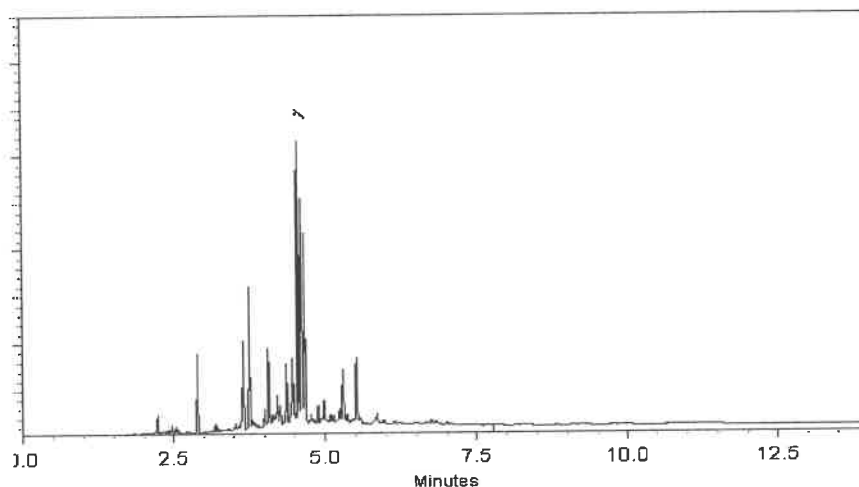
ECD

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:

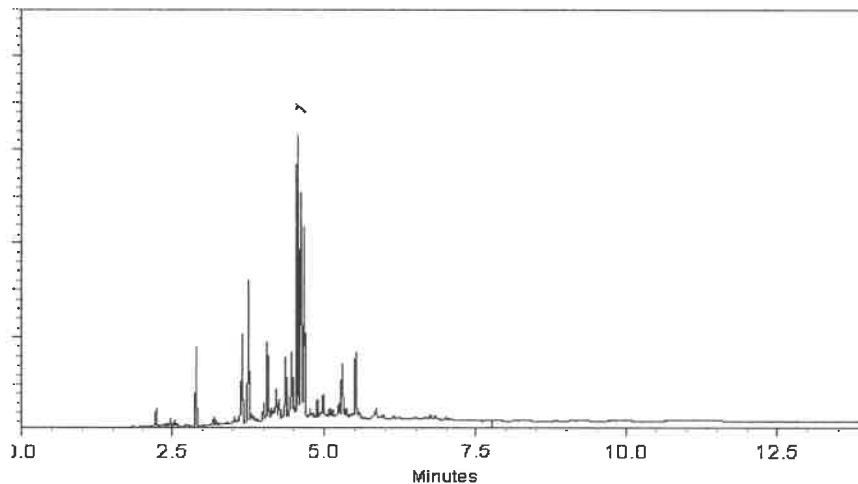
ECD

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.)

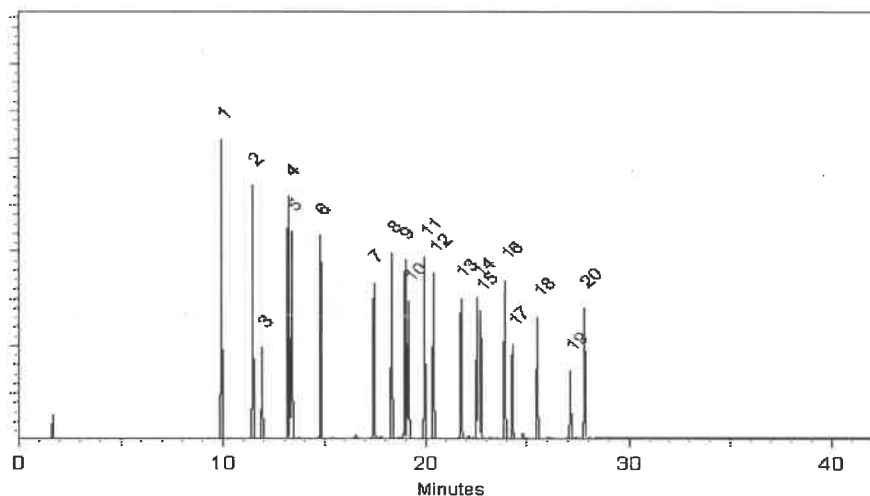
Inj. Temp:
200°C

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:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Recommended Storage:

Refrigerate (4 °C)

Hexane

273615 (50%)

Nominal Concentration (µg/mL):

Varied

Toluene

28508 (50%)

NIST Test ID#:

6UTB

Balance Uncertainty
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

5E-05

Formulated By:	Lawrence Barry	013124
Reviewed By:	Pedro L. Rentes	013124
DATE		

Compound

Part Number

Lot Number

Dil. Factor

Initial Vol. (mL)

Uncertainty Pipette (mL)

Initial Conc. (µg/mL)

Final Conc. (µg/mL)

Expanded Uncertainty (±) µg/mL

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 38300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243
P13244
P13245
P13246
P13247
P13248
P13249
P13250
P13251
P13252
P13253
P13254
P13255
P13256
P13257
P13258
P13259
P13260
P13261
P13262
P13263
P13264
P13265
P13266
P13267
P13268
P13269
P13270
P13271
P13272
P13273
P13274
P13275
P13276
P13277
P13278
P13279
P13280
P13281
P13282
P13283
P13284
P13285
P13286
P13287
P13288
P13289
P13290
P13291
P13292
P13293
P13294
P13295
P13296
P13297
P13298
P13299
P13300
P13301
P13302
P13303
P13304
P13305
P13306
P13307
P13308
P13309
P13310
P13311
P13312
P13313
P13314
P13315
P13316
P13317
P13318
P13319
P13320
P13321
P13322
P13323
P13324
P13325
P13326
P13327
P13328
P13329
P13330
P13331
P13332
P13333
P13334
P13335
P13336
P13337
P13338
P13339
P13340
P13341
P13342
P13343
P13344
P13345
P13346
P13347
P13348
P13349
P13350
P13351
P13352
P13353
P13354
P13355
P13356
P13357
P13358
P13359
P13360
P13361
P13362
P13363
P13364
P13365
P13366
P13367
P13368
P13369
P13370
P13371
P13372
P13373
P13374
P13375
P13376
P13377
P13378
P13379
P13380
P13381
P13382
P13383
P13384
P13385
P13386
P13387
P13388
P13389
P13390
P13391
P13392
P13393
P13394
P13395
P13396
P13397
P13398
P13399
P13400
P13401
P13402
P13403
P13404
P13405
P13406
P13407
P13408
P13409
P13410
P13411
P13412
P13413
P13414
P13415
P13416
P13417
P13418
P13419
P13420
P13421
P13422
P13423
P13424
P13425
P13426
P13427
P13428
P13429
P13430
P13431
P13432
P13433
P13434
P13435
P13436
P13437
P13438
P13439
P13440
P13441
P13442
P13443
P13444
P13445
P13446
P13447
P13448
P13449
P13450
P13451
P13452
P13453
P13454
P13455
P13456
P13457
P13458
P13459
P13460
P13461
P13462
P13463
P13464
P13465
P13466
P13467
P13468
P13469
P13470
P13471
P13472
P13473
P13474
P13475
P13476
P13477
P13478
P13479
P13480
P13481
P13482
P13483
P13484
P13485
P13486
P13487
P13488
P13489
P13490
P13491
P13492
P13493
P13494
P13495
P13496
P13497
P13498
P13499
P13500
P13501
P13502
P13503
P13504
P13505
P13506
P13507
P13508
P13509
P13510
P13511
P13512
P13513
P13514
P13515
P13516
P13517
P13518
P13519
P13520
P13521
P13522
P13523
P13524
P13525
P13526
P13527
P13528
P13529
P13530
P13531
P13532
P13533
P13534
P13535
P13536
P13537
P13538
P13539
P13540
P13541
P13542
P13543
P13544
P13545
P13546
P13547
P13548
P13549
P13550
P13551
P13552
P13553
P13554
P13555
P13556
P13557
P13558
P13559
P13560
P13561
P13562
P13563
P13564
P13565
P13566
P13567
P13568
P13569
P13570
P13571
P13572
P13573
P13574
P13575
P13576
P13577
P13578
P13579
P13580
P13581
P13582
P13583
P13584
P13585
P13586
P13587
P13588
P13589
P13590
P13591
P13592
P13593
P13594
P13595
P13596
P13597
P13598
P13599
P13600
P13601
P13602
P13603
P13604
P13605
P13606
P13607
P13608
P13609
P13610
P13611
P13612
P13613
P13614
P13615
P13616
P13617
P13618
P13619
P13620
P13621
P13622
P13623
P13624
P13625
P13626
P13627
P13628
P13629
P13630
P13631
P13632
P13633
P13634
P13635
P13636
P13637
P13638
P13639
P13640
P13641
P13642
P13643
P13644
P13645
P13646
P13647
P13648
P13649
P13650
P13651
P13652
P13653
P13654
P13655
P13656
P13657
P13658
P13659
P13660
P13661
P13662
P13663
P13664
P13665
P13666
P13667
P13668
P13669
P13670
P13671
P13672
P13673
P13674
P13675
P13676
P13677
P13678
P13679
P13680
P13681
P13682
P13683
P13684
P13685
P13686
P13687
P13688
P13689
P13690
P13691
P13692
P13693
P13694
P13695
P13696
P13697
P13698
P13699
P13700
P13701
P13702
P13703
P13704
P13705
P13706
P13707
P13708
P13709
P13710
P13711
P13712
P13713
P13714
P13715
P13716
P13717
P13718
P13719
P13720
P13721
P13722
P13723
P13724
P13725
P13726
P13727
P13728
P13729
P13730
P13731
P13732
P13733
P13734
P13735
P13736
P13737
P13738
P13739
P13740
P13741
P13742
P13743
P13744
P13745
P13746
P13747
P13748
P13749
P13750
P13751
P13752
P13753
P13754
P13755
P13756
P13757
P13758
P13759
P13760
P13761
P13762
P13763
P13764
P13765
P13766
P13767
P13768
P13769
P13770
P13771
P13772
P13773
P13774
P13775
P13776
P13777
P13778
P13779
P13780
P13781
P13782
P13783
P13784
P13785
P13786
P13787
P13788
P13789
P13790
P13791
P13792
P13793
P13794
P13795
P13796
P13797
P13798
P13799
P13800
P13801
P13802
P13803
P13804
P13805
P13806
P13807
P13808
P13809
P13810
P13811
P13812
P13813
P13814
P13815
P13816
P13817
P13818
P13819
P13820
P13821
P13822
P13823
P13824
P13825
P13826
P13827
P13828
P13829
P13830
P13831
P13832
P13833
P13834
P13835
P13836
P13837
P13838
P13839
P13840
P13841
P13842
P13843
P13844
P13845
P13846
P13847
P13848
P13849
P13850
P13851
P13852
P13853
P13854
P13855
P13856
P13857
P13858
P13859
P13860
P13861
P13862
P13863
P13864
P13865
P13866
P13867
P13868
P13869
P13870
P13871
P13872
P13873
P13874
P13875
P13876
P13877
P13878
P13879
P13880
P13881
P13882
P13883
P13884
P13885
P13886
P13887
P13888
P13889
P13890
P13891
P13892
P13893
P13894
P13895
P13896
P13897
P13898
P13899
P13900
P13901
P13902
P13903
P13904
P13905
P13906
P13907
P13908
P13909
P13910
P13911
P13912
P13913
P13914
P13915
P13916
P13917
P13918
P13919
P13920
P13921
P13922
P13923
P13924
P13925
P13926
P13927
P13928
P13929
P13930
P13931
P13932
P13933
P13934
P13935
P13936
P13937
P13938
P13939
P13940
P13941
P13942
P13943
P13944
P13945
P13946
P13947
P13948
P13949
P13950
P13951
P13952
P13953
P13954
P13955
P13956
P13957
P13958
P13959
P13960
P13961
P13962
P13963
P13964
P13965
P13966
P13967
P13968
P13969
P13970
P13971
P13972
P13973
P13974
P13975
P13976
P13977
P13978
P13979
P13980
P13981
P13982
P13983
P13984
P13985
P13986
P13987
P13988
P13989
P13990
P13991
P13992
P13993
P13994
P13995
P13996
P13997
P13998
P13999
P14000
P14001
P14002
P14003
P14004
P14005
P14006
P14007
P14008
P14009
P14010
P14011
P14012
P14013
P14014
P14015
P14016
P14017
P14018
P14019
P14020
P14021
P14022
P14023
P14024
P14025
P14026
P14027
P14028
P14029
P14030
P14031
P14032
P14033
P14034
P14035
P14036
P14037
P14038
P14039
P14040
P14041
P14042
P14043
P14044
P14045
P14046
P14047
P14048
P14049
P14050
P14051
P14052
P14053
P14054
P14055
P14056
P14057
P14058
P14059
P14060
P14061
P14062
P14063
P14064
P14065
P14066
P14067
P14068
P14069
P14070
P14071
P14072
P14073
P14074
P14075
P14076
P14077
P14078
P14079
P14080
P14081
P14082
P14083
P14084
P14085
P14086
P14087
P14088
P14089
P14090
P14091
P14092
P14093
P14094
P14095
P14096
P14097
P14098
P14099
P14100
P14101
P14102
P14103
P14104
P14105
P14106
P14107
P14108
P14109
P14110
P14111
P14112
P14113
P14114
P14115
P14116
P14117
P14118
P14119
P14120
P14121
P14122
P14123
P14124
P14125
P14126
P14127
P14128
P14129
P14130
P14131
P14132
P14133
P14134
P14135
P14136
P14137
P14138
P14139
P14140
P14141
P14142
P14143
P14144
P14145
P14146
P14147
P14148
P14149
P14150
P14151
P14152
P14153
P14154
P14155
P14156
P14157
P14158
P14159
P14160
P14161
P14162
P14163
P14164
P14165
P14166
P14167
P14168
P14169
P14170
P14171
P14172
P14173
P14174
P14175
P14176
P14177
P14178
P14179
P14180
P14181
P14182
P14183
P14184
P14185
P14186
P14187
P14188
P14189
P14190
P14191
P14192
P14193
P14194
P14195
P14196
P14197
P14198
P14199
P14200
P14201
P14202
P14203
P14204
P14205
P14206
P14207
P14208
P14209
P14210
P14211
P14212
P14213
P14214
P14215
P14216
P14217
P14218
P14219
P14220
P14221
P14222
P14223
P14224
P14225
P14226
P14227
P14228
P14229
P14230
P14231
P14232
P14233
P14234
P14235
P14236
P14237
P14238
P14239
P14240
P14241
P14242
P14243
P14244
P14245
P14246
P14247
P14248
P14249
P14250
P14251
P14252
P14253
P14254
P14255
P14256
P14257
P14258
P14259
P14260
P14261
P14262
P14263
P14264
P14265
P14266
P14267
P14268
P14269
P14270
P14271
P14272
P14273
P14274
P14275
P14276
P14277
P14278
P14279
P14280
P14281
P14282
P14283
P14284
P14285
P14286
P14287
P14288
P14289
P14290
P14291
P14292
P14293
P14294
P14295
P14296
P14297
P14298
P14299
P14300
P14301
P14302
P14303
P14304
P14305
P14306
P14307
P14308
P14309
P14310
P14311
P14312
P14313
P14314
P14315
P14316
P14317
P14318
P14319
P14320
P14321
P14322
P14323
P14324
P14325
P14326
P14327
P14328
P14329
P14330
P14331
P14332
P14333
P14334
P14335
P14336
P14337
P14338
P14339
P14340
P14341
P14342
P14343
P14344
P14345
P14346
P14347
P14348
P14349
P14350
P14351
P14352
P14353
P14354
P14355
P14356
P14357
P14358
P14359
P14360
P14361
P14362
P14363
P14364
P14365
P14366
P14367
P14368
P14369
P14370
P14371
P14372
P14373
P14374
P14375
P14376
P14377
P14378
P14379
P14380
P14381
P14382
P14383
P14384
P14385
P14386
P14387
P14388
P14389
P14390
P14391
P14392
P14393
P14394
P14395
P14396
P14397
P14398
P14399
P14400
P14401
P14402
P14403
P14404
P14405
P14406
P14407
P14408
P14409
P14410
P14411
P14412
P14413
P14414
P14415

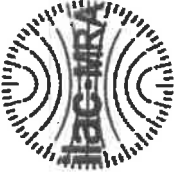


110 Benner Circle
Belleville, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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

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%

Handwritten notes and signatures:

- Signature: *[Signature]*
- Date: *11/19/24*
- Text: *P13779*
- Text: *P13773*

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.)

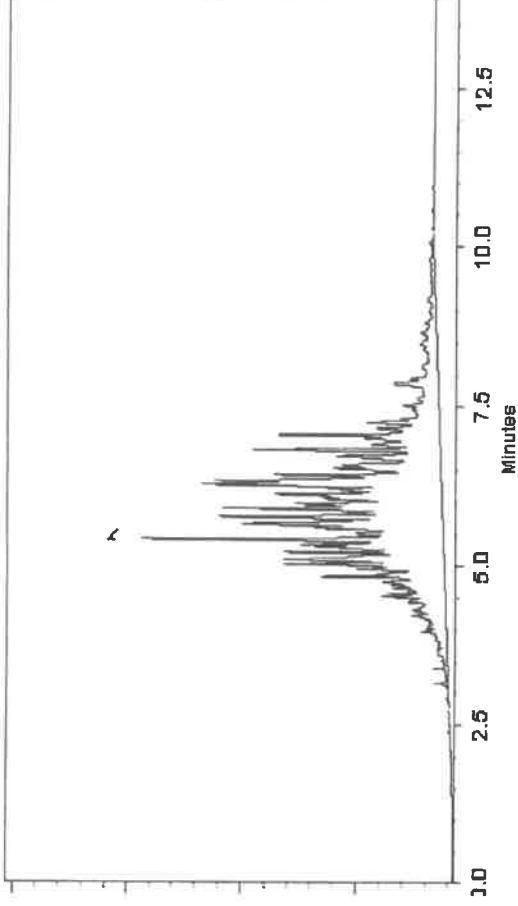
Inj. Temp:
250°C

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.

J.P.

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

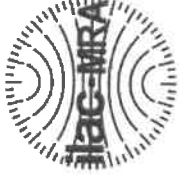
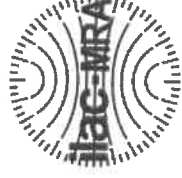
Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397

(Signature)
P13773
P19779
A7
11/19/24
(Signature)
10-5-20



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

PI8780 AJ
11/19/24

PI8784

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

Solvent:

Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

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.# 111323)

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:

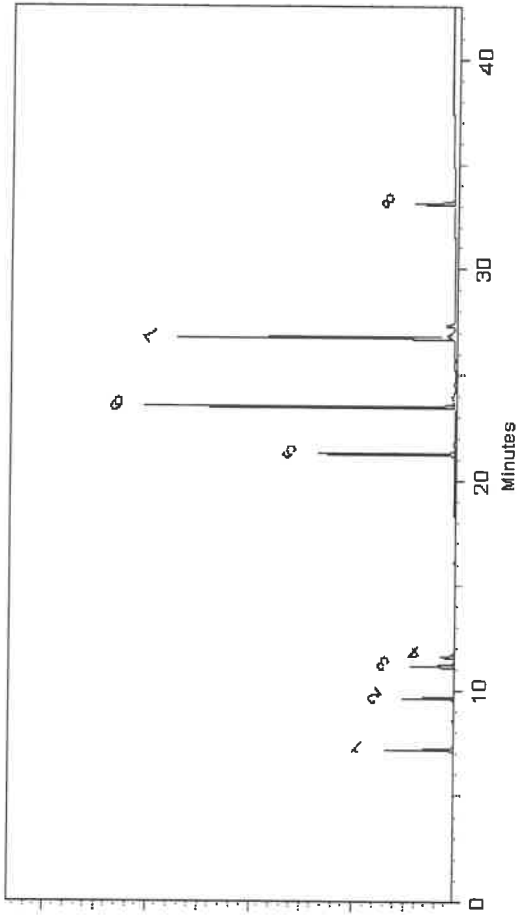
ECD

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



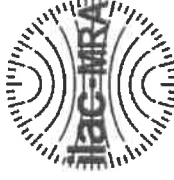
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

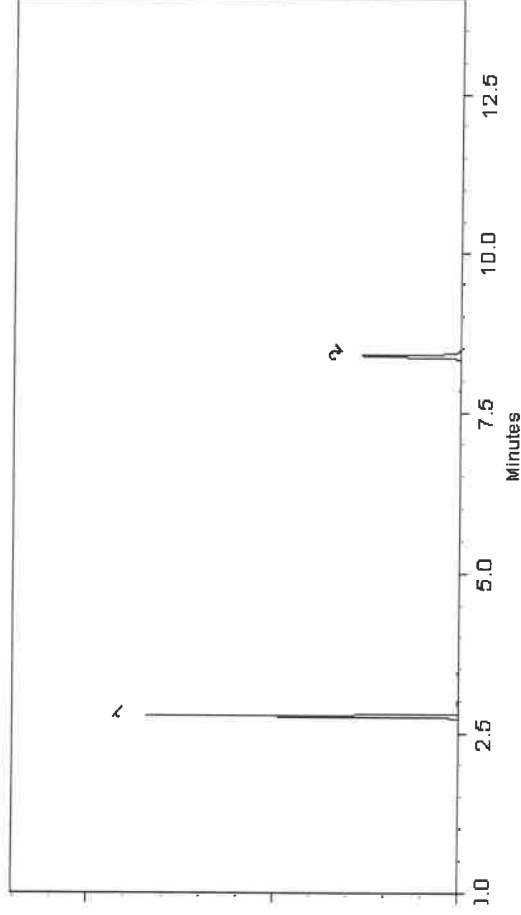
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



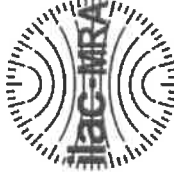
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

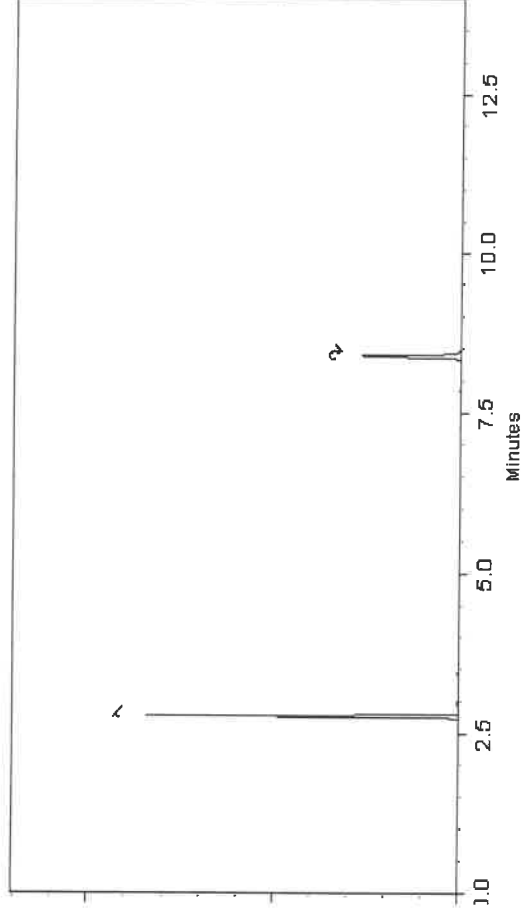
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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:

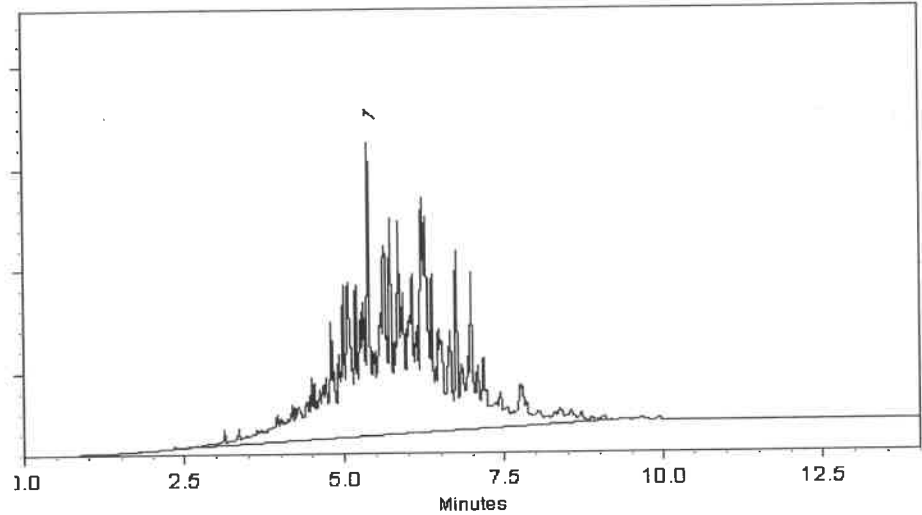
ECD

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

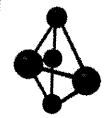

Christie Mills - Operations Lead Tech - ARM QC

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**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL):

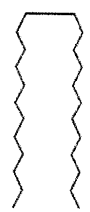
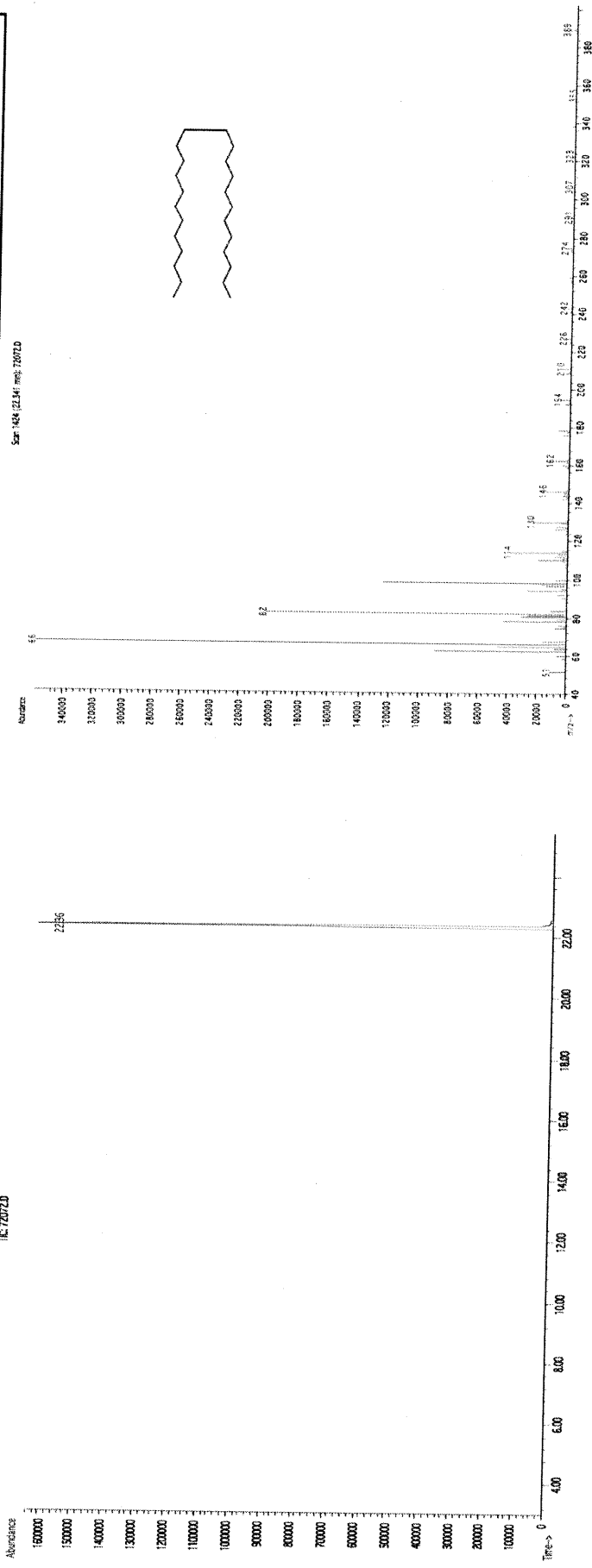
Solvent(s): **Methylene chloride**
Lot#: **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

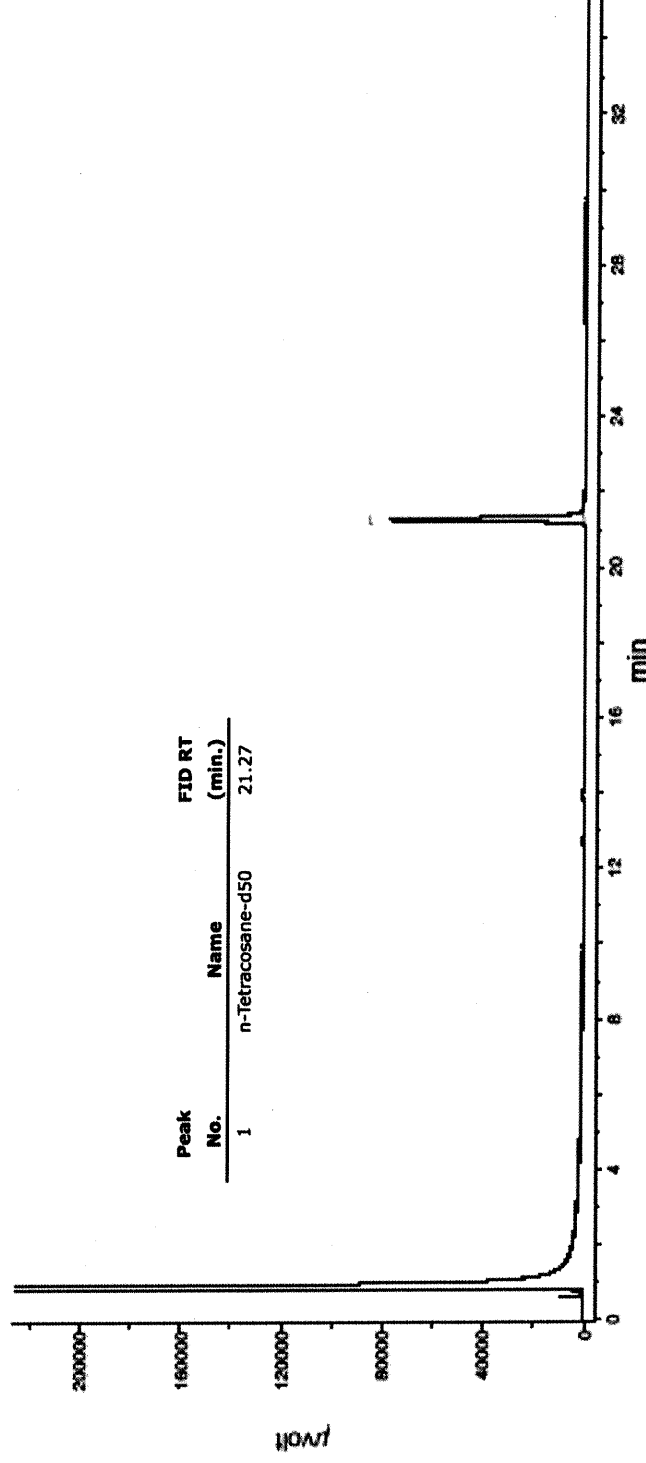
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING 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:

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

BILL TO: AECOM PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Rob Forstner PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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 Hexachloro
5. Dioxin
6. Grain Size
7. TOCs
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	PR132-DP3-202S1021	S		X	10/21	9:20	11	X	X	X	X	X	X	X	X		
2.	PR132-S11-010080-202S1021	S		X	10/21	9:15	11	X	X	X	X	X	X	X	X		
3.	PR132-S14-000094-202S1021	S		X	10/21	9:25	11	X	X	X	X	X	X	X	X		
4.	Temp Blank	A			10/21		1	X	X	X	X	X	/		X		
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Jim Alderson</u>	DATE/TIME: <u>10/21/25 4:30</u>	RECEIVED BY: <u>[Signature]</u> <u>1635</u> <u>10-21-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.0</u> °C Comments:
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10-21-25</u>	RECEIVED BY: 3.	

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 : Q3424	Order Date : 10/22/2025 11:34:00 AM	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 : 10/21/2025 5:40:00 PM	EDD Type : EQUIS
Invoice Name : AECOM	Purchase Order :	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
Q3424-01	PR132-DP3-20251021	Solid	10/21/2025	09:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3424-02	PR132-S11-010080-20251021	Solid	10/21/2025	09:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3424-03	PR132-S14- ⁰⁰⁰⁰⁹⁴ ~~00094~~ -20251021	Solid	10/21/2025	09:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 10/22/25 1245

Received By : 

Date / Time : 10/22/25 1245

Storage Area : VOA Refridgerator Room