

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 916

WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410

ORDER ID : Q3179
ATTENTION : Smita Sumbaly



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3179

Project ID : RFP 916

Client : Weston Solutions, Inc.

Lab Sample Number

Q3179-01
Q3179-02
Q3179-03

Client Sample Number

EME-TS14-01
EME-TS14-01MS
EME-TS14-01MSD

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: 10/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 916

Project # N/A

Order ID # Q3179

Test Name: SPLP Pesticide

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 09/23/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP Metals, SPLP PCB, SPLP Pesticide, SPLP VOA and SPLP ZHE Ext. This data package contains results for SPLP Pesticide.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

F. Manual Integration Comments:

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3179

MATRIX: Solid

METHOD: 8081B/3541

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

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3179

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: 10/02/2025

LAB CHRONICLE

OrderID:	Q3179	OrderDate:	9/24/2025 11:08:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 916
Contact:	Smita Sumbaly	Location:	J42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3179-01	EME-TS14-01	Water			09/23/25			09/23/25
			EPH	NJEPH		09/29/25	09/29/25	
			SPLP PCB	8082A		09/29/25	09/29/25	
			SPLP Pesticide	8081B		09/29/25	09/29/25	

Hit Summary Sheet
SW-846

SDG No.: Q3179

Order ID: Q3179

Client: Weston Solutions, Inc.

Project ID: RFP 916

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

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: Q3179

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090327.D	PIBLK-PD090327.D	Decachlorobiphen	1	20	17.6	88		57	171
		Tetrachloro-m-xyl	1	20	16.5	83		61	148
		Decachlorobiphen	2	20	17.2	86		57	171
		Tetrachloro-m-xyl	2	20	16.9	85		61	148
I.BLK-PD090416.D	PIBLK-PD090416.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	19.3	97		61	148
		Decachlorobiphen	2	20	17.3	87		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
PB169882BL	PB169882BL	Decachlorobiphen	1	20	27.5	137		57	171
		Tetrachloro-m-xyl	1	20	26.2	131		61	148
		Decachlorobiphen	2	20	26.0	130		57	171
		Tetrachloro-m-xyl	2	20	26.9	134		61	148
PB169882BS	PB169882BS	Decachlorobiphen	1	20	23.2	116		57	171
		Tetrachloro-m-xyl	1	20	23.9	120		61	148
		Decachlorobiphen	2	20	22.4	112		57	171
		Tetrachloro-m-xyl	2	20	23.8	119		61	148
PB169882TB	PB169882TB	Decachlorobiphen	1	20	14.5	72		57	171
		Tetrachloro-m-xyl	1	20	15.5	78		61	148
		Decachlorobiphen	2	20	14.1	70		57	171
		Tetrachloro-m-xyl	2	20	15.2	76		61	148
Q3179-01	EME-TS14-01	Decachlorobiphen	1	20	14.9	74		57	171
		Tetrachloro-m-xyl	1	20	22.0	110		61	148
		Decachlorobiphen	2	20	13.1	65		57	171
		Tetrachloro-m-xyl	2	20	20.5	102		61	148
Q3179-02MS	EME-TS14-01MS	Decachlorobiphen	1	20	15.5	78		57	171
		Tetrachloro-m-xyl	1	20	17.7	88		61	148
		Decachlorobiphen	2	20	13.9	70		57	171
		Tetrachloro-m-xyl	2	20	16.9	84		61	148
Q3179-03MSD	EME-TS14-01MSD	Decachlorobiphen	1	20	14.8	74		57	171
		Tetrachloro-m-xyl	1	20	17.7	88		61	148
		Decachlorobiphen	2	20	13.6	68		57	171
		Tetrachloro-m-xyl	2	20	16.6	83		61	148
I.BLK-PD090431.D	PIBLK-PD090431.D	Decachlorobiphen	1	20	19.8	99		57	171
		Tetrachloro-m-xyl	1	20	20.1	100		61	148
		Decachlorobiphen	2	20	19.1	96		57	171
		Tetrachloro-m-xyl	2	20	19.7	99		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3179 Analytical Method: 8081B
Client: Weston Solutions, Inc. DataFile : PD090429.D

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3179-02MS (Column 1)	Client Sample ID:		EME-TS14-01MS									
	alpha-BHC	0.05	0	0.042	ug/L	83				46	160		
	beta-BHC	0.05	0	0.040	ug/L	79				15	175		
	delta-BHC	0.05	0	0.046	ug/L	92				10	175		
	gamma-BHC (Lindane)	0.05	0	0.045	ug/L	90				60	152		
	Heptachlor	0.05	0	0.038	ug/L	75				56	147		
	Aldrin	0.05	0	0.036	ug/L	72				45	147		
	Heptachlor epoxide	0.05	0	0.041	ug/L	82				77	143		
	Endosulfan I	0.05	0	0.042	ug/L	84				34	157		
	Dieldrin	0.05	0	0.043	ug/L	85				46	155		
	4,4'-DDE	0.05	0	0.041	ug/L	82				36	162		
	Endrin	0.05	0	0.044	ug/L	87				76	144		
	Endosulfan II	0.05	0	0.043	ug/L	87				21	168		
	4,4'-DDD	0.05	0	0.042	ug/L	84				15	175		
	Endosulfan sulfate	0.05	0	0.043	ug/L	85				14	183		
	4,4'-DDT	0.05	0	0.044	ug/L	87				15	175		
	Methoxychlor	0.05	0	0.045	ug/L	90				70	142		
	Endrin ketone	0.05	0	0.044	ug/L	87				25	172		
	Endrin aldehyde	0.05	0	0.044	ug/L	88				28	175		
	alpha-Chlordane	0.05	0	0.040	ug/L	80				34	160		
	gamma-Chlordane	0.05	0	0.039	ug/L	78				31	163		
Lab Sample ID:	Q3179-02MS (Column 2)	Client Sample ID:		EME-TS14-01MS									
	alpha-BHC	0.05	0	0.040	ug/L	79				46	160		
	beta-BHC	0.05	0	0.042	ug/L	83				15	175		
	delta-BHC	0.05	0	0.039	ug/L	78				10	175		
	gamma-BHC (Lindane)	0.05	0	0.039	ug/L	78				60	152		
	Heptachlor	0.05	0	0.037	ug/L	74				56	147		
	Aldrin	0.05	0	0.036	ug/L	71				45	147		
	Heptachlor epoxide	0.05	0	0.042	ug/L	84				77	143		
	Endosulfan I	0.05	0	0.040	ug/L	80				34	157		
	Dieldrin	0.05	0	0.040	ug/L	80				46	155		
	4,4'-DDE	0.05	0	0.038	ug/L	77				36	162		
	Endrin	0.05	0	0.040	ug/L	80				76	144		
	Endosulfan II	0.05	0	0.040	ug/L	80				21	168		
	4,4'-DDD	0.05	0	0.039	ug/L	78				15	175		
	Endosulfan sulfate	0.05	0	0.040	ug/L	80				14	183		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3179</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090429.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
		Result	Result							High		
4,4'-DDT	0.05	0	0.040	ug/L	80				15	175		
Methoxychlor	0.05	0	0.040	ug/L	80				70	142		
Endrin ketone	0.05	0	0.038	ug/L	77				25	172		
Endrin aldehyde	0.05	0	0.042	ug/L	83				28	175		
alpha-Chlordane	0.05	0	0.039	ug/L	78				34	160		
gamma-Chlordane	0.05	0	0.039	ug/L	78				31	163		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3179</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090430.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3179-03MSD	Client Sample ID:		EME-TS14-01MSD									
	(Column 1)												
	alpha-BHC	0.05	0	0.042	ug/L	84		1		46	160		20
	beta-BHC	0.05	0	0.040	ug/L	80		1		15	175		20
	delta-BHC	0.05	0	0.042	ug/L	84		9		10	175		20
	gamma-BHC (Lindane)	0.05	0	0.041	ug/L	82		9		60	152		20
	Heptachlor	0.05	0	0.037	ug/L	74		1		56	147		20
	Aldrin	0.05	0	0.035	ug/L	70		3		45	147		22
	Heptachlor epoxide	0.05	0	0.040	ug/L	80		2		77	143		20
	Endosulfan I	0.05	0	0.042	ug/L	84		0		34	157		20
	Dieldrin	0.05	0	0.042	ug/L	85		0		46	155		20
	4,4'-DDE	0.05	0	0.040	ug/L	81		1		36	162		20
	Endrin	0.05	0	0.043	ug/L	87		0		76	144		20
	Endosulfan II	0.05	0	0.043	ug/L	86		1		21	168		20
	4,4'-DDD	0.05	0	0.042	ug/L	84		0		15	175		20
	Endosulfan sulfate	0.05	0	0.043	ug/L	85		0		14	183		20
	4,4'-DDT	0.05	0	0.043	ug/L	86		1		15	175		20
	Methoxychlor	0.05	0	0.044	ug/L	88		2		70	142		20
	Endrin ketone	0.05	0	0.044	ug/L	87		0		25	172		20
	Endrin aldehyde	0.05	0	0.044	ug/L	88		0		28	175		20
	alpha-Chlordane	0.05	0	0.041	ug/L	82		2		34	160		20
	gamma-Chlordane	0.05	0	0.038	ug/L	75		4		31	163		20
Lab Sample ID:	Q3179-03MSD	Client Sample ID:		EME-TS14-01MSD									
	(Column 2)												
	alpha-BHC	0.05	0	0.040	ug/L	80		1		46	160		20
	beta-BHC	0.05	0	0.041	ug/L	82		1		15	175		20
	delta-BHC	0.05	0	0.039	ug/L	79		1		10	175		20
	gamma-BHC (Lindane)	0.05	0	0.040	ug/L	80		3		60	152		20
	Heptachlor	0.05	0	0.035	ug/L	71		4		56	147		20
	Aldrin	0.05	0	0.034	ug/L	69		3		45	147		22
	Heptachlor epoxide	0.05	0	0.045	ug/L	89		6		77	143		20
	Endosulfan I	0.05	0	0.040	ug/L	80		0		34	157		20
	Dieldrin	0.05	0	0.040	ug/L	79		1		46	155		20
	4,4'-DDE	0.05	0	0.038	ug/L	76		1		36	162		20
	Endrin	0.05	0	0.040	ug/L	80		0		76	144		20
	Endosulfan II	0.05	0	0.040	ug/L	80		0		21	168		20
	4,4'-DDD	0.05	0	0.039	ug/L	78		0		15	175		20
	Endosulfan sulfate	0.05	0	0.040	ug/L	80		0		14	183		20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3179</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090430.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	0.05	0	0.040	ug/L	79		1		15	175	20
Methoxychlor	0.05	0	0.040	ug/L	80		0		70	142	20
Endrin ketone	0.05	0	0.039	ug/L	77		0		25	172	20
Endrin aldehyde	0.05	0	0.042	ug/L	83		0		28	175	20
alpha-Chlordane	0.05	0	0.038	ug/L	77		1		34	160	20
gamma-Chlordane	0.05	0	0.038	ug/L	76		3		31	163	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3179</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>PD090423.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169882BS (Column 1)	alpha-BHC	0.05	0.049	ug/L	98				85	130	
	beta-BHC	0.05	0.046	ug/L	92				83	126	
	delta-BHC	0.05	0.049	ug/L	98				69	141	
	gamma-BHC (Lindane)	0.05	0.048	ug/L	96				82	129	
	Heptachlor	0.05	0.050	ug/L	99				79	127	
	Aldrin	0.05	0.049	ug/L	97				79	126	
	Heptachlor epoxide	0.05	0.048	ug/L	96				81	124	
	Endosulfan I	0.05	0.048	ug/L	95				85	122	
	Dieldrin	0.05	0.049	ug/L	98				83	125	
	4,4'-DDE	0.05	0.049	ug/L	97				80	127	
	Endrin	0.05	0.051	ug/L	101				81	128	
	Endosulfan II	0.05	0.050	ug/L	101				82	123	
	4,4'-DDD	0.05	0.051	ug/L	102				77	131	
	Endosulfan sulfate	0.05	0.048	ug/L	96				76	129	
	4,4'-DDT	0.05	0.049	ug/L	97				80	133	
	Methoxychlor	0.05	0.053	ug/L	107				78	108	
	Endrin ketone	0.05	0.048	ug/L	96				80	131	
	Endrin aldehyde	0.05	0.051	ug/L	103				82	127	
	alpha-Chlordane	0.05	0.045	ug/L	89				82	125	
	gamma-Chlordane	0.05	0.046	ug/L	92				82	125	
PB169882BS (Column 2)	alpha-BHC	0.05	0.047	ug/L	93				85	130	
	beta-BHC	0.05	0.046	ug/L	92				83	126	
	delta-BHC	0.05	0.046	ug/L	93				69	141	
	gamma-BHC (Lindane)	0.05	0.047	ug/L	93				82	129	
	Heptachlor	0.05	0.047	ug/L	94				79	127	
	Aldrin	0.05	0.047	ug/L	93				79	126	
	Heptachlor epoxide	0.05	0.057	ug/L	113				81	124	
	Endosulfan I	0.05	0.044	ug/L	88				85	122	
	Dieldrin	0.05	0.046	ug/L	91				83	125	
	4,4'-DDE	0.05	0.047	ug/L	93				80	127	
	Endrin	0.05	0.050	ug/L	99				81	128	
	Endosulfan II	0.05	0.046	ug/L	92				82	123	
	4,4'-DDD	0.05	0.046	ug/L	92				77	131	
	Endosulfan sulfate	0.05	0.046	ug/L	91				76	129	
	4,4'-DDT	0.05	0.046	ug/L	93				80	133	
	Methoxychlor	0.05	0.046	ug/L	93				78	108	
	Endrin ketone	0.05	0.051	ug/L	103				80	131	
	Endrin aldehyde	0.05	0.048	ug/L	97				82	127	
	alpha-Chlordane	0.05	0.046	ug/L	92				82	125	
	gamma-Chlordane	0.05	0.046	ug/L	92				82	125	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169882BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: PB169882BL

Lab File ID: PD090422.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/29/2025

Date Analyzed (1): 09/29/2025

Date Analyzed (2): 09/29/2025

Time Analyzed (1): 17:24

Time Analyzed (2): 17:24

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
PB169882BS	PB169882BS	PD090423.D	09/29/2025	09/29/2025
PB169882TB	PB169882TB	PD090424.D	09/29/2025	09/29/2025
EME-TS14-01	Q3179-01	PD090428.D	09/29/2025	09/29/2025
EME-TS14-01MS	Q3179-02MS	PD090429.D	09/29/2025	09/29/2025
EME-TS14-01MSD	Q3179-03MSD	PD090430.D	09/29/2025	09/29/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	09/29/25
Client Sample ID:	PB169882TB	SDG No.:	Q3179
Lab Sample ID:	PB169882TB	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090424.D	1	09/29/25 09:45	09/29/25 17:51	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.00040	U	0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.00050	U	0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.0011	U	0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.00030	U	0.00030	0.0050	ug/L
309-00-2	Aldrin	0.00040	U	0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.0010	U	0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.00030	U	0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.00040	U	0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.00040	U	0.00040	0.0050	ug/L
72-20-8	Endrin	0.00030	U	0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.00080	U	0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.00070	U	0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.00090	U	0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.0011	U	0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.00040	U	0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.00040	U	0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		57 - 171	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.5		61 - 148	78%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	09/29/25
Client Sample ID:	PB169882TB	SDG No.:	Q3179
Lab Sample ID:	PB169882TB	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090424.D	1	09/29/25 09:45	09/29/25 17:51	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 17:51
Operator : AR\AJ
Sample : PB169882TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169882TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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	50498496	417.3E6	15.536	15.201
28)	SA Decachlor...	9.064	8.061	69815236	456.0E6	14.469	14.069

Target Compounds

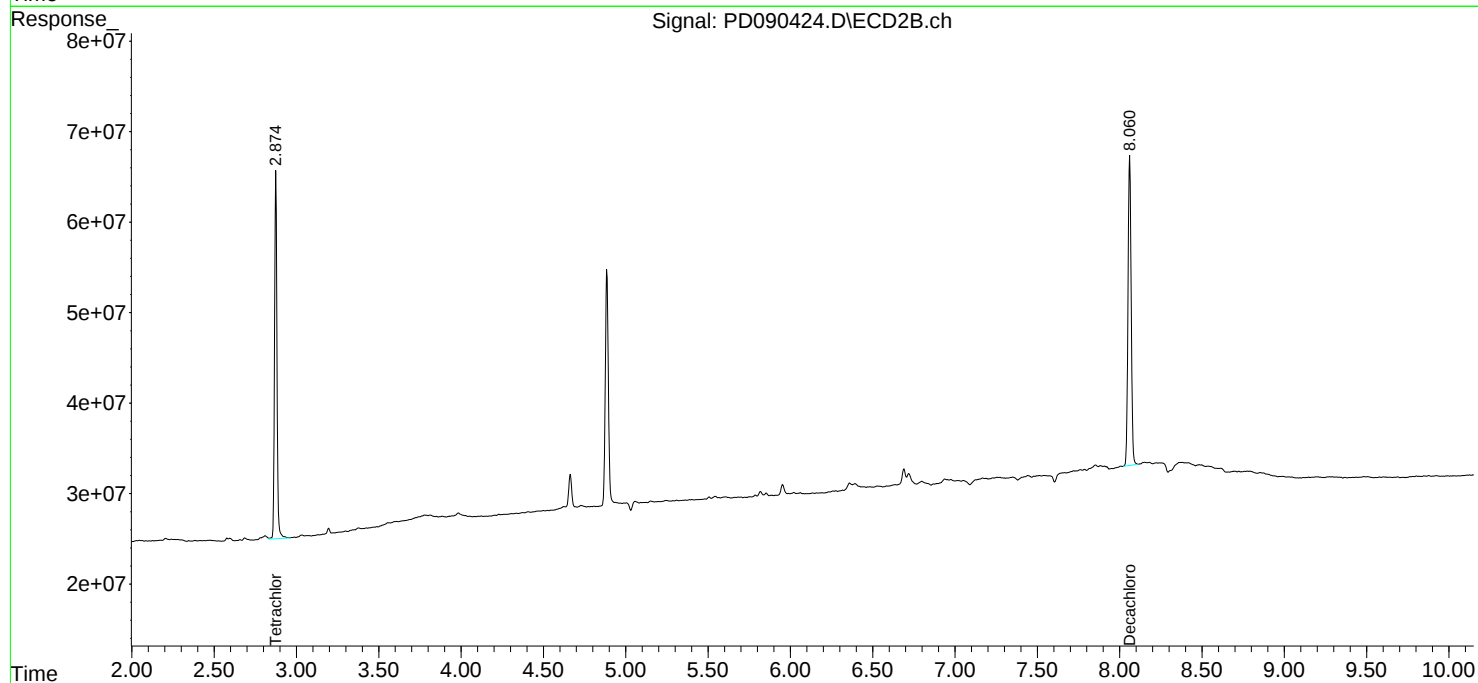
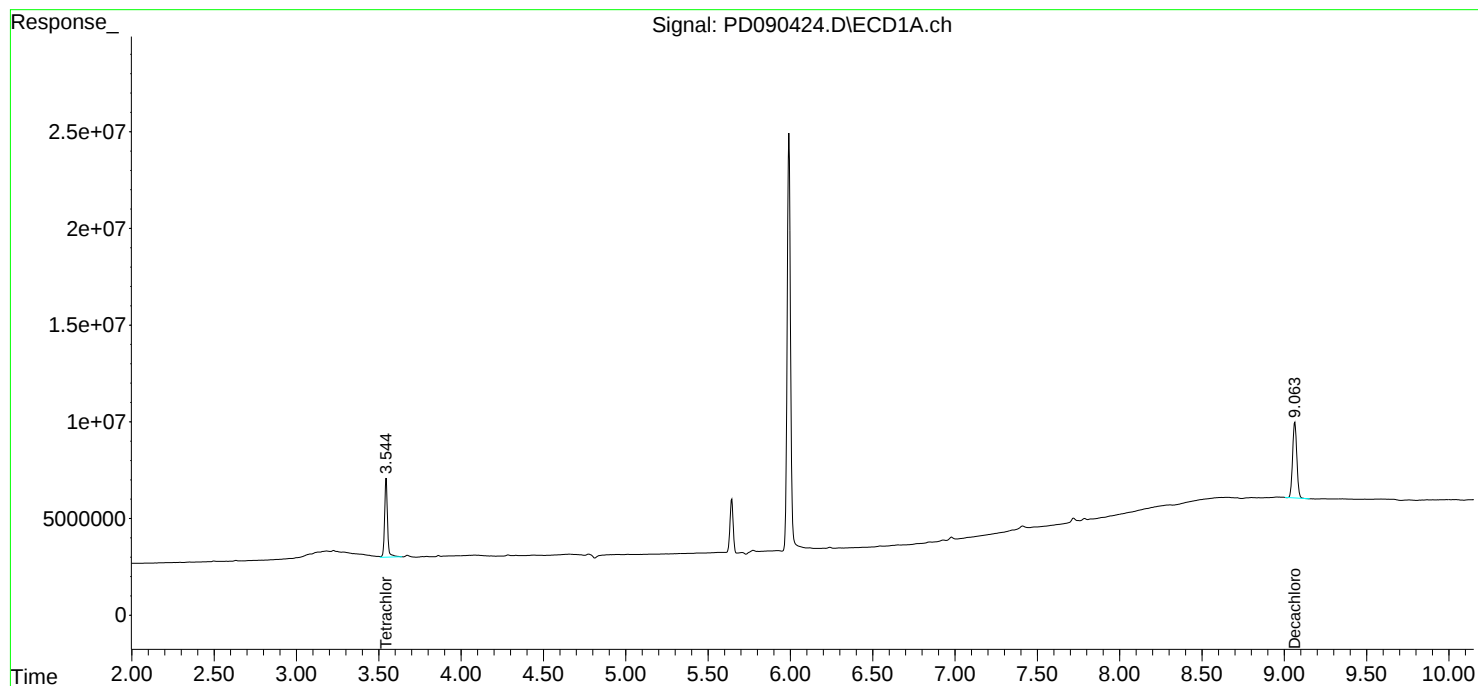
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

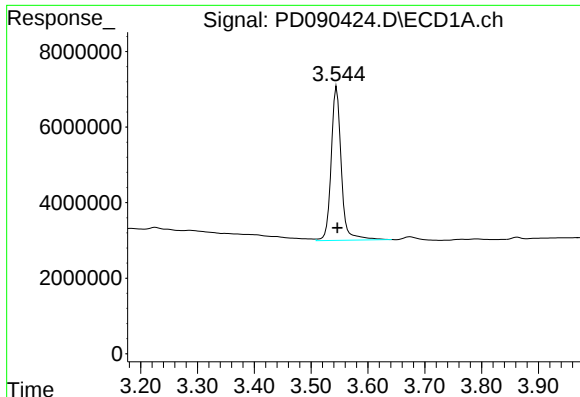
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 17:51
Operator : AR\AJ
Sample : PB169882TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169882TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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

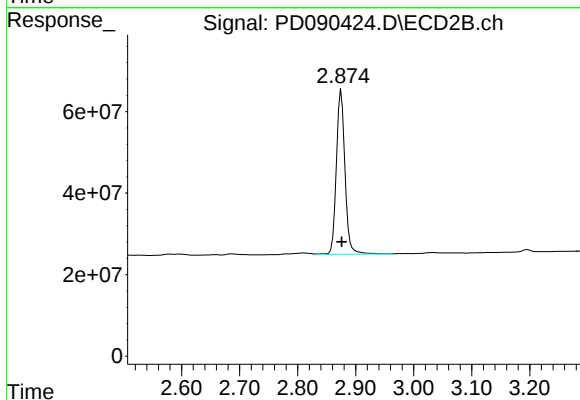




#1 Tetrachloro-m-xylene

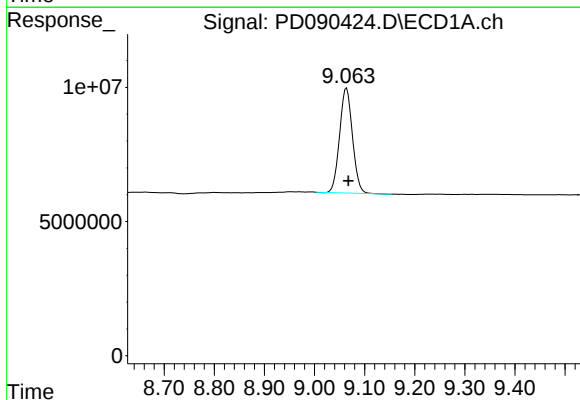
R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 50498496
Conc: 15.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882TB



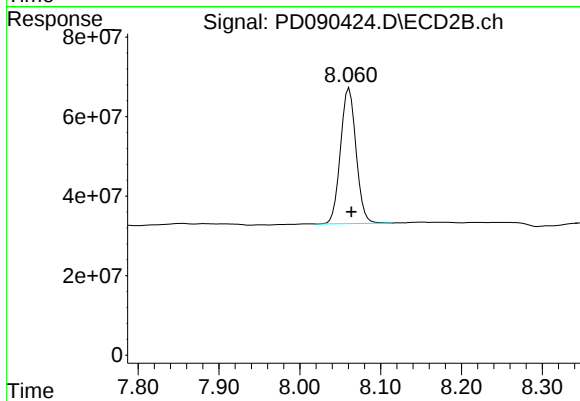
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 417257210
Conc: 15.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.004 min
Response: 69815236
Conc: 14.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 456043350
Conc: 14.07 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3179
Lab Sample ID:	Q3179-01	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090428.D	1	09/29/25 09:45	09/29/25 18:46	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.00040	U	0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.00050	U	0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.0011	U	0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.00030	U	0.00030	0.0050	ug/L
309-00-2	Aldrin	0.00040	U	0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.0010	U	0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.00030	U	0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.00040	U	0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.00040	U	0.00040	0.0050	ug/L
72-20-8	Endrin	0.00030	U	0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.00080	U	0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.00070	U	0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.00090	U	0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.0011	U	0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.00040	U	0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.00040	U	0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.9		57 - 171	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		61 - 148	110%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3179
Lab Sample ID:	Q3179-01	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090428.D	1	09/29/25 09:45	09/29/25 18:46	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090428.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 18:46
 Operator : AR\AJ
 Sample : Q3179-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 EME-TS14-01

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/30/2025
 Supervised By : mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:32:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.876	71587464	561.9E6	22.024	20.468
28) SA Decachlor...	9.063	8.060	71762798	423.3E6	14.873	13.058m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 18:46
Operator : AR\AJ
Sample : Q3179-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

EME-TS14-01

Manual Integrations

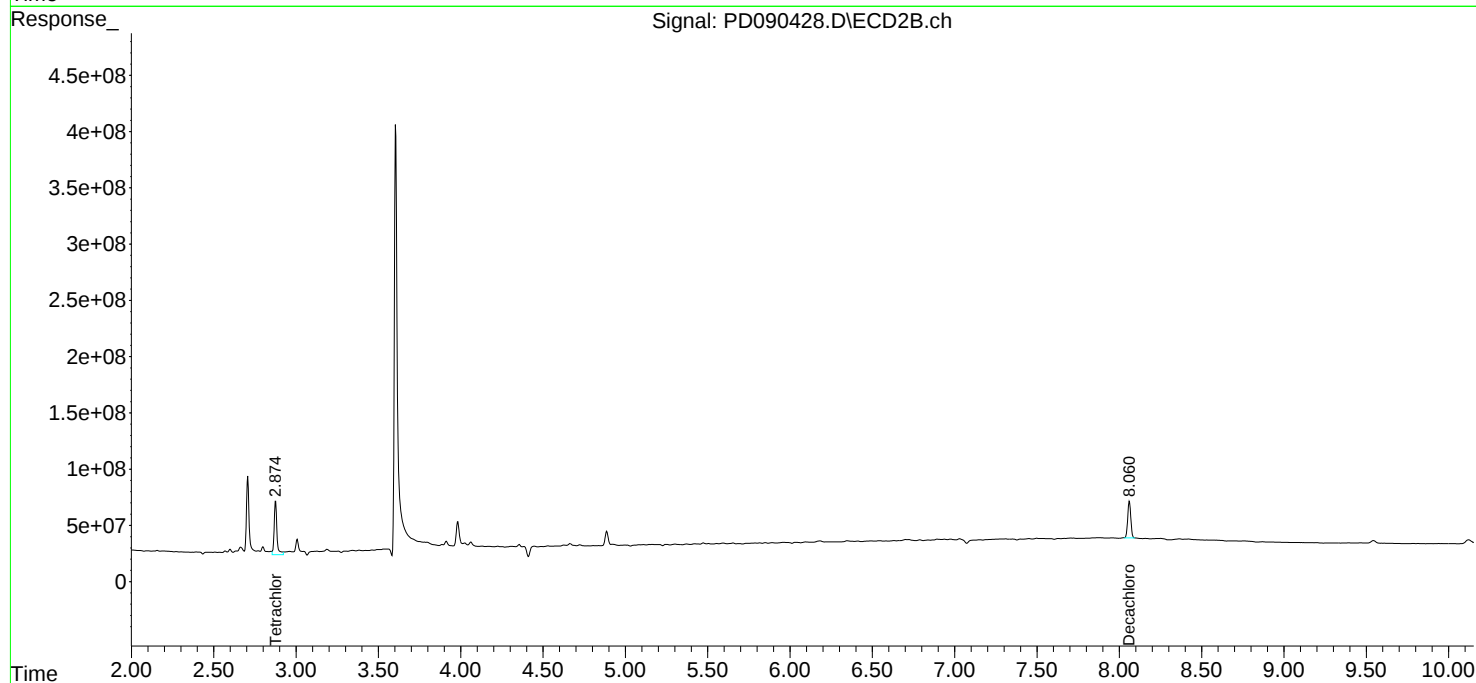
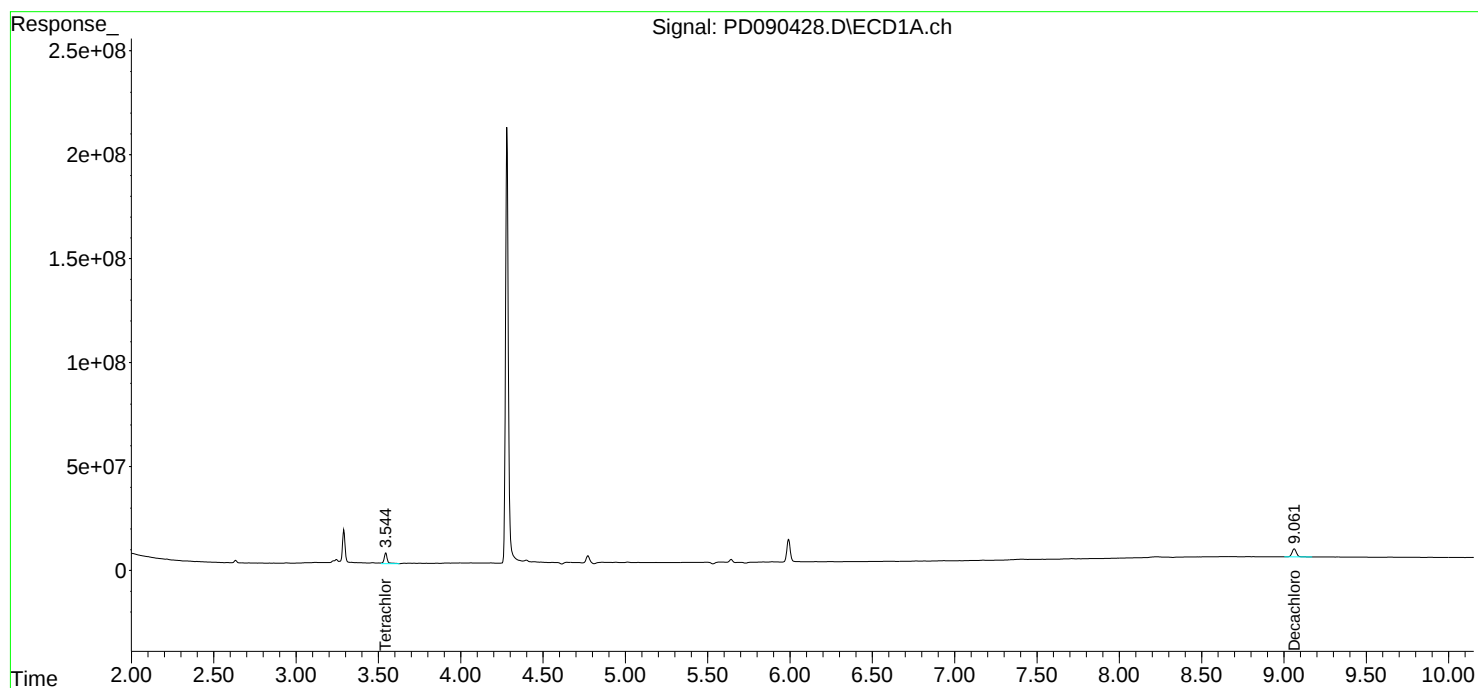
APPROVED

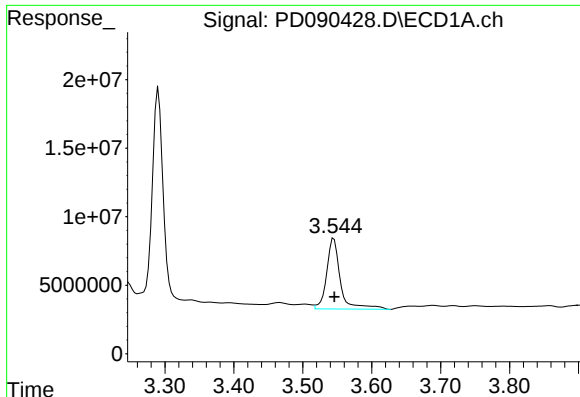
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:32:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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: 71587464
Conc: 22.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

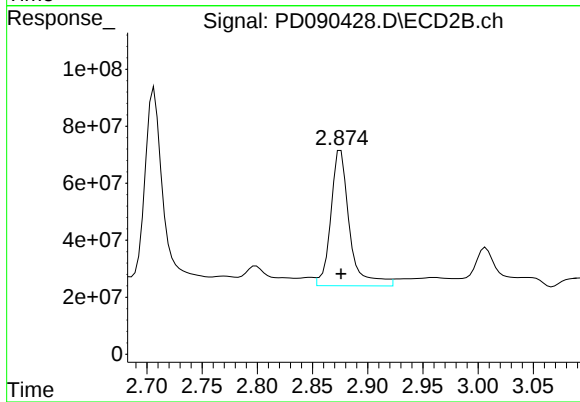
EME-TS14-01

Manual Integrations

APPROVED

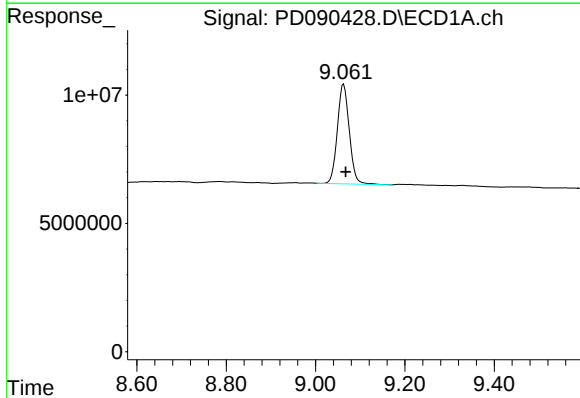
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



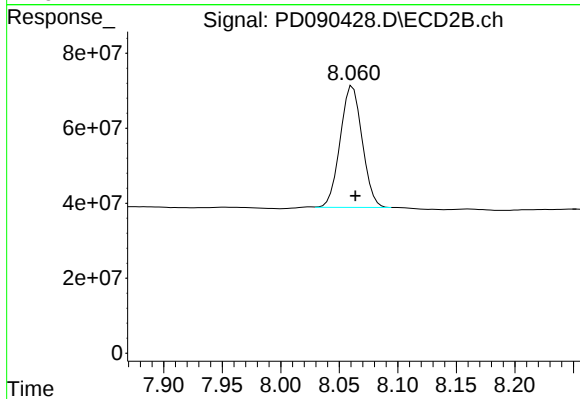
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 561856719
Conc: 20.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 71762798
Conc: 14.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 423275148
Conc: 13.06 ng/ml m



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3179</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

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

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.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	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
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	9.07	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	7.15	7.15	7.15	7.05	7.25
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	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3179</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

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

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.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	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
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	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
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	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
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	6.99	6.98	6.98	6.99	6.99	6.98	6.88	7.08
gamma-BHC (Lindane)	3.73	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	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3179

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4207140000	4130580000	4014010000	3964590000	4172770000	4097820000	3
4,4'-DDE	5374140000	5287370000	5128730000	5024430000	5222910000	5207510000	3
4,4'-DDT	4574330000	4523620000	4372800000	4315380000	4476180000	4452460000	2
Aldrin	6538430000	6445600000	6233910000	6135550000	6396240000	6349940000	3
alpha-BHC	7531750000	7318540000	6929420000	6661110000	6481880000	6984540000	6
alpha-Chlordane	5775350000	5724530000	5604540000	5619990000	6079780000	5760840000	3
beta-BHC	2482280000	2482500000	2464130000	2562370000	2908310000	2579920000	7
Decachlorobiphenyl	4402260000	4491650000	4568910000	4877590000	5784880000	4825060000	12
delta-BHC	6900540000	6743360000	6436800000	6196590000	6010210000	6457500000	6
Dieldrin	5878480000	5813890000	5658660000	5591850000	5880560000	5764690000	2
Endosulfan I	5355870000	5330150000	5246990000	5296210000	5778070000	5401460000	4
Endosulfan II	4863810000	4809890000	4767830000	4731790000	5215710000	4877810000	4
Endosulfan sulfate	4488130000	4504880000	4451040000	4538020000	5019730000	4600360000	5
Endrin	4996080000	4929650000	4790800000	4732630000	5020530000	4893940000	3
Endrin aldehyde	3278170000	3320750000	3308650000	3392630000	3852740000	3430590000	7
Endrin ketone	4890930000	4897630000	4794420000	4865030000	5288830000	4947370000	4
gamma-BHC (Lindane)	6999120000	6835130000	6524340000	6332700000	6393110000	6616880000	4
gamma-Chlordane	5813690000	5752510000	5584900000	5550280000	5858310000	5711940000	2
Heptachlor	6772400000	6712800000	6486200000	6442050000	6649430000	6612570000	2
Heptachlor epoxide	5686760000	5637150000	5520680000	5549540000	6180470000	5714920000	5
Methoxychlor	2238390000	2263790000	2253430000	2355450000	2671490000	2356510000	8
Tetrachloro-m-xylene	3132360000	3130620000	3109950000	3314170000	3565160000	3250450000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3179

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	30304900000	30692500000	31009200000	32903500000	37228900000	32427800000	9
4,4'-DDE	36124200000	36272100000	36686200000	38763000000	43549500000	38279000000	8
4,4'-DDT	33099900000	33102400000	33251000000	34736500000	37705500000	34379100000	6
Aldrin	37755900000	38014300000	38272600000	40300100000	45332100000	39935000000	8
alpha-BHC	41983700000	42103500000	41877000000	43751600000	49199100000	43783000000	7
alpha-Chlordane	35496600000	35665700000	35983600000	37925400000	43255100000	37665300000	9
beta-BHC	16104200000	16264800000	16450900000	17520600000	20336000000	17335300000	10
Decachlorobiphenyl	30416300000	30281700000	30308400000	32239300000	38828000000	32414700000	11
delta-BHC	39478300000	39575300000	39625200000	41252800000	46542500000	41294800000	7
Dieldrin	36291200000	36723400000	37358800000	39527500000	44828700000	38945900000	9
Endosulfan I	31926100000	32408300000	33081700000	35241100000	40368600000	34605200000	10
Endosulfan II	31161800000	31580800000	32283100000	34269000000	39458900000	33750700000	10
Endosulfan sulfate	30125200000	30553700000	31128700000	33188100000	38456200000	32690400000	10
Endrin	32764600000	33397800000	34021300000	37450400000	41526700000	35832100000	10
Endrin aldehyde	21653400000	22092600000	22663100000	23908000000	27417000000	23546800000	10
Endrin ketone	33026100000	33493700000	34356800000	36799800000	42838200000	36102900000	11
gamma-BHC (Lindane)	39011200000	39020700000	38893100000	40648000000	46104500000	40735500000	8
gamma-Chlordane	37136200000	37337600000	37533000000	39366900000	45057800000	39286300000	9
Heptachlor	38021400000	38528800000	38887000000	41156300000	46990300000	40716800000	9
Heptachlor epoxide	33658400000	34135100000	34882100000	37203700000	44446000000	36865100000	12
Methoxychlor	15805600000	16152500000	16575000000	17899900000	20568800000	17400400000	11
Tetrachloro-m-xylene	25734100000	25856000000	26010100000	27671900000	31977700000	27449900000	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: ROYF02

Lab Code: ACE SDG NO.: Q3179

Instrument ID: ECD_D Date(s) Analyzed: 09/18/2025 09/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.71	4.61	4.81	204668000
		2	5.24	5.14	5.34	205308000
		3	5.94	5.84	6.04	824953000
		4	6.03	5.93	6.13	997407000
		5	6.87	6.77	6.97	174700000
Toxaphene	500	1	6.24	6.14	6.34	44388200
		2	6.44	6.34	6.54	60483400
		3	7.14	7.04	7.24	113658000
		4	7.56	7.46	7.66	146448000
		5	7.93	7.83	8.03	83400400



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3179

Instrument ID: ECD_D Date(s) Analyzed: 09/18/2025 09/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.90	3.80	4.00	1171880000
		2	4.48	4.38	4.58	1211170000
		3	5.12	5.02	5.22	3662550000
		4	5.18	5.08	5.28	3137810000
		5	6.08	5.98	6.18	1492570000
Toxaphene	500	1	5.47	5.37	5.57	277984000
		2	5.64	5.54	5.74	187173000
		3	6.75	6.65	6.85	940593000
		4	7.19	7.09	7.29	622769000
		5	7.32	7.22	7.42	479062000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:30
 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: Sep 19 05:14:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 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...	3.546	2.876	313.2E6	2573.4E6	100.721	98.939
28)	SA Decachlor...	9.066	8.063	440.2E6	3041.6E6	96.353	100.356
Target Compounds							
2)	A alpha-BHC	3.995	3.388	753.2E6	4198.4E6	108.692	100.255
3)	MA gamma-BHC...	4.326	3.725	699.9E6	3901.1E6	107.277	100.303
4)	MA Heptachlor	4.925	4.077	677.2E6	3802.1E6	104.413	97.774
5)	MB Aldrin	5.266	4.363	653.8E6	3775.6E6	104.885	98.650
6)	B beta-BHC	4.513	4.020	248.2E6	1610.4E6	100.737	97.893
7)	B delta-BHC	4.761	4.257	690.1E6	3947.8E6	107.205	99.629
8)	B Heptachlo...	5.686	4.866	568.7E6	3365.8E6	103.008	96.492
9)	A Endosulfan I	6.070	5.241	535.6E6	3192.6E6	102.075	96.507
10)	B gamma-Chl...	5.941	5.119	581.4E6	3713.6E6	104.097	98.943
11)	B alpha-Chl...	6.022	5.184	577.5E6	3549.7E6	103.048	98.646
12)	B 4,4'-DDE	6.192	5.368	537.4E6	3612.4E6	104.785	98.468
13)	MA Dieldrin	6.342	5.506	587.8E6	3629.1E6	103.885	97.142
14)	MA Endrin	6.570	5.783	499.6E6	3276.5E6	104.285	96.306
15)	B Endosulfa...	6.782	6.074	486.4E6	3116.2E6	102.013	96.527
16)	A 4,4'-DDD	6.701	5.923	420.7E6	3030.5E6	104.811	97.729
17)	MA 4,4'-DDT	7.017	6.177	457.4E6	3310.0E6	104.609	99.546
18)	B Endrin al...	6.911	6.252	327.8E6	2165.3E6	99.079	95.545
19)	B Endosulfa...	7.145	6.476	448.8E6	3012.5E6	100.833	96.776
20)	A Methoxychlor	7.489	6.747	223.8E6	1580.6E6	99.333	95.358
21)	B Endrin ke...	7.626	6.985	489.1E6	3302.6E6	102.013	96.127
22)	Mirex	8.109	7.178	339.1E6	2515.9E6	97.222	97.045

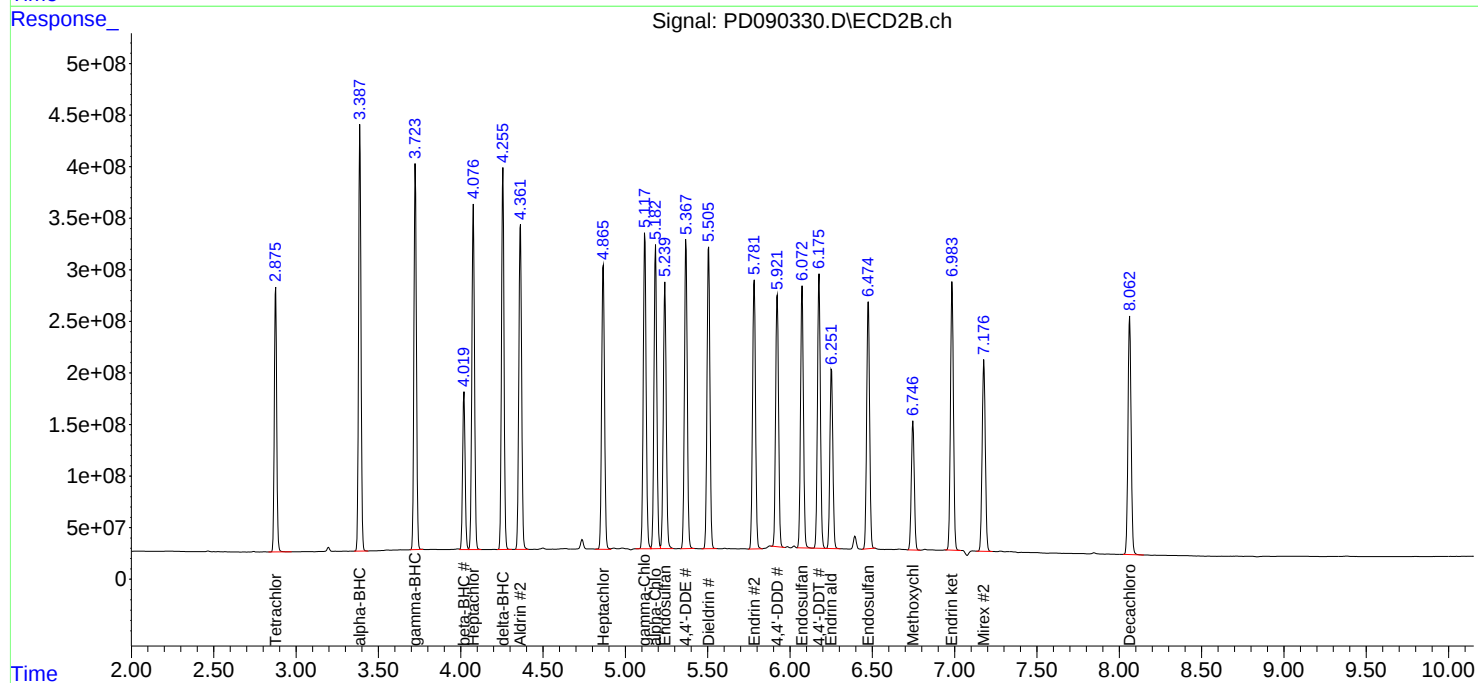
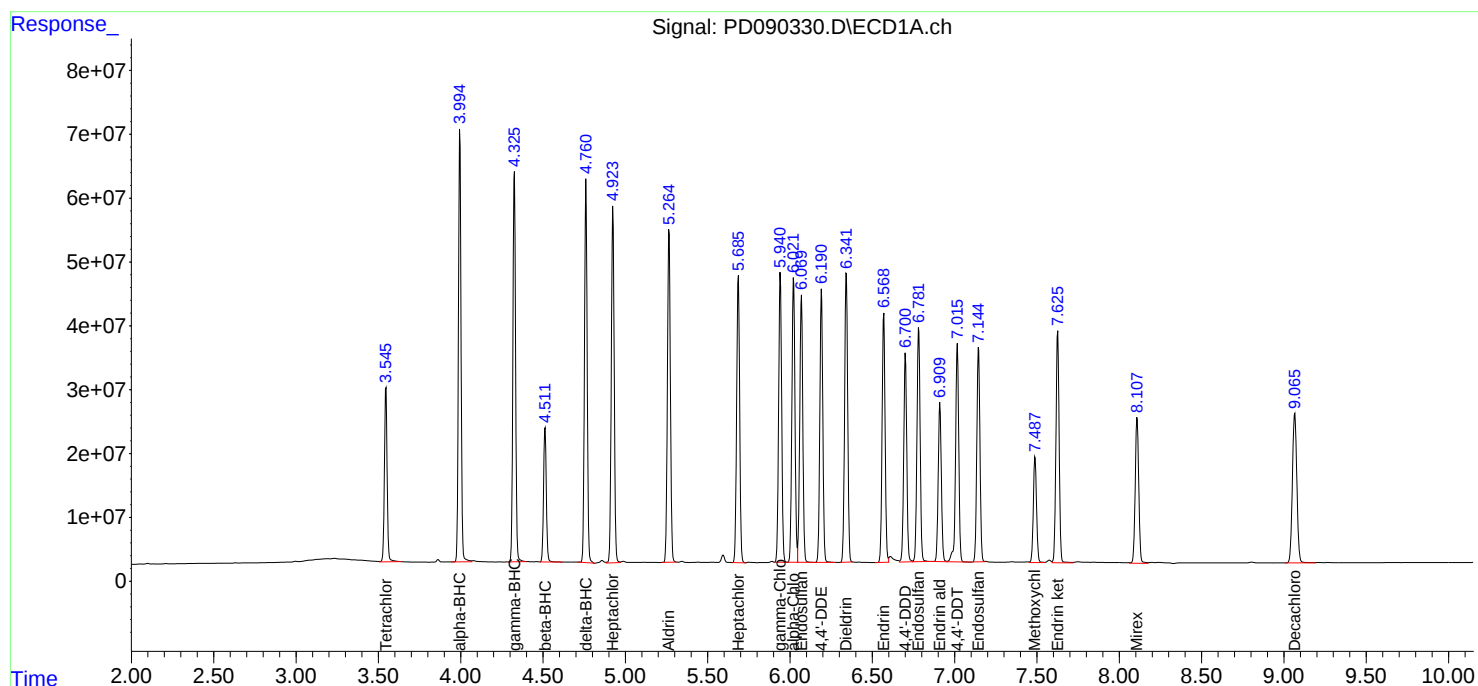
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

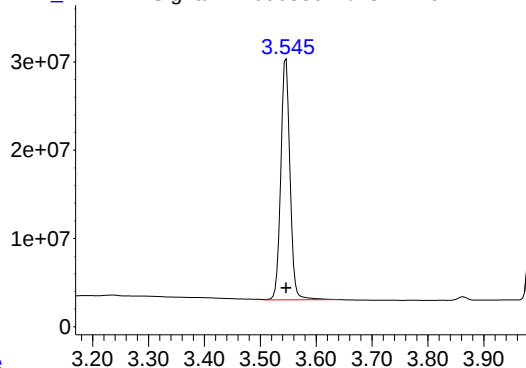
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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: PD090330.D\ECD1A.ch

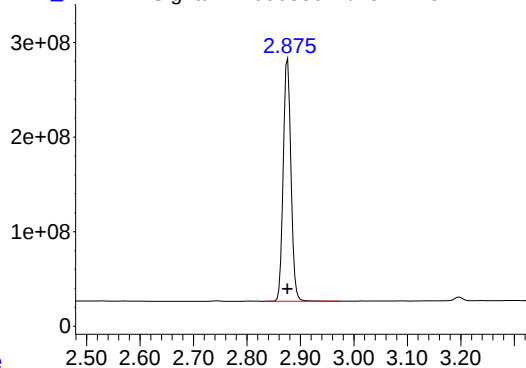


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 313236095
Conc: 100.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

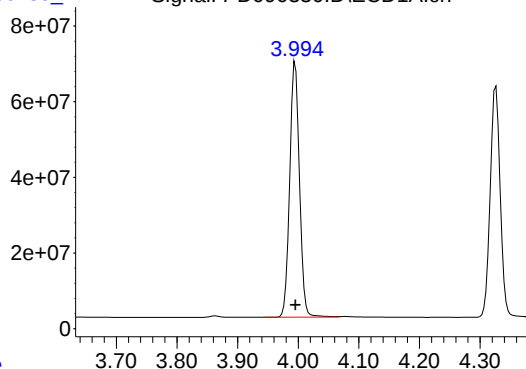
Time Response_ Signal: PD090330.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 2573409929
Conc: 98.94 ng/ml

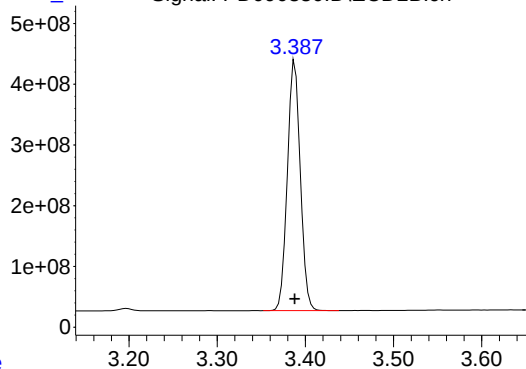
Time Response_ Signal: PD090330.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 753174662
Conc: 108.69 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 4198372530
Conc: 100.25 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 699911882
Conc: 107.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 3901117493
Conc: 100.30 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 677240375
Conc: 104.41 ng/ml

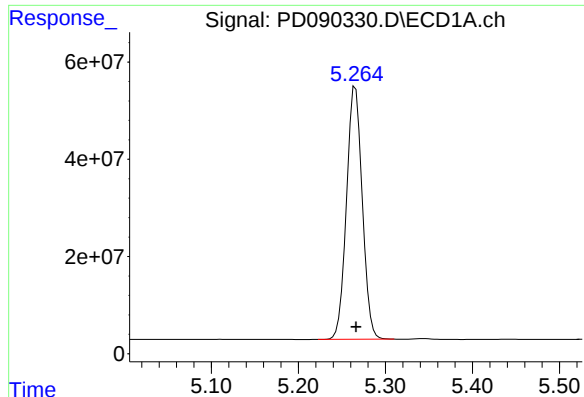
Time

Response_ Signal: PD090330.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 3802136026
Conc: 97.77 ng/ml

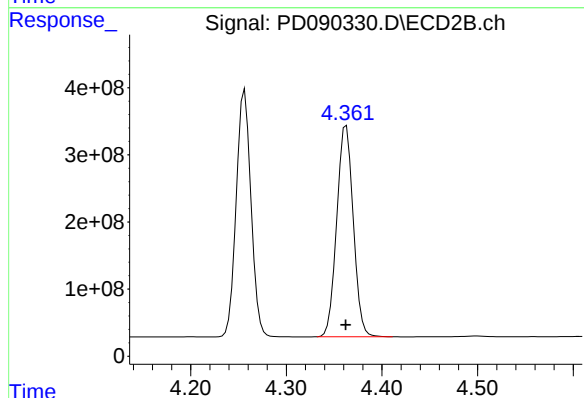
Time



#5 Aldrin

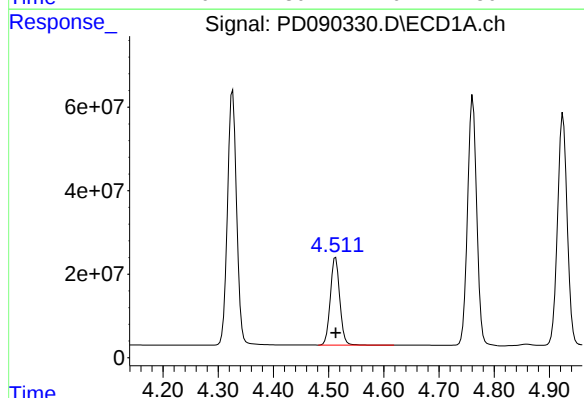
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 653842811
Conc: 104.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



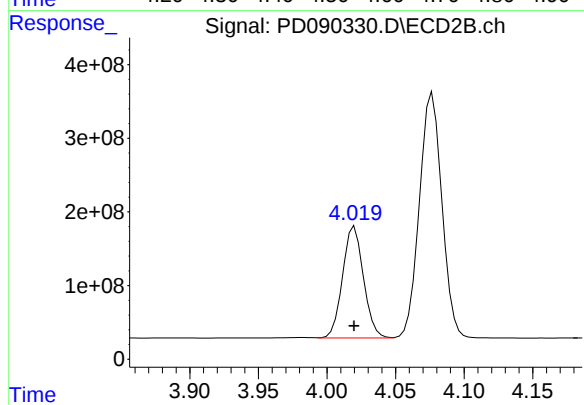
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 3775585422
Conc: 98.65 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 248228452
Conc: 100.74 ng/ml

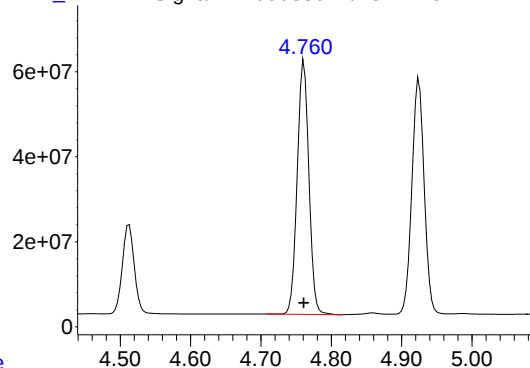


#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1610423474
Conc: 97.89 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#7 delta-BHC

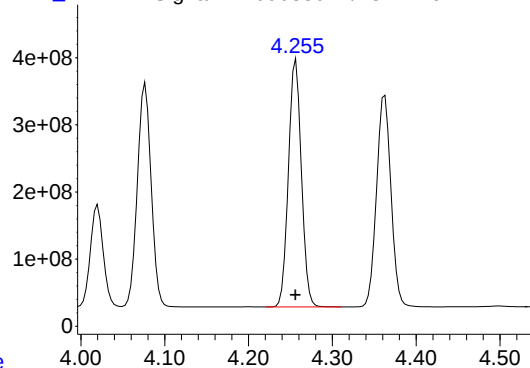


R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 690054443
Conc: 107.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time Response_ Signal: PD090330.D\ECD2B.ch

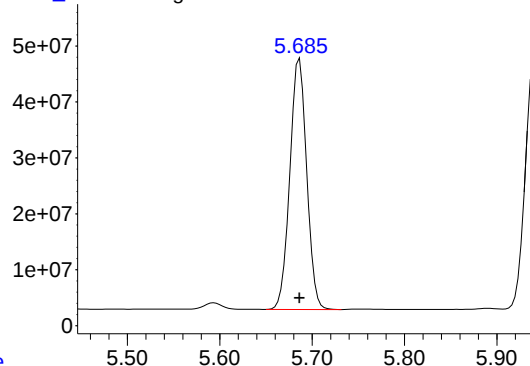
#7 delta-BHC



R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 3947831686
Conc: 99.63 ng/ml

Time Response_ Signal: PD090330.D\ECD1A.ch

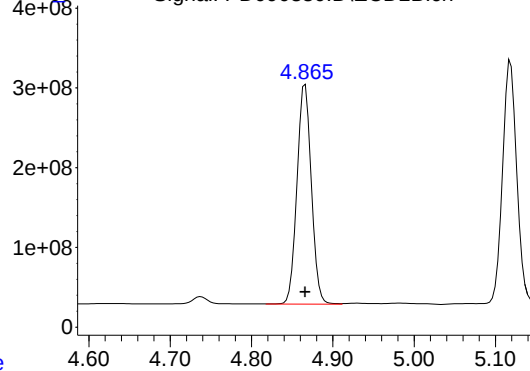
#8 Heptachlor epoxide



R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 568676489
Conc: 103.01 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch

#8 Heptachlor epoxide

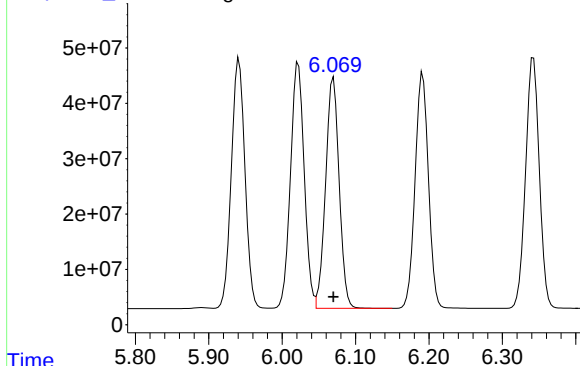


R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 3365839441
Conc: 96.49 ng/ml

Response_

Signal: PD090330.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 535587092
Conc: 102.08 ng/ml

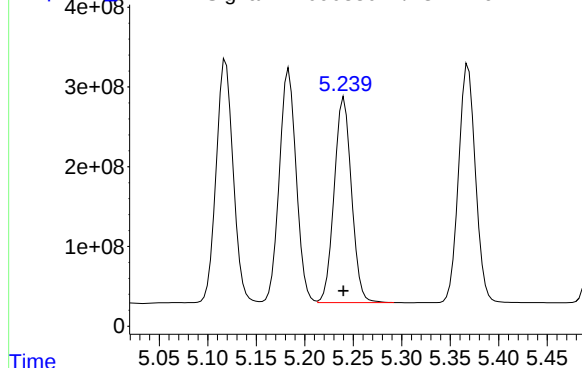
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#9 Endosulfan I



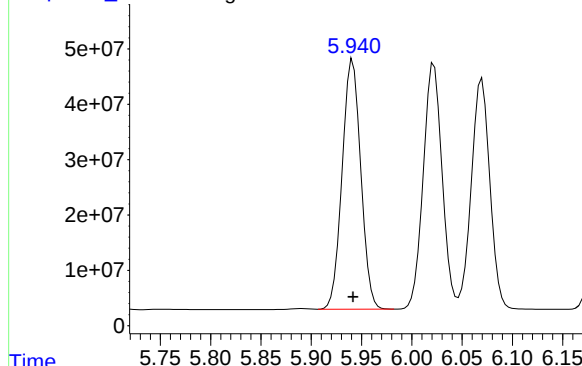
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 3192613538
Conc: 96.51 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#10 gamma-Chlordane



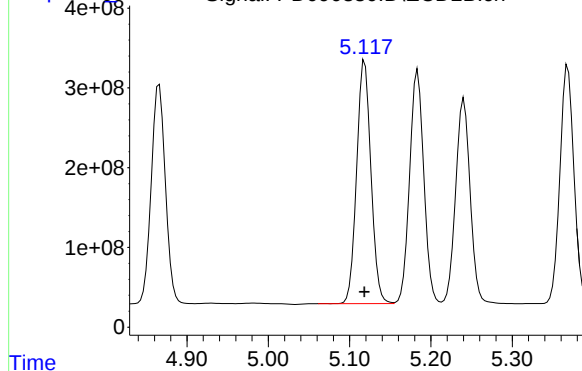
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 581369072
Conc: 104.10 ng/ml

Time

Response

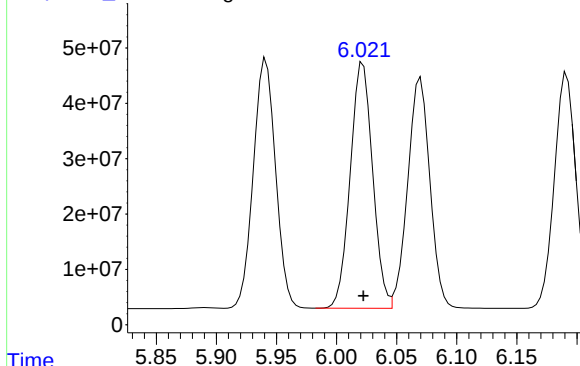
Signal: PD090330.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 3713621770
Conc: 98.94 ng/ml

Time



R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 577534554
Conc: 103.05 ng/ml

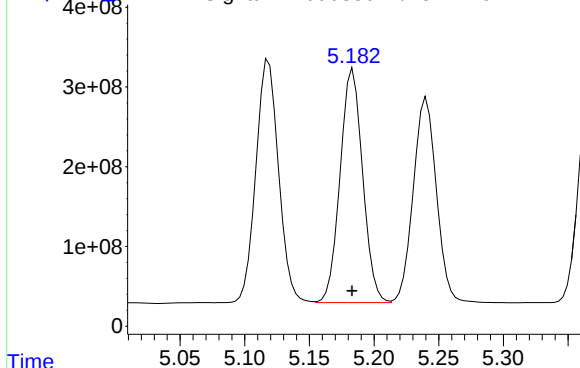
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#11 alpha-Chlordane



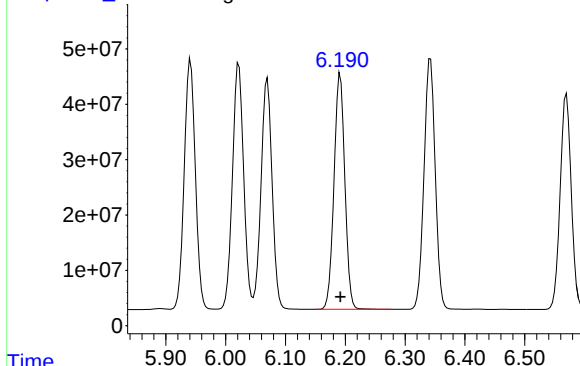
R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 3549655328
Conc: 98.65 ng/ml

Time

Response

Signal: PD090330.D\ECD1A.ch

#12 4,4'-DDE



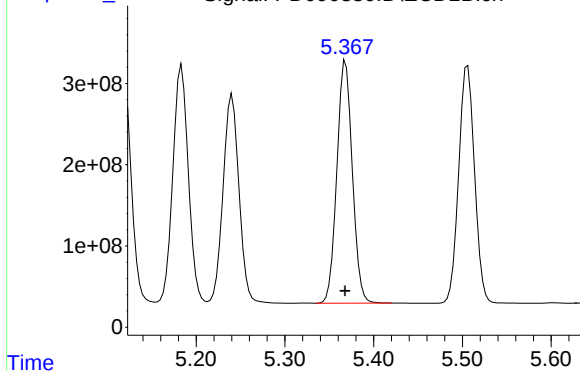
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 537414128
Conc: 104.79 ng/ml

Time

Response

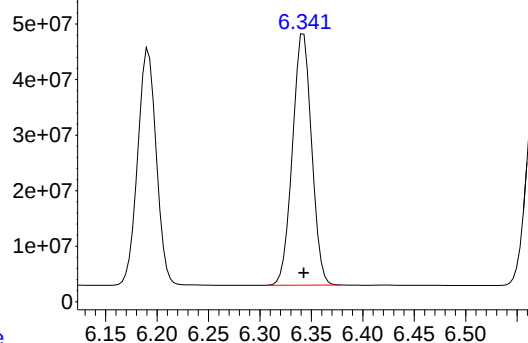
Signal: PD090330.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 3612419195
Conc: 98.47 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

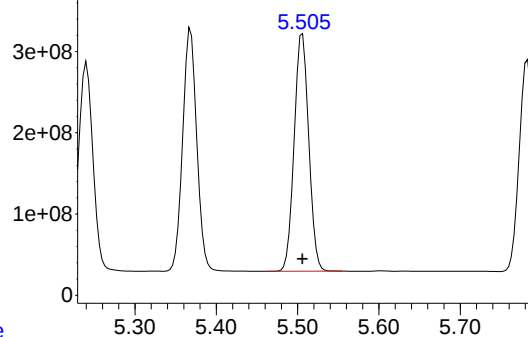


#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 587848394
Conc: 103.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

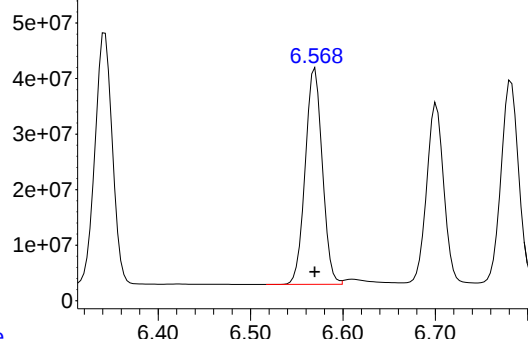
Time Response_ Signal: PD090330.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 3629120609
Conc: 97.14 ng/ml

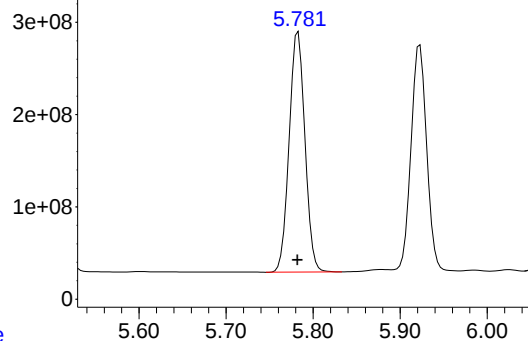
Time Response_ Signal: PD090330.D\ECD1A.ch



#14 Endrin

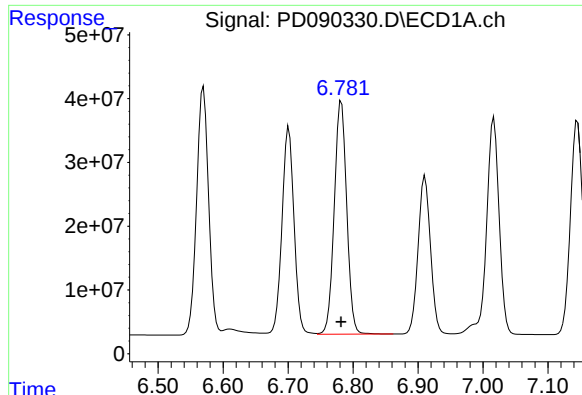
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 499607755
Conc: 104.28 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



#14 Endrin

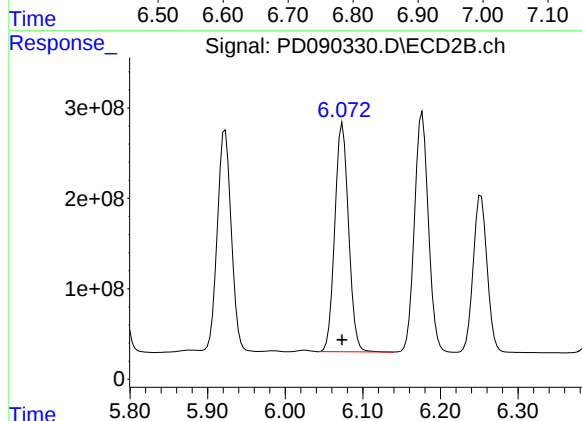
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 3276462498
Conc: 96.31 ng/ml



#15 Endosulfan II

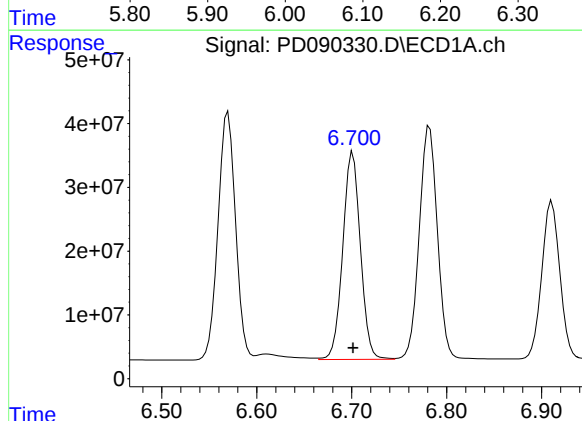
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 486380986
Conc: 102.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



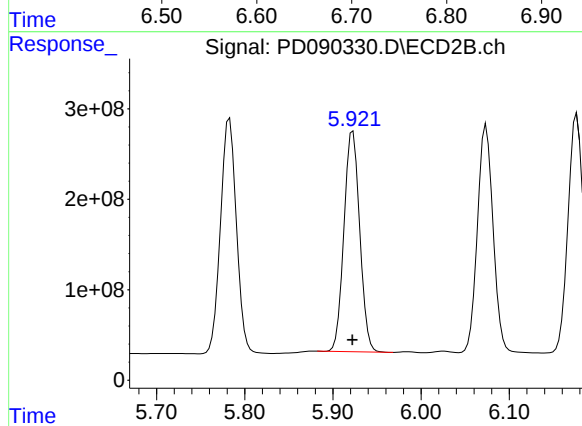
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 3116180321
Conc: 96.53 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 420714006
Conc: 104.81 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 3030486626
Conc: 97.73 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 457432864
Conc: 104.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.001 min
Response: 3309989081
Conc: 99.55 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 327817162
Conc: 99.08 ng/ml

Time

Response_ Signal: PD090330.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 2165337183
Conc: 95.54 ng/ml

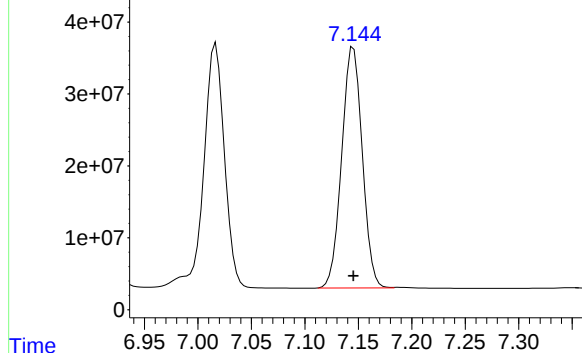
Time

Response_ Signal: PD090330.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 448812546
Conc: 100.83 ng/ml

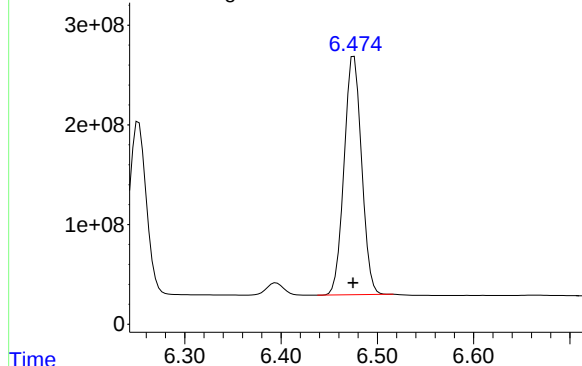
Instrument :
ECD_D
ClientSampleId :
PSTDICC100



Response_ Signal: PD090330.D\ECD2B.ch

#19 Endosulfan Sulfate

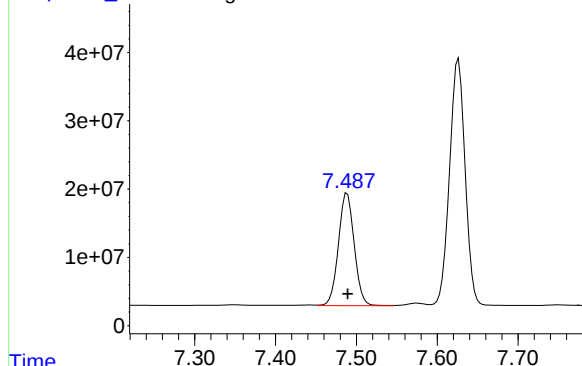
R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 3012520782
Conc: 96.78 ng/ml



Response_ Signal: PD090330.D\ECD1A.ch

#20 Methoxychlor

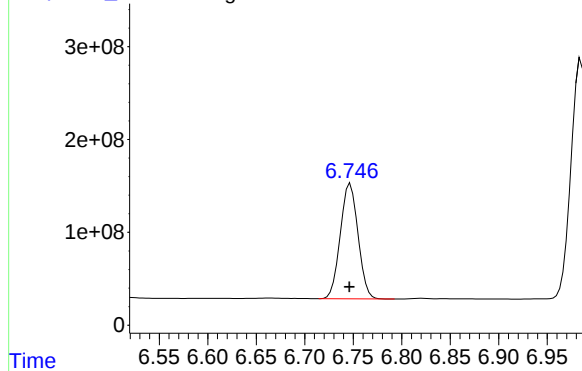
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 223838930
Conc: 99.33 ng/ml

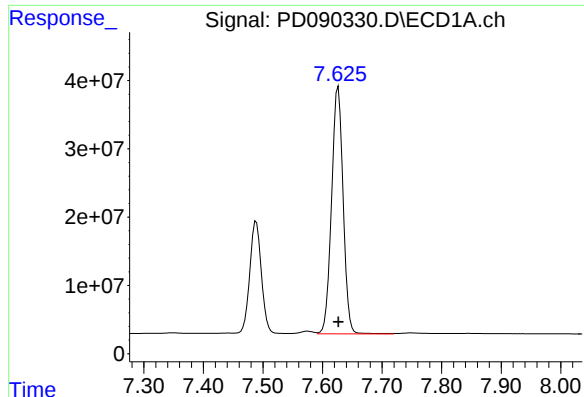


Response_ Signal: PD090330.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 1580560582
Conc: 95.36 ng/ml

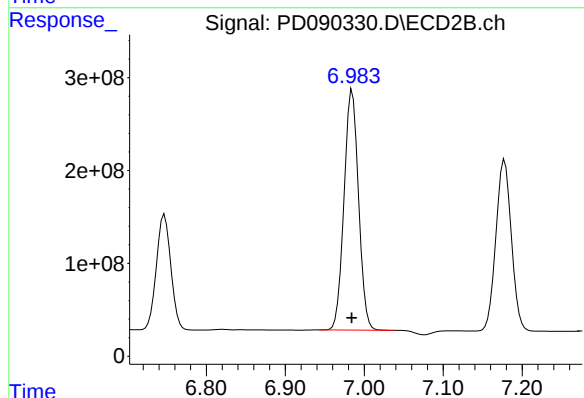




#21 Endrin ketone

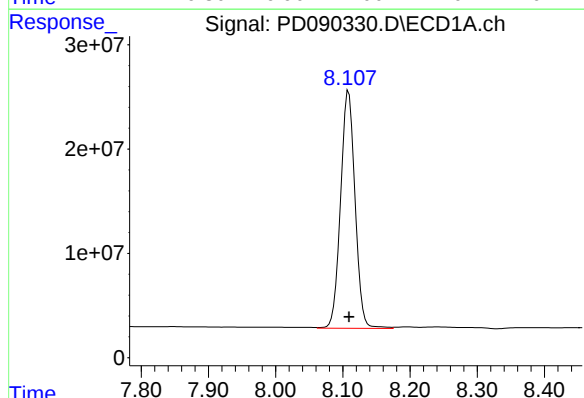
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 489092682
Conc: 102.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



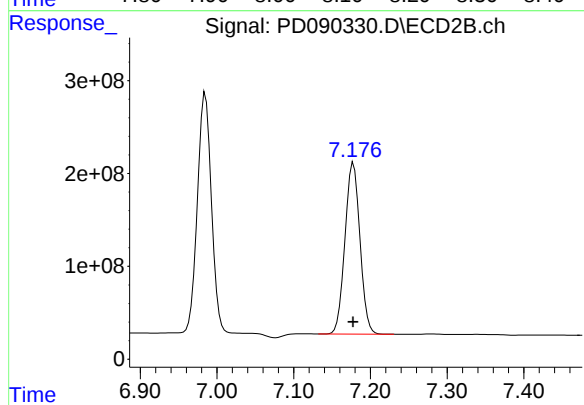
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 3302608203
Conc: 96.13 ng/ml



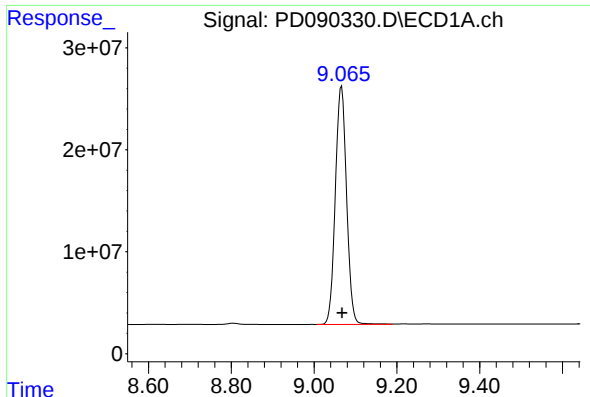
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 339141918
Conc: 97.22 ng/ml



#22 Mirex

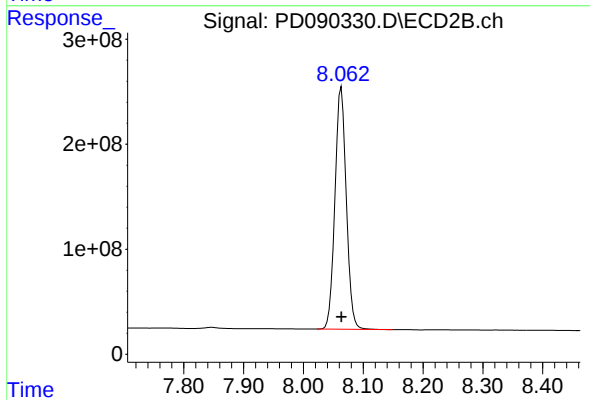
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 2515886609
Conc: 97.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 440225529
Conc: 96.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 3041628295
Conc: 100.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
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: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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...	3.546	2.876	234.8E6	1939.2E6	75.498	74.556
28)	SA Decachlor...	9.067	8.063	336.9E6	2271.1E6	73.732	74.934
Target Compounds							
2)	A alpha-BHC	3.996	3.387	548.9E6	3157.8E6	79.212	75.406
3)	MA gamma-BHC...	4.326	3.724	512.6E6	2926.6E6	78.573	75.246
4)	MA Heptachlor	4.925	4.076	503.5E6	2889.7E6	77.620	74.309
5)	MB Aldrin	5.266	4.362	483.4E6	2851.1E6	77.547	74.494
6)	B beta-BHC	4.513	4.020	186.2E6	1219.9E6	75.559	74.151
7)	B delta-BHC	4.761	4.256	505.8E6	2968.1E6	78.572	74.906
8)	B Heptachlo...	5.686	4.866	422.8E6	2560.1E6	76.582	73.394
9)	A Endosulfan I	6.070	5.240	399.8E6	2430.6E6	76.189	73.473
10)	B gamma-Chl...	5.941	5.119	431.4E6	2800.3E6	77.251	74.610
11)	B alpha-Chl...	6.023	5.183	429.3E6	2674.9E6	76.606	74.337
12)	B 4,4'-DDE	6.191	5.368	396.6E6	2720.4E6	77.320	74.153
13)	MA Dieldrin	6.343	5.505	436.0E6	2754.3E6	77.057	73.724
14)	MA Endrin	6.570	5.782	369.7E6	2504.8E6	77.174	73.626
15)	B Endosulfa...	6.782	6.073	360.7E6	2368.6E6	75.662	73.368
16)	A 4,4'-DDD	6.701	5.922	309.8E6	2301.9E6	77.178	74.234
17)	MA 4,4'-DDT	7.017	6.176	339.3E6	2482.7E6	77.587	74.665
18)	B Endrin al...	6.911	6.252	249.1E6	1656.9E6	75.274	73.112
19)	B Endosulfa...	7.146	6.475	337.9E6	2291.5E6	75.907	73.614
20)	A Methoxychlor	7.490	6.746	169.8E6	1211.4E6	75.345	73.089
21)	B Endrin ke...	7.626	6.984	367.3E6	2512.0E6	76.614	73.116
22)	Mirex	8.109	7.177	259.4E6	1905.4E6	74.356	73.496

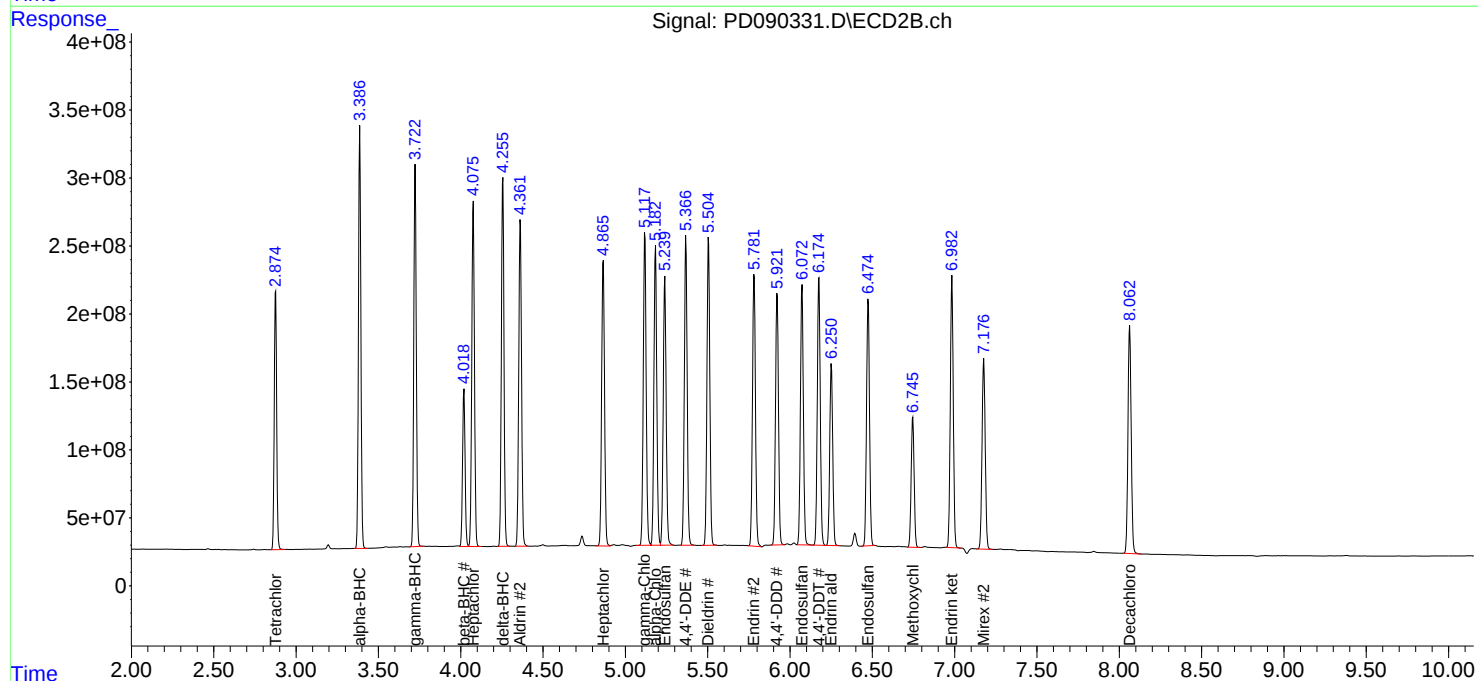
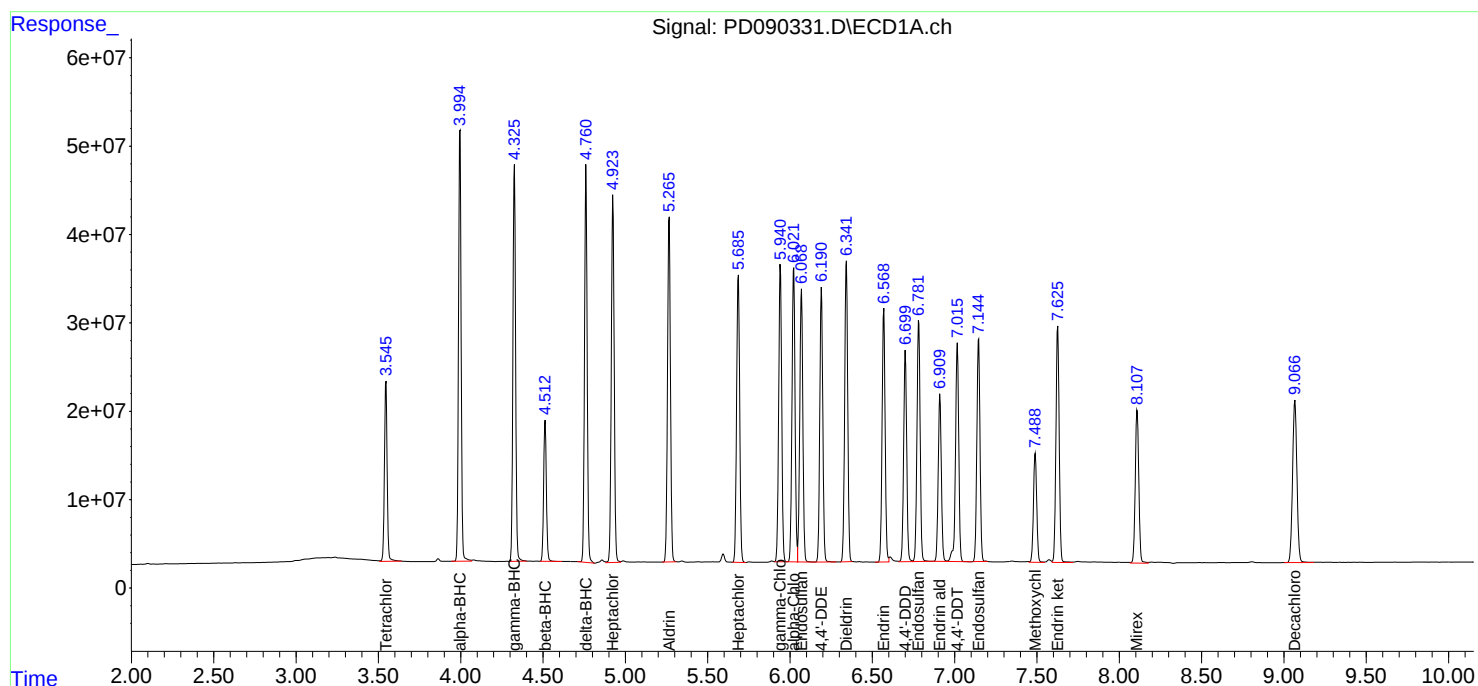
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

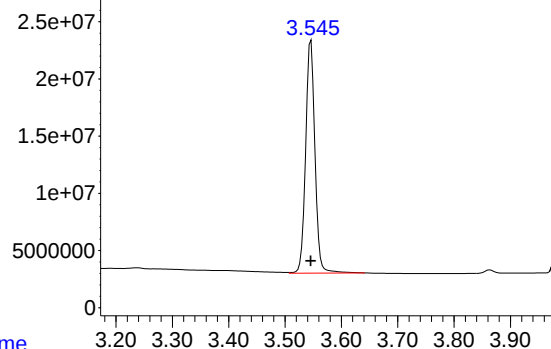
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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: PD090331.D\ECD1A.ch

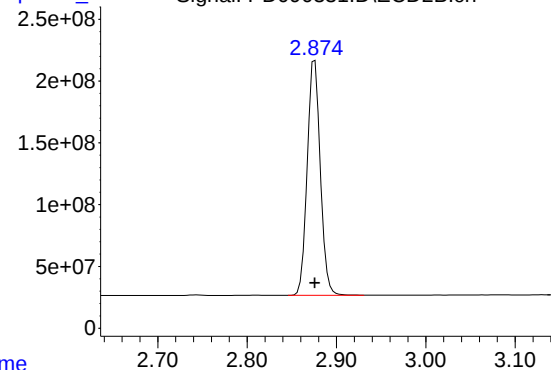


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 234796720
Conc: 75.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

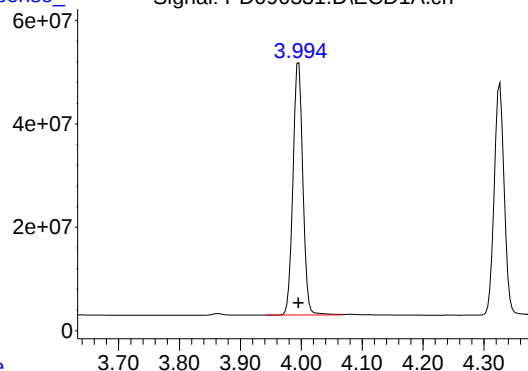
Time Response_ Signal: PD090331.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1939202954
Conc: 74.56 ng/ml

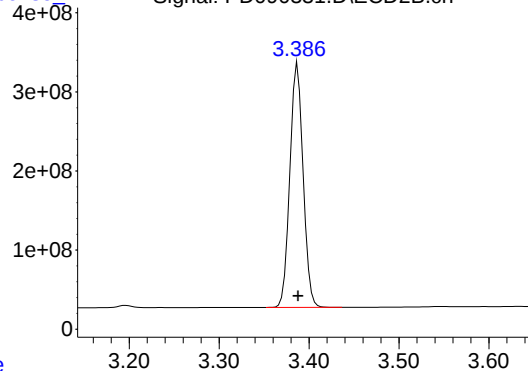
Time Response_ Signal: PD090331.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 548890342
Conc: 79.21 ng/ml

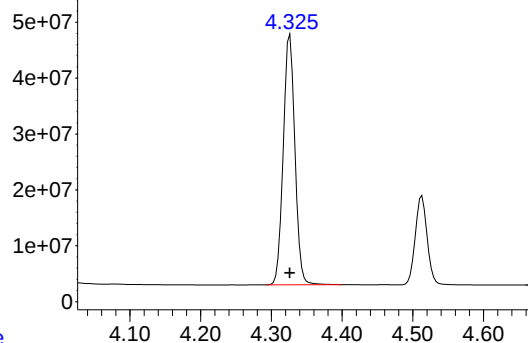
Time Response_ Signal: PD090331.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 3157759187
Conc: 75.41 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

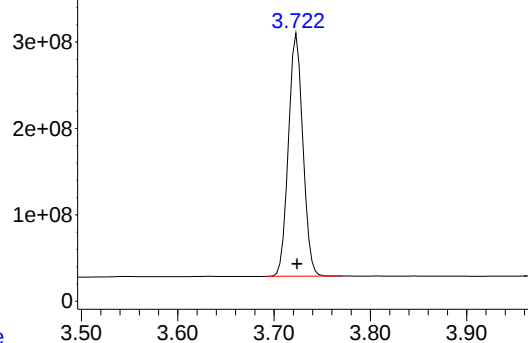


#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 512634592
Conc: 78.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

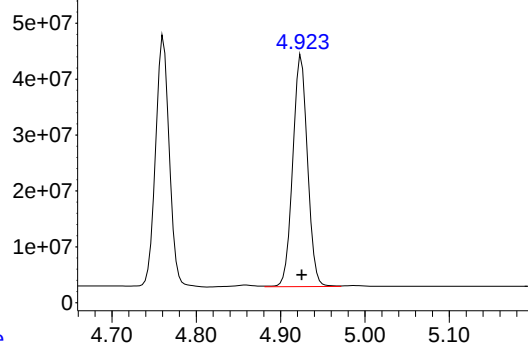
Time Response_ Signal: PD090331.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 2926551436
Conc: 75.25 ng/ml

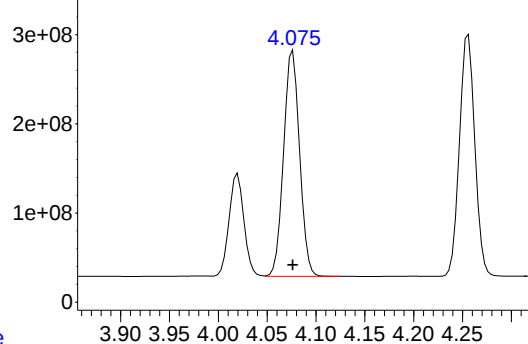
Time Response_ Signal: PD090331.D\ECD1A.ch



#4 Heptachlor

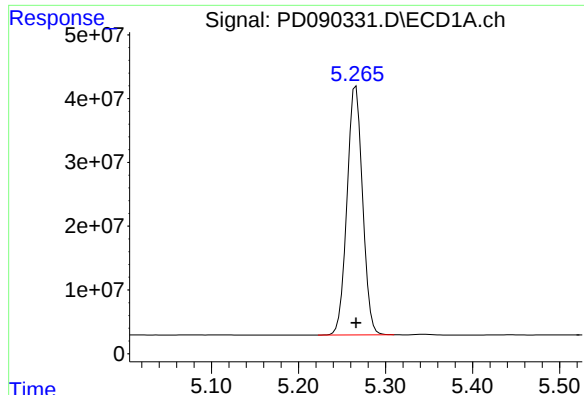
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 503459808
Conc: 77.62 ng/ml

Time Response_ Signal: PD090331.D\ECD2B.ch



#4 Heptachlor

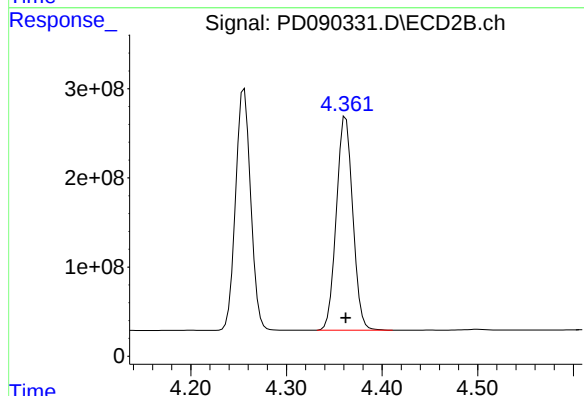
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 2889661494
Conc: 74.31 ng/ml



#5 Aldrin

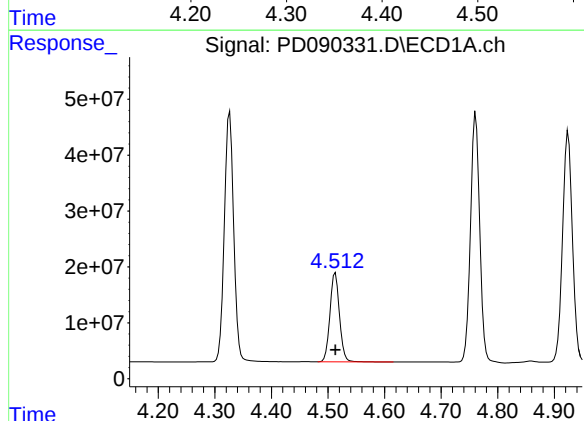
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 483420136
Conc: 77.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



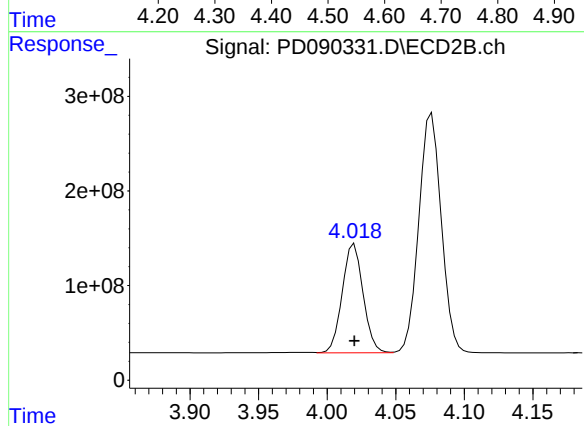
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 2851068871
Conc: 74.49 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 186187867
Conc: 75.56 ng/ml



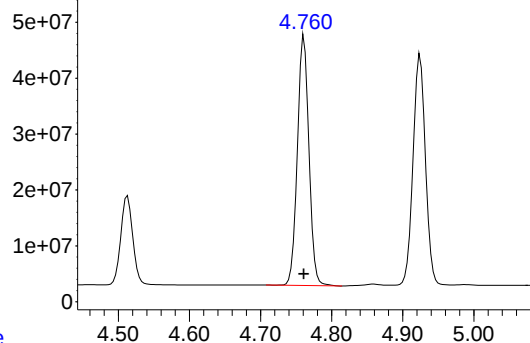
#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1219859216
Conc: 74.15 ng/ml

Response_

Signal: PD090331.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 505751873
Conc: 78.57 ng/ml

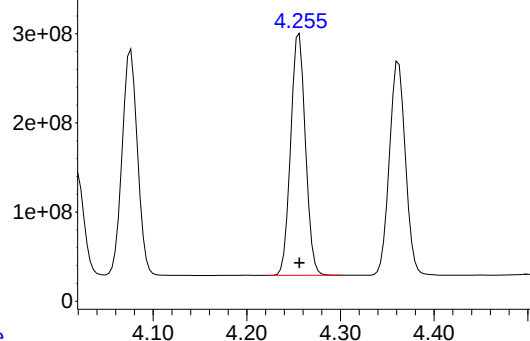
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#7 delta-BHC



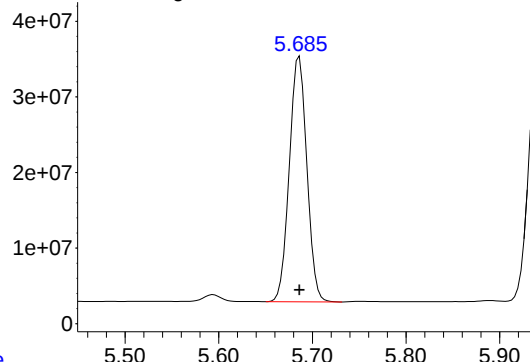
R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2968147130
Conc: 74.91 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#8 Heptachlor epoxide



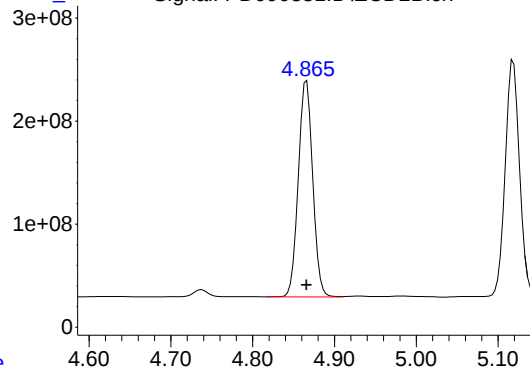
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 422786425
Conc: 76.58 ng/ml

Time

Response_

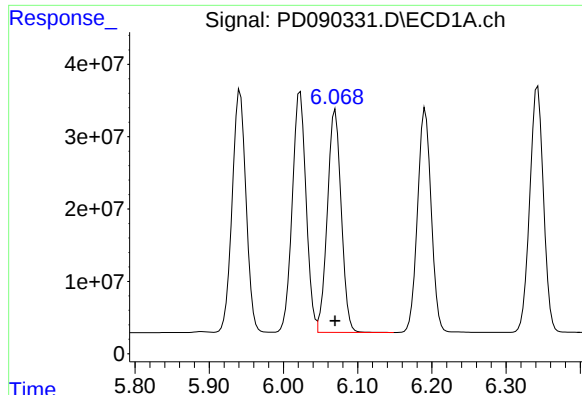
Signal: PD090331.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 2560129933
Conc: 73.39 ng/ml

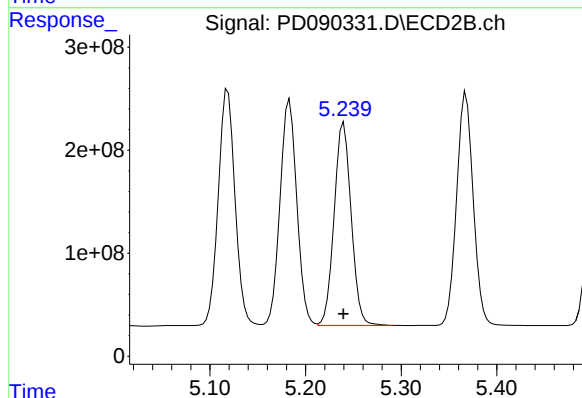
Time



#9 Endosulfan I

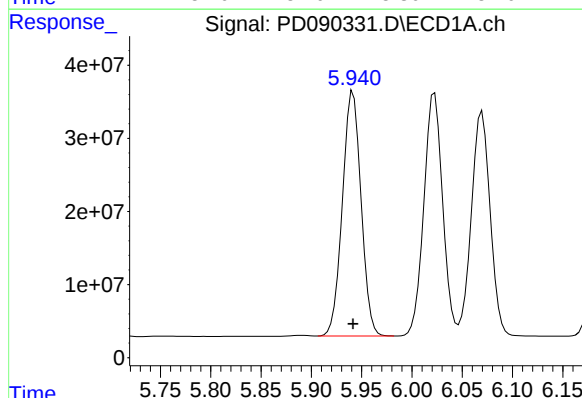
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 399761598
Conc: 76.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



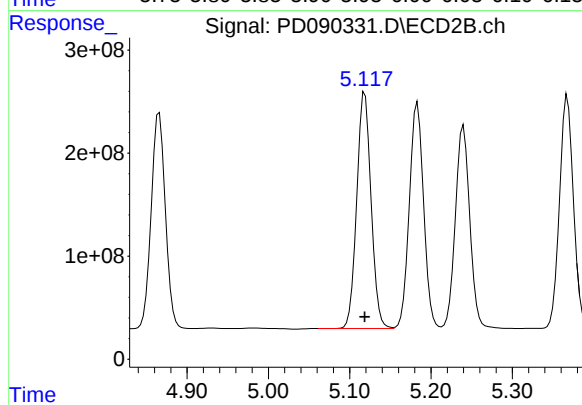
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 2430625449
Conc: 73.47 ng/ml



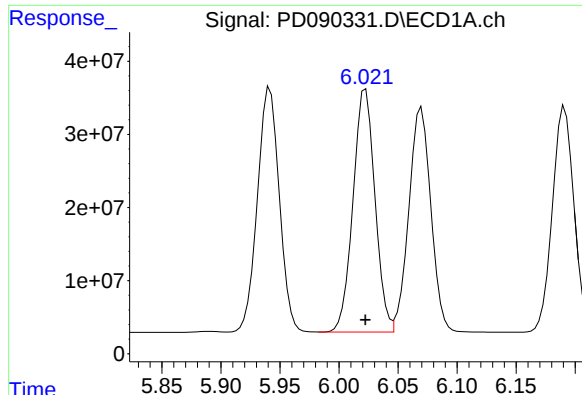
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 431438604
Conc: 77.25 ng/ml



#10 gamma-Chlordane

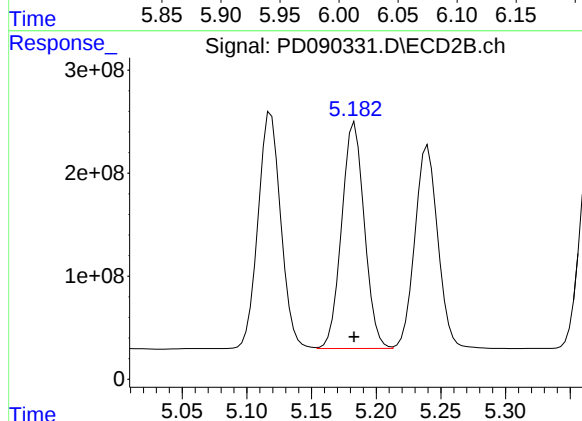
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 2800318420
Conc: 74.61 ng/ml



#11 alpha-Chlordane

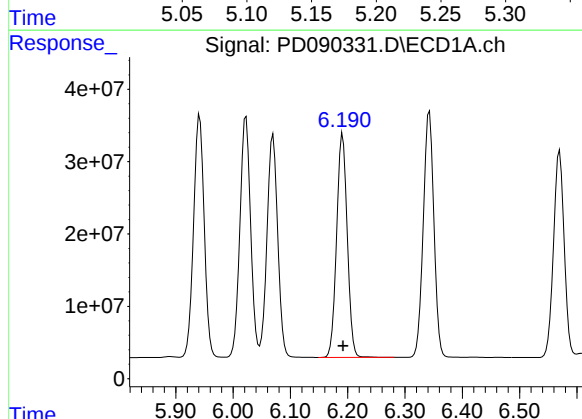
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 429339633
Conc: 76.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



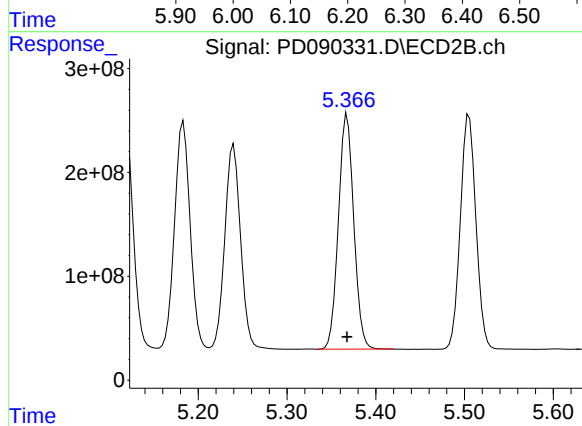
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 2674927820
Conc: 74.34 ng/ml



#12 4,4'-DDE

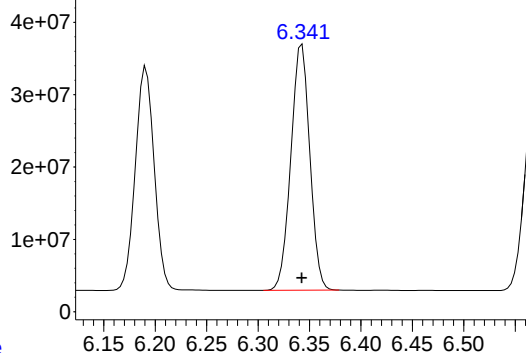
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 396552455
Conc: 77.32 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2720410597
Conc: 74.15 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

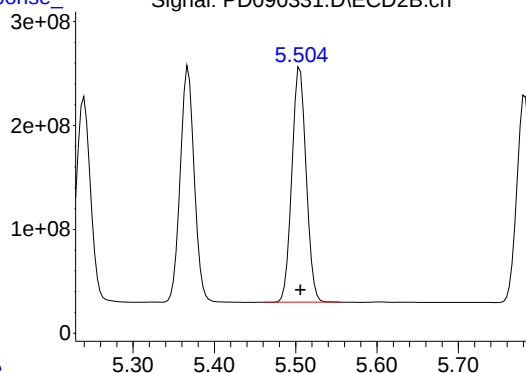


#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 436041519
Conc: 77.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

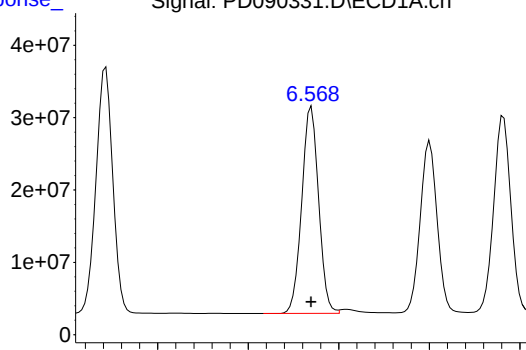
Time Response_ Signal: PD090331.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 2754253778
Conc: 73.72 ng/ml

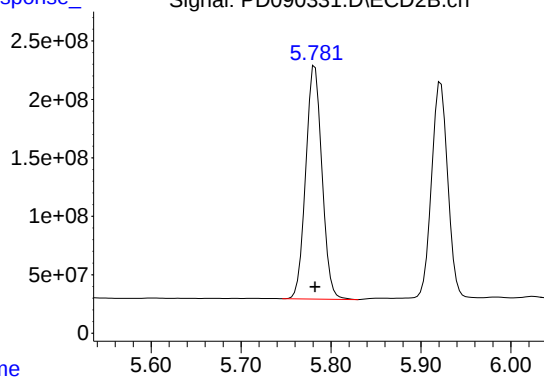
Time Response_ Signal: PD090331.D\ECD1A.ch



#14 Endrin

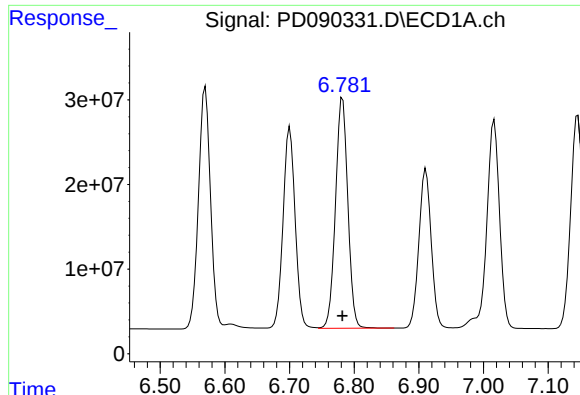
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 369723579
Conc: 77.17 ng/ml

Time Response_ Signal: PD090331.D\ECD2B.ch



#14 Endrin

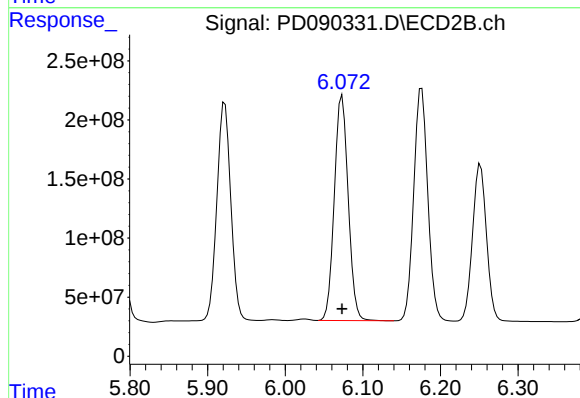
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 2504836912
Conc: 73.63 ng/ml



#15 Endosulfan II

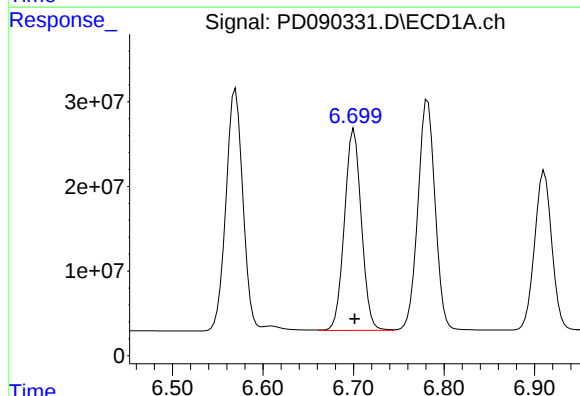
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 360741782
Conc: 75.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



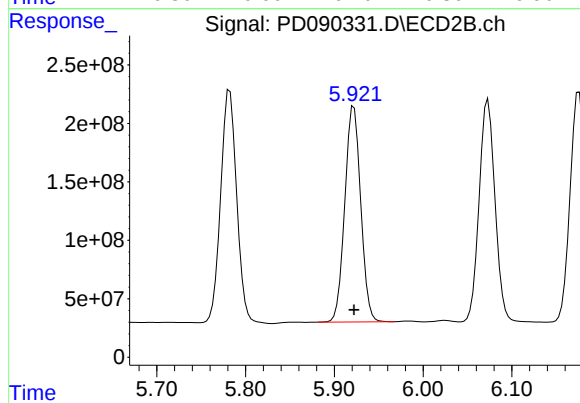
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 2368556331
Conc: 73.37 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 309793667
Conc: 77.18 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 2301936261
Conc: 74.23 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 339271857
Conc: 77.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_ Signal: PD090331.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2482678795
Conc: 74.66 ng/ml

Time

Response_ Signal: PD090331.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 249056297
Conc: 75.27 ng/ml

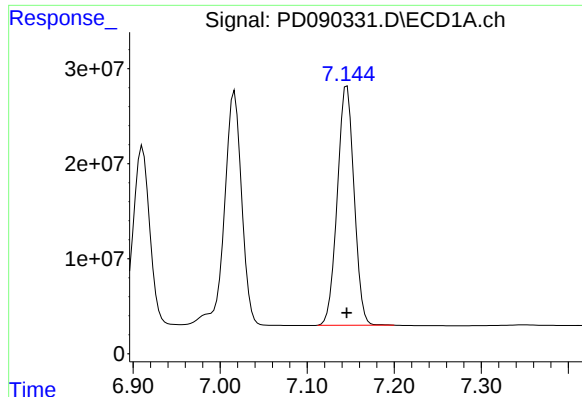
Time

Response_ Signal: PD090331.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1656945668
Conc: 73.11 ng/ml

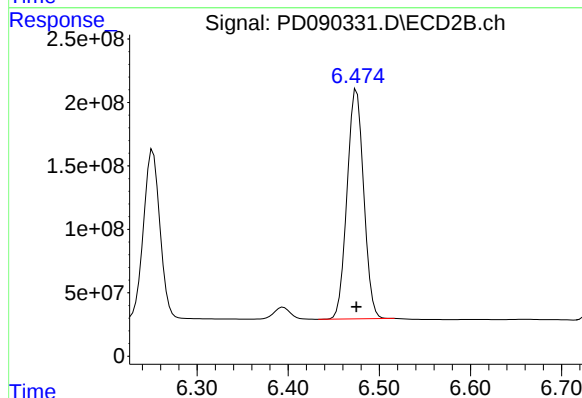
Time



#19 Endosulfan Sulfate

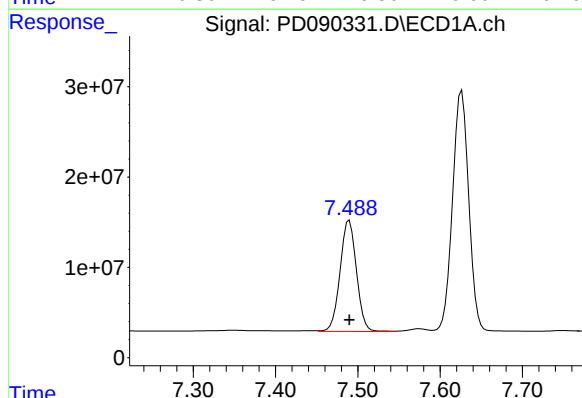
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 337866297
Conc: 75.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



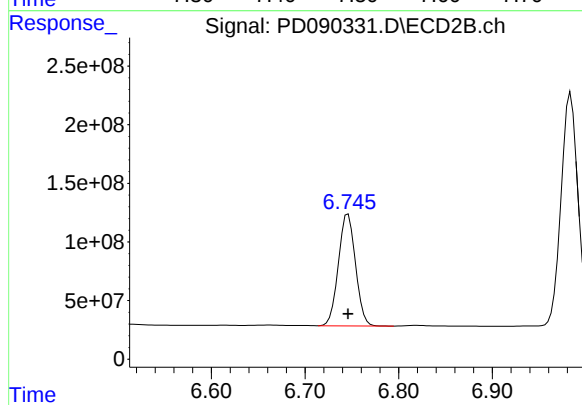
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 2291523819
Conc: 73.61 ng/ml



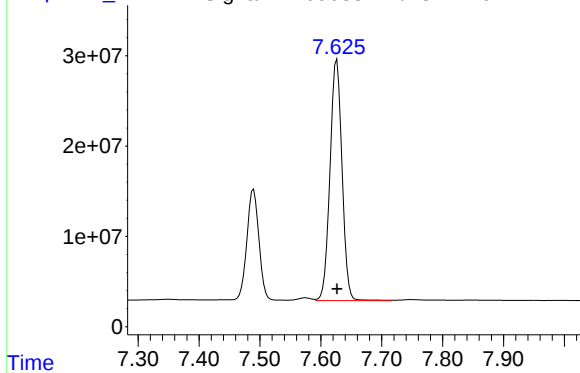
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 169784237
Conc: 75.34 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1211440262
Conc: 73.09 ng/ml



R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 367322353
Conc: 76.61 ng/ml

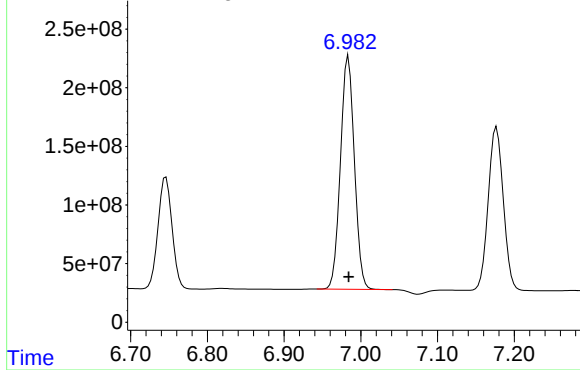
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#21 Endrin ketone



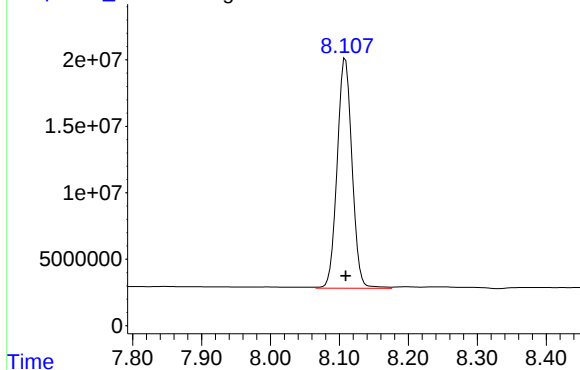
R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 2512027163
Conc: 73.12 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#22 Mirex



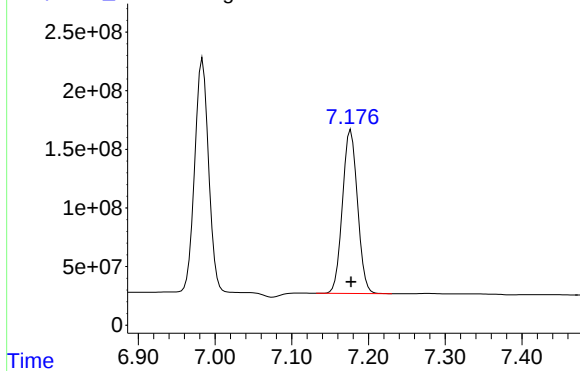
R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 259377910
Conc: 74.36 ng/ml

Time

Response_

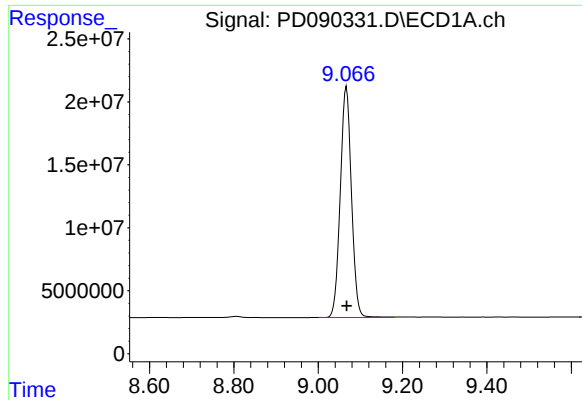
Signal: PD090331.D\ECD2B.ch

#22 Mirex



R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1905389535
Conc: 73.50 ng/ml

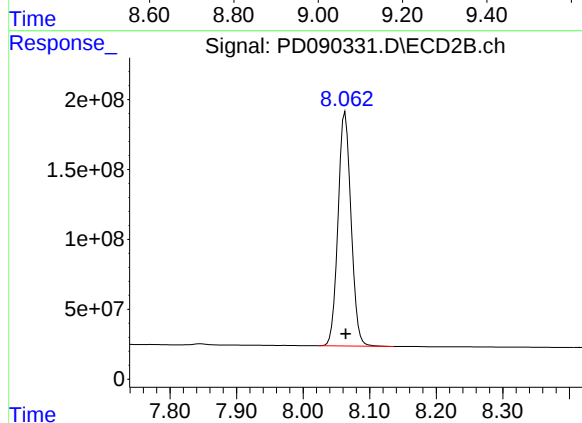
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 336873691
Conc: 73.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 2271124740
Conc: 74.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
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: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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...	3.546	2.876	155.5E6	1300.5E6	50.000	50.000
28) SA Decachlor...	9.068	8.064	228.4E6	1515.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.995	3.388	346.5E6	2093.9E6	50.000	50.000
3) MA gamma-BHC...	4.326	3.724	326.2E6	1944.7E6	50.000	50.000
4) MA Heptachlor	4.925	4.076	324.3E6	1944.4E6	50.000	50.000
5) MB Aldrin	5.266	4.362	311.7E6	1913.6E6	50.000	50.000
6) B beta-BHC	4.513	4.020	123.2E6	822.5E6	50.000	50.000
7) B delta-BHC	4.761	4.256	321.8E6	1981.3E6	50.000	50.000
8) B Heptachlo...	5.686	4.866	276.0E6	1744.1E6	50.000	50.000
9) A Endosulfan I	6.070	5.240	262.3E6	1654.1E6	50.000	50.000
10) B gamma-Chl...	5.942	5.118	279.2E6	1876.6E6	50.000	50.000
11) B alpha-Chl...	6.022	5.183	280.2E6	1799.2E6	50.000	50.000
12) B 4,4'-DDE	6.192	5.368	256.4E6	1834.3E6	50.000	50.000
13) MA Dieldrin	6.343	5.506	282.9E6	1867.9E6	50.000	50.000
14) MA Endrin	6.569	5.782	239.5E6	1701.1E6	50.000	50.000
15) B Endosulfa...	6.782	6.073	238.4E6	1614.2E6	50.000	50.000
16) A 4,4'-DDD	6.701	5.922	200.7E6	1550.5E6	50.000	50.000
17) MA 4,4'-DDT	7.017	6.176	218.6E6	1662.5E6	50.000	50.000
18) B Endrin al...	6.911	6.252	165.4E6	1133.2E6	50.000	50.000
19) B Endosulfa...	7.146	6.475	222.6E6	1556.4E6	50.000	50.000
20) A Methoxychlor	7.490	6.746	112.7E6	828.7E6	50.000	50.000
21) B Endrin ke...	7.627	6.984	239.7E6	1717.8E6	50.000	50.000
22) Mirex	8.109	7.177	174.4E6	1296.3E6	50.000	50.000

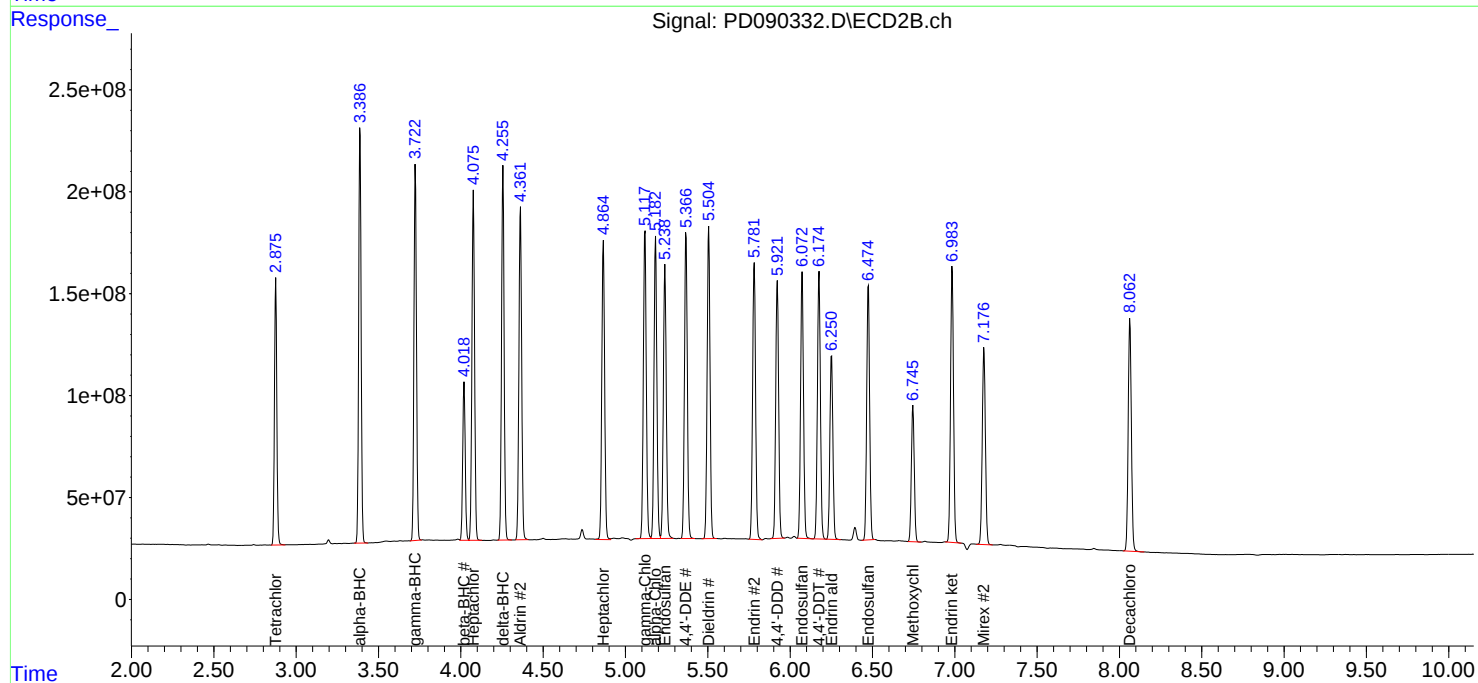
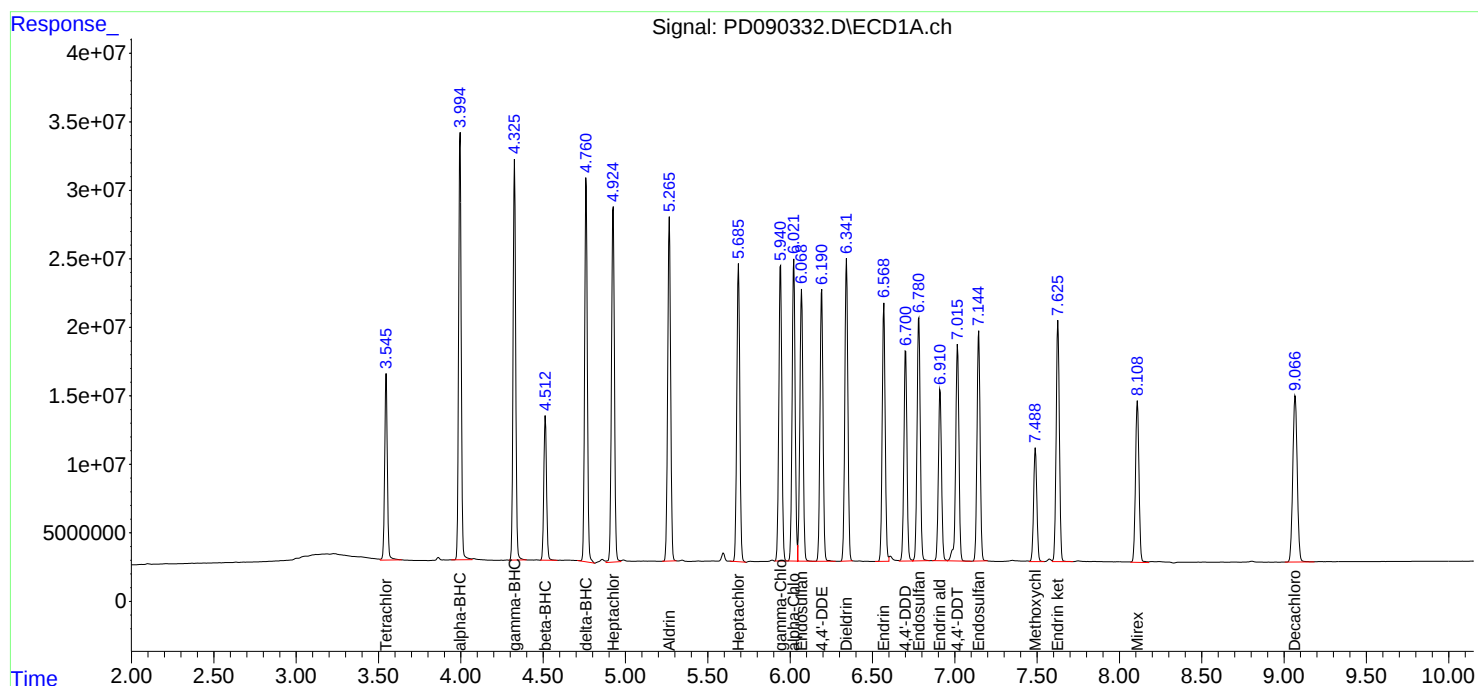
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

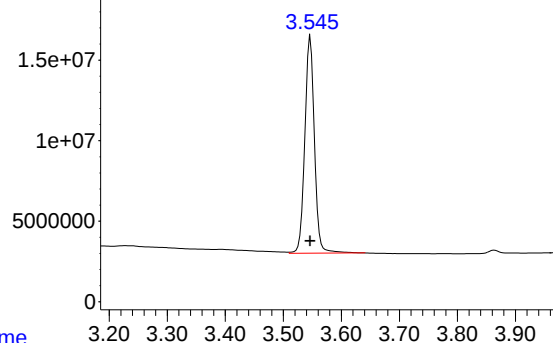
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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: PD090332.D\ECD1A.ch

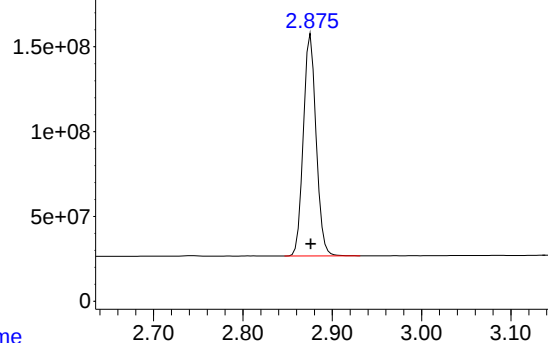


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 155497674
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

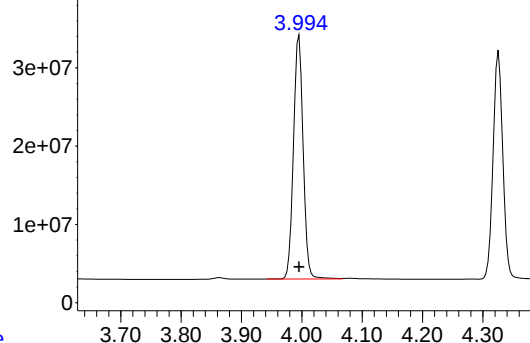
Time Response_ Signal: PD090332.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1300504550
Conc: 50.00 ng/ml

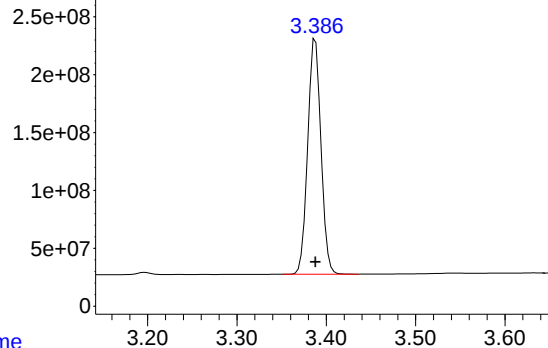
Time Response_ Signal: PD090332.D\ECD1A.ch



#2 alpha-BHC

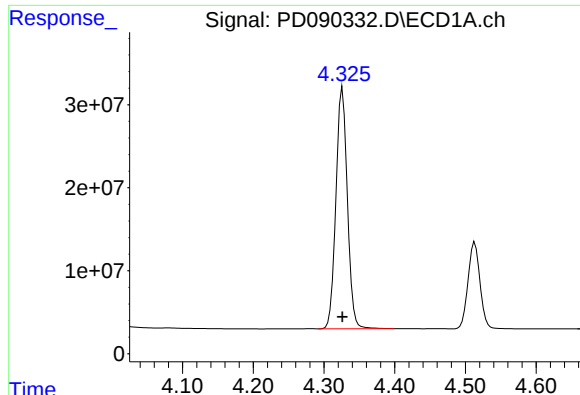
R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 346470849
Conc: 50.00 ng/ml

Time Response_ Signal: PD090332.D\ECD2B.ch



#2 alpha-BHC

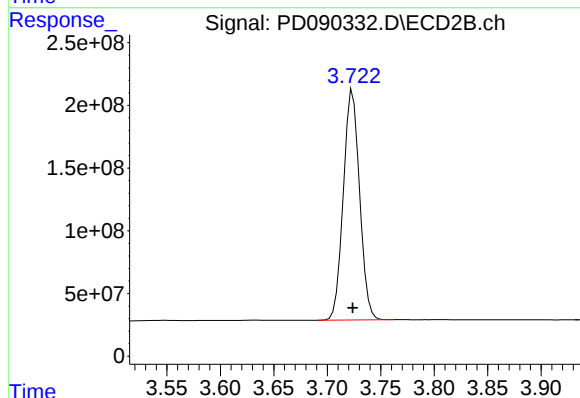
R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2093851930
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

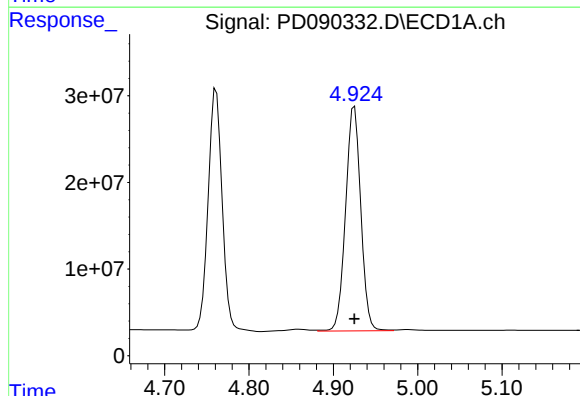
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 326216936
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



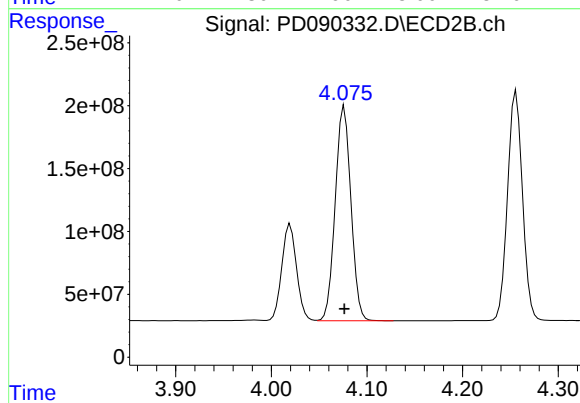
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1944657496
Conc: 50.00 ng/ml



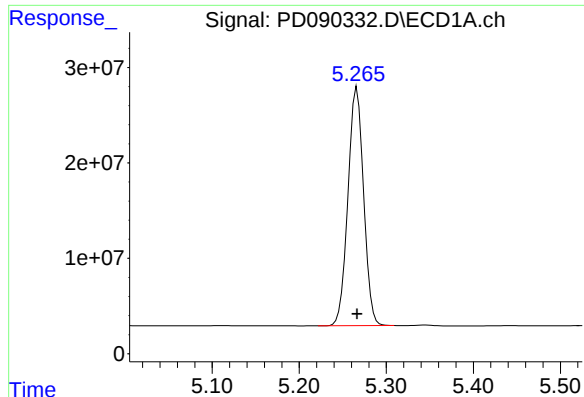
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 324309907
Conc: 50.00 ng/ml



#4 Heptachlor

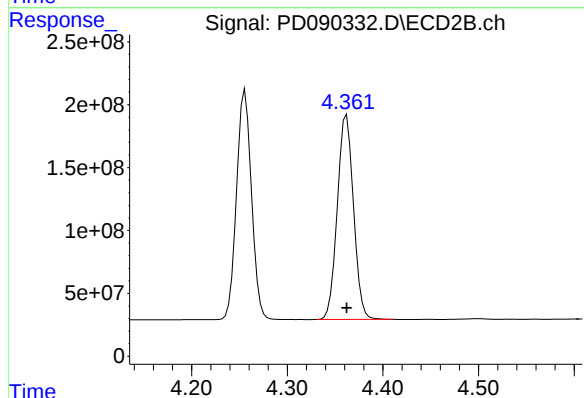
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1944351724
Conc: 50.00 ng/ml



#5 Aldrin

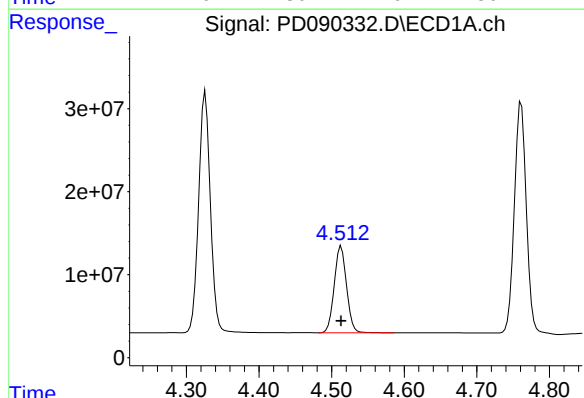
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 311695380
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



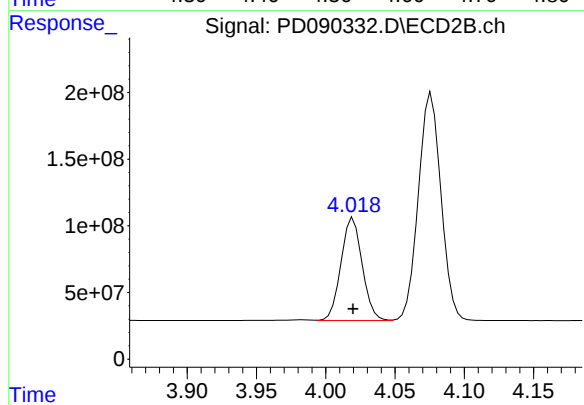
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1913628189
Conc: 50.00 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 123206339
Conc: 50.00 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 822545301
Conc: 50.00 ng/ml

Response_ Signal: PD090332.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 321839919
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090332.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1981257525
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 276033789
Conc: 50.00 ng/ml

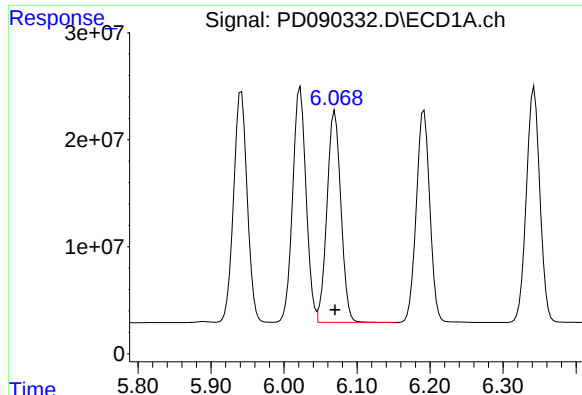
Time

Response_ Signal: PD090332.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1744104321
Conc: 50.00 ng/ml

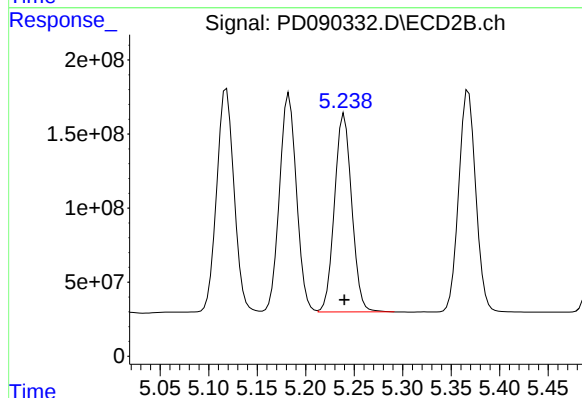
Time



#9 Endosulfan I

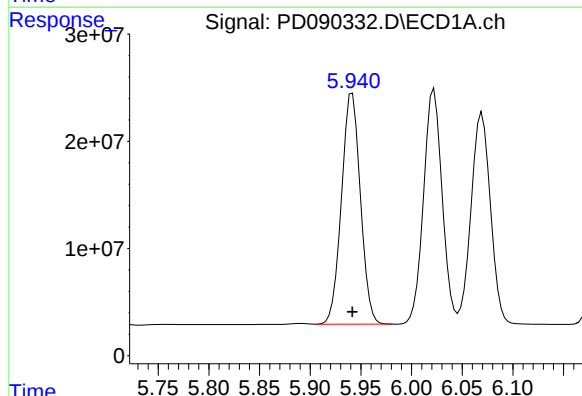
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 262349587
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



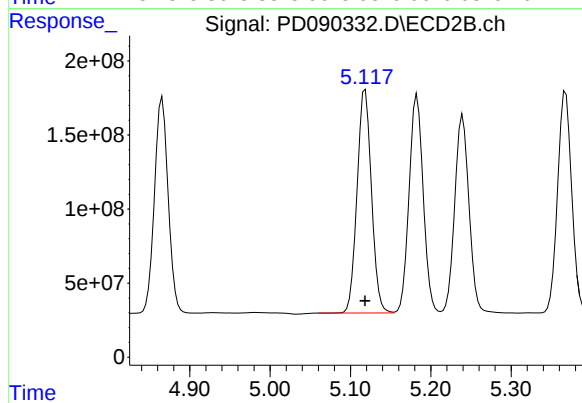
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1654086495
Conc: 50.00 ng/ml



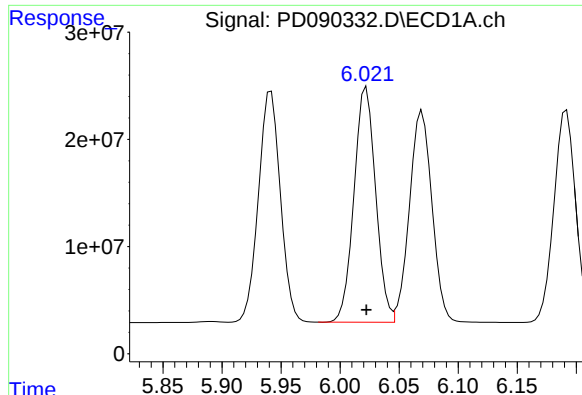
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 279245068
Conc: 50.00 ng/ml



#10 gamma-Chlordane

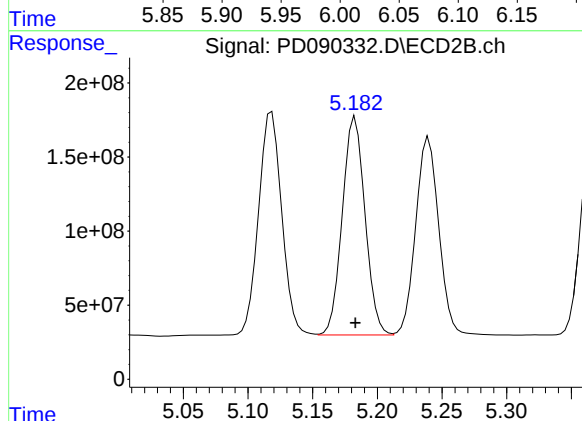
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1876649611
Conc: 50.00 ng/ml



#11 alpha-Chlordane

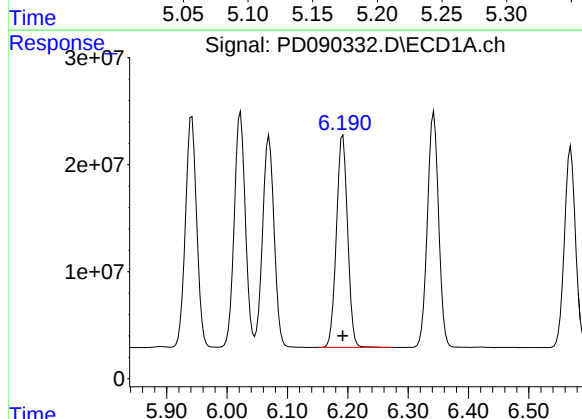
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 280226998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



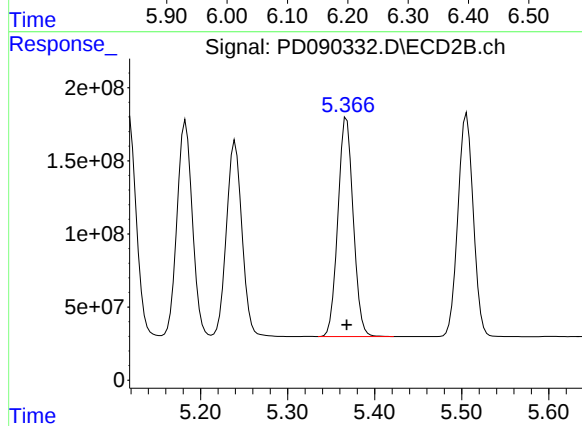
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1799180172
Conc: 50.00 ng/ml



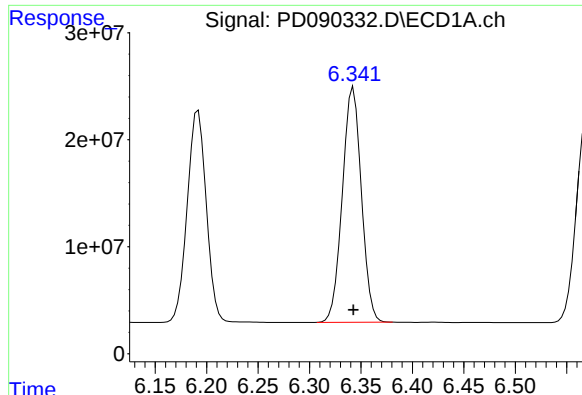
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 256436450
Conc: 50.00 ng/ml



#12 4,4'-DDE

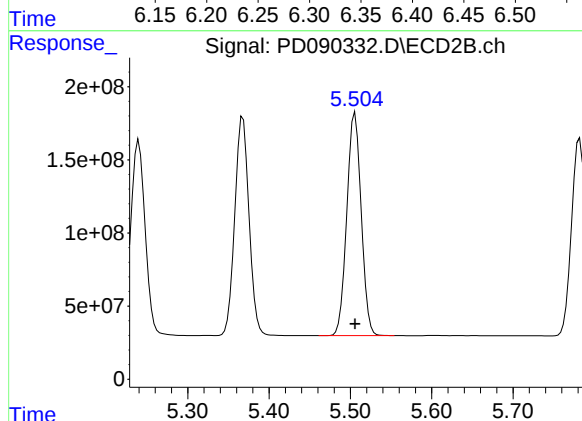
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1834310537
Conc: 50.00 ng/ml



#13 Dieldrin

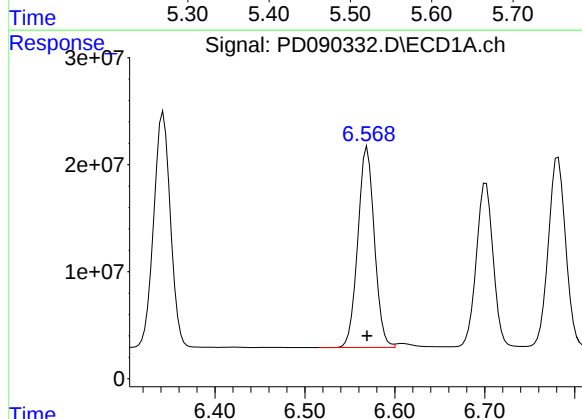
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 282932998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



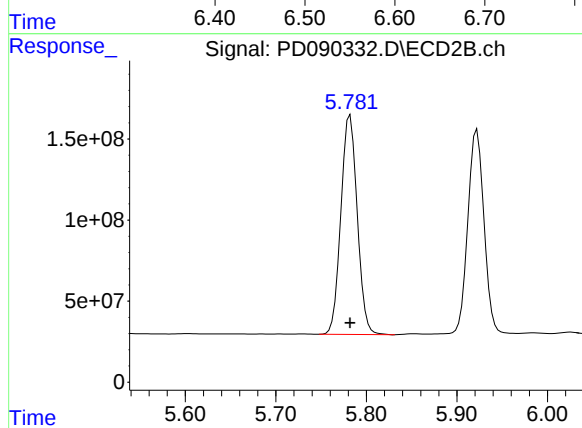
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1867939646
Conc: 50.00 ng/ml



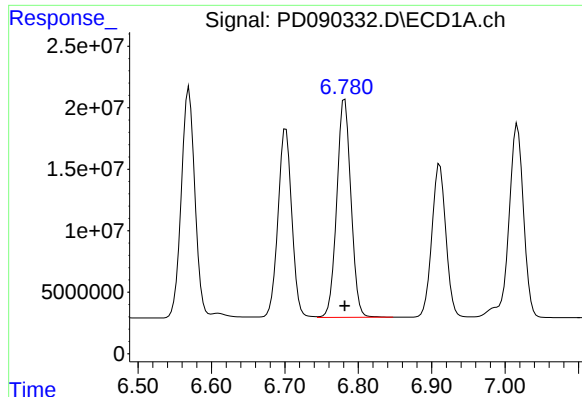
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 239539982
Conc: 50.00 ng/ml



#14 Endrin

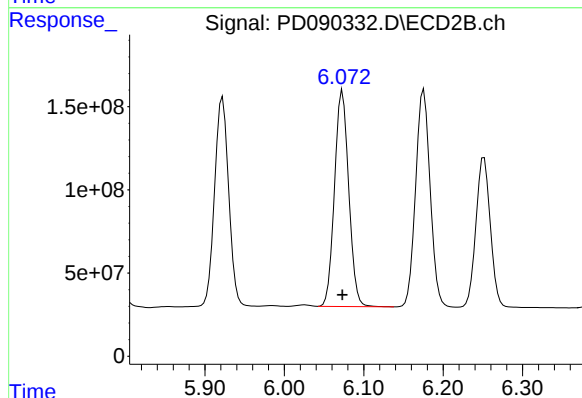
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1701062730
Conc: 50.00 ng/ml



#15 Endosulfan II

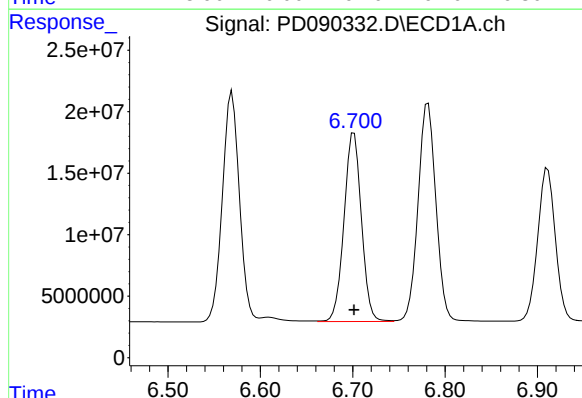
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 238391670
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



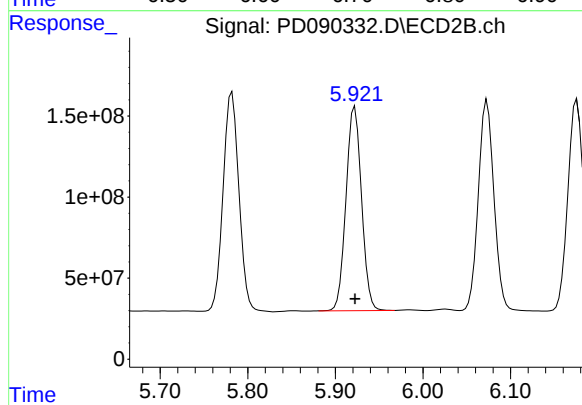
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1614156368
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 200700355
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1550459395
Conc: 50.00 ng/ml

Response_ Signal: PD090332.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 218639835
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090332.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1662549313
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 165432560
Conc: 50.00 ng/ml

Time

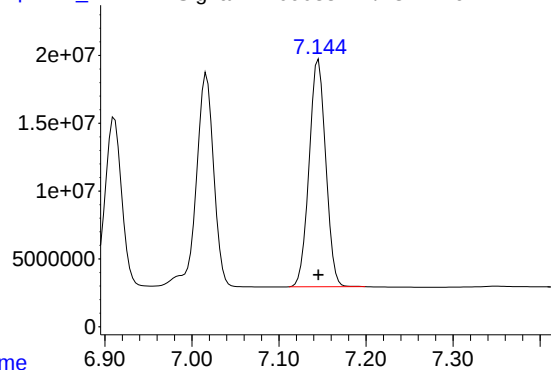
Response_ Signal: PD090332.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1133152846
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

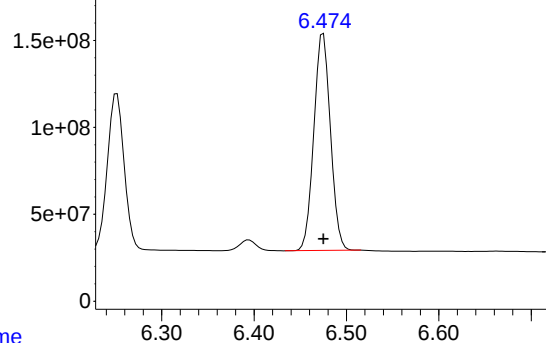


#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 222552187
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

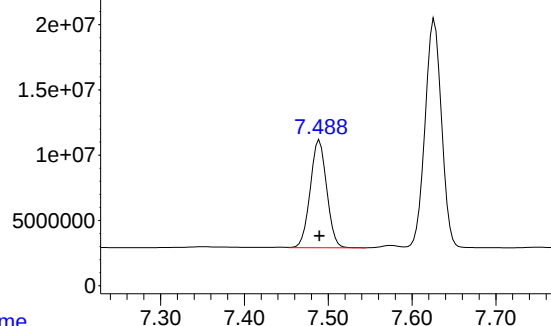
Time Response_ Signal: PD090332.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 1556436935
Conc: 50.00 ng/ml

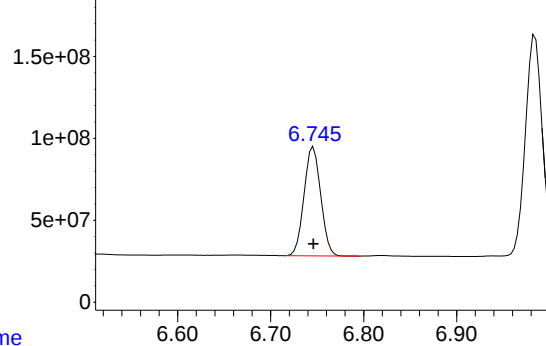
Time Response_ Signal: PD090332.D\ECD1A.ch



#20 Methoxychlor

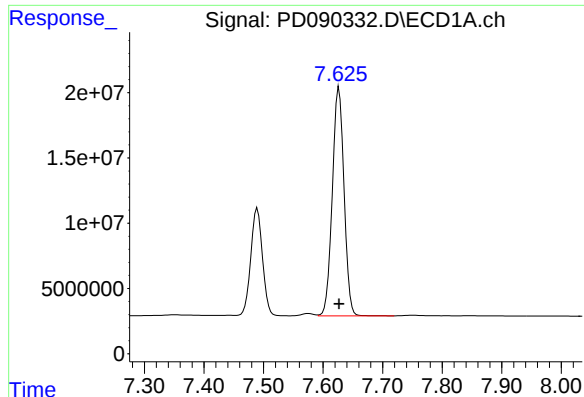
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 112671522
Conc: 50.00 ng/ml

Time Response_ Signal: PD090332.D\ECD2B.ch



#20 Methoxychlor

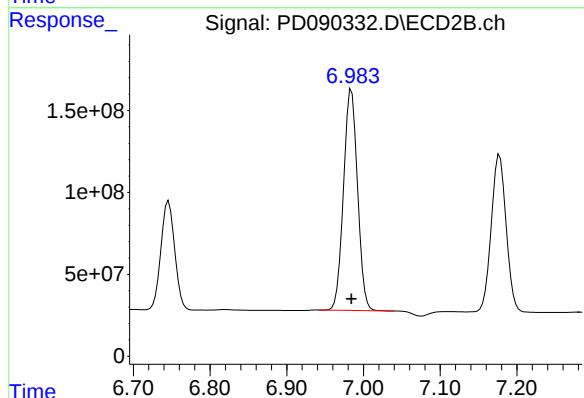
R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 828748764
Conc: 50.00 ng/ml



#21 Endrin ketone

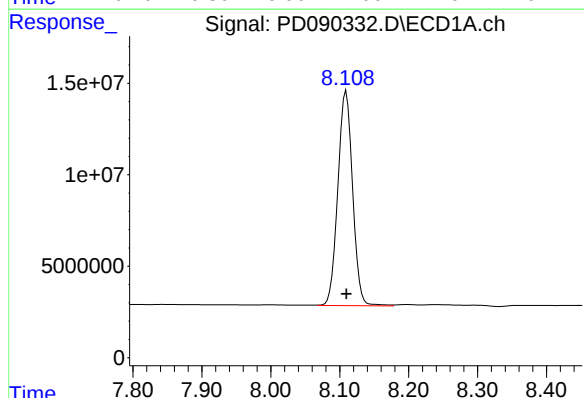
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 239721203
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



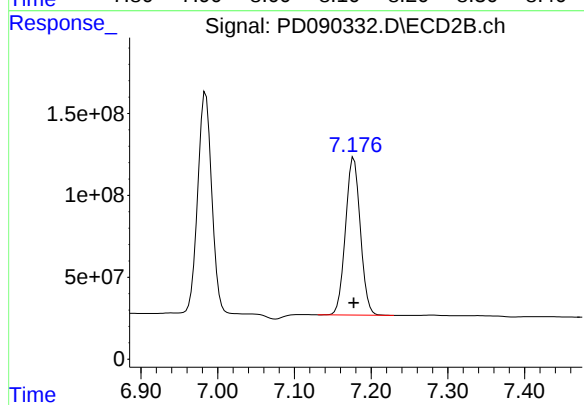
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1717840218
Conc: 50.00 ng/ml



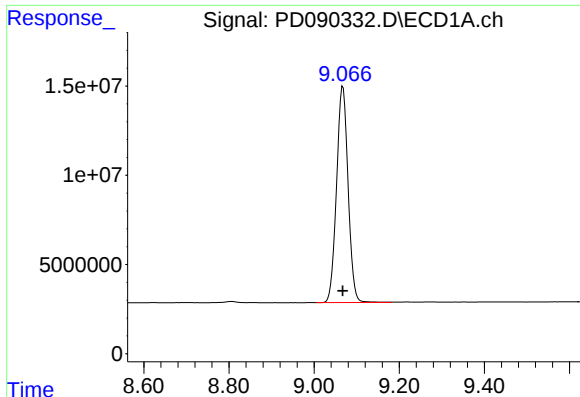
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 174416282
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1296252798
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

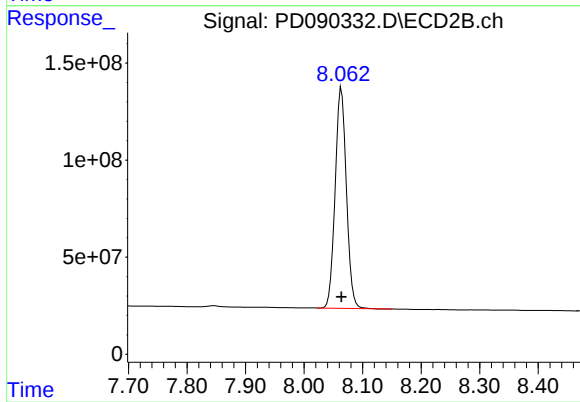
R.T.: 9.068 min

Delta R.T.: 0.000 min

Response: 228445280

Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 1515420635

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
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: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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...	3.546	2.876	82854234	691.8E6	26.642	26.597
28)	SA Decachlor...	9.067	8.064	121.9E6	806.0E6	26.689	26.593
Target Compounds							
2)	A alpha-BHC	3.996	3.388	166.5E6	1093.8E6	24.032	26.119
3)	MA gamma-BHC...	4.326	3.724	158.3E6	1016.2E6	24.266	26.128
4)	MA Heptachlor	4.925	4.077	161.1E6	1028.9E6	24.830	26.459
5)	MB Aldrin	5.266	4.363	153.4E6	1007.5E6	24.606	26.324
6)	B beta-BHC	4.513	4.020	64059316	438.0E6	25.997	26.626
7)	B delta-BHC	4.762	4.257	154.9E6	1031.3E6	24.067	26.027
8)	B Heptachlo...	5.686	4.866	138.7E6	930.1E6	25.131	26.664
9)	A Endosulfan I	6.070	5.241	132.4E6	881.0E6	25.235	26.632
10)	B gamma-Chl...	5.942	5.119	138.8E6	984.2E6	24.845	26.222
11)	B alpha-Chl...	6.023	5.183	140.5E6	948.1E6	25.069	26.349
12)	B 4,4'-DDE	6.192	5.368	125.6E6	969.1E6	24.492	26.415
13)	MA Dieldrin	6.343	5.506	139.8E6	988.2E6	24.705	26.451
14)	MA Endrin	6.570	5.782	118.3E6	936.3E6	24.696	27.520
15)	B Endosulfa...	6.782	6.074	118.3E6	856.7E6	24.811	26.538
16)	A 4,4'-DDD	6.702	5.922	99114690	822.6E6	24.692	26.527
17)	MA 4,4'-DDT	7.017	6.176	107.9E6	868.4E6	24.672	26.117
18)	B Endrin al...	6.912	6.252	84815631	597.7E6	25.635	26.373
19)	B Endosulfa...	7.146	6.476	113.5E6	829.7E6	25.489	26.654
20)	A Methoxychlor	7.490	6.747	58886348	447.5E6	26.132	26.998
21)	B Endrin ke...	7.627	6.985	121.6E6	920.0E6	25.368	26.778
22)	Mirex	8.110	7.178	93886990	701.1E6	26.915	27.043

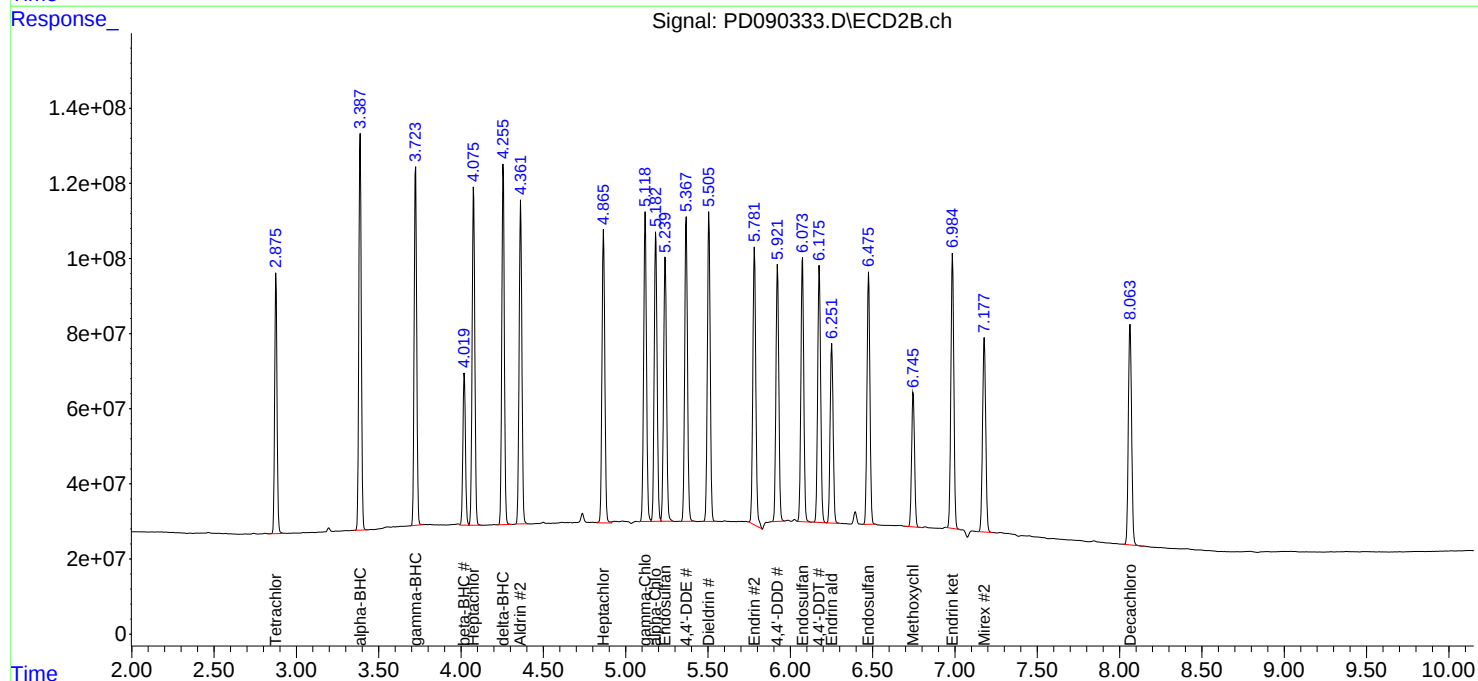
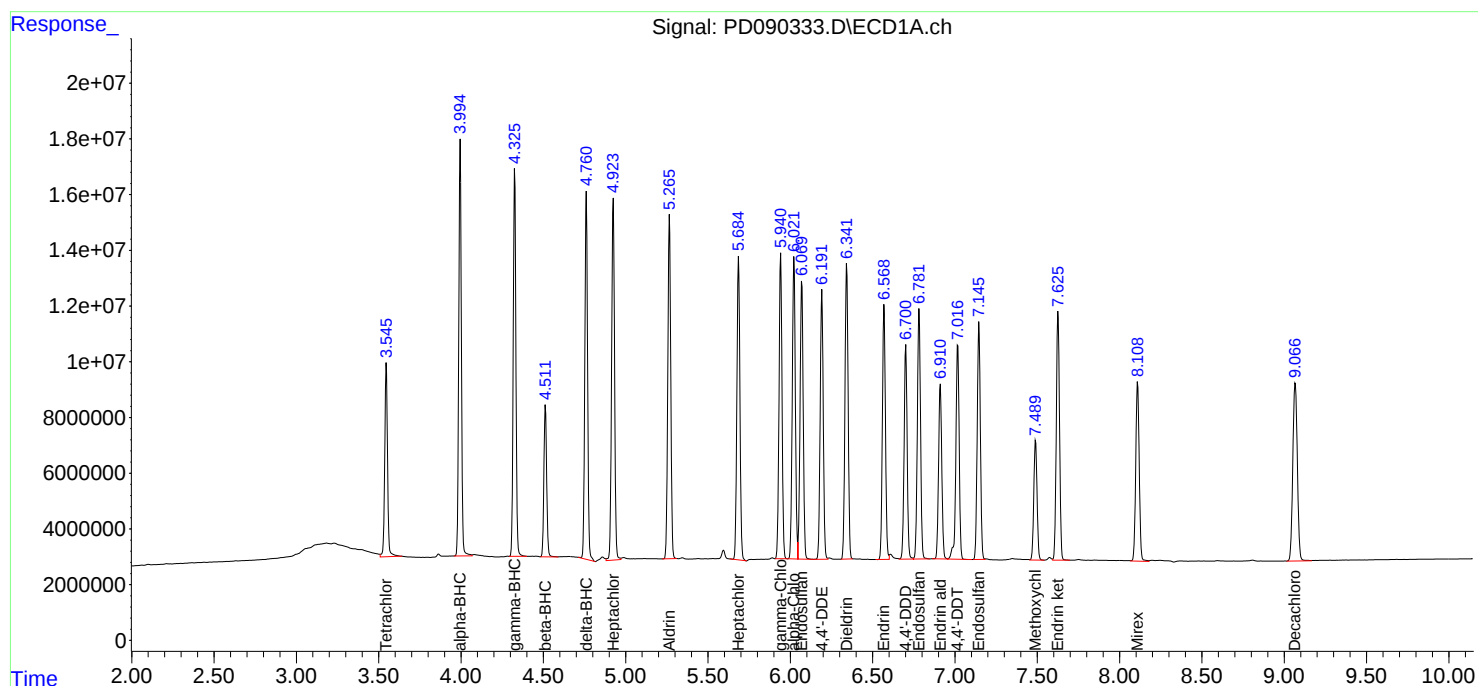
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
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: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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: PD090333.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 82854234
Conc: 26.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PD090333.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 691796344
Conc: 26.60 ng/ml

Time 2.60 2.70 2.80 2.90 3.00 3.10

Response_ Signal: PD090333.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 166527736
Conc: 24.03 ng/ml

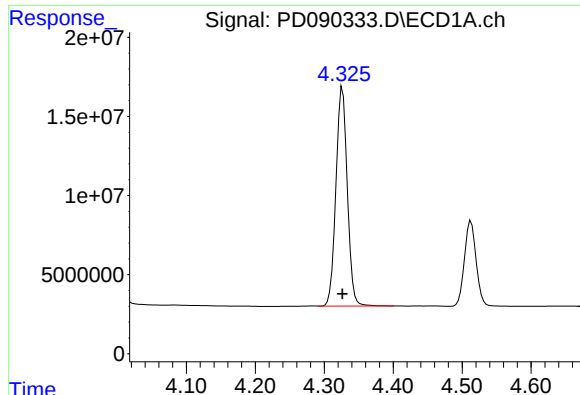
Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

Response_ Signal: PD090333.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1093790855
Conc: 26.12 ng/ml

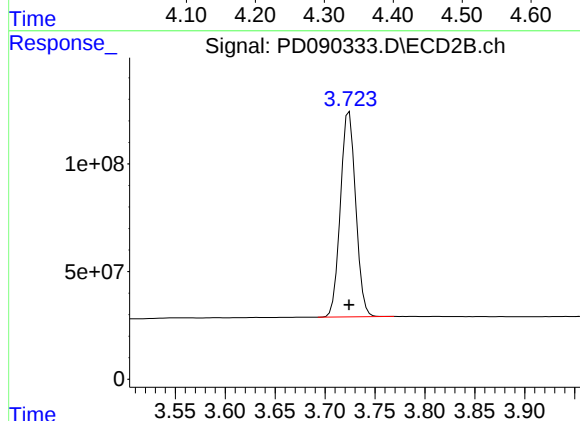
Time 3.20 3.30 3.40 3.50 3.60



#3 gamma-BHC (Lindane)

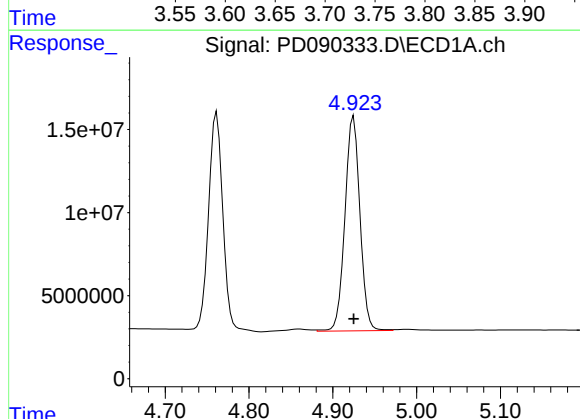
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 158317462
Conc: 24.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



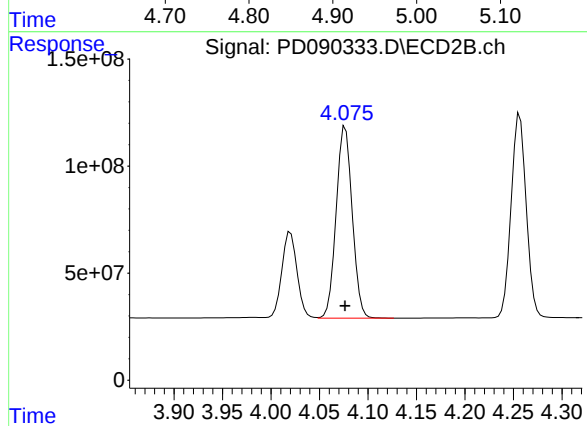
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1016199017
Conc: 26.13 ng/ml



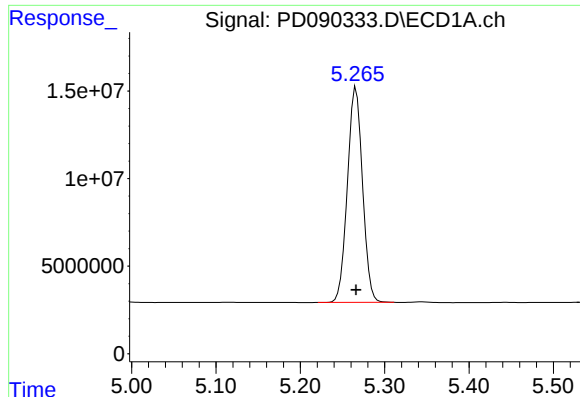
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 161051161
Conc: 24.83 ng/ml



#4 Heptachlor

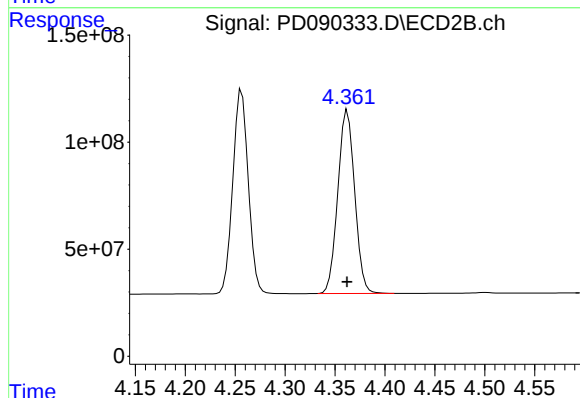
R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 1028906691
Conc: 26.46 ng/ml



#5 Aldrin

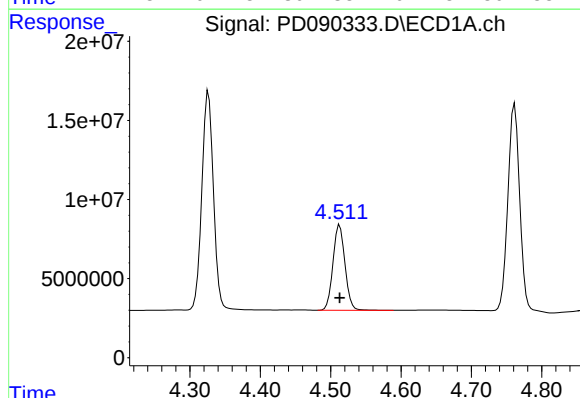
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 153388666
Conc: 24.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



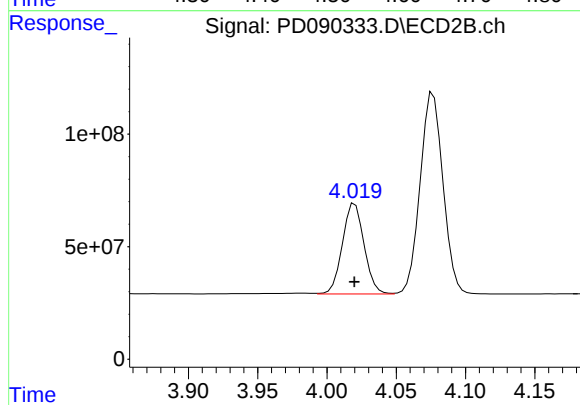
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1007501721
Conc: 26.32 ng/ml



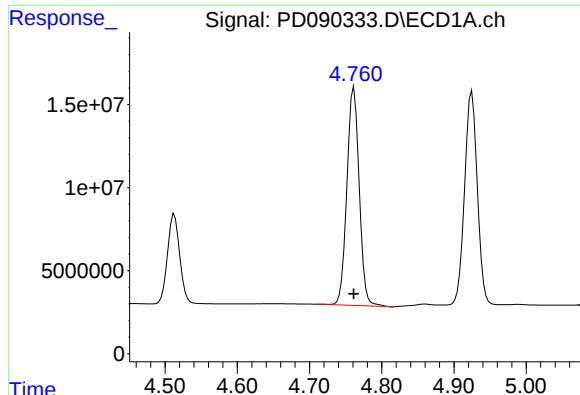
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 64059316
Conc: 26.00 ng/ml



#6 beta-BHC

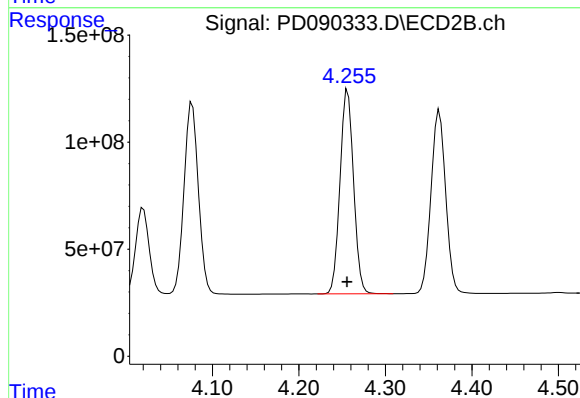
R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 438015052
Conc: 26.63 ng/ml



#7 delta-BHC

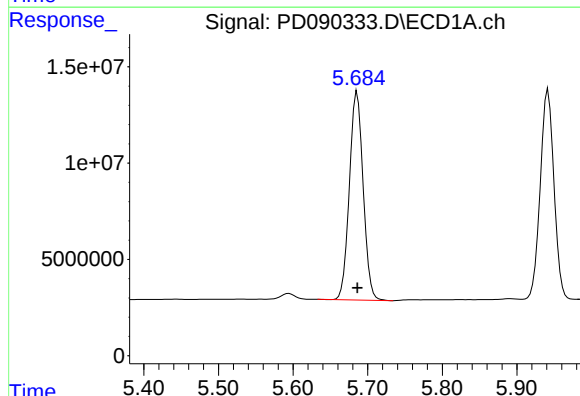
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 154914773
Conc: 24.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



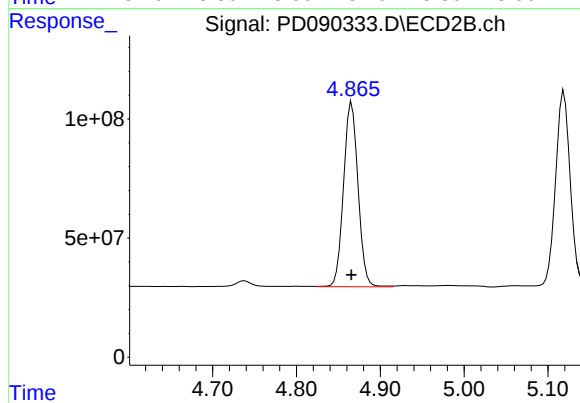
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1031320788
Conc: 26.03 ng/ml



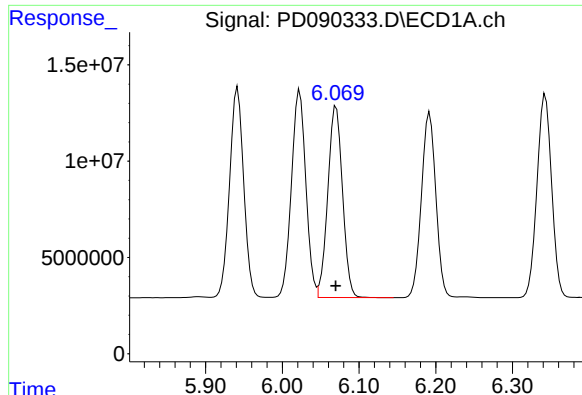
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 138738621
Conc: 25.13 ng/ml



#8 Heptachlor epoxide

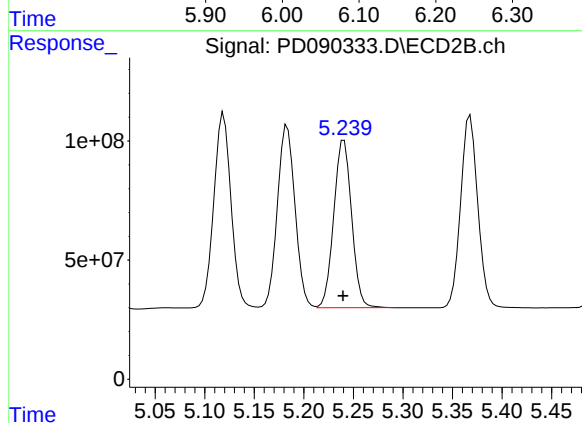
R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 930092968
Conc: 26.66 ng/ml



#9 Endosulfan I

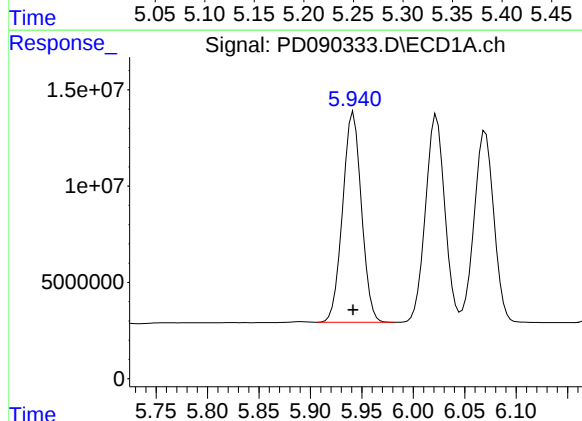
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 132405225
Conc: 25.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



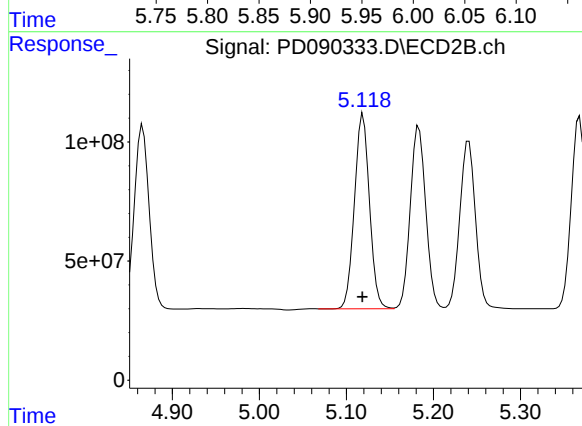
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 881026712
Conc: 26.63 ng/ml



#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 138757109
Conc: 24.85 ng/ml



#10 gamma-Chlordane

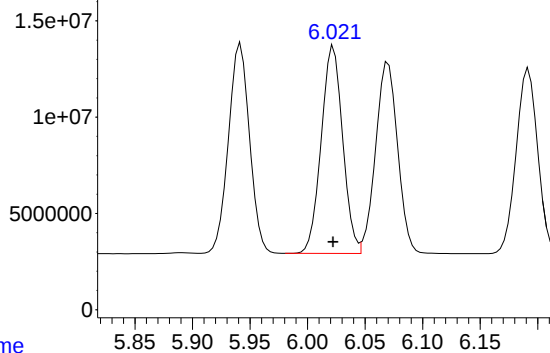
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 984171821
Conc: 26.22 ng/ml

Response_

Signal: PD090333.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 140499730
Conc: 25.07 ng/ml

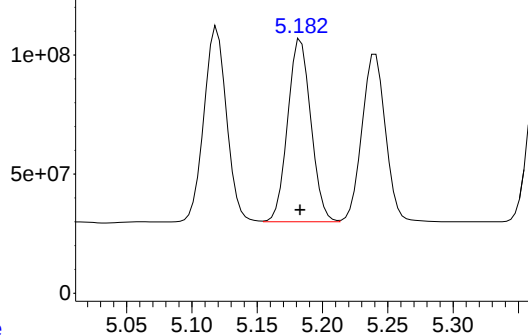
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#11 alpha-Chlordane



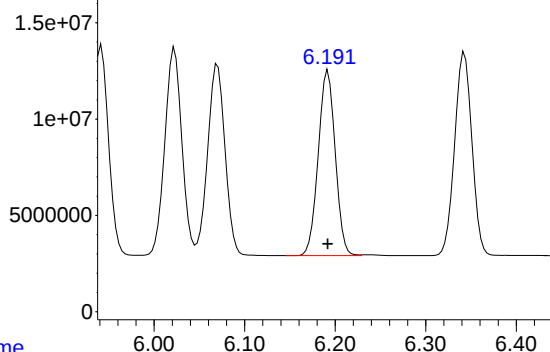
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 948136028
Conc: 26.35 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#12 4,4'-DDE



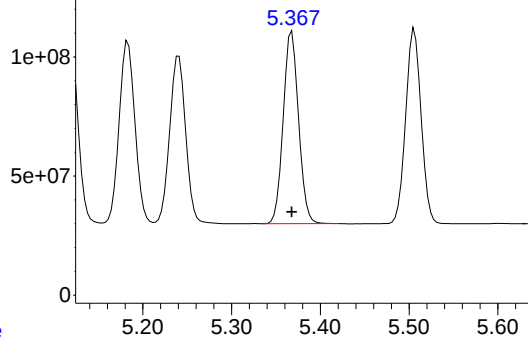
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 125610676
Conc: 24.49 ng/ml

Time

Response_

Signal: PD090333.D\ECD2B.ch

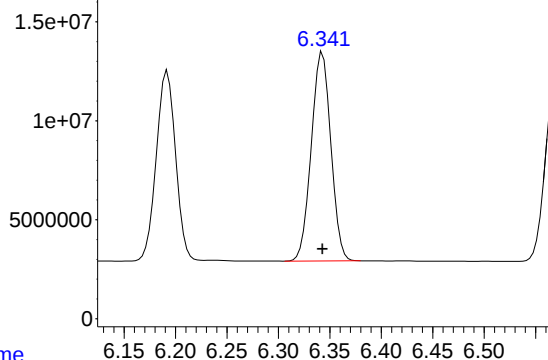
#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 969076092
Conc: 26.42 ng/ml

Time

Response_ Signal: PD090333.D\ECD1A.ch

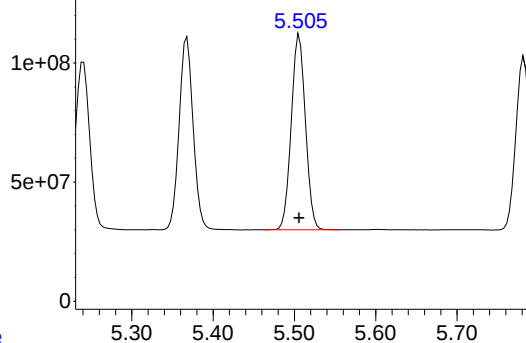


#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139796317
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

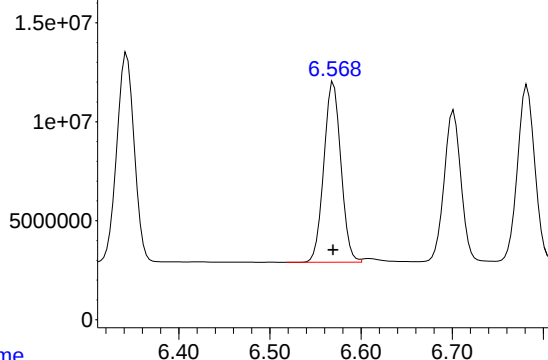
Time Response_ Signal: PD090333.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 988187991
Conc: 26.45 ng/ml

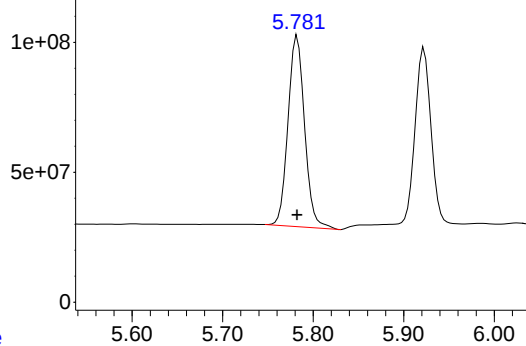
Time Response_ Signal: PD090333.D\ECD1A.ch



#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 118315739
Conc: 24.70 ng/ml

Time Response_ Signal: PD090333.D\ECD2B.ch



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 936258872
Conc: 27.52 ng/ml

Response_ Signal: PD090333.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 118294825
Conc: 24.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_ Signal: PD090333.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 856725923
Conc: 26.54 ng/ml

Time

Response_ Signal: PD090333.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 99114690
Conc: 24.69 ng/ml

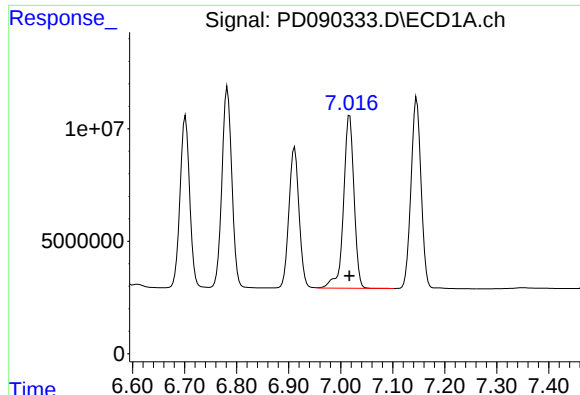
Time

Response_ Signal: PD090333.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 822587646
Conc: 26.53 ng/ml

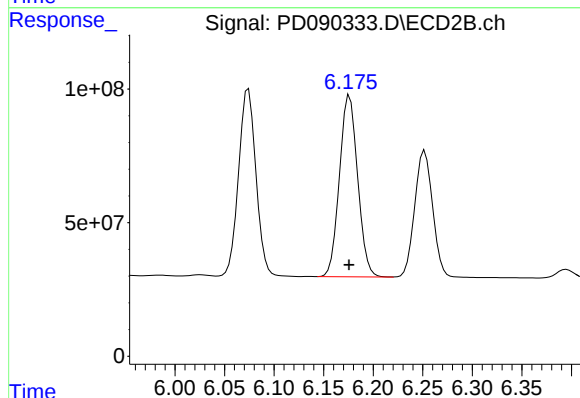
Time



#17 4,4'-DDT

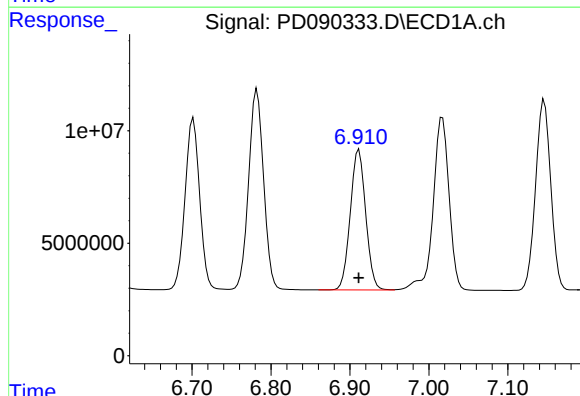
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 107884441
Conc: 24.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



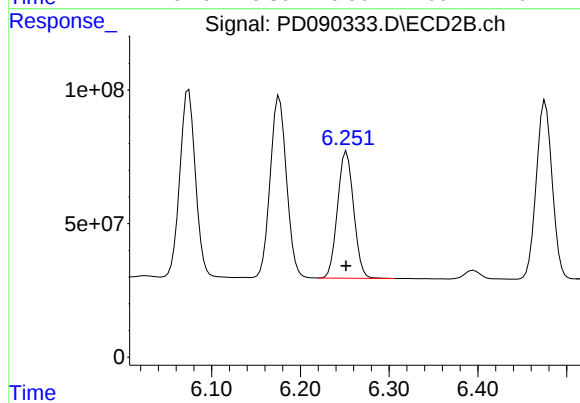
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 868412878
Conc: 26.12 ng/ml



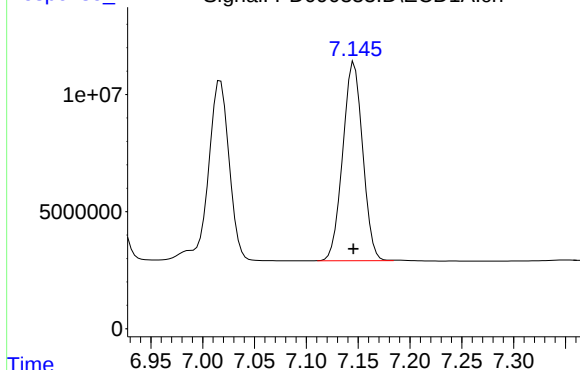
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 84815631
Conc: 25.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 597699980
Conc: 26.37 ng/ml



R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 113450456
Conc: 25.49 ng/ml

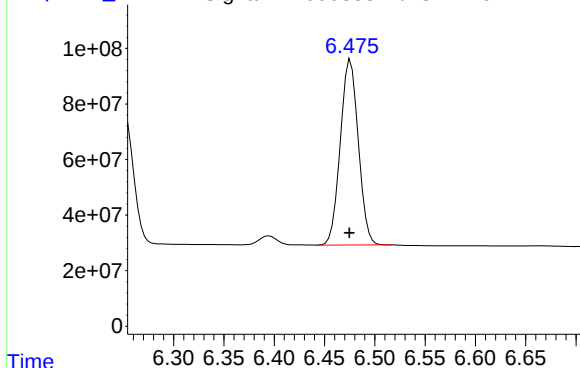
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#19 Endosulfan Sulfate



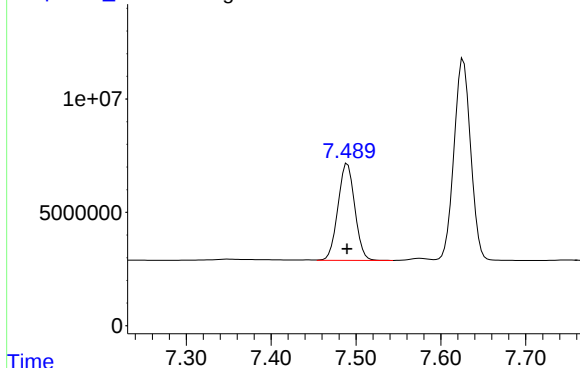
R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 829702220
Conc: 26.65 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#20 Methoxychlor



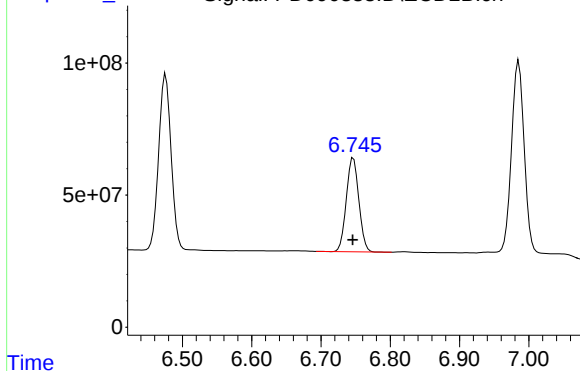
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 58886348
Conc: 26.13 ng/ml

Time

Response_

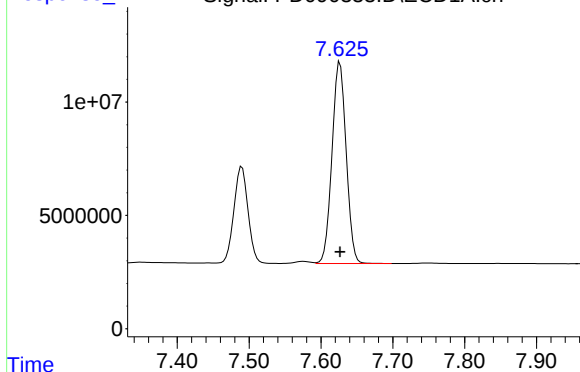
Signal: PD090333.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 447498155
Conc: 27.00 ng/ml

Time



R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 121625773
Conc: 25.37 ng/ml

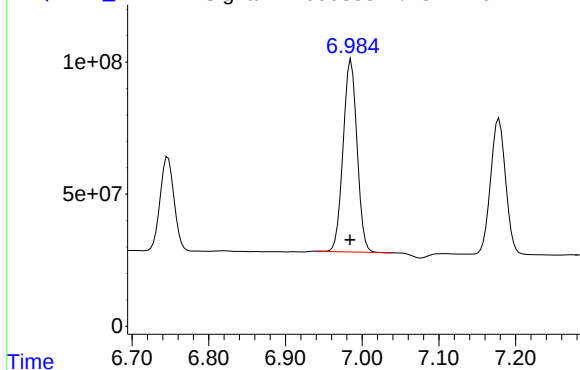
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#21 Endrin ketone



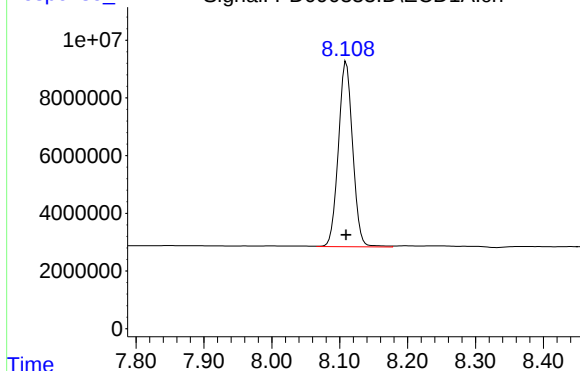
R.T.: 6.985 min
Delta R.T.: 0.001 min
Response: 919994231
Conc: 26.78 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#22 Mirex



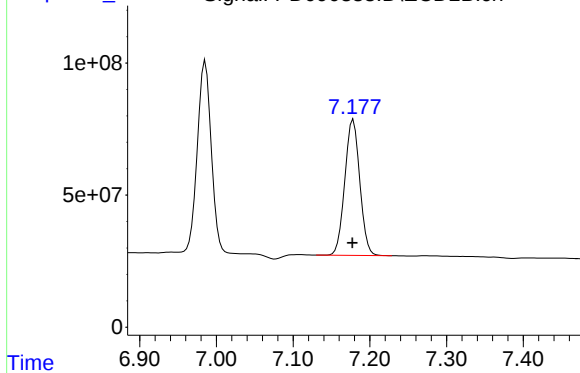
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 93886990
Conc: 26.91 ng/ml

Time

Response_

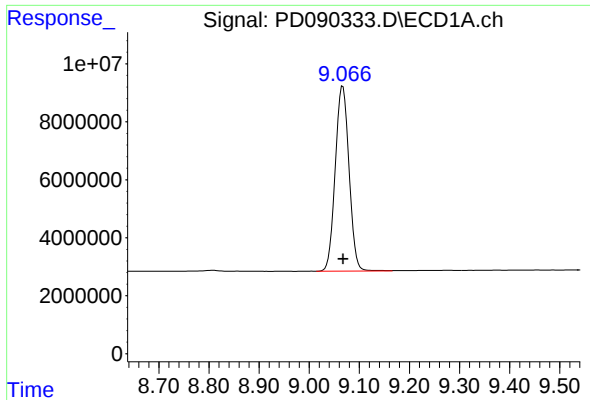
Signal: PD090333.D\ECD2B.ch

#22 Mirex



R.T.: 7.178 min
Delta R.T.: 0.001 min
Response: 701096687
Conc: 27.04 ng/ml

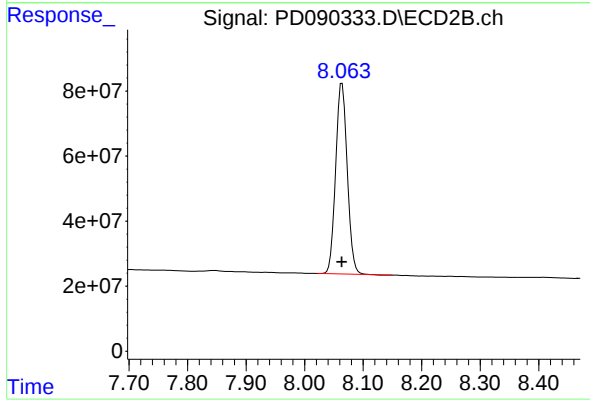
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 121939831
Conc: 26.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 805983061
Conc: 26.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 11:24
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 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	2.876	17825803	159.9E6	5.732m	6.147
28) SA Decachlor...	9.067	8.064	28924383	194.1E6	6.331	6.405
Target Compounds						
2) A alpha-BHC	3.995	3.388	32409405	246.0E6	4.677	5.874 #
3) MA gamma-BHC...	4.326	3.724	31965550	230.5E6	4.899	5.927
4) MA Heptachlor	4.923	4.076	33247136	235.0E6	5.126m	6.042
5) MB Aldrin	5.266	4.362	31981202	226.7E6	5.130	5.922
6) B beta-BHC	4.513	4.020	14541568	101.7E6	5.901	6.181
7) B delta-BHC	4.760	4.256	30051030	232.7E6	4.669m	5.873 #
8) B Heptachlo...	5.686	4.866	30902364	222.2E6	5.598	6.371
9) A Endosulfan I	6.070	5.240	28890370	201.8E6	5.506	6.101
10) B gamma-Chl...	5.941	5.119	29291567	225.3E6	5.245	6.002
11) B alpha-Chl...	6.022	5.183	30398915	216.3E6	5.424	6.010
12) B 4,4'-DDE	6.191	5.367	26114536	217.7E6	5.092	5.935m
13) MA Dieldrin	6.342	5.505	29402820	224.1E6	5.196	6.000
14) MA Endrin	6.569	5.781	25102642	207.6E6	5.240	6.103m
15) B Endosulfa...	6.782	6.074	26078573	197.3E6	5.470	6.111
16) A 4,4'-DDD	6.701	5.922	20863834	186.1E6	5.198	6.003
17) MA 4,4'-DDT	7.016	6.176	22380902	188.5E6	5.118	5.670
18) B Endrin al...	6.911	6.252	19263706	137.1E6	5.822	6.049
19) B Endosulfa...	7.145	6.475	25098674	192.3E6	5.639	6.177
20) A Methoxychlor	7.489	6.747	13357437	102.8E6	5.928	6.205
21) B Endrin ke...	7.627	6.985	26444173	214.2E6	5.516	6.234
22) Mirex	8.110	7.178	22153300	167.5E6	6.351	6.460

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

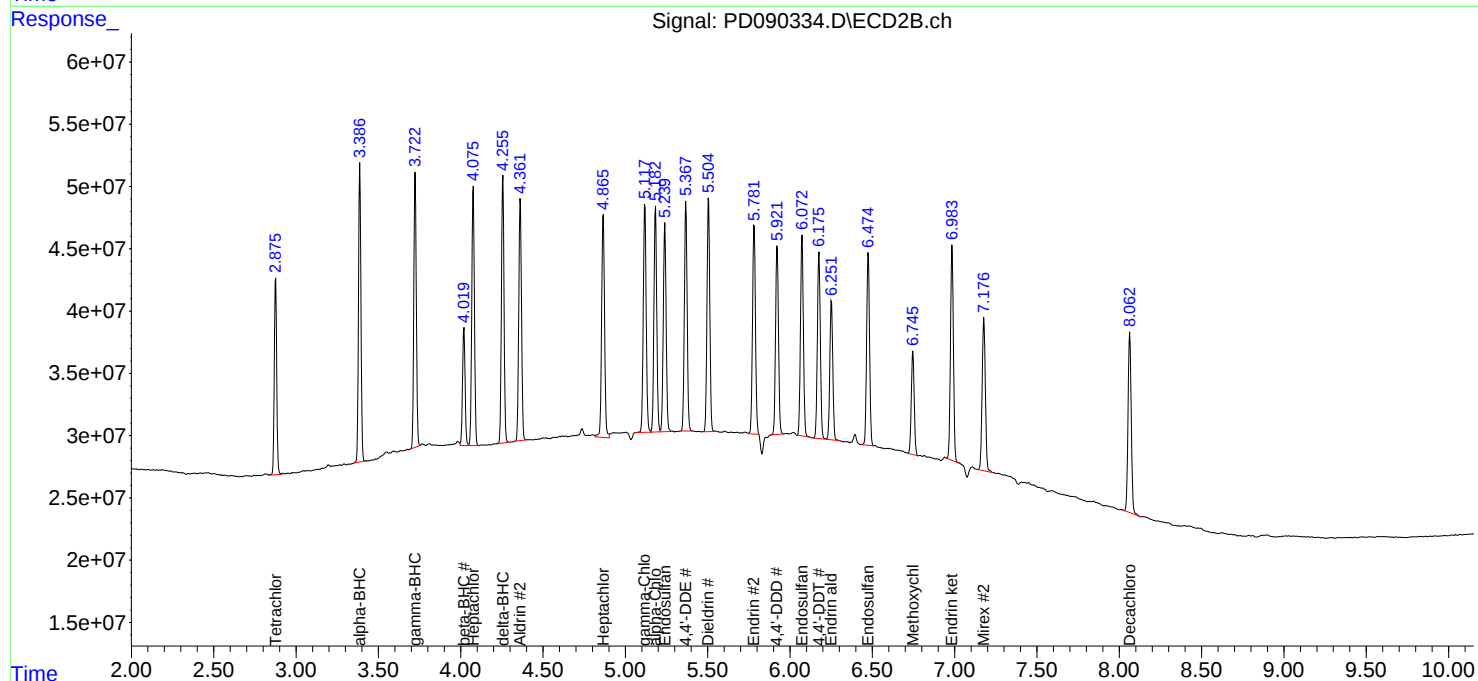
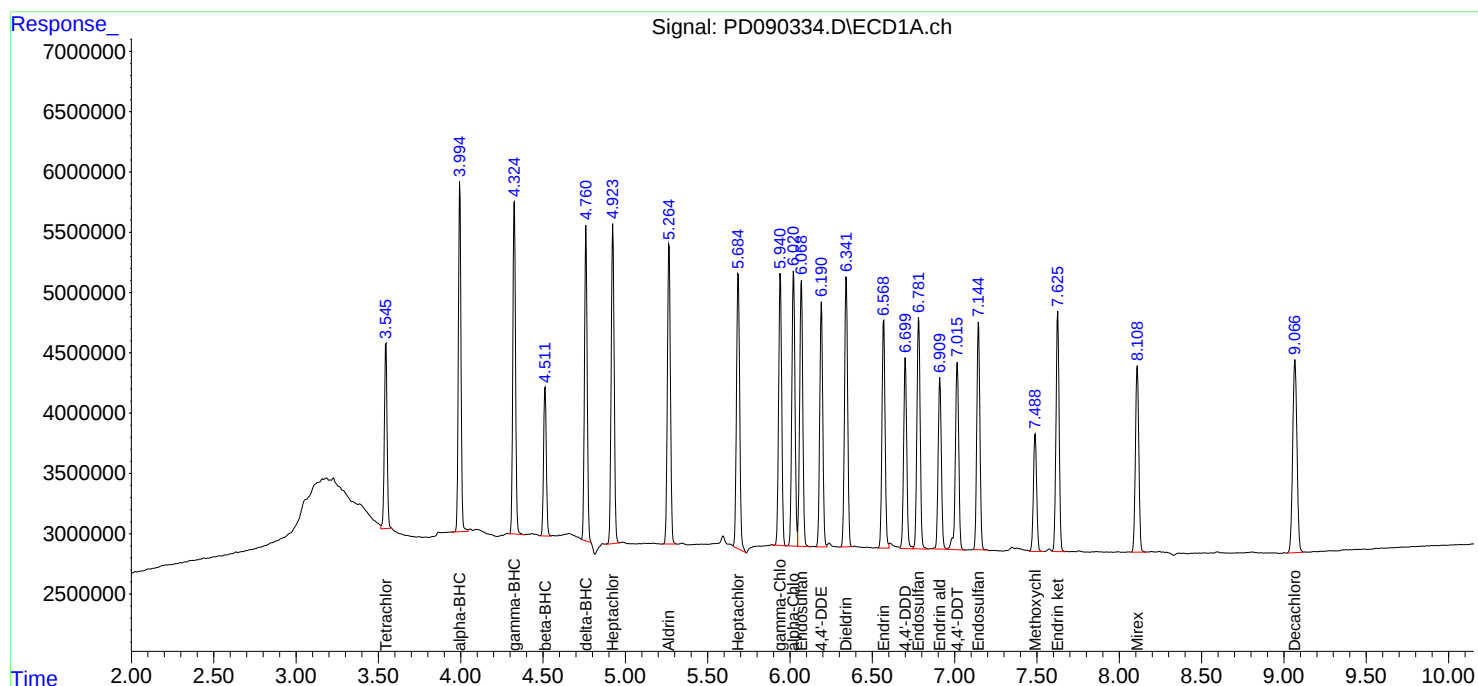
APPROVED

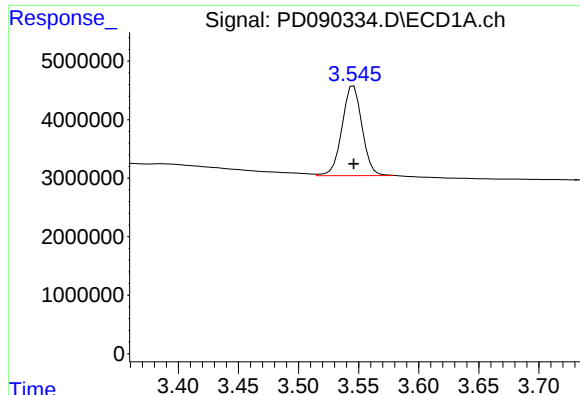
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 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.: -0.001 min
Response: 17825803
Conc: 5.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

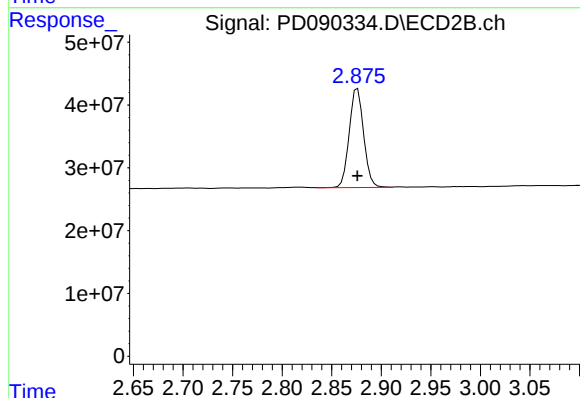
PSTDICC005

Manual Integrations

APPROVED

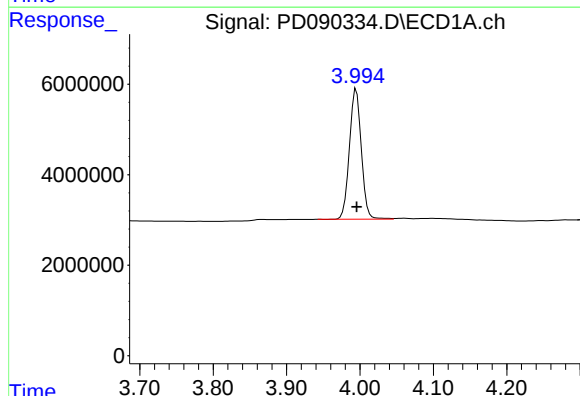
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



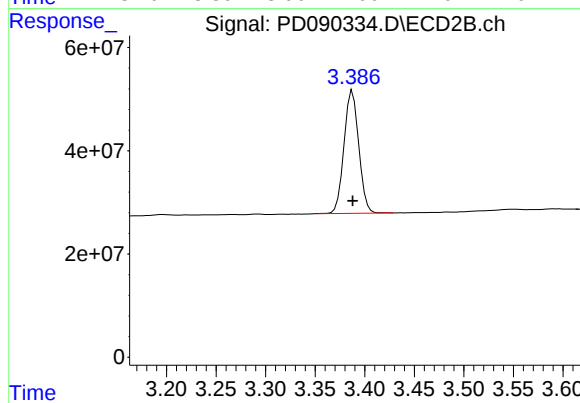
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 159888318
Conc: 6.15 ng/ml



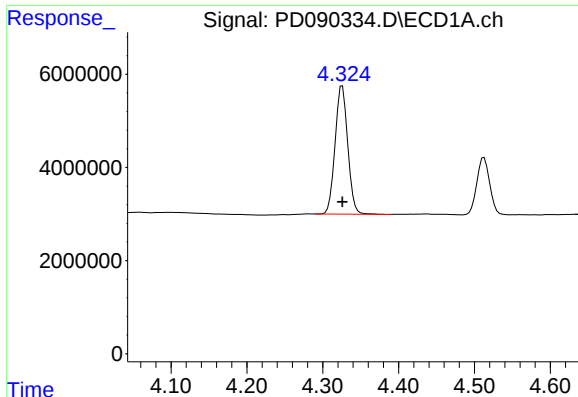
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 32409405
Conc: 4.68 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 245995366
Conc: 5.87 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 31965550
Conc: 4.90 ng/ml

Instrument :

ECD_D

ClientSampleId :

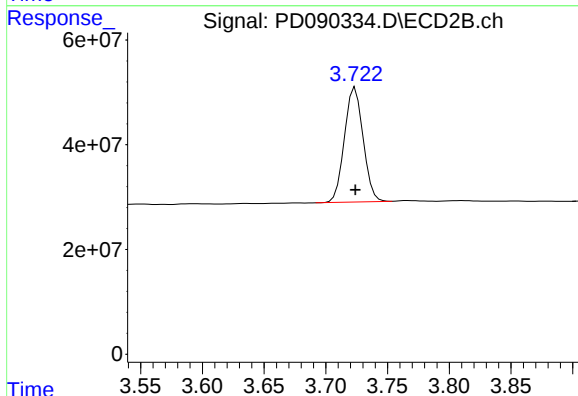
PSTDICC005

Manual Integrations

APPROVED

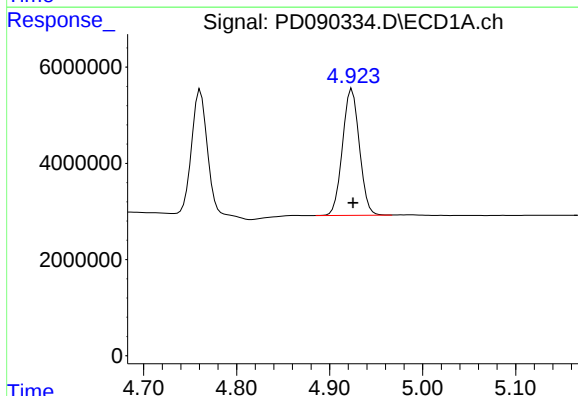
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



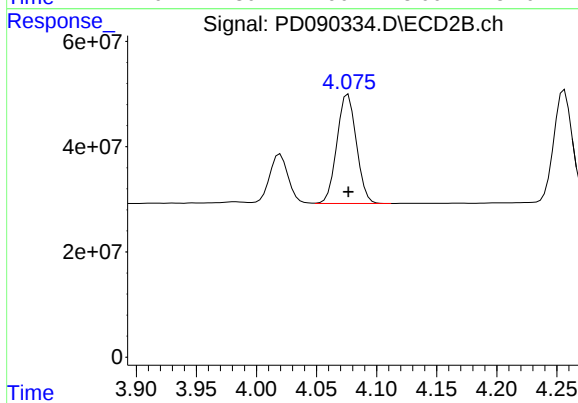
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 230522704
Conc: 5.93 ng/ml



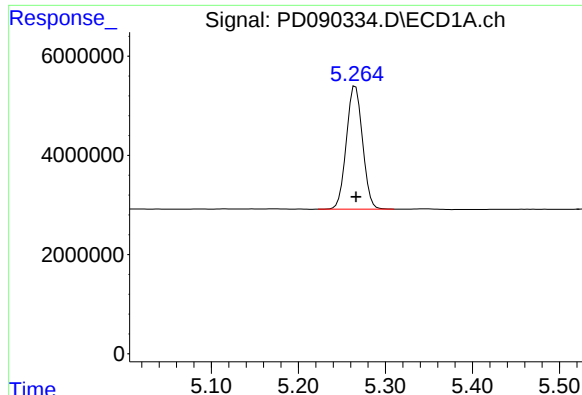
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 33247136
Conc: 5.13 ng/ml m



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 234951730
Conc: 6.04 ng/ml



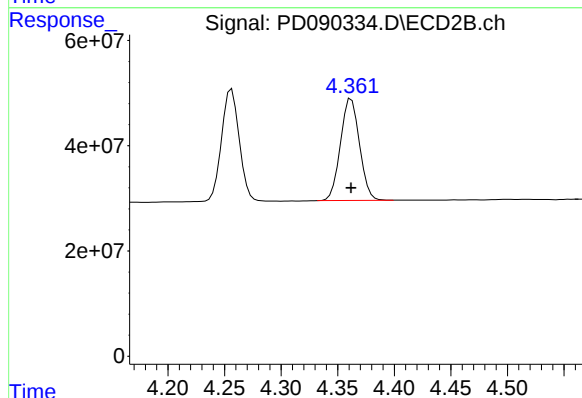
#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 31981202
Conc: 5.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#5 Aldrin

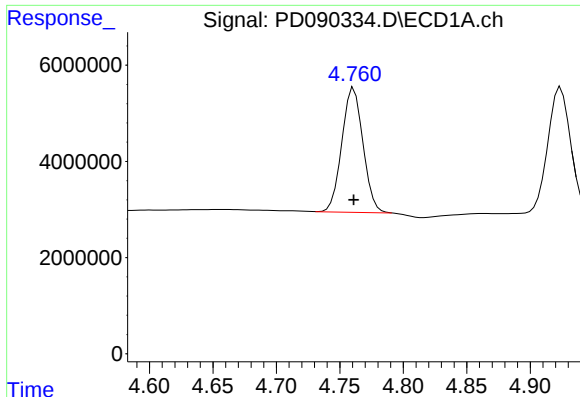
R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 226660252
Conc: 5.92 ng/ml

#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 14541568
Conc: 5.90 ng/ml

#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 101680104
Conc: 6.18 ng/ml



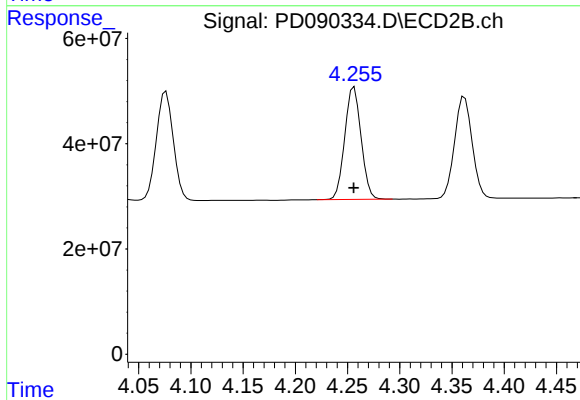
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 30051030
Conc: 4.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

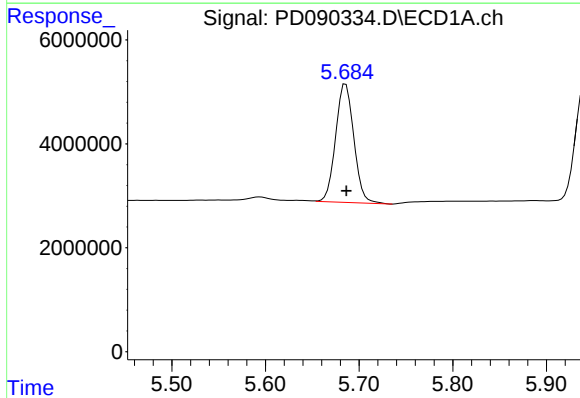
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



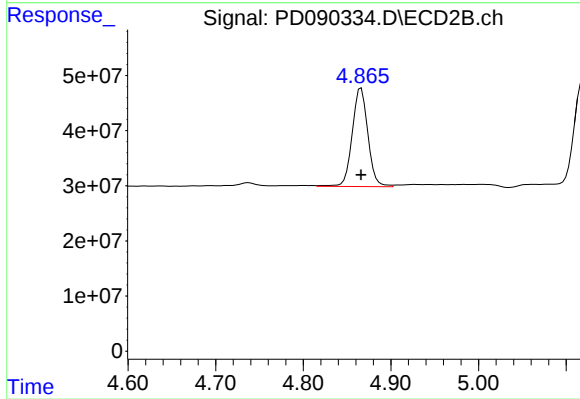
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 232712382
Conc: 5.87 ng/ml



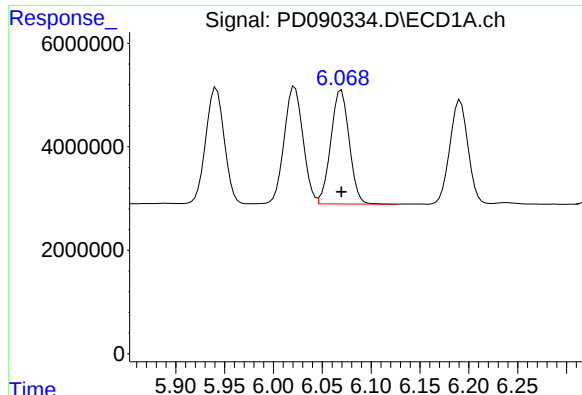
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 30902364
Conc: 5.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 222230173
Conc: 6.37 ng/ml



#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 28890370
Conc: 5.51 ng/ml

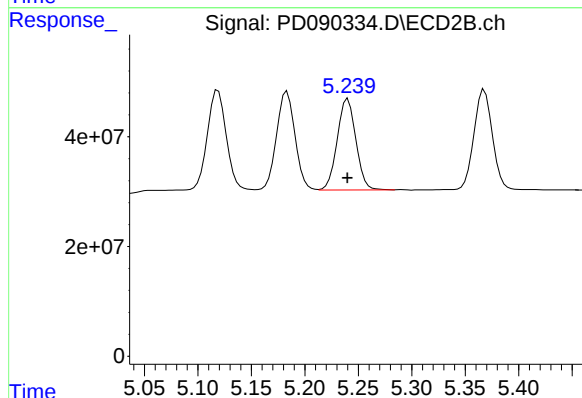
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Reviewed By :Abdul
Mirza

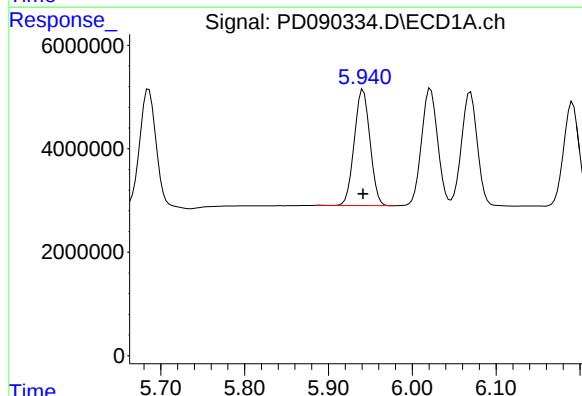
09/19/2025
Supervised By :mohammad
ahmed

09/22/2025



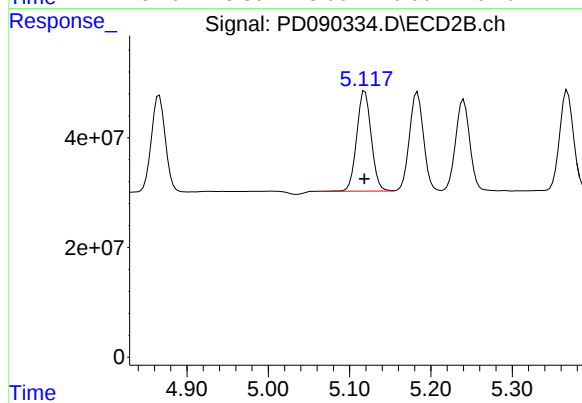
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 201843147
Conc: 6.10 ng/ml



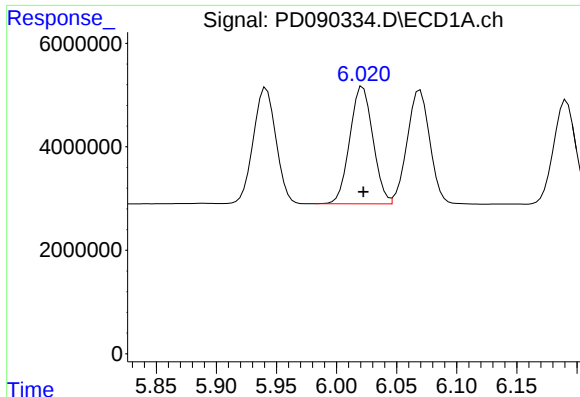
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 29291567
Conc: 5.24 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 225289175
Conc: 6.00 ng/ml



#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 30398915
Conc: 5.42 ng/ml

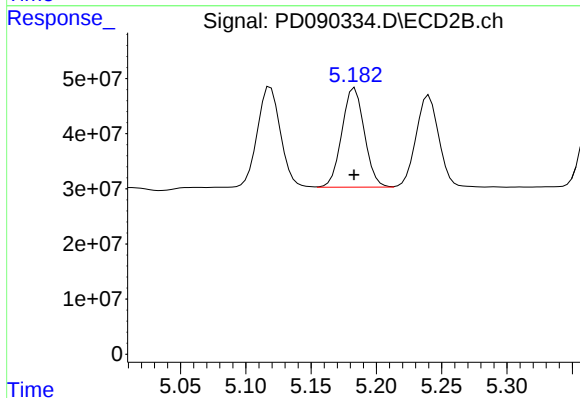
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Reviewed By :Abdul
Mirza

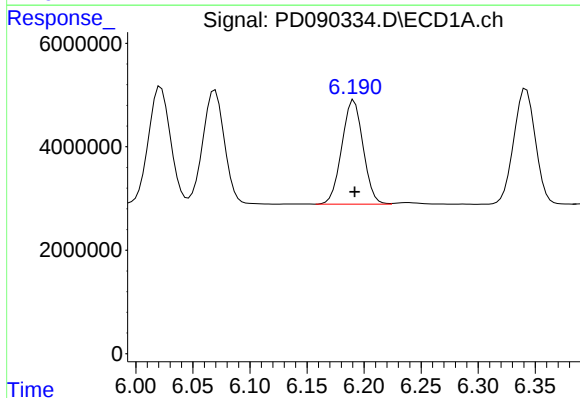
09/19/2025
Supervised By :mohammad
ahmed

09/22/2025



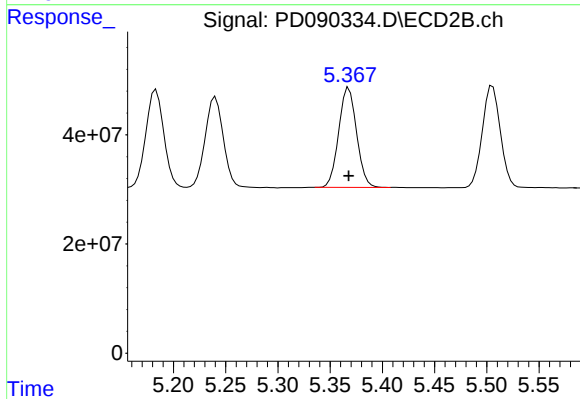
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 216275426
Conc: 6.01 ng/ml



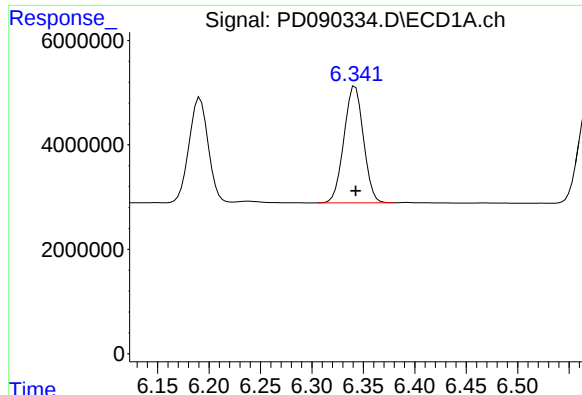
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 26114536
Conc: 5.09 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 217747685
Conc: 5.94 ng/ml m



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 29402820
Conc: 5.20 ng/ml

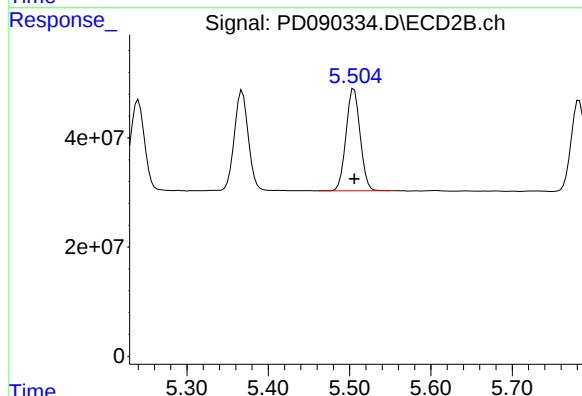
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Mirza

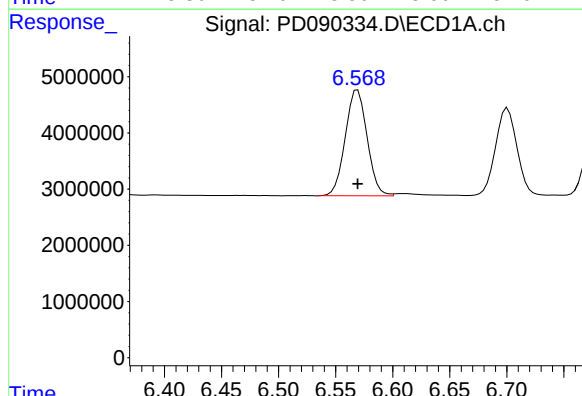
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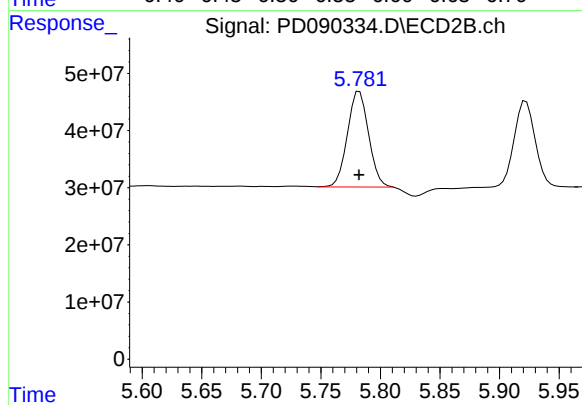
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 224143340
Conc: 6.00 ng/ml



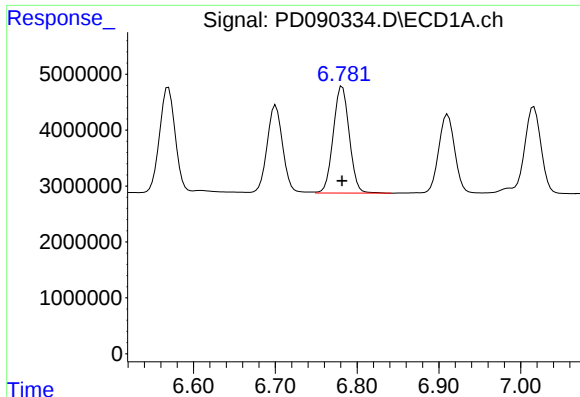
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 25102642
Conc: 5.24 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 207633420
Conc: 6.10 ng/ml m



#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 26078573
Conc: 5.47 ng/ml

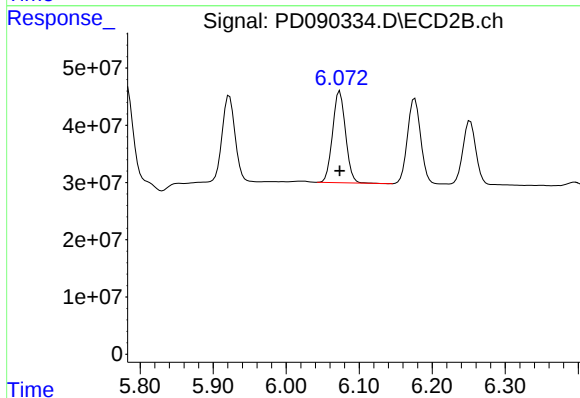
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Reviewed By :Abdul
Mirza

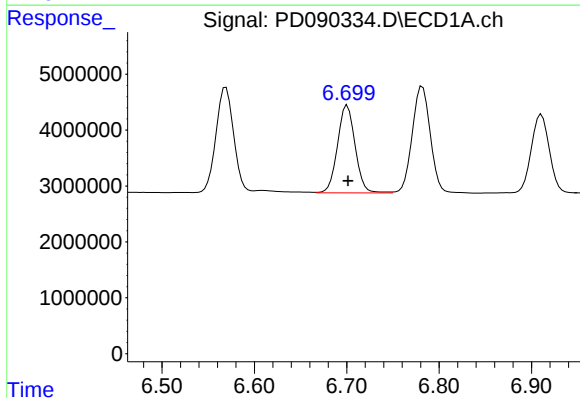
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ahmed

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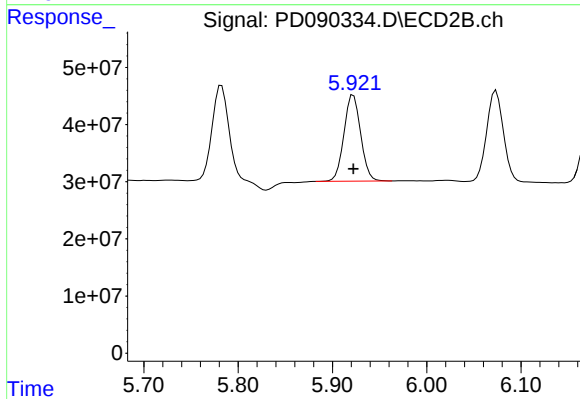
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 197294415
Conc: 6.11 ng/ml



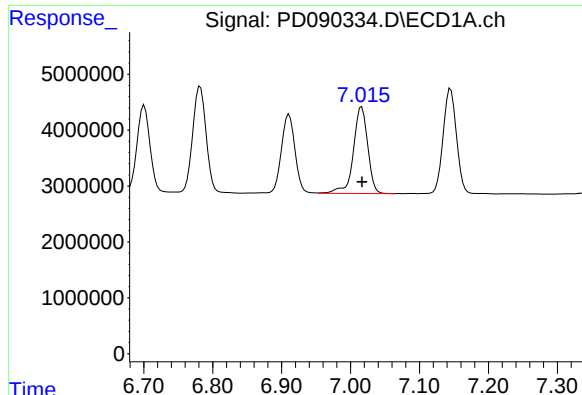
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 20863834
Conc: 5.20 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 186144610
Conc: 6.00 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 22380902
Conc: 5.12 ng/ml

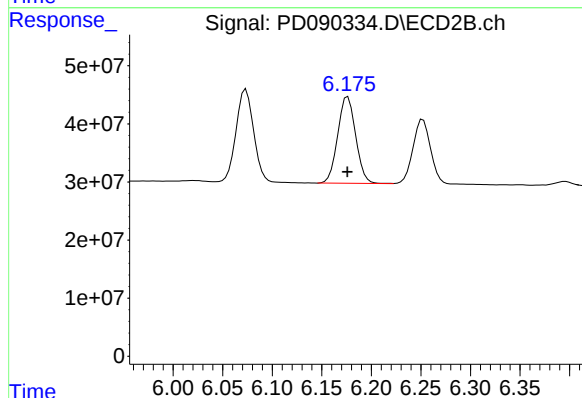
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Reviewed By :Abdul
Mirza

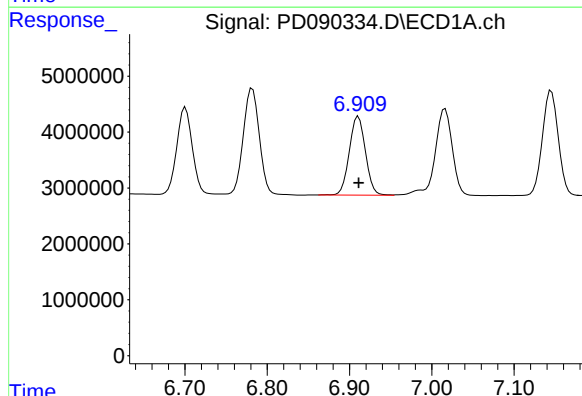
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ahmed

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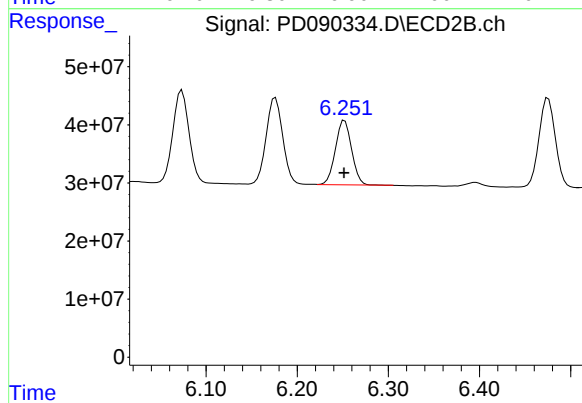
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 188527505
Conc: 5.67 ng/ml



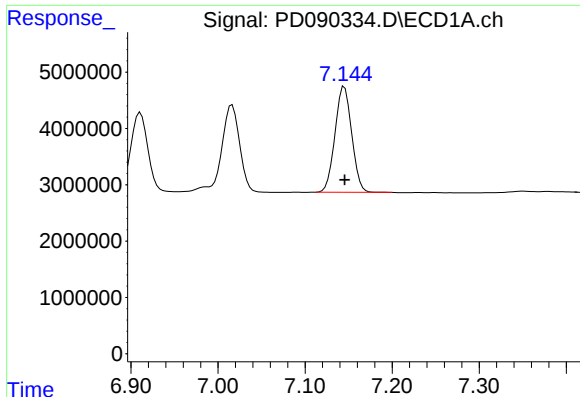
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 19263706
Conc: 5.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 137085224
Conc: 6.05 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 25098674
Conc: 5.64 ng/ml

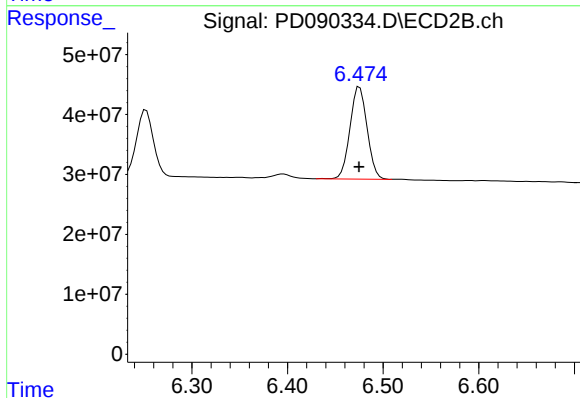
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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Reviewed By :Abdul
Mirza

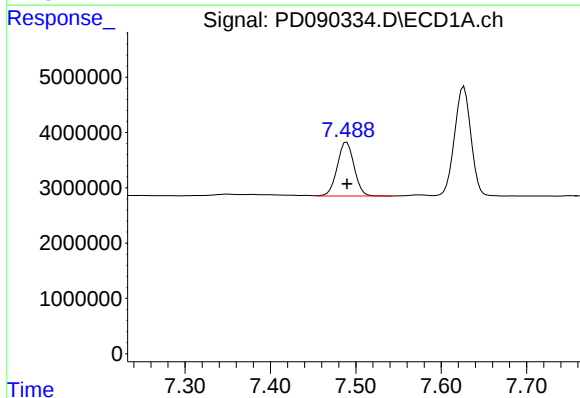
09/19/2025
Supervised By :mohammad
ahmed

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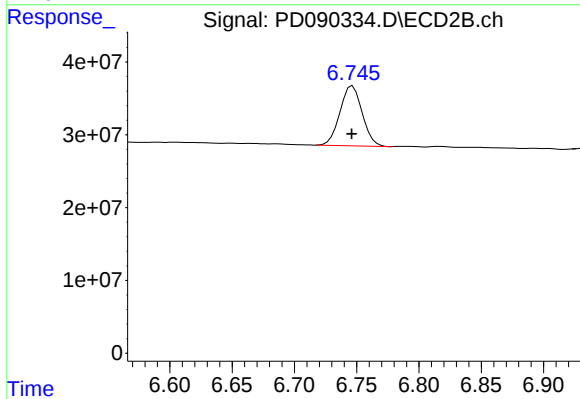
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 192281123
Conc: 6.18 ng/ml



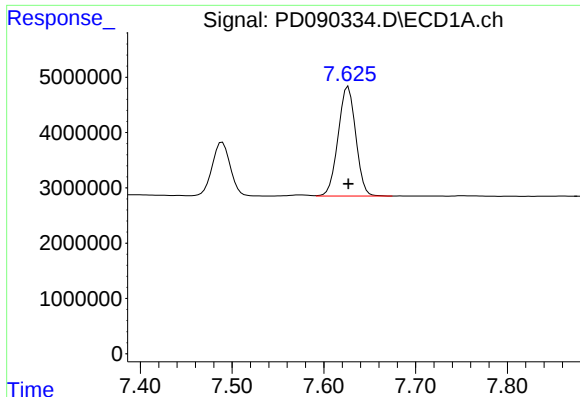
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 13357437
Conc: 5.93 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 102844152
Conc: 6.20 ng/ml



#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 26444173
Conc: 5.52 ng/ml

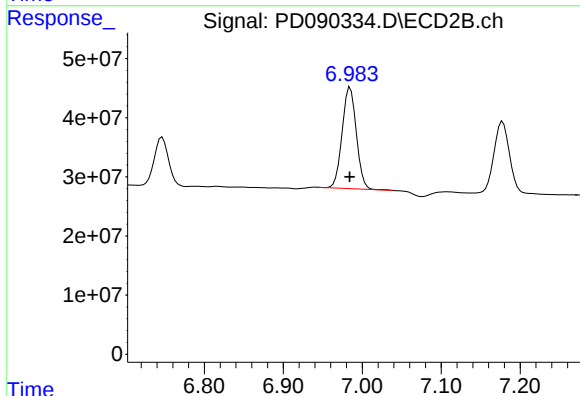
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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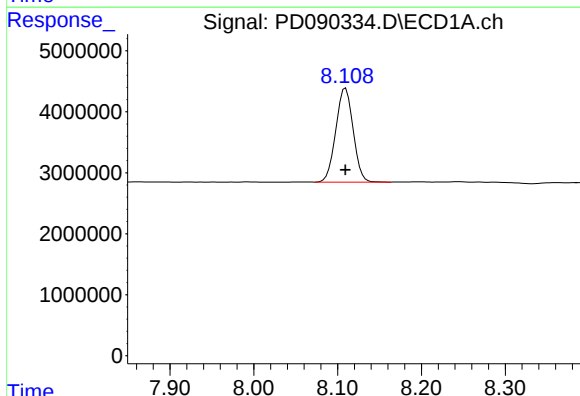
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ahmed

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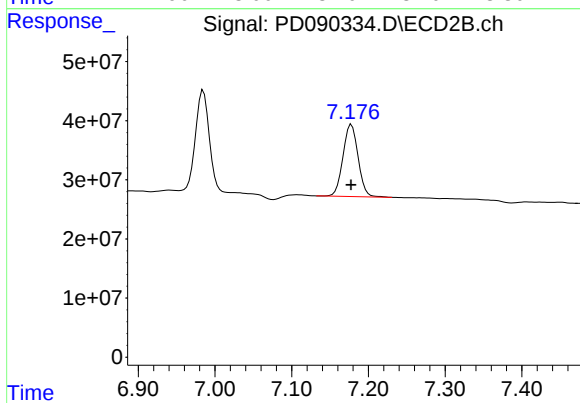
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 214191014
Conc: 6.23 ng/ml



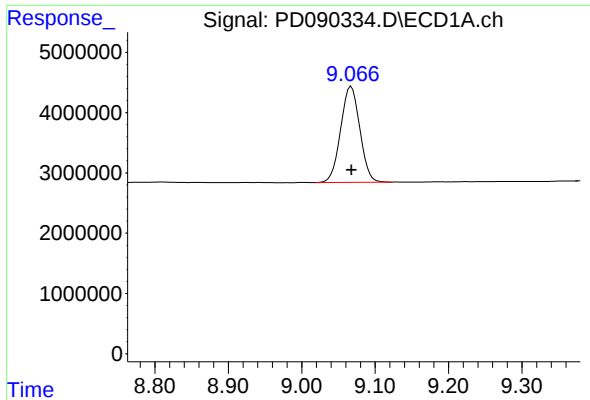
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 22153300
Conc: 6.35 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 167487946
Conc: 6.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 28924383
Conc: 6.33 ng/ml

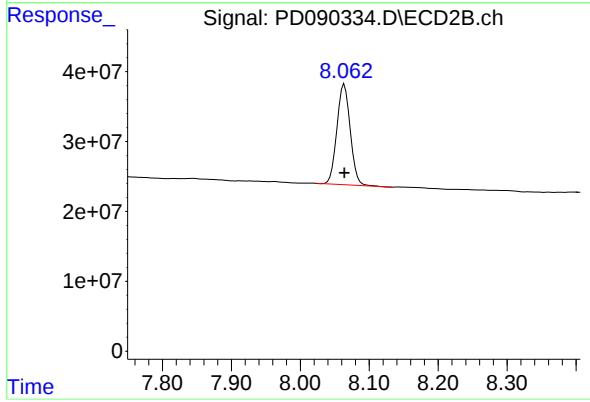
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Mirza

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ahmed

09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 194139774
Conc: 6.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
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: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 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...	3.546	2.876	131.5E6	1423.2E6	50.000	50.000
28) SA Decachlor...	9.067	8.064	198.1E6	1343.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.710	3.900	102.3E6	585.9E6	500.000	500.000
24) Chlordane-2	5.237	4.481	102.7E6	605.6E6	500.000	500.000
25) Chlordane-3	5.942	5.120	412.5E6	1831.3E6	500.000	500.000
26) Chlordane-4	6.027	5.184	498.7E6	1568.9E6	500.000	500.000
27) Chlordane-5	6.867	6.083	87350033	746.3E6	500.000	500.000

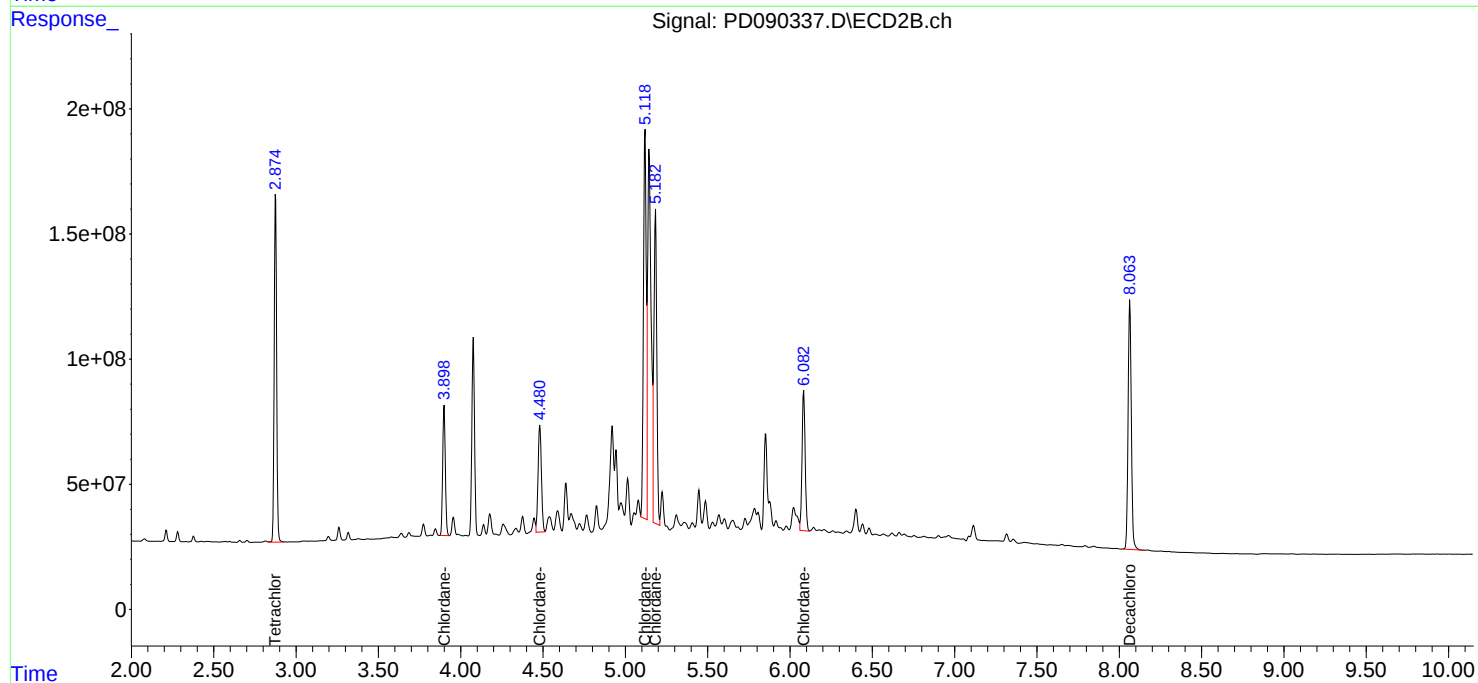
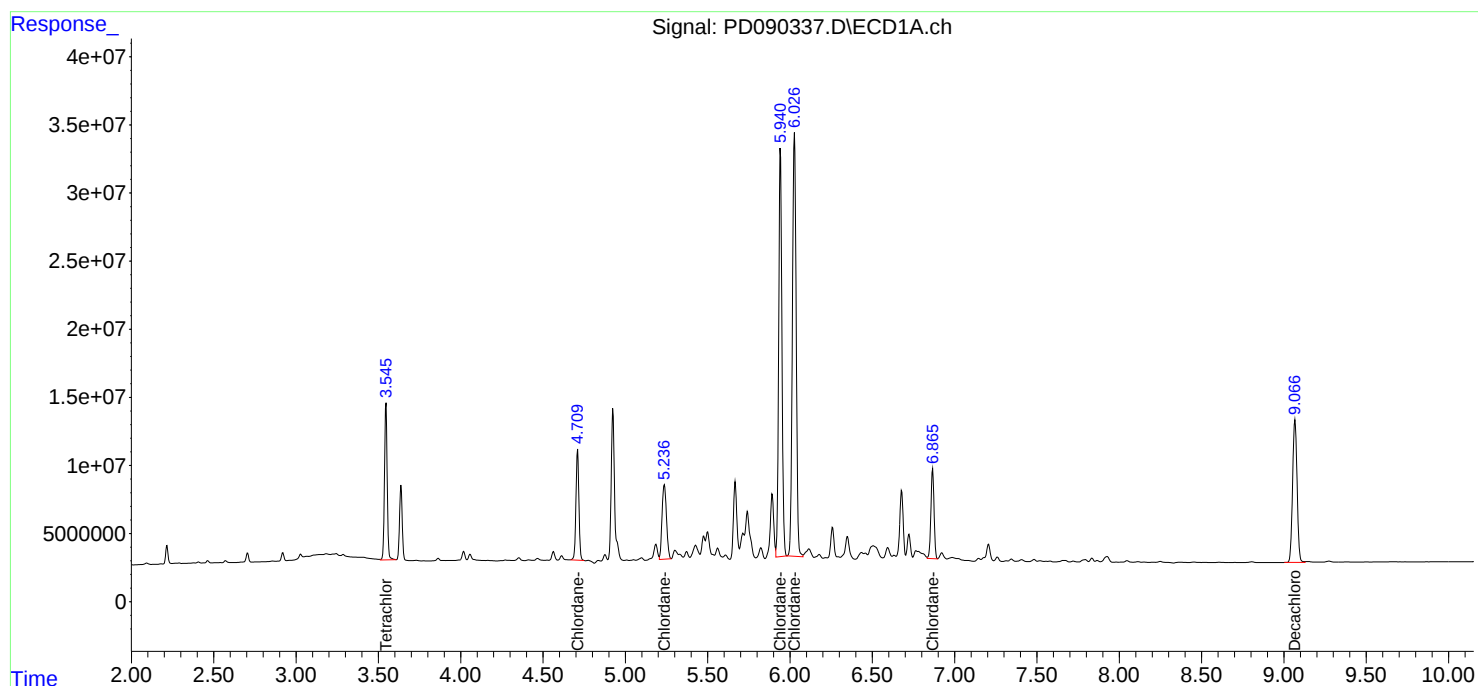
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

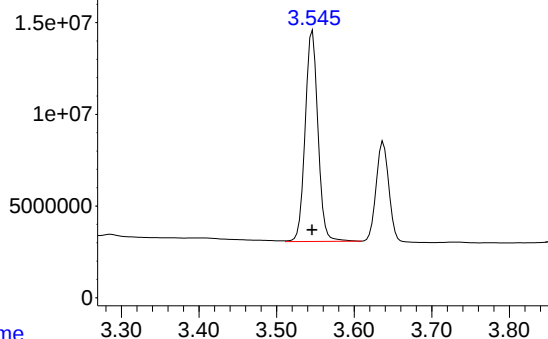
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 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: PD090337.D\ECD1A.ch

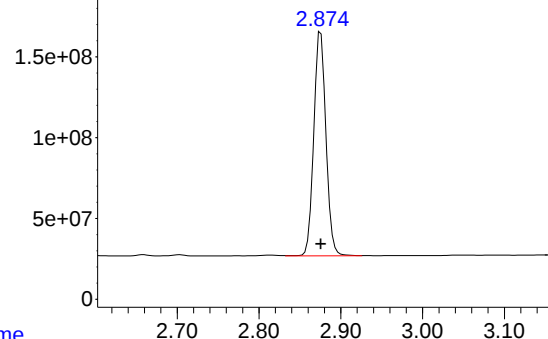


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 131534172
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

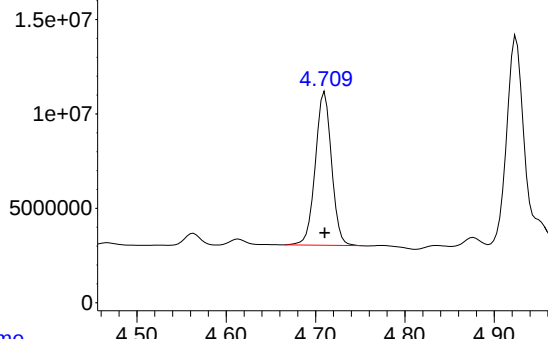
Time Response_ Signal: PD090337.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1423168585
Conc: 50.00 ng/ml

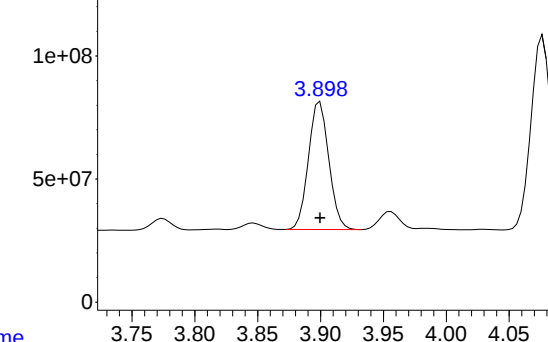
Time Response_ Signal: PD090337.D\ECD1A.ch



#23 Chlordane-1

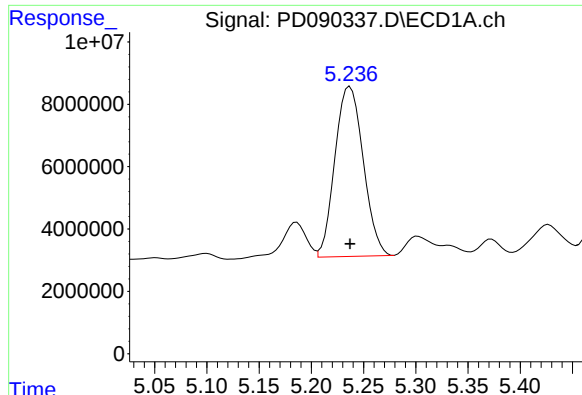
R.T.: 4.710 min
Delta R.T.: 0.000 min
Response: 102333996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090337.D\ECD2B.ch



#23 Chlordane-1

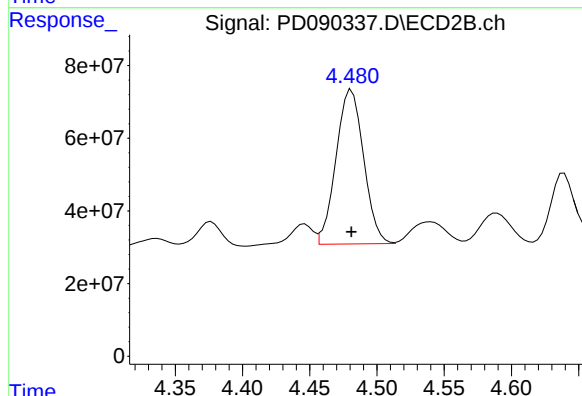
R.T.: 3.900 min
Delta R.T.: 0.000 min
Response: 585938946
Conc: 500.00 ng/ml



#24 Chlordane-2

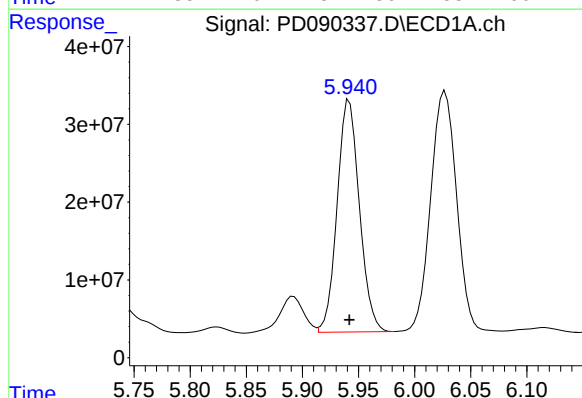
R.T.: 5.237 min
Delta R.T.: 0.000 min
Response: 102654028
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



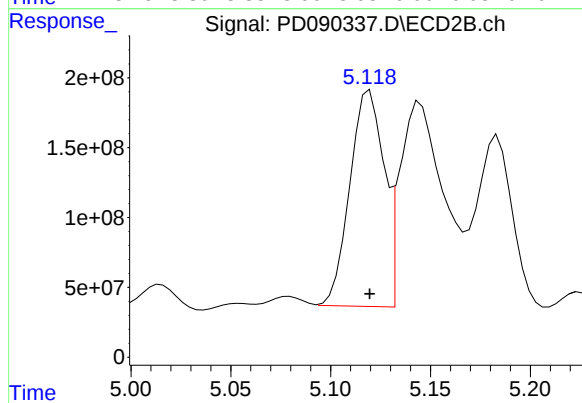
#24 Chlordane-2

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 605583802
Conc: 500.00 ng/ml



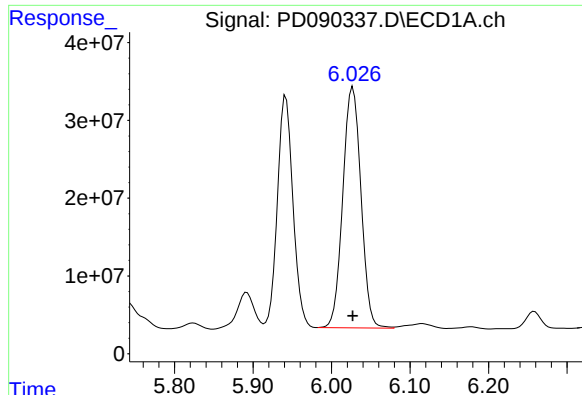
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 412476317
Conc: 500.00 ng/ml



#25 Chlordane-3

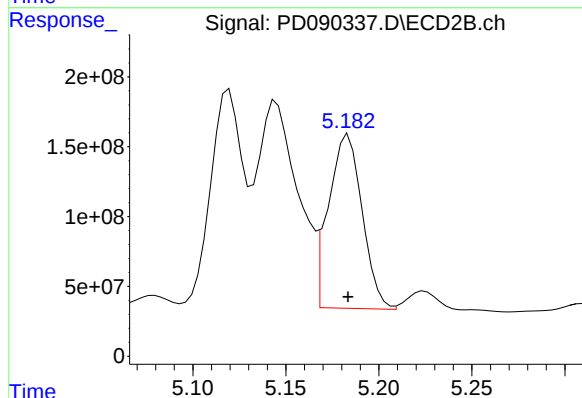
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1831272976
Conc: 500.00 ng/ml



#26 Chlordane-4

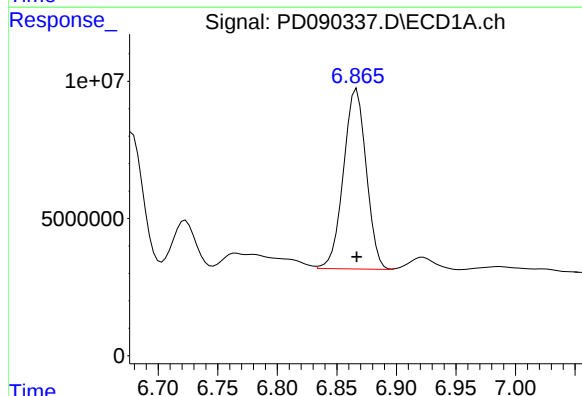
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 498703694
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



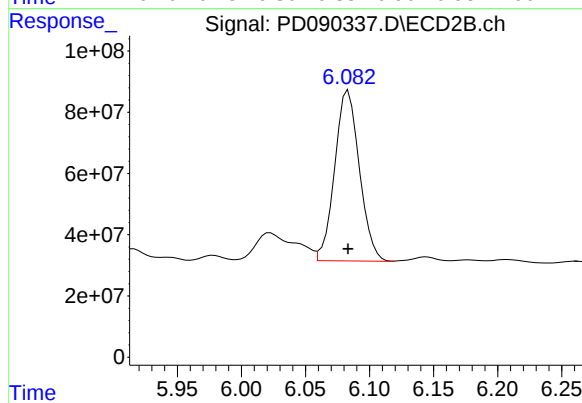
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1568903491
Conc: 500.00 ng/ml



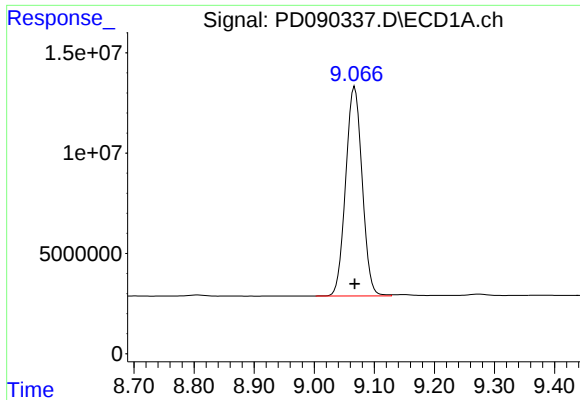
#27 Chlordane-5

R.T.: 6.867 min
Delta R.T.: 0.000 min
Response: 87350033
Conc: 500.00 ng/ml



#27 Chlordane-5

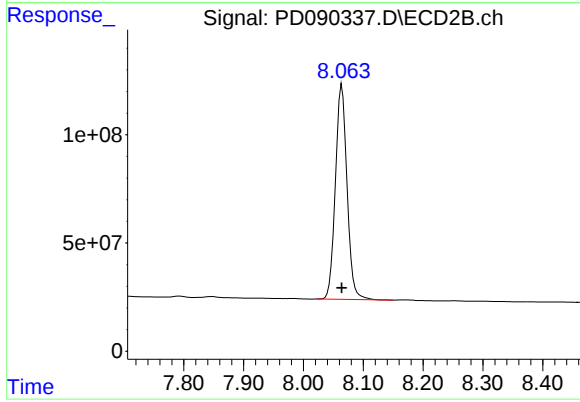
R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 746286612
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 198117827
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1343469412
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:12
 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: Sep 19 05:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:45:01 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

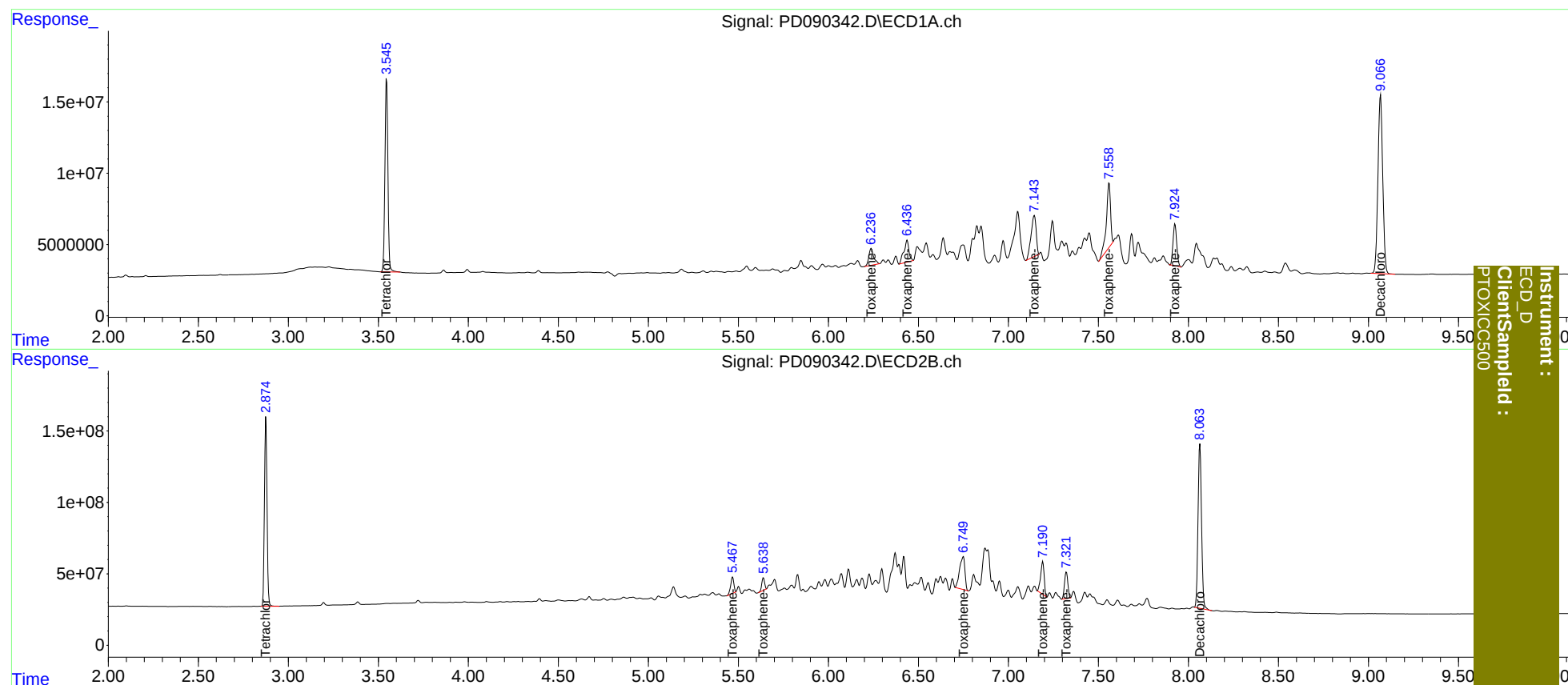
System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.875	154.0E6	1316.4E6	50.000	50.000
7) SA Decachlor...	9.067	8.064	232.3E6	1556.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.468	22194102	139.0E6	500.000	500.000
3) Toxaphene-2	6.438	5.639	30241683	93586595	500.000	500.000
4) Toxaphene-3	7.144	6.750	56828768	470.3E6	500.000	500.000
5) Toxaphene-4	7.559	7.191	73223973	311.4E6	500.000	500.000
6) Toxaphene-5	7.926	7.322	41700188	239.5E6	500.000	500.000

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

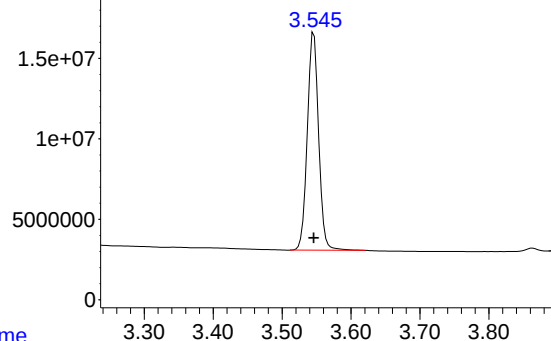
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:12
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:45:01 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



Response_ Signal: PD090342.D\ECD1A.ch

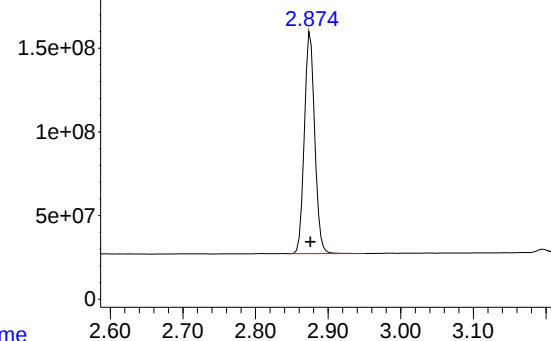


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 153969336
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

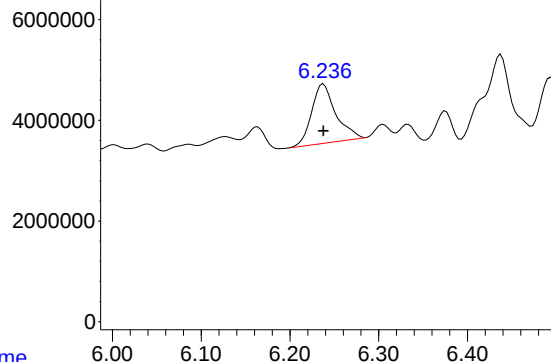
Time Response_ Signal: PD090342.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1316372043
Conc: 50.00 ng/ml

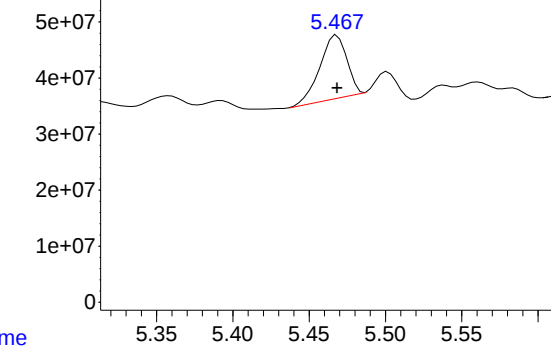
Time Response_ Signal: PD090342.D\ECD1A.ch



#2 Toxaphene-1

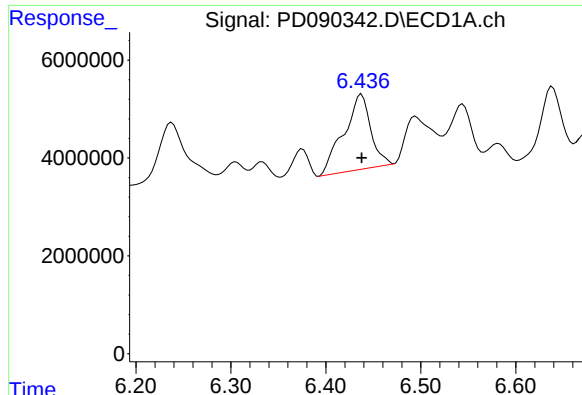
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 22194102
Conc: 500.00 ng/ml

Time Response_ Signal: PD090342.D\ECD2B.ch



#2 Toxaphene-1

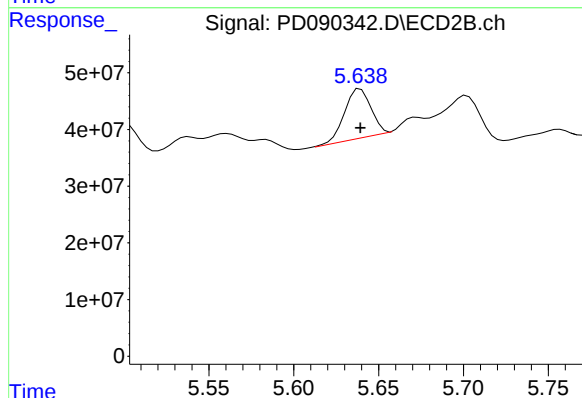
R.T.: 5.468 min
Delta R.T.: 0.000 min
Response: 138992222
Conc: 500.00 ng/ml



#3 Toxaphene-2

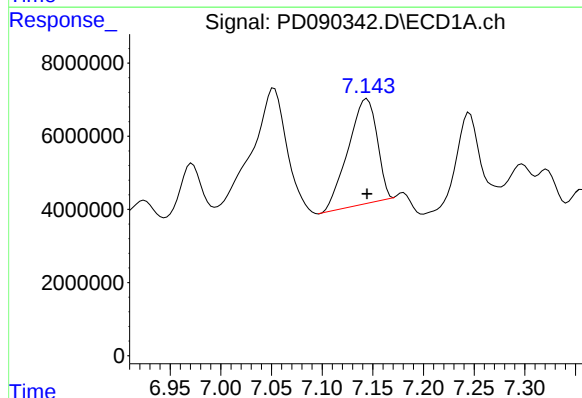
R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 30241683
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



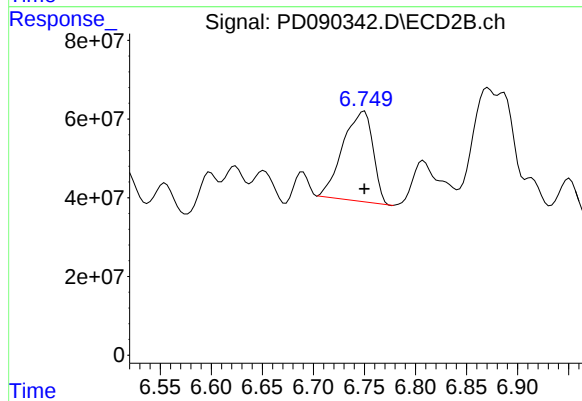
#3 Toxaphene-2

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 93586595
Conc: 500.00 ng/ml



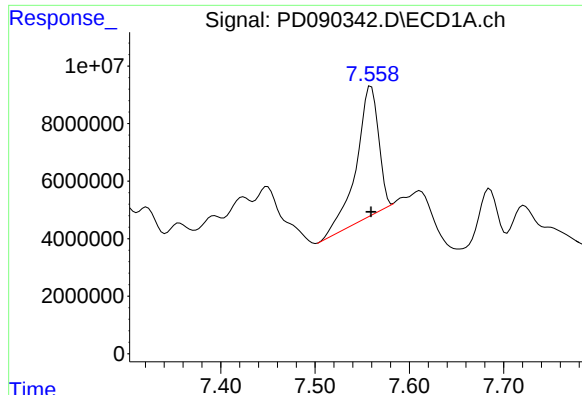
#4 Toxaphene-3

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 56828768
Conc: 500.00 ng/ml



#4 Toxaphene-3

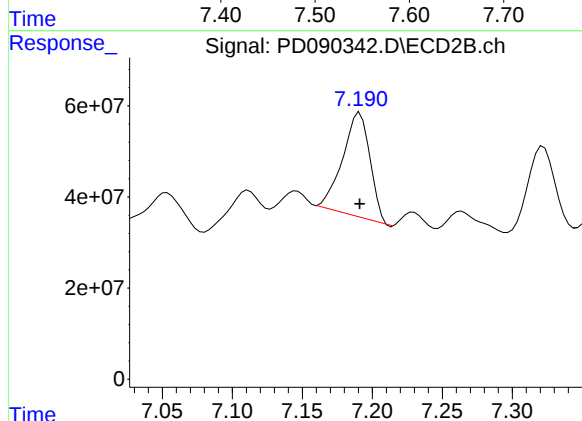
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 470296394
Conc: 500.00 ng/ml



#5 Toxaphene-4

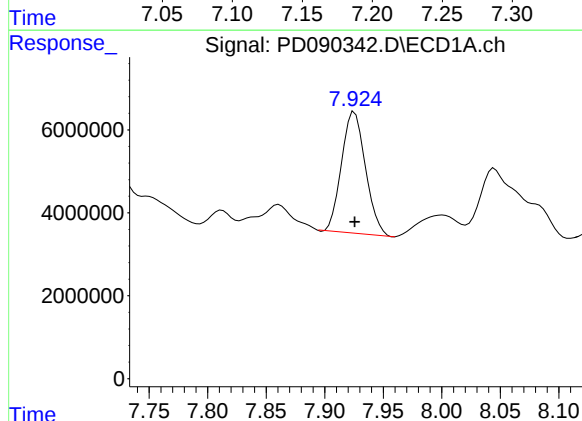
R.T.: 7.559 min
Delta R.T.: 0.000 min
Response: 73223973
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



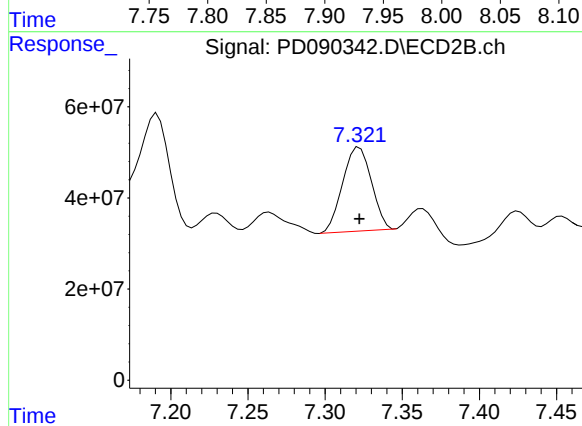
#5 Toxaphene-4

R.T.: 7.191 min
Delta R.T.: 0.000 min
Response: 311384389
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 41700188
Conc: 500.00 ng/ml



#6 Toxaphene-5

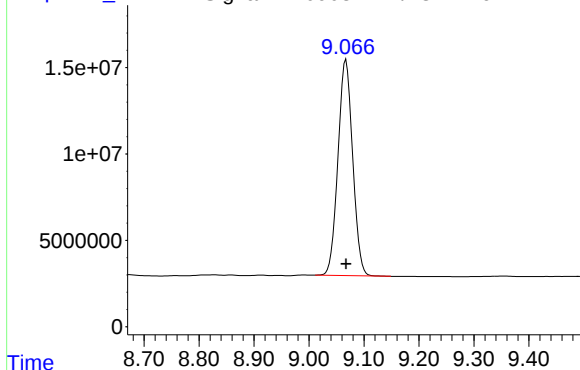
R.T.: 7.322 min
Delta R.T.: 0.000 min
Response: 239530893
Conc: 500.00 ng/ml

Response_

Signal: PD090342.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 232275171
Conc: 50.00 ng/ml

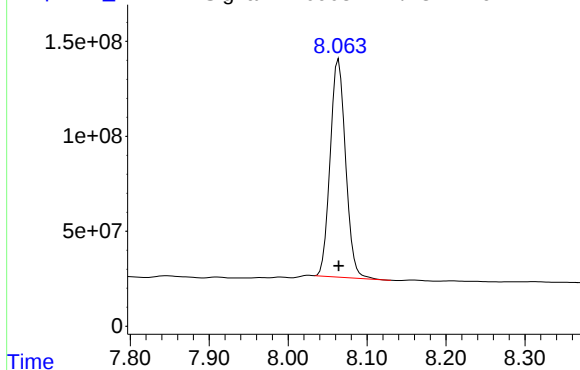
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090342.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1556333824
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:53
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.876	157.4E6	1319.9E6	48.428	48.082
28)	SA Decachlor...	9.067	8.064	233.8E6	1568.0E6	48.465	48.375
Target Compounds							
2)	A alpha-BHC	3.996	3.388	351.7E6	2123.5E6	50.350	48.500
3)	MA gamma-BHC...	4.326	3.724	330.8E6	1969.8E6	49.987	48.355
4)	MA Heptachlor	4.925	4.076	325.8E6	1968.1E6	49.274	48.335
5)	MB Aldrin	5.266	4.362	315.4E6	1930.2E6	49.669	48.334
6)	B beta-BHC	4.513	4.020	124.9E6	831.7E6	48.395	47.975
7)	B delta-BHC	4.760	4.256	323.6E6	2001.0E6	50.107m	48.457
8)	B Heptachlo...	5.687	4.866	279.1E6	1766.9E6	48.842	47.930
9)	A Endosulfan I	6.070	5.240	265.5E6	1670.3E6	49.149	48.268
10)	B gamma-Chl...	5.942	5.119	282.7E6	1894.5E6	49.490	48.224
11)	B alpha-Chl...	6.023	5.183	283.5E6	1815.3E6	49.204	48.195
12)	B 4,4'-DDE	6.192	5.368	259.4E6	1854.9E6	49.812	48.458
13)	MA Dieldrin	6.343	5.506	286.4E6	1884.9E6	49.683	48.397
14)	MA Endrin	6.570	5.782	242.8E6	1721.2E6	49.612	48.036
15)	B Endosulfa...	6.782	6.074	246.0E6	1633.1E6	50.439	48.386
16)	A 4,4'-DDD	6.702	5.923	204.5E6	1574.5E6	49.914	48.554
17)	MA 4,4'-DDT	7.017	6.177	223.7E6	1690.5E6	50.245	49.173
18)	B Endrin al...	6.912	6.252	171.2E6	1146.7E6	49.898	48.698
19)	B Endosulfa...	7.146	6.476	226.4E6	1576.6E6	49.206	48.229
20)	A Methoxychlor	7.490	6.747	115.7E6	851.6E6	49.103	48.941
21)	B Endrin ke...	7.626	6.985	244.7E6	1750.8E6	49.463	48.494
22)	Mirex	8.109	7.178	179.2E6	1323.1E6	48.364	47.928

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

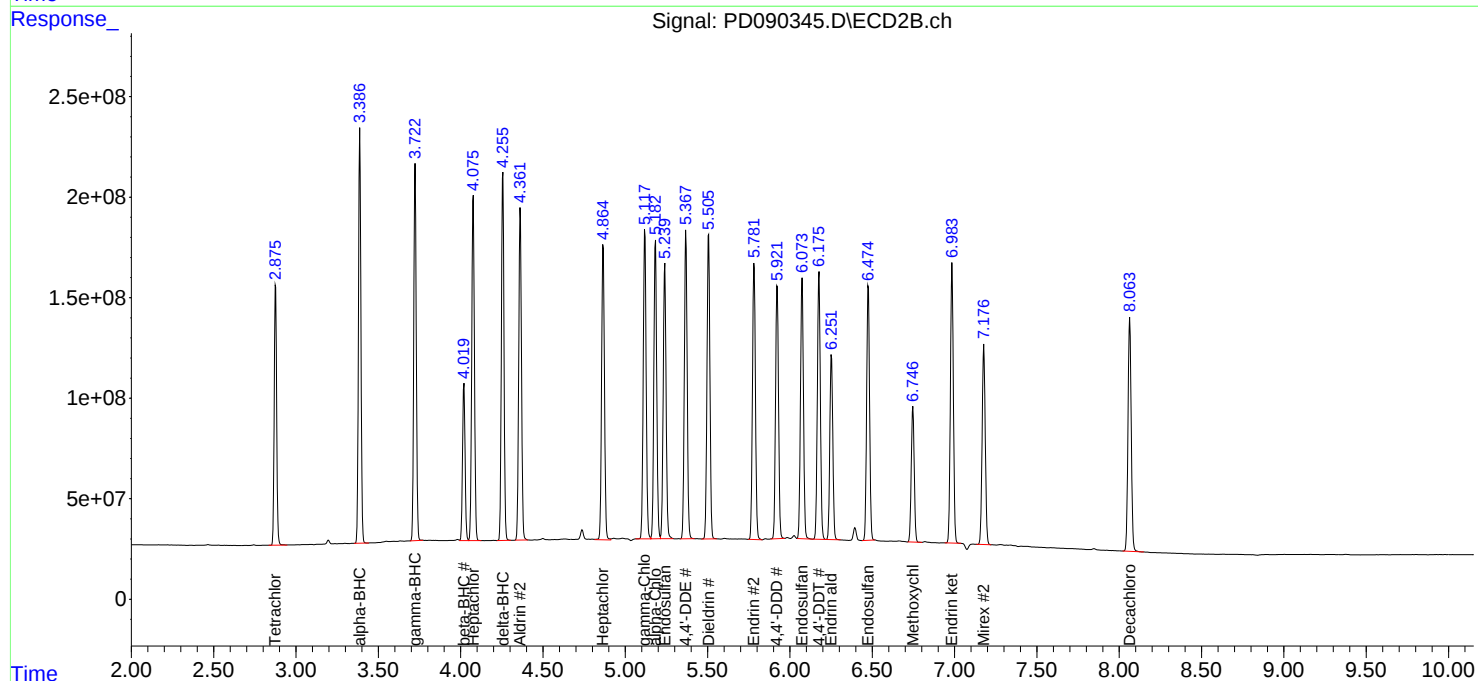
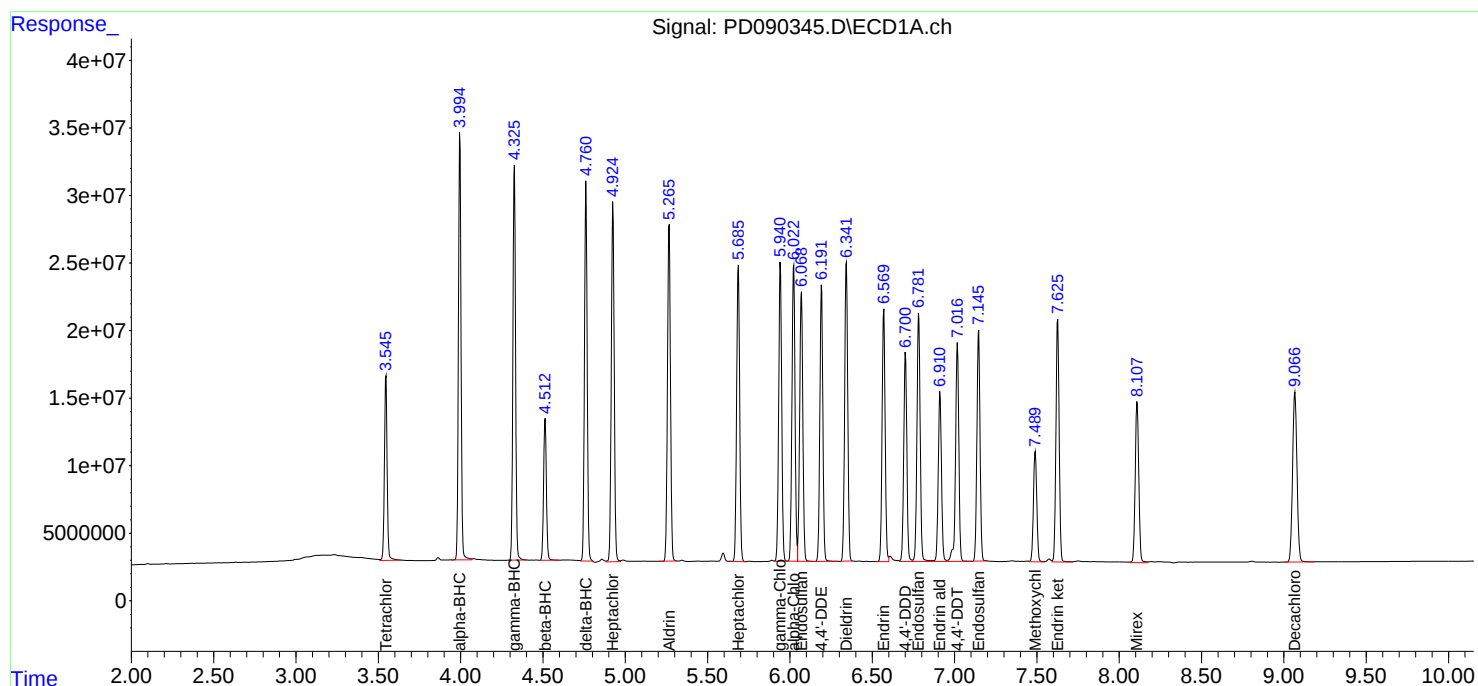
APPROVED

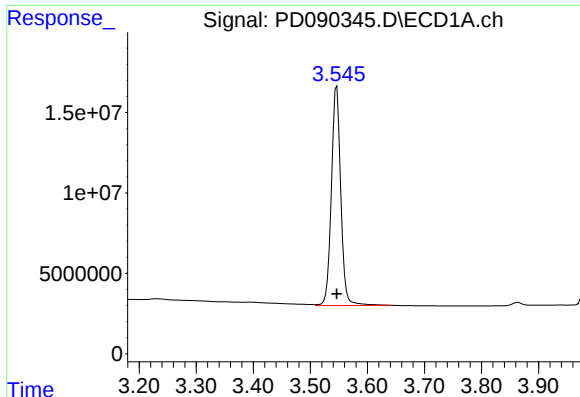
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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.: 3.546 min
Delta R.T.: 0.000 min
Response: 157413113
Conc: 48.43 ng/ml

Instrument :

ECD_D

ClientSampleId :

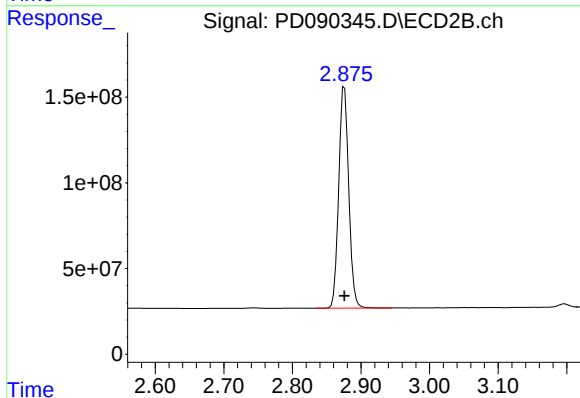
ICVPD091825

Manual Integrations

APPROVED

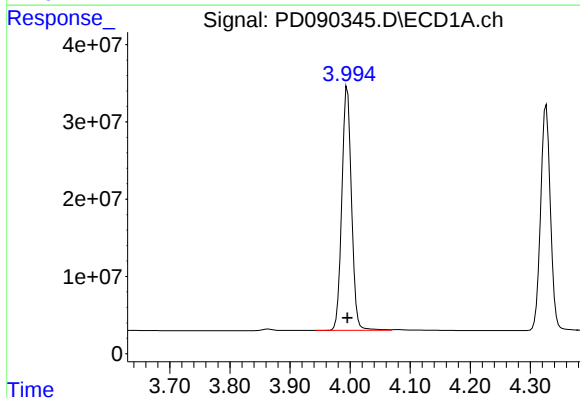
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



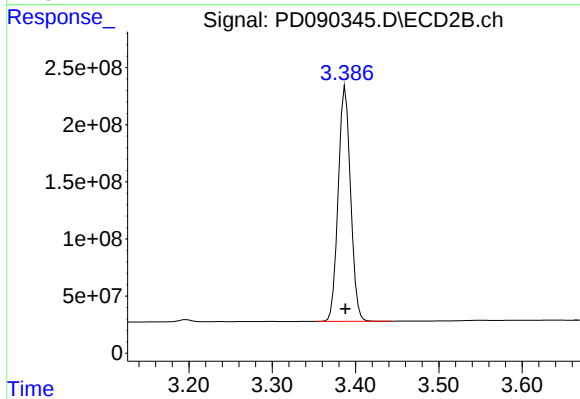
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1319858225
Conc: 48.08 ng/ml



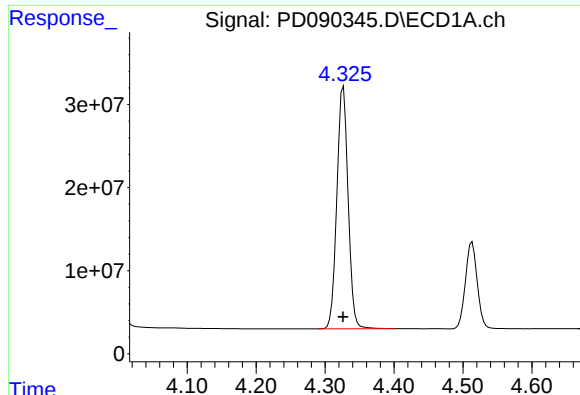
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 351672463
Conc: 50.35 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2123467422
Conc: 48.50 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 330754836
Conc: 49.99 ng/ml

Instrument :

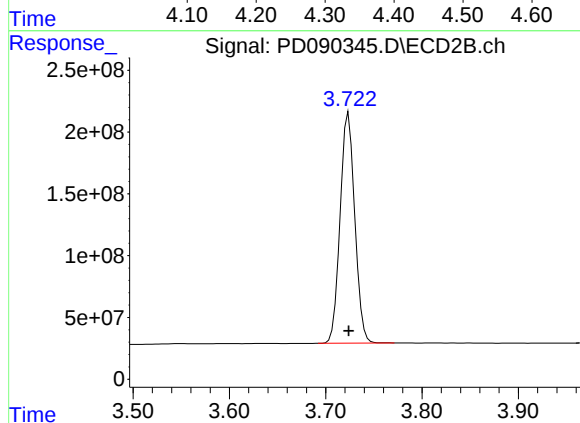
ECD_D

ClientSampleId :

ICVPD091825

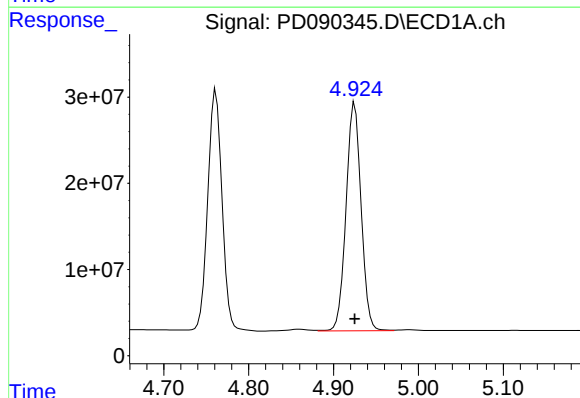
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



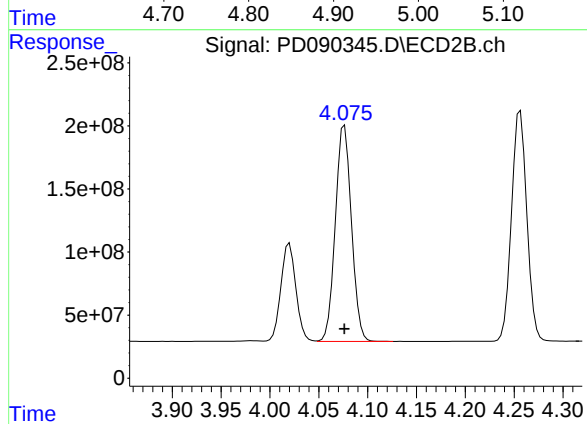
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1969783030
Conc: 48.36 ng/ml



#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 325824904
Conc: 49.27 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1968050598
Conc: 48.34 ng/ml

Response_ Signal: PD090345.D\ECD1A.ch

#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 315396598
Conc: 49.67 ng/ml

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Time

Response_ Signal: PD090345.D\ECD2B.ch

#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1930232675
Conc: 48.33 ng/ml

Time

Response_ Signal: PD090345.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 124855306
Conc: 48.40 ng/ml

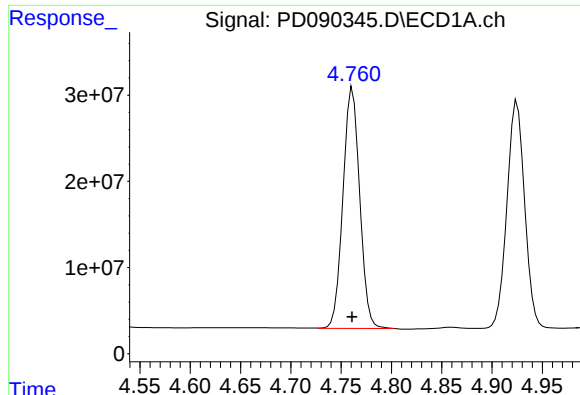
Time

Response_ Signal: PD090345.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 831670051
Conc: 47.98 ng/ml

Time



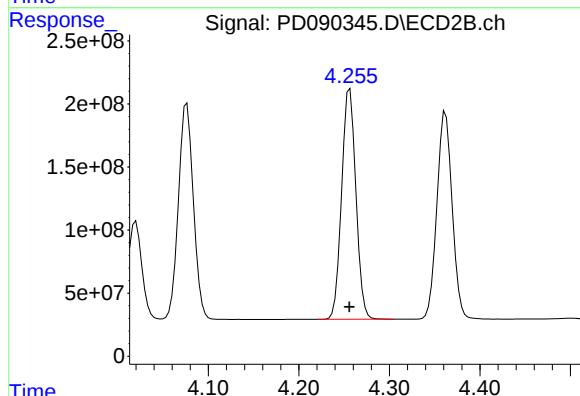
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 323567931
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

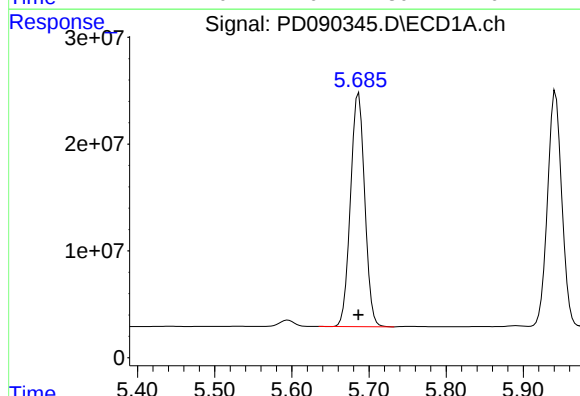
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



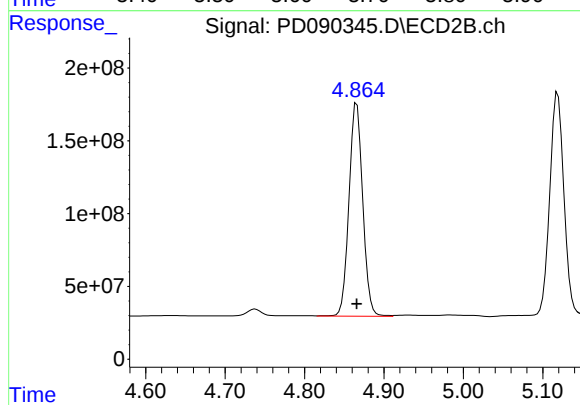
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2001014319
Conc: 48.46 ng/ml



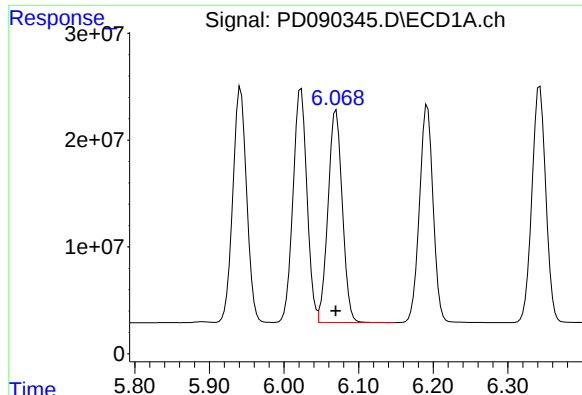
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 279128697
Conc: 48.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1766937728
Conc: 47.93 ng/ml



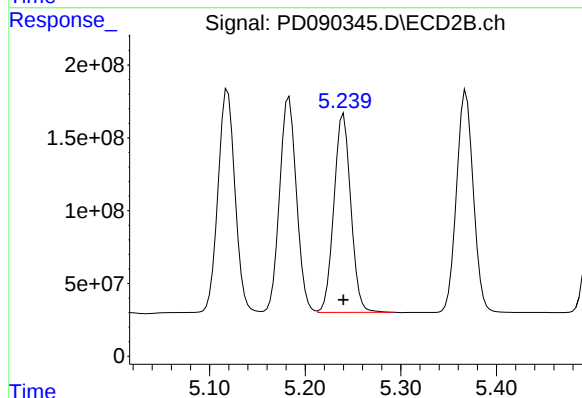
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 265478209
Conc: 49.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

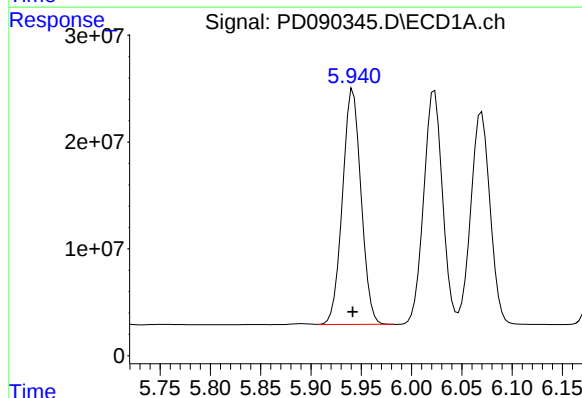
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



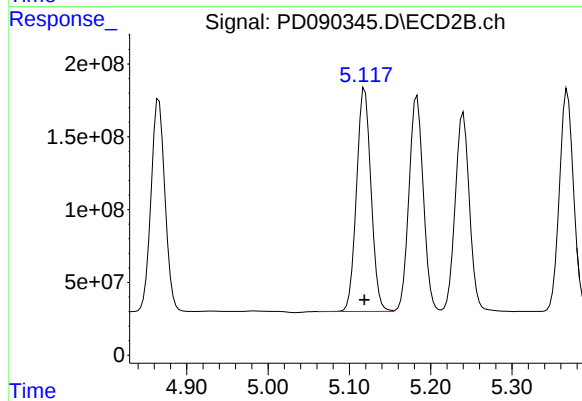
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1670315014
Conc: 48.27 ng/ml



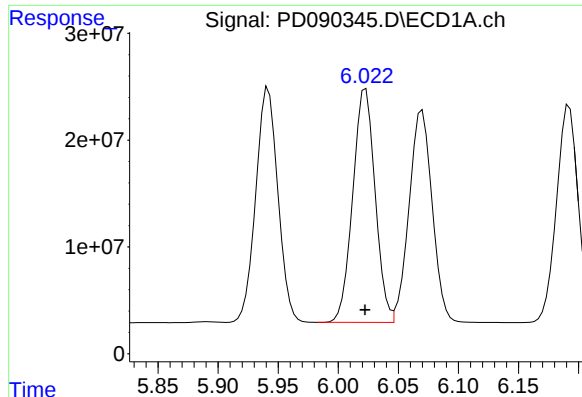
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 282683808
Conc: 49.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 1894544450
Conc: 48.22 ng/ml



#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 283456257
Conc: 49.20 ng/ml

Instrument :

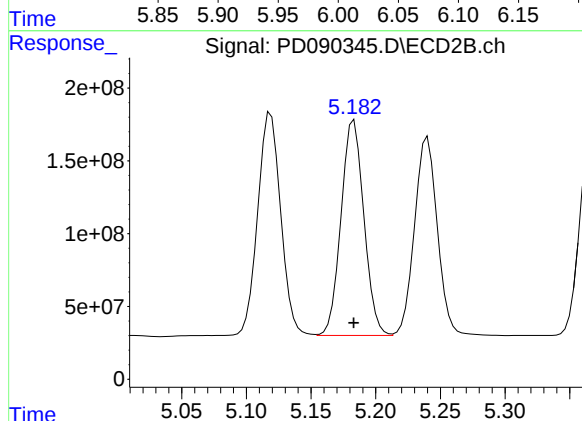
ECD_D

ClientSampleId :

ICVPD091825

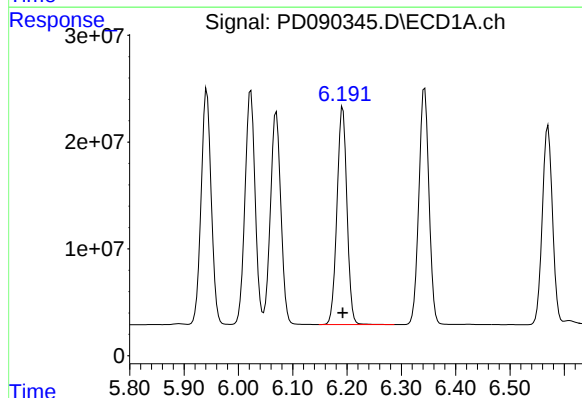
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



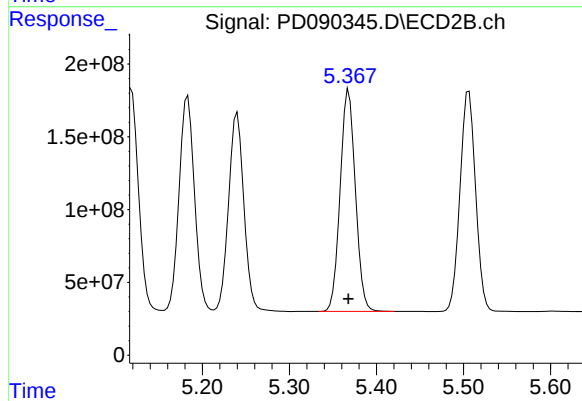
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1815289301
Conc: 48.20 ng/ml



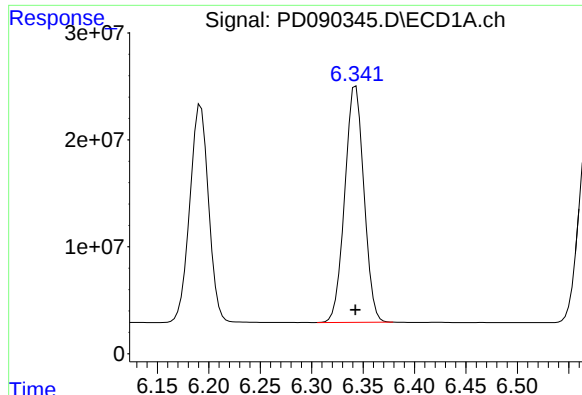
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 259396167
Conc: 49.81 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1854938581
Conc: 48.46 ng/ml



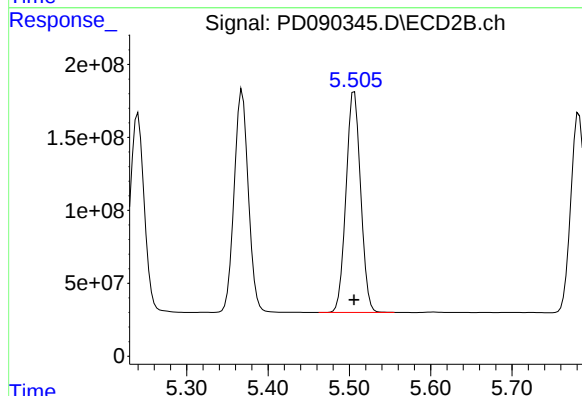
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 286409762
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

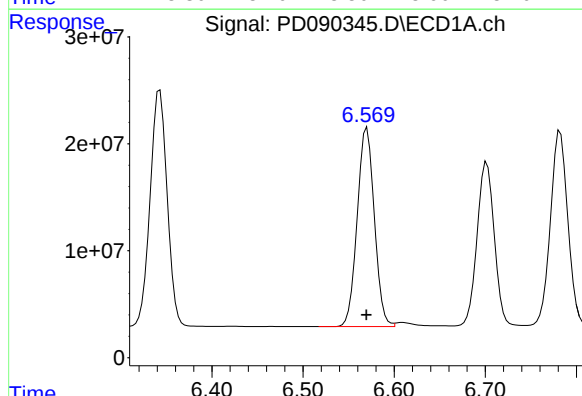
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



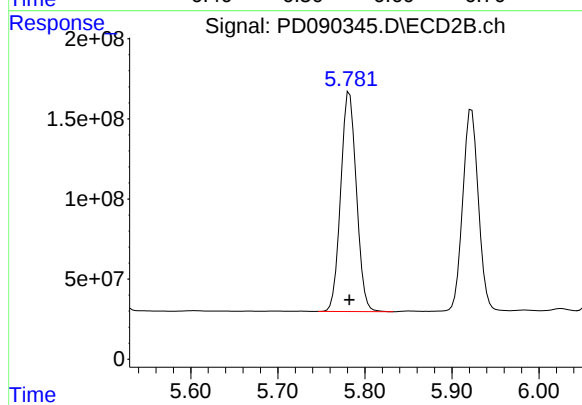
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1884878134
Conc: 48.40 ng/ml



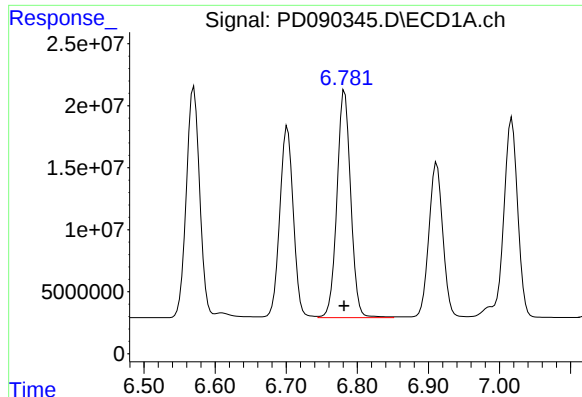
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 242799500
Conc: 49.61 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1721220273
Conc: 48.04 ng/ml



#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 246031158
Conc: 50.44 ng/ml

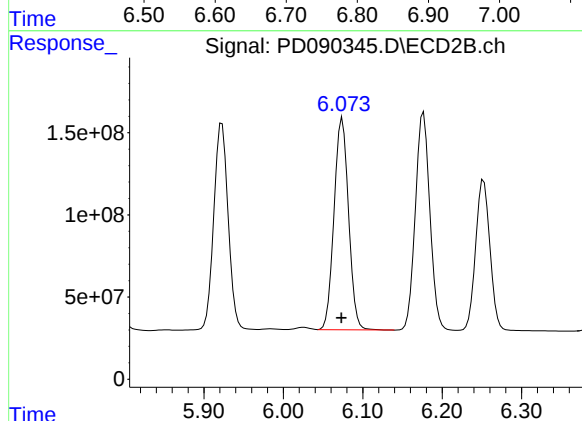
Instrument :

ECD_D

ClientSampleId :
ICVPD091825

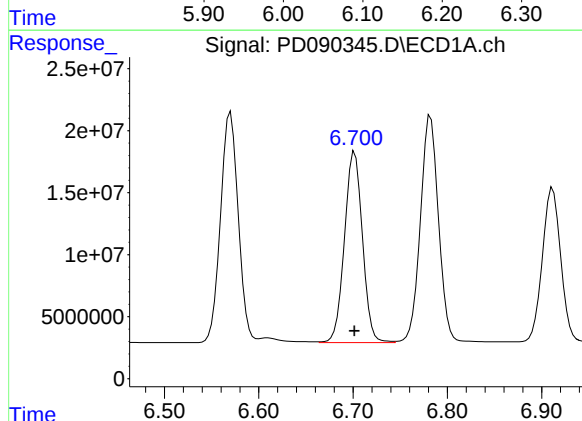
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



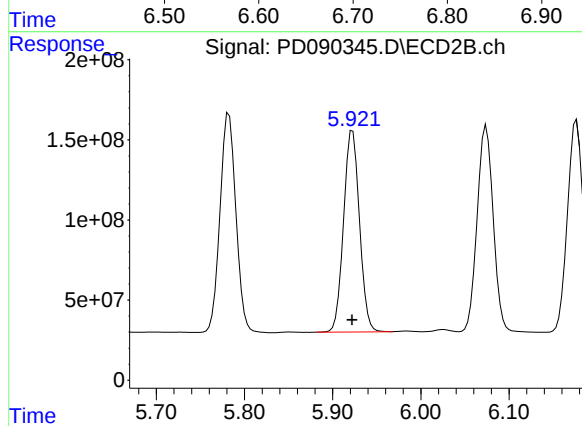
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 1633051126
Conc: 48.39 ng/ml



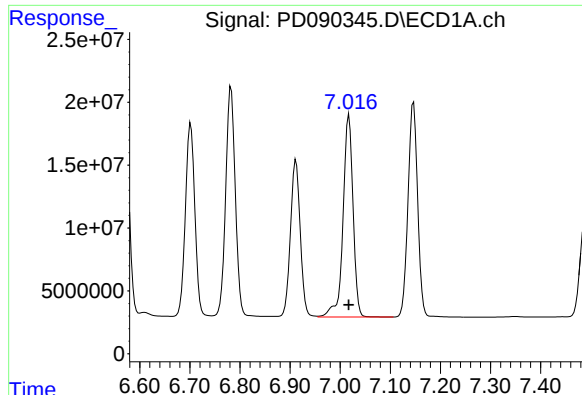
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 204539231
Conc: 49.91 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1574503119
Conc: 48.55 ng/ml



#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 223714000
Conc: 50.25 ng/ml

Instrument :

ECD_D

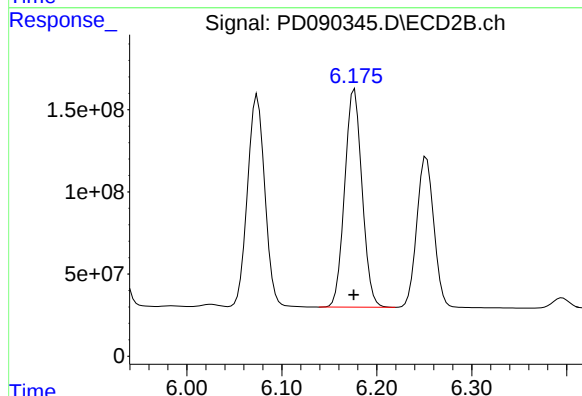
ClientSampleId :

ICVPD091825

Manual Integrations

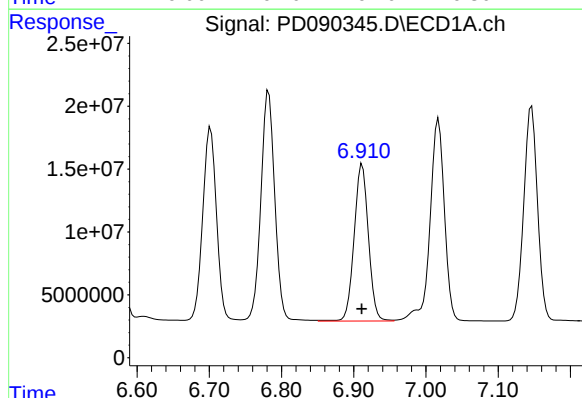
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



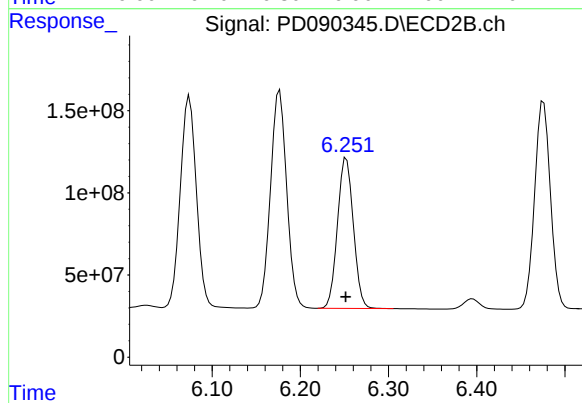
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1690511871
Conc: 49.17 ng/ml



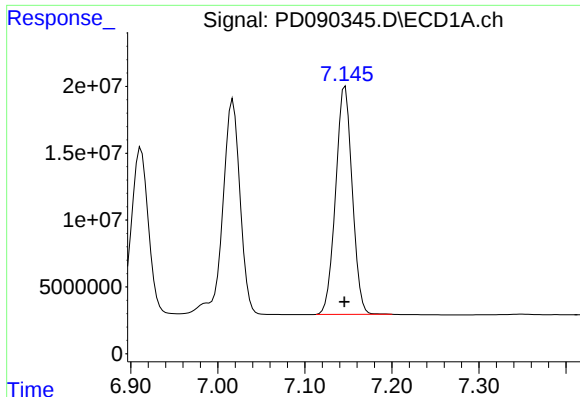
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 171178463
Conc: 49.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1146694142
Conc: 48.70 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 226366313
Conc: 49.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

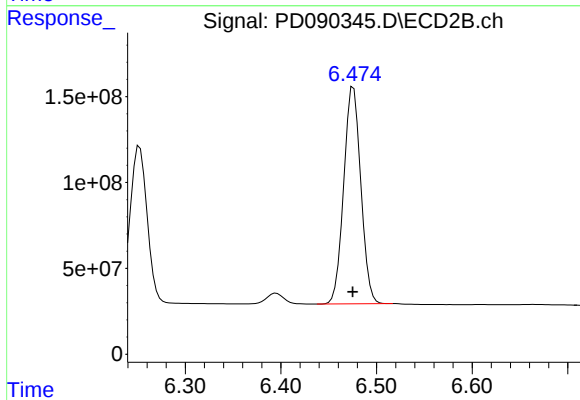
ICVPD091825

Manual Integrations

APPROVED

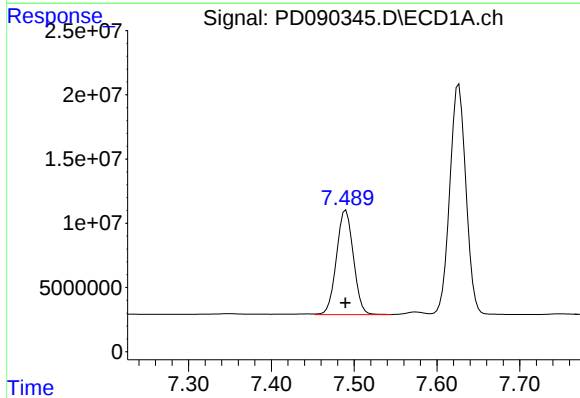
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



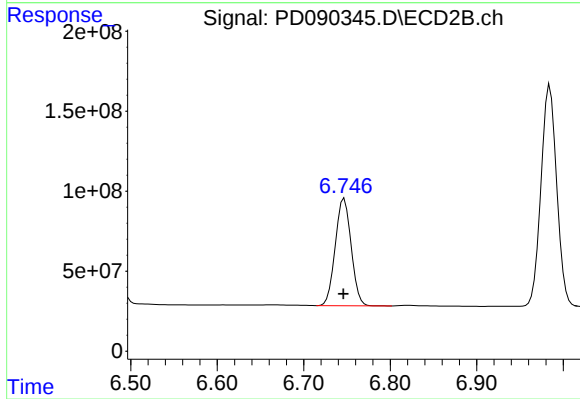
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1576624962
Conc: 48.23 ng/ml



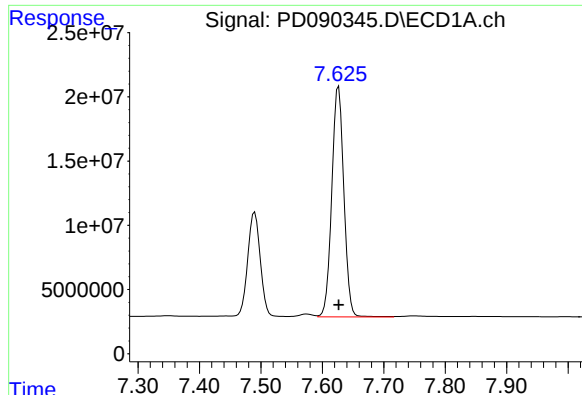
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 115712185
Conc: 49.10 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 851594817
Conc: 48.94 ng/ml



#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 244709672
Conc: 49.46 ng/ml

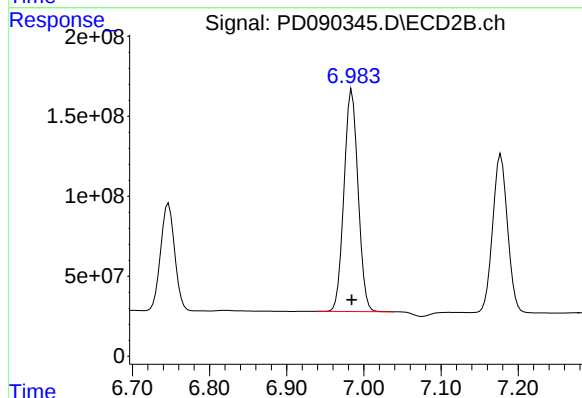
Instrument :

ECD_D

ClientSampleId :
ICVPD091825

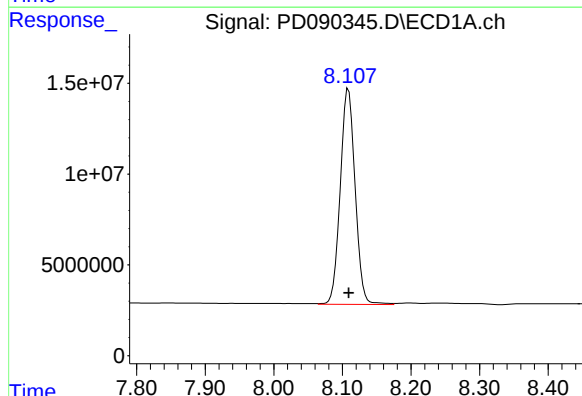
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



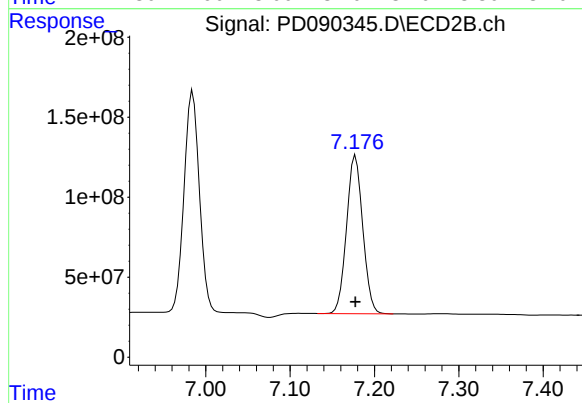
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1750763949
Conc: 48.49 ng/ml



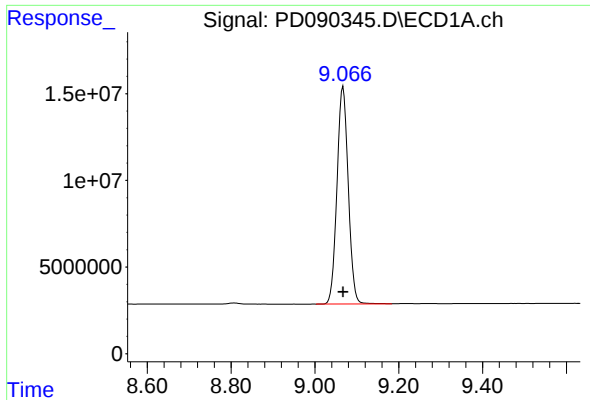
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 179182889
Conc: 48.36 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1323097558
Conc: 47.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min

Delta R.T.: 0.000 min

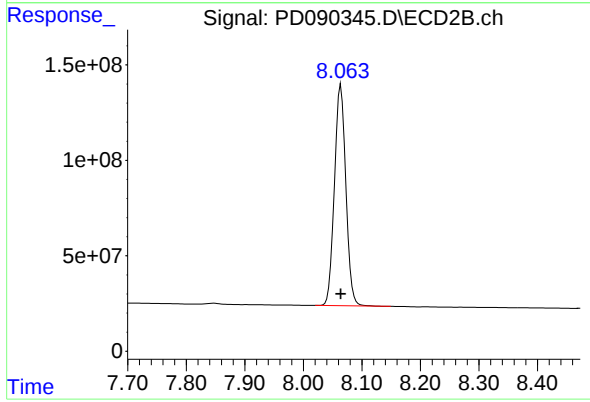
Response: 233844097

Conc: 48.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 1568046483

Conc: 48.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Continuing Calib Date: 09/29/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 14:24

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Continuing Calib Date: 09/29/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 14:24

Initial Calibration Time(s): 10:30

11:24

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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.87	4.77	4.97	0.01
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
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	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3179
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090418.D **Time Analyzed:** 14:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.601	6.801	53.350	50.000	6.7
4,4'-DDE	6.198	6.092	6.292	54.450	50.000	8.9
4,4'-DDT	7.025	6.917	7.117	55.300	50.000	10.6
Aldrin	5.273	5.166	5.366	54.150	50.000	8.3
alpha-BHC	4.002	3.895	4.095	55.470	50.000	10.9
alpha-Chlordane	6.028	5.922	6.122	51.710	50.000	3.4
beta-BHC	4.520	4.413	4.613	51.360	50.000	2.7
Decachlorobiphenyl	9.075	8.968	9.168	47.020	50.000	-6.0
delta-BHC	4.767	4.661	4.861	55.520	50.000	11.0
Dieldrin	6.350	6.243	6.443	54.290	50.000	8.6
Endosulfan I	6.075	5.970	6.170	52.210	50.000	4.4
Endosulfan II	6.789	6.682	6.882	53.510	50.000	7.0
Endosulfan sulfate	7.153	7.046	7.246	52.600	50.000	5.2
Endrin	6.577	6.469	6.669	55.050	50.000	10.1
Endrin aldehyde	6.918	6.811	7.011	54.850	50.000	9.7
Endrin ketone	7.634	7.527	7.727	53.900	50.000	7.8
gamma-BHC (Lindane)	4.333	4.226	4.426	54.340	50.000	8.7
gamma-Chlordane	5.949	5.842	6.042	52.170	50.000	4.3
Heptachlor	4.931	4.825	5.025	55.190	50.000	10.4
Heptachlor epoxide	5.693	5.586	5.786	51.230	50.000	2.5
Methoxychlor	7.497	7.390	7.590	51.260	50.000	2.5
Tetrachloro-m-xylene	3.552	3.446	3.646	49.690	50.000	-0.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3179
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090418.D **Time Analyzed:** 14:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.921	5.822	6.022	48.940	50.000	-2.1
4,4'-DDE	5.367	5.268	5.468	50.230	50.000	0.5
4,4'-DDT	6.176	6.076	6.276	49.700	50.000	-0.6
Aldrin	4.361	4.262	4.462	50.550	50.000	1.1
alpha-BHC	3.386	3.288	3.488	51.390	50.000	2.8
alpha-Chlordane	5.182	5.083	5.283	49.870	50.000	-0.3
beta-BHC	4.019	3.920	4.120	49.160	50.000	-1.7
Decachlorobiphenyl	8.063	7.964	8.164	43.590	50.000	-12.8
delta-BHC	4.255	4.156	4.356	50.270	50.000	0.5
Dieldrin	5.504	5.406	5.606	49.110	50.000	-1.8
Endosulfan I	5.239	5.140	5.340	49.900	50.000	-0.2
Endosulfan II	6.073	5.973	6.173	49.690	50.000	-0.6
Endosulfan sulfate	6.474	6.375	6.575	49.320	50.000	-1.4
Endrin	5.781	5.682	5.882	48.530	50.000	-2.9
Endrin aldehyde	6.251	6.152	6.352	51.590	50.000	3.2
Endrin ketone	6.984	6.884	7.084	46.400	50.000	-7.2
gamma-BHC (Lindane)	3.722	3.624	3.824	50.810	50.000	1.6
gamma-Chlordane	5.117	5.018	5.218	49.680	50.000	-0.6
Heptachlor	4.075	3.976	4.176	49.230	50.000	-1.5
Heptachlor epoxide	4.863	4.766	4.966	53.040	50.000	6.1
Methoxychlor	6.746	6.646	6.846	47.880	50.000	-4.2
Tetrachloro-m-xylene	2.874	2.776	2.976	48.470	50.000	-3.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090418.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 14:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:30:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	2.874	161.5E6	1330.6E6	49.694	48.474
28)	SA Decachlor...	9.075	8.063	226.9E6	1413.0E6	47.017	43.590
Target Compounds							
2)	A alpha-BHC	4.002	3.386	387.4E6	2250.2E6	55.467	51.394
3)	MA gamma-BHC...	4.333	3.722	359.5E6	2069.9E6	54.338	50.814
4)	MA Heptachlor	4.931	4.075	365.0E6	2004.5E6	55.191	49.229
5)	MB Aldrin	5.273	4.361	343.9E6	2018.7E6	54.150	50.550
6)	B beta-BHC	4.520	4.019	132.5E6	852.3E6	51.358	49.165
7)	B delta-BHC	4.767	4.255	358.5E6	2076.1E6	55.521m	50.274
8)	B Heptachlo...	5.693	4.863	292.8E6	1955.1E6	51.227	53.035m
9)	A Endosulfan I	6.075	5.239	282.0E6	1726.6E6	52.213m	49.895
10)	B gamma-Chl...	5.949	5.117	298.0E6	1951.8E6	52.172	49.681
11)	B alpha-Chl...	6.028	5.182	297.9E6	1878.4E6	51.711m	49.871
12)	B 4,4'-DDE	6.198	5.367	283.6E6	1922.6E6	54.451	50.225
13)	MA Dieldrin	6.350	5.504	313.0E6	1912.7E6	54.291	49.111
14)	MA Endrin	6.577	5.781	269.4E6	1738.8E6	55.051	48.526
15)	B Endosulfa...	6.789	6.073	261.0E6	1677.1E6	53.513	49.691
16)	A 4,4'-DDD	6.708	5.921	218.6E6	1586.9E6	53.350m	48.935
17)	MA 4,4'-DDT	7.025	6.176	246.2E6	1708.8E6	55.304	49.705
18)	B Endrin al...	6.918	6.251	188.2E6	1214.7E6	54.847	51.587
19)	B Endosulfa...	7.153	6.474	242.0E6	1612.1E6	52.600	49.315
20)	A Methoxychlor	7.497	6.746	120.8E6	833.2E6	51.255	47.882
21)	B Endrin ke...	7.634	6.984	266.7E6	1675.0E6	53.901	46.396
22)	Mirex	8.115	7.176	166.2E6	1159.8E6	44.858m	42.012

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

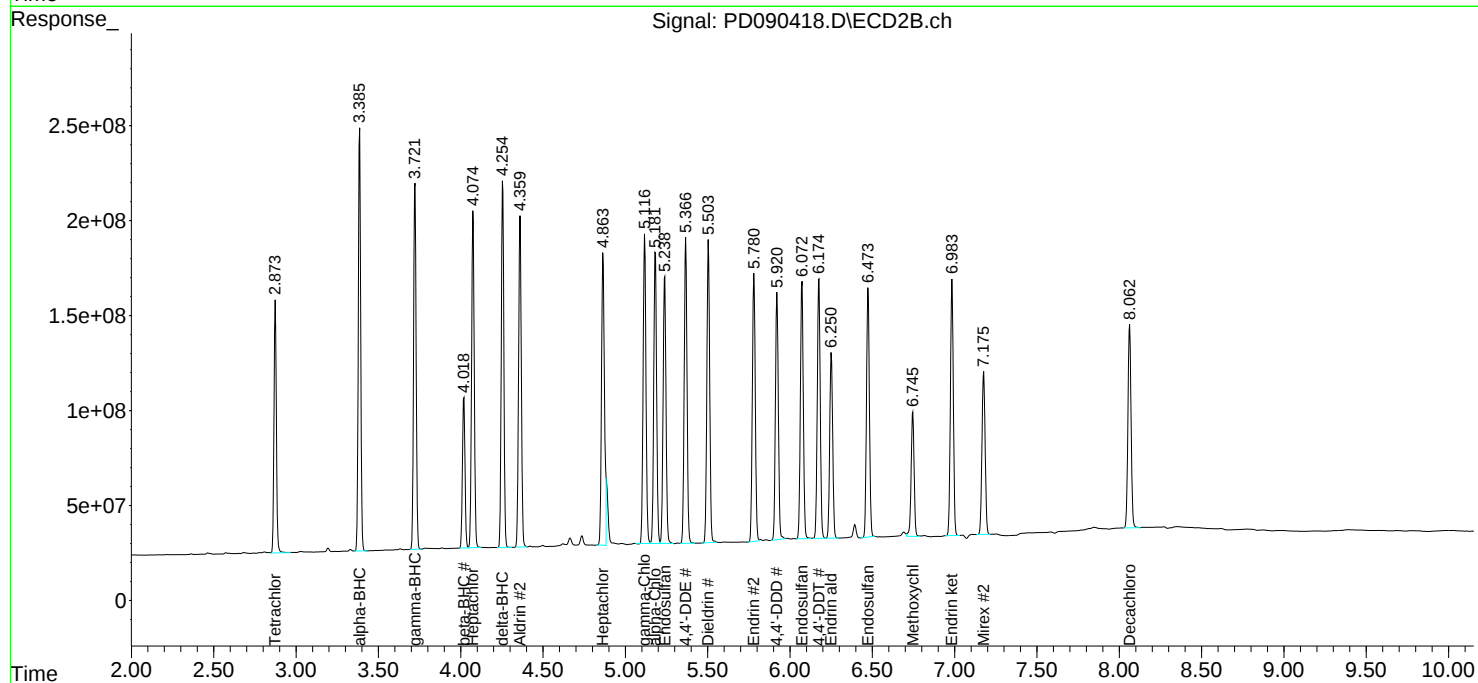
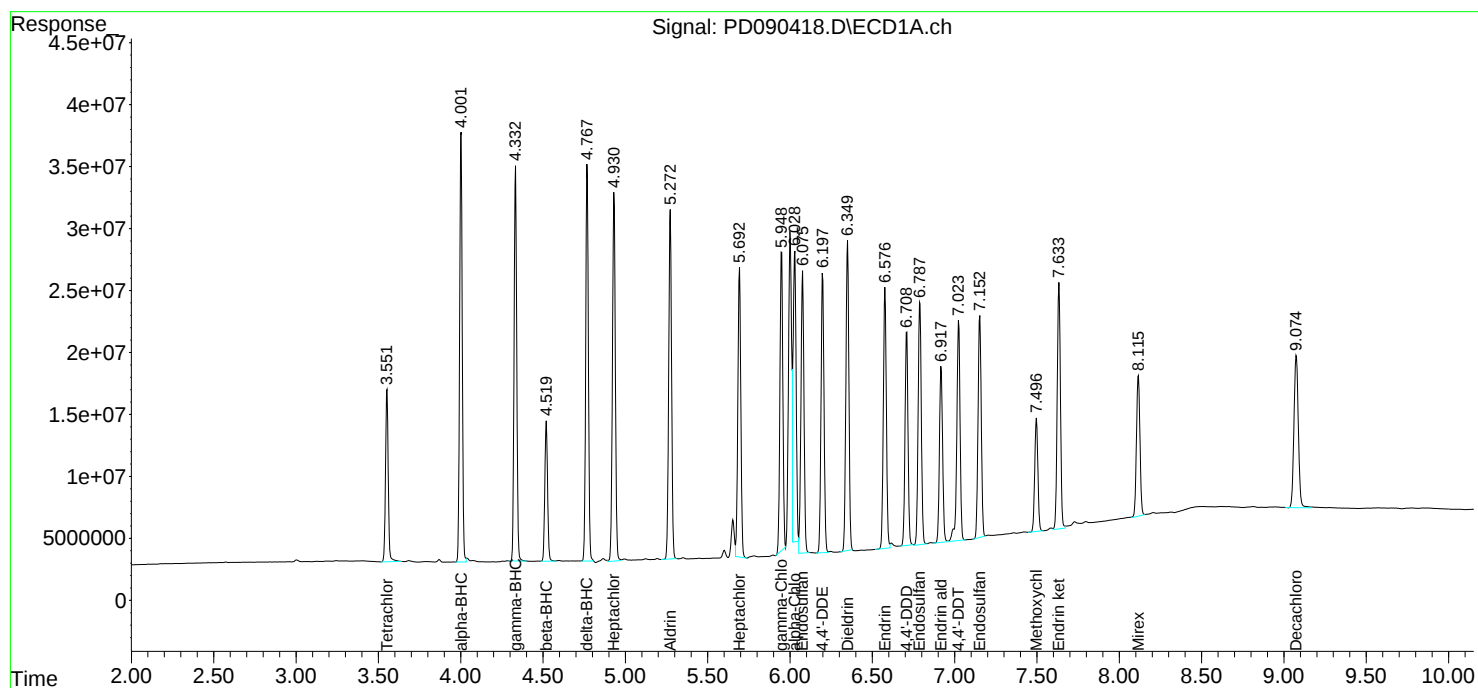
APPROVED

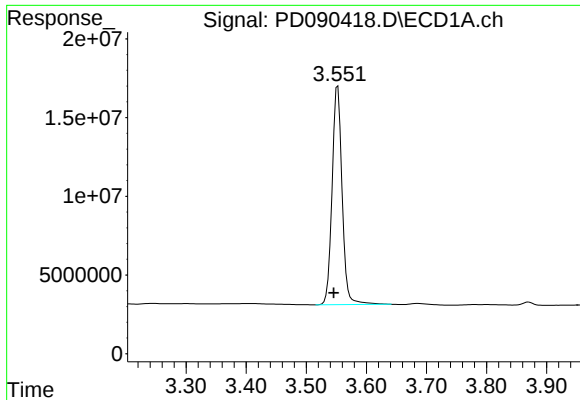
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:30:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





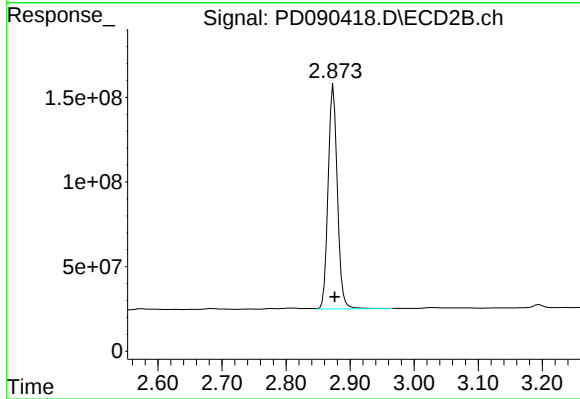
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 161528554
Conc: 49.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

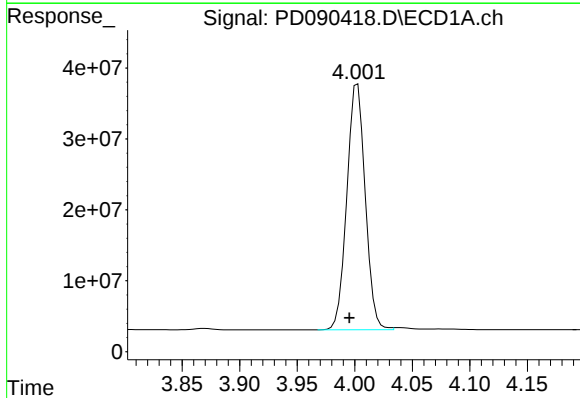
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025



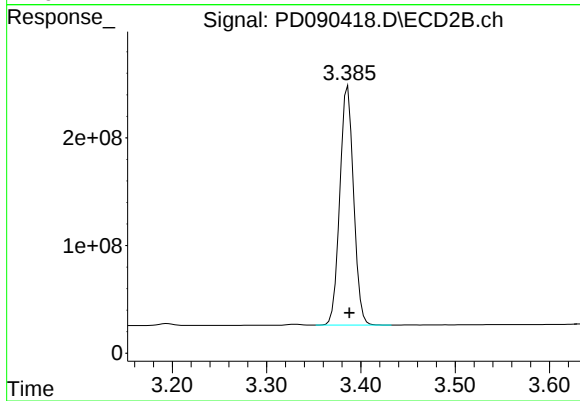
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 1330608614
Conc: 48.47 ng/ml



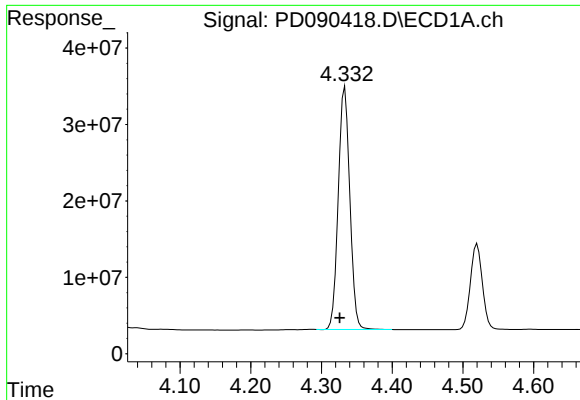
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 387413200
Conc: 55.47 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2250201191
Conc: 51.39 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 359545370
Conc: 54.34 ng/ml

Instrument :

ECD_D

ClientSampleId :

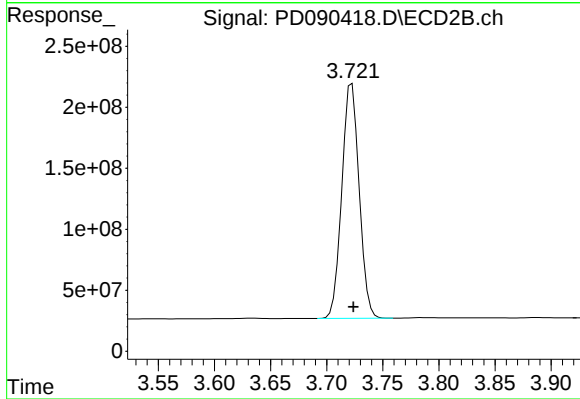
PSTDCCC050

Manual Integrations

APPROVED

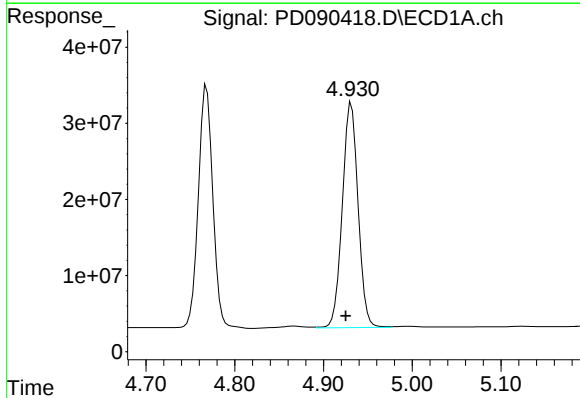
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



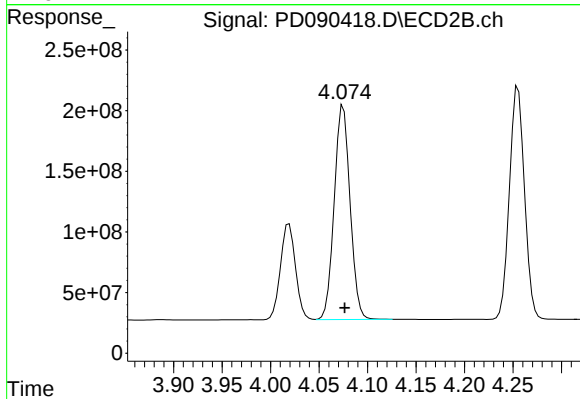
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 2069939337
Conc: 50.81 ng/ml



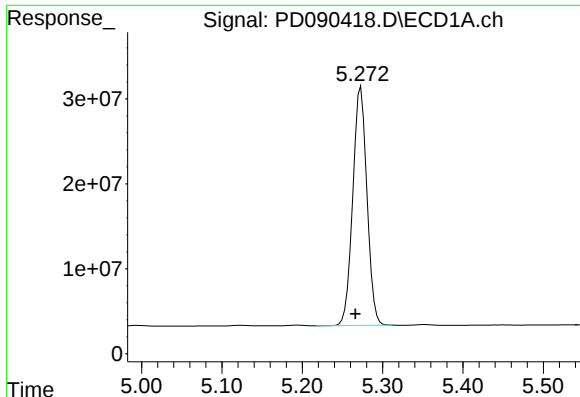
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.006 min
Response: 364955460
Conc: 55.19 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2004457323
Conc: 49.23 ng/ml



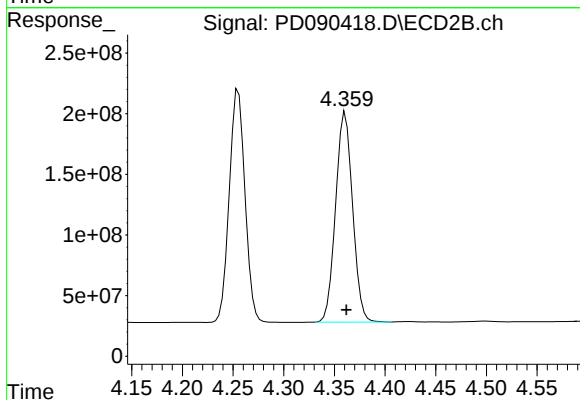
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 343852624
Conc: 54.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

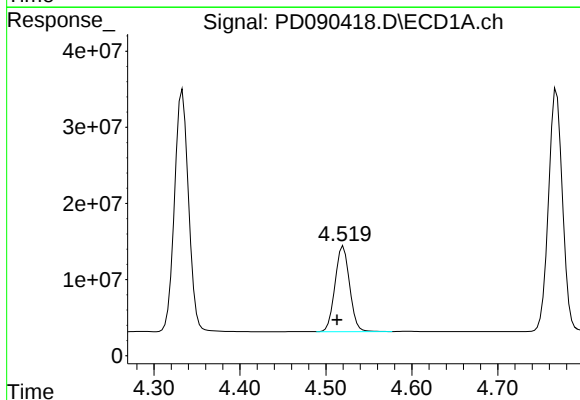
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



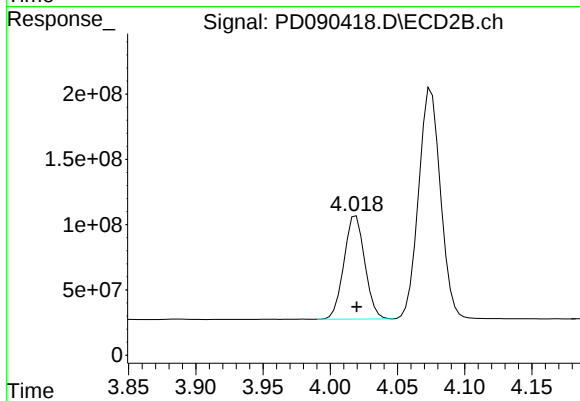
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2018725128
Conc: 50.55 ng/ml



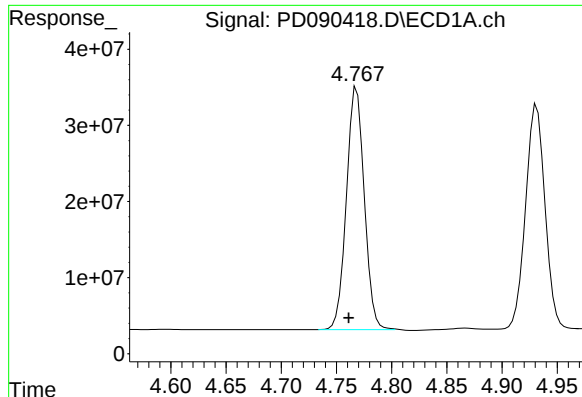
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 132498615
Conc: 51.36 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 852282392
Conc: 49.16 ng/ml



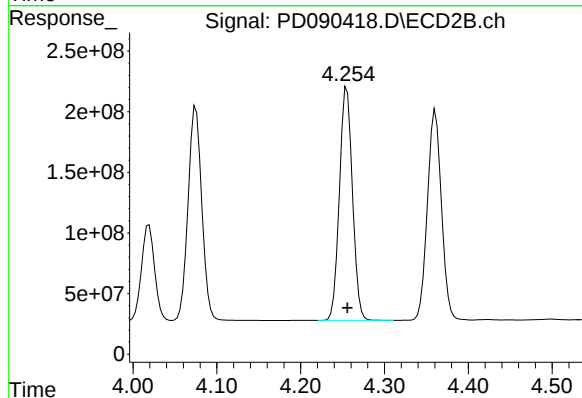
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.006 min
Response: 358525598
Conc: 55.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

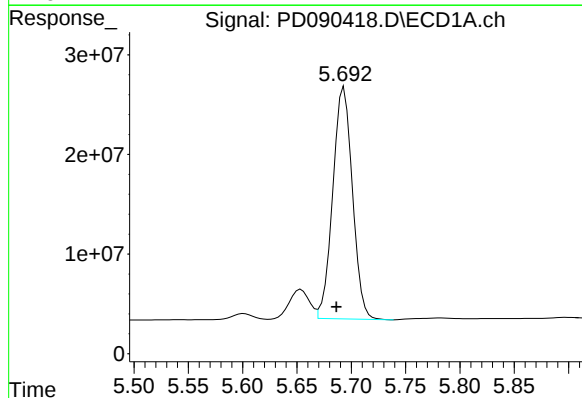
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/01/2025



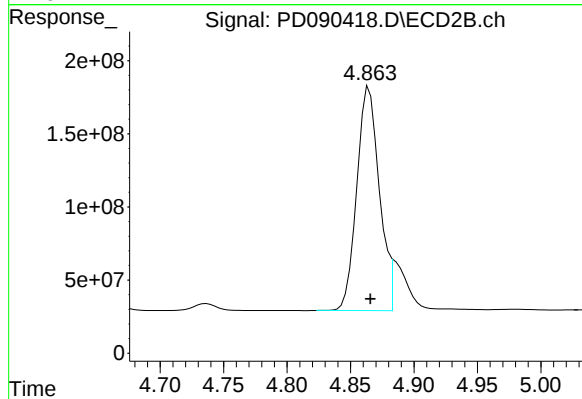
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2076053341
Conc: 50.27 ng/ml



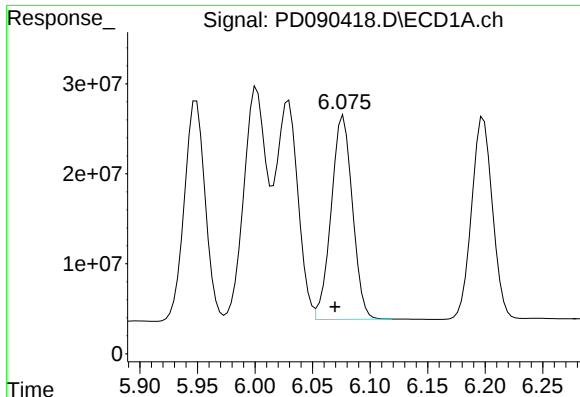
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.007 min
Response: 292756150
Conc: 51.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.002 min
Response: 1955149317
Conc: 53.04 ng/ml m



#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.006 min
Response: 282028602
Conc: 52.21 ng/ml

Instrument :

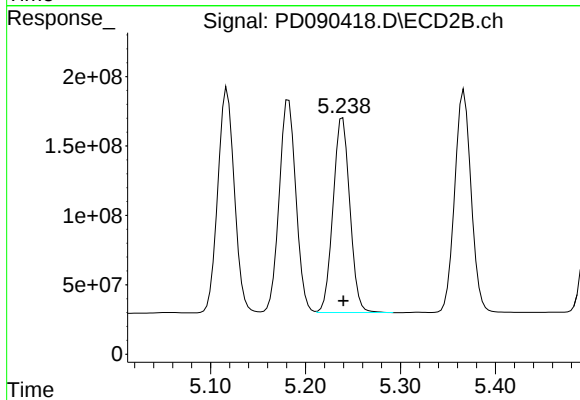
ECD_D

ClientSampleId :

PSTDCCC050

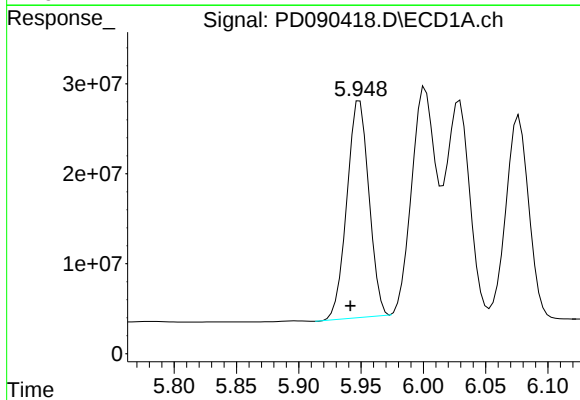
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025



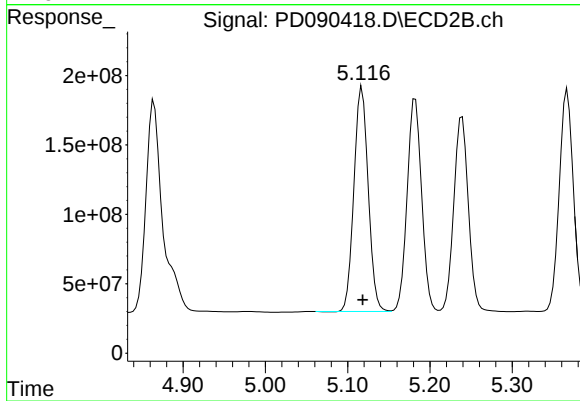
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1726629241
Conc: 49.90 ng/ml



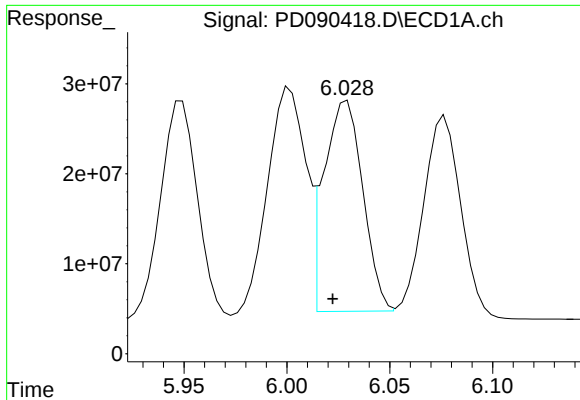
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.007 min
Response: 298002689
Conc: 52.17 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1951795823
Conc: 49.68 ng/ml



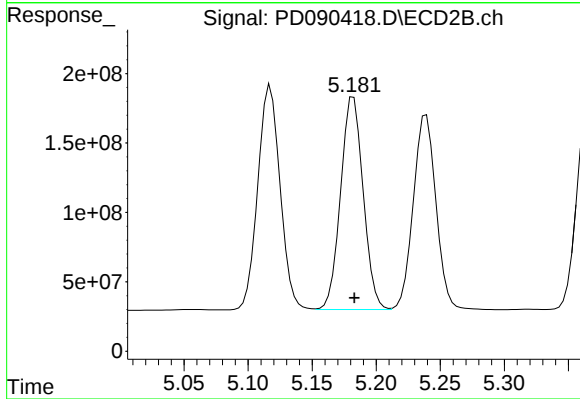
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.006 min
Response: 297899481
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

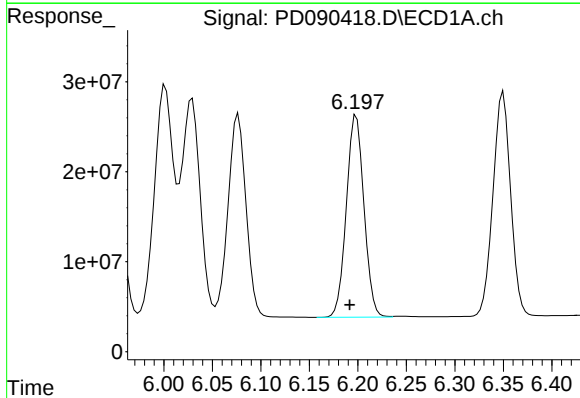
Manual Integrations
APPROVED

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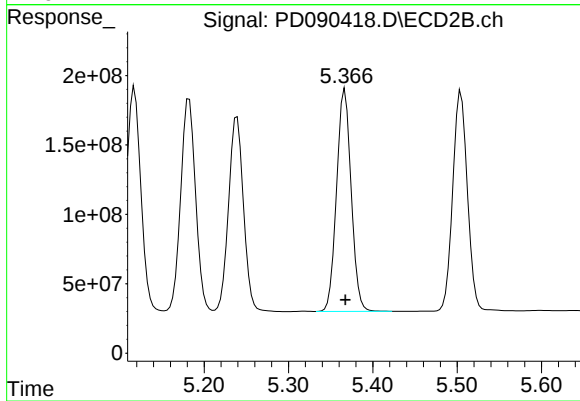
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1878388866
Conc: 49.87 ng/ml



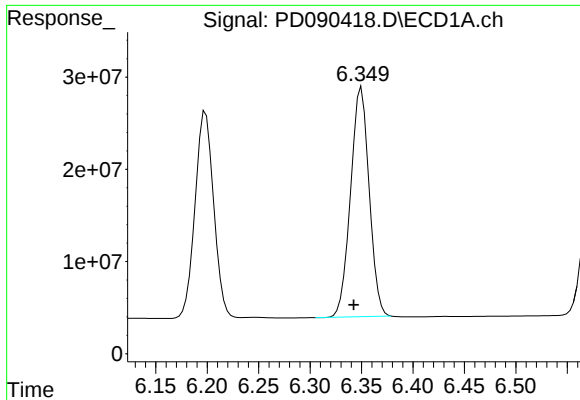
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.007 min
Response: 283553420
Conc: 54.45 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 1922574055
Conc: 50.23 ng/ml



#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 312969539
Conc: 54.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

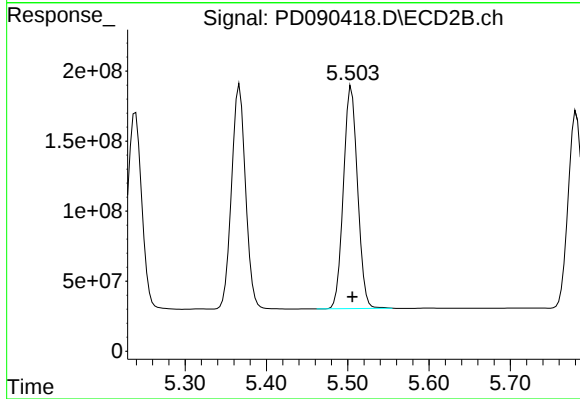
PSTDCCC050

Manual Integrations

APPROVED

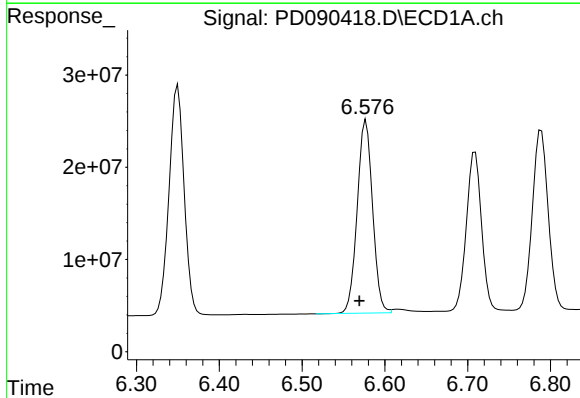
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



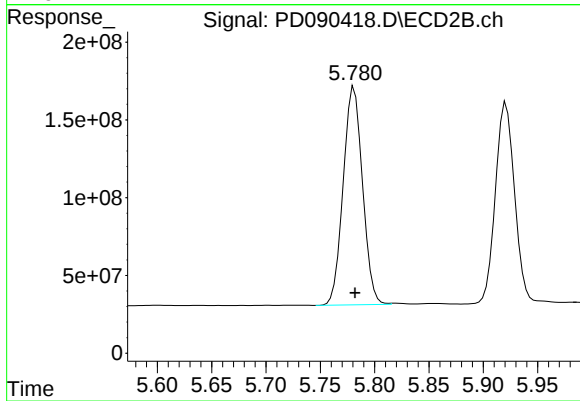
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 1912663606
Conc: 49.11 ng/ml



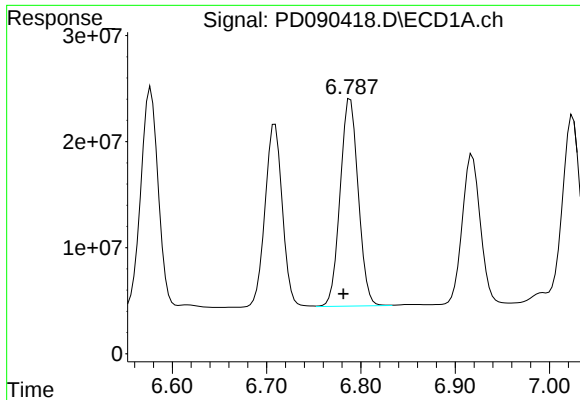
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.008 min
Response: 269414842
Conc: 55.05 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1738775237
Conc: 48.53 ng/ml



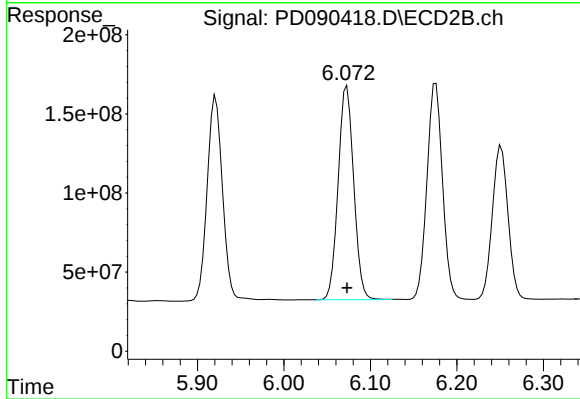
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.007 min
Response: 261025018
Conc: 53.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

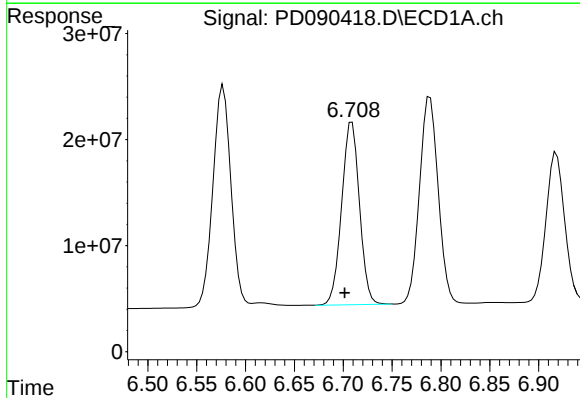
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



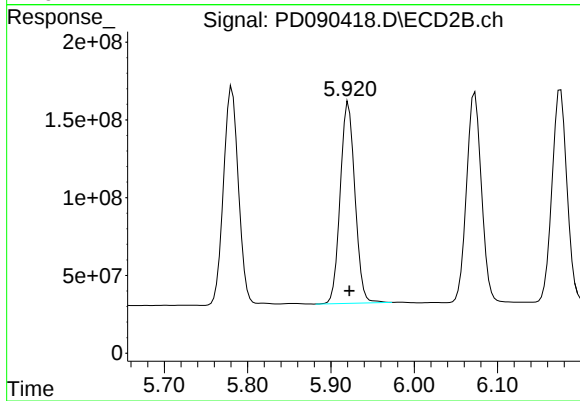
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1677095636
Conc: 49.69 ng/ml



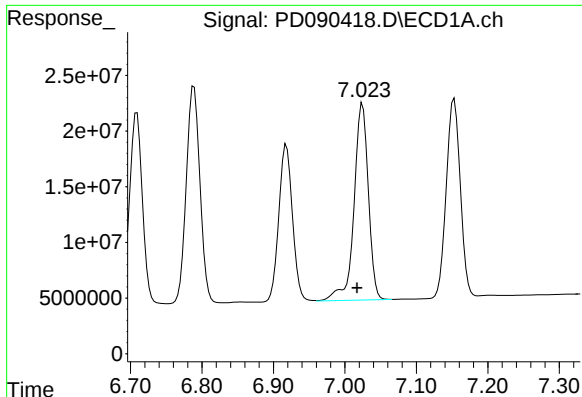
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.006 min
Response: 218618212
Conc: 53.35 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1586861554
Conc: 48.94 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 246241053
Conc: 55.30 ng/ml

Instrument :

ECD_D

ClientSampleId :

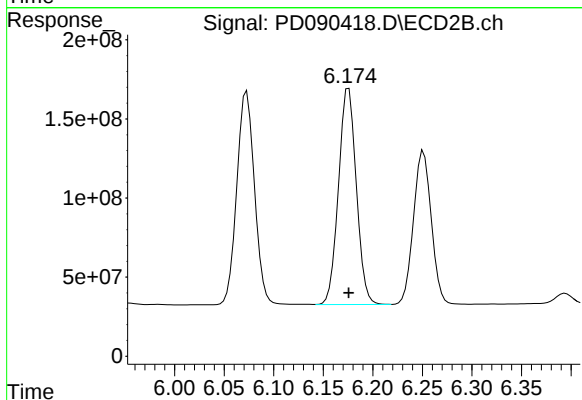
PSTDCCC050

Manual Integrations

APPROVED

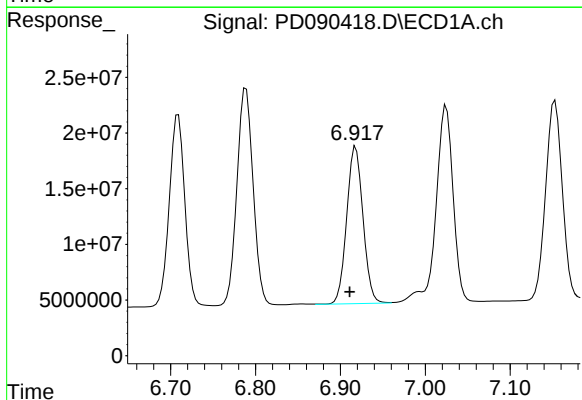
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



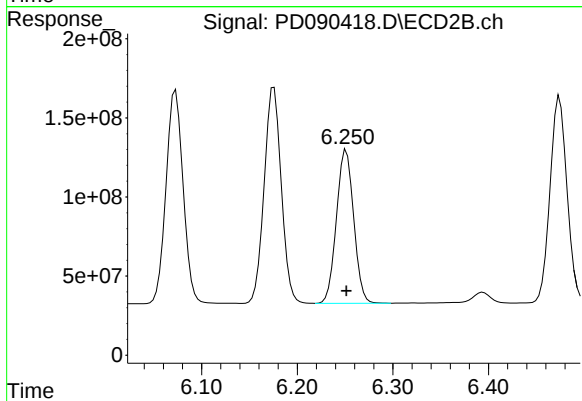
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1708797029
Conc: 49.70 ng/ml



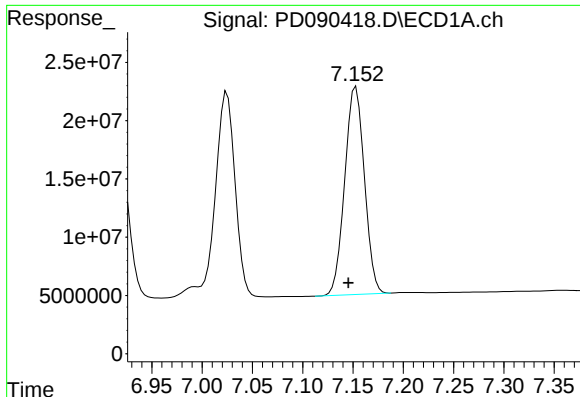
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.007 min
Response: 188155898
Conc: 54.85 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1214699045
Conc: 51.59 ng/ml



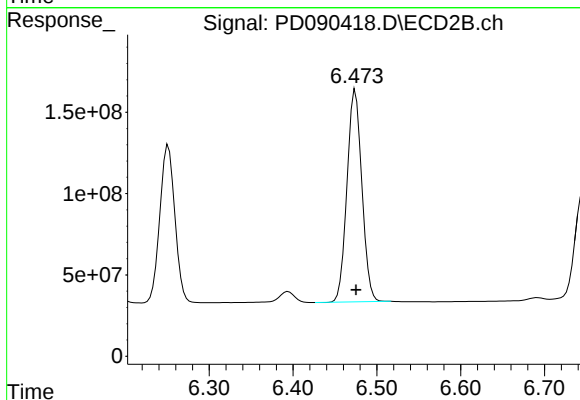
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.007 min
Response: 241977996
Conc: 52.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

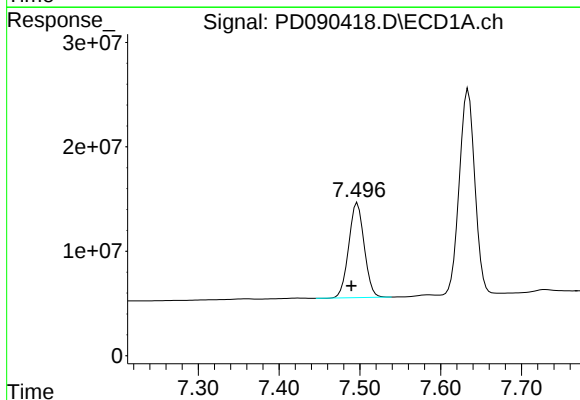
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



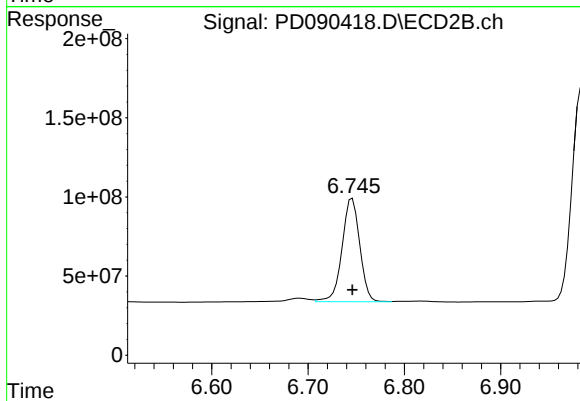
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1612128711
Conc: 49.32 ng/ml



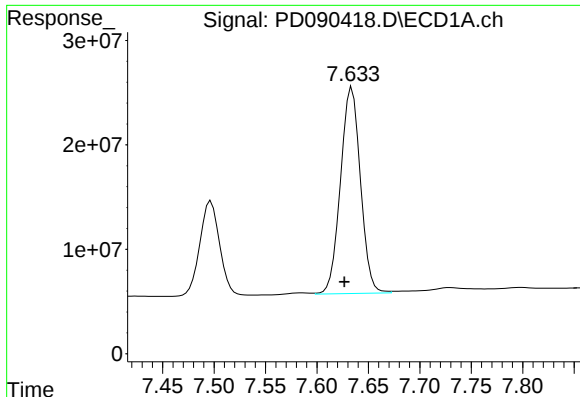
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 120783134
Conc: 51.26 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 833156969
Conc: 47.88 ng/ml



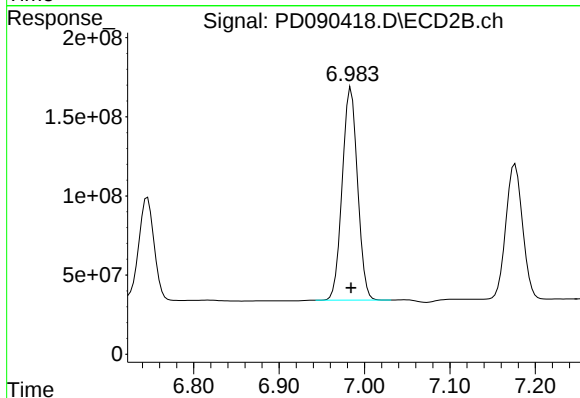
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 266669207
Conc: 53.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

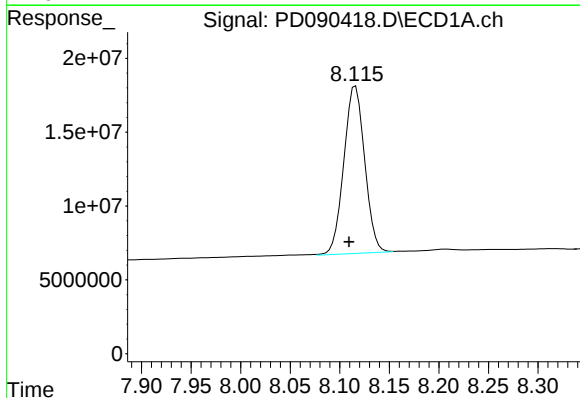
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



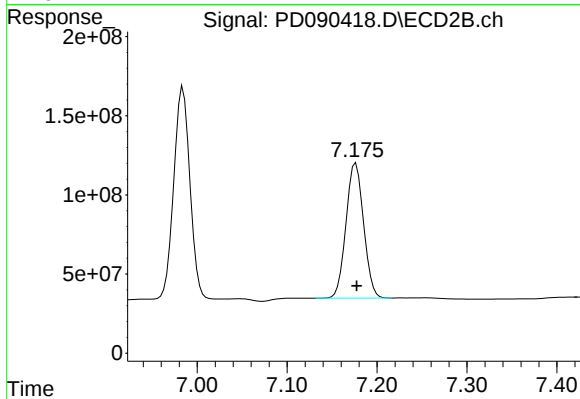
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1675028120
Conc: 46.40 ng/ml



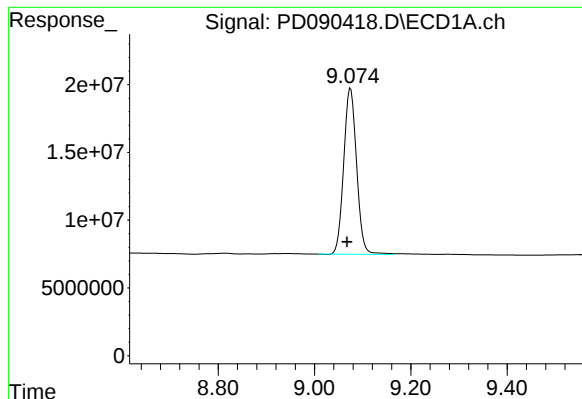
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.005 min
Response: 166193557
Conc: 44.86 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1159778601
Conc: 42.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.007 min
Response: 226859216
Conc: 47.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

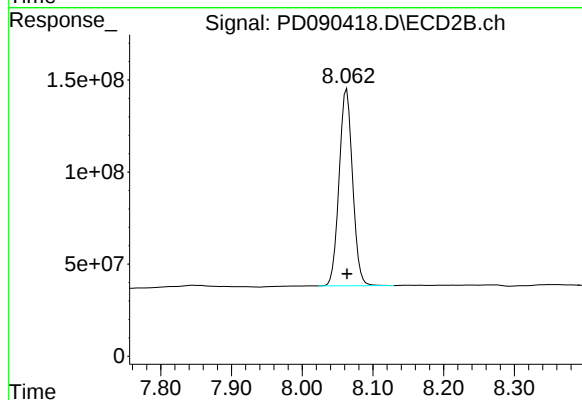
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 1412968652
Conc: 43.59 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Continuing Calib Date: 09/29/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 19:54

Initial Calibration Time(s): 10:30

11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
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	4.93	4.83	5.03	0.01
Aldrin	5.26	5.27	5.17	5.37	0.01
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Continuing Calib Date: 09/29/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 19:54

Initial Calibration Time(s): 10:30

11:24

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	2.88	2.88	2.78	2.98	0.00
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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.87	4.77	4.97	0.01
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
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	6.48	6.38	6.58	0.01
4,4'-DDT	6.17	6.18	6.08	6.28	0.01
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:** ROYF02
Lab Code: ACE **SDG NO.:** Q3179
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090433.D **Time Analyzed:** 19:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.601	6.801	57.010	50.000	14.0
4,4'-DDE	6.189	6.092	6.292	57.100	50.000	14.2
4,4'-DDT	7.014	6.917	7.117	58.340	50.000	16.7
Aldrin	5.264	5.166	5.366	56.970	50.000	13.9
alpha-BHC	3.994	3.895	4.095	57.370	50.000	14.7
alpha-Chlordane	6.019	5.922	6.122	57.950	50.000	15.9
beta-BHC	4.511	4.413	4.613	53.270	50.000	6.5
Decachlorobiphenyl	9.063	8.968	9.168	48.970	50.000	-2.1
delta-BHC	4.758	4.661	4.861	57.770	50.000	15.5
Dieldrin	6.340	6.243	6.443	57.410	50.000	14.8
Endosulfan I	6.066	5.970	6.170	54.830	50.000	9.7
Endosulfan II	6.780	6.682	6.882	57.280	50.000	14.6
Endosulfan sulfate	7.143	7.046	7.246	56.270	50.000	12.5
Endrin	6.567	6.469	6.669	58.160	50.000	16.3
Endrin aldehyde	6.908	6.811	7.011	58.530	50.000	17.1
Endrin ketone	7.623	7.527	7.727	56.170	50.000	12.3
gamma-BHC (Lindane)	4.325	4.226	4.426	56.290	50.000	12.6
gamma-Chlordane	5.939	5.842	6.042	55.930	50.000	11.9
Heptachlor	4.923	4.825	5.025	57.190	50.000	14.4
Heptachlor epoxide	5.684	5.586	5.786	55.510	50.000	11.0
Methoxychlor	7.487	7.390	7.590	55.050	50.000	10.1
Tetrachloro-m-xylene	3.545	3.446	3.646	50.400	50.000	0.8



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3179
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090433.D **Time Analyzed:** 19:54

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.920	5.822	6.022	52.870	50.000	5.7
4,4'-DDE	5.366	5.268	5.468	53.450	50.000	6.9
4,4'-DDT	6.174	6.076	6.276	53.950	50.000	7.9
Aldrin	4.361	4.262	4.462	53.560	50.000	7.1
alpha-BHC	3.387	3.288	3.488	53.660	50.000	7.3
alpha-Chlordane	5.182	5.083	5.283	53.240	50.000	6.5
beta-BHC	4.019	3.920	4.120	52.190	50.000	4.4
Decachlorobiphenyl	8.060	7.964	8.164	48.060	50.000	-3.9
delta-BHC	4.255	4.156	4.356	53.440	50.000	6.9
Dieldrin	5.504	5.406	5.606	53.520	50.000	7.0
Endosulfan I	5.238	5.140	5.340	53.400	50.000	6.8
Endosulfan II	6.072	5.973	6.173	53.320	50.000	6.6
Endosulfan sulfate	6.474	6.375	6.575	53.260	50.000	6.5
Endrin	5.780	5.682	5.882	53.500	50.000	7.0
Endrin aldehyde	6.250	6.152	6.352	56.070	50.000	12.1
Endrin ketone	6.982	6.884	7.084	51.590	50.000	3.2
gamma-BHC (Lindane)	3.723	3.624	3.824	53.420	50.000	6.8
gamma-Chlordane	5.117	5.018	5.218	53.240	50.000	6.5
Heptachlor	4.075	3.976	4.176	53.840	50.000	7.7
Heptachlor epoxide	4.864	4.766	4.966	54.350	50.000	8.7
Methoxychlor	6.744	6.646	6.846	53.300	50.000	6.6
Tetrachloro-m-xylene	2.875	2.776	2.976	49.460	50.000	-1.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090433.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 19:54
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:33:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	163.8E6	1357.7E6	50.402	49.462
28)	SA Decachlor...	9.063	8.060	236.3E6	1557.8E6	48.971	48.057
Target Compounds							
2)	A alpha-BHC	3.994	3.387	400.7E6	2349.6E6	57.372	53.665
3)	MA gamma-BHC...	4.325	3.723	372.5E6	2176.1E6	56.288	53.421
4)	MA Heptachlor	4.923	4.075	378.2E6	2192.4E6	57.194	53.845
5)	MB Aldrin	5.264	4.361	361.8E6	2139.1E6	56.975	53.564
6)	B beta-BHC	4.511	4.019	137.4E6	904.7E6	53.273	52.186
7)	B delta-BHC	4.758	4.255	373.0E6	2206.9E6	57.765m	53.443
8)	B Heptachlo...	5.684	4.864	317.2E6	2003.8E6	55.507	54.355
9)	A Endosulfan I	6.066	5.238	296.2E6	1848.0E6	54.834m	53.401
10)	B gamma-Chl...	5.939	5.117	319.5E6	2091.5E6	55.930	53.236
11)	B alpha-Chl...	6.019	5.182	333.8E6	2005.5E6	57.946m	53.245
12)	B 4,4'-DDE	6.189	5.366	297.4E6	2046.0E6	57.101	53.450
13)	MA Dieldrin	6.340	5.504	331.0E6	2084.4E6	57.413	53.520
14)	MA Endrin	6.567	5.780	284.7E6	1917.0E6	58.165	53.499
15)	B Endosulfa...	6.780	6.072	279.4E6	1799.5E6	57.285	53.317
16)	A 4,4'-DDD	6.699	5.920	233.6E6	1714.5E6	57.011	52.870
17)	MA 4,4'-DDT	7.014	6.174	259.8E6	1854.9E6	58.343	53.955
18)	B Endrin al...	6.908	6.250	200.8E6	1320.3E6	58.534	56.072
19)	B Endosulfa...	7.143	6.474	258.9E6	1741.1E6	56.272	53.260
20)	A Methoxychlor	7.487	6.744	129.7E6	927.5E6	55.046	53.305
21)	B Endrin ke...	7.623	6.982	277.9E6	1862.6E6	56.169	51.592
22)	Mirex	8.104	7.175	174.5E6	1272.3E6	47.112m	46.089

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 19:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

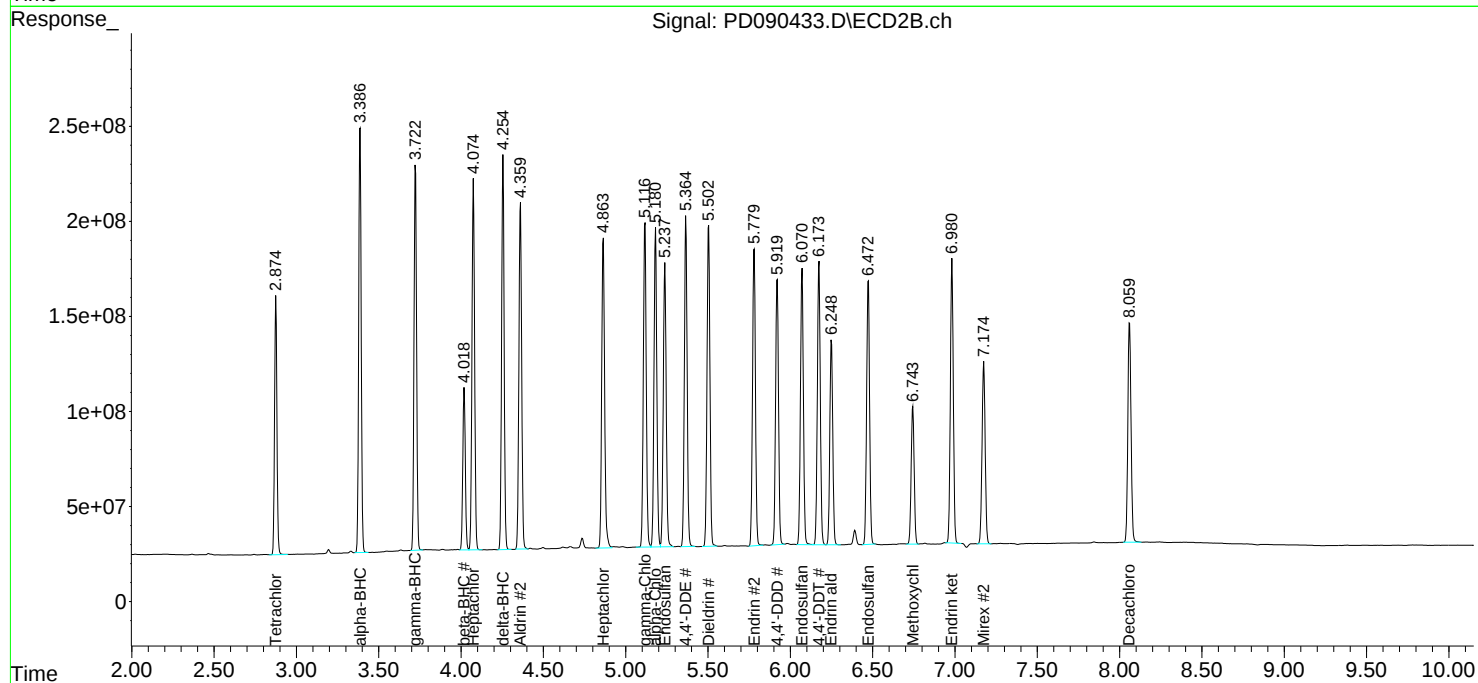
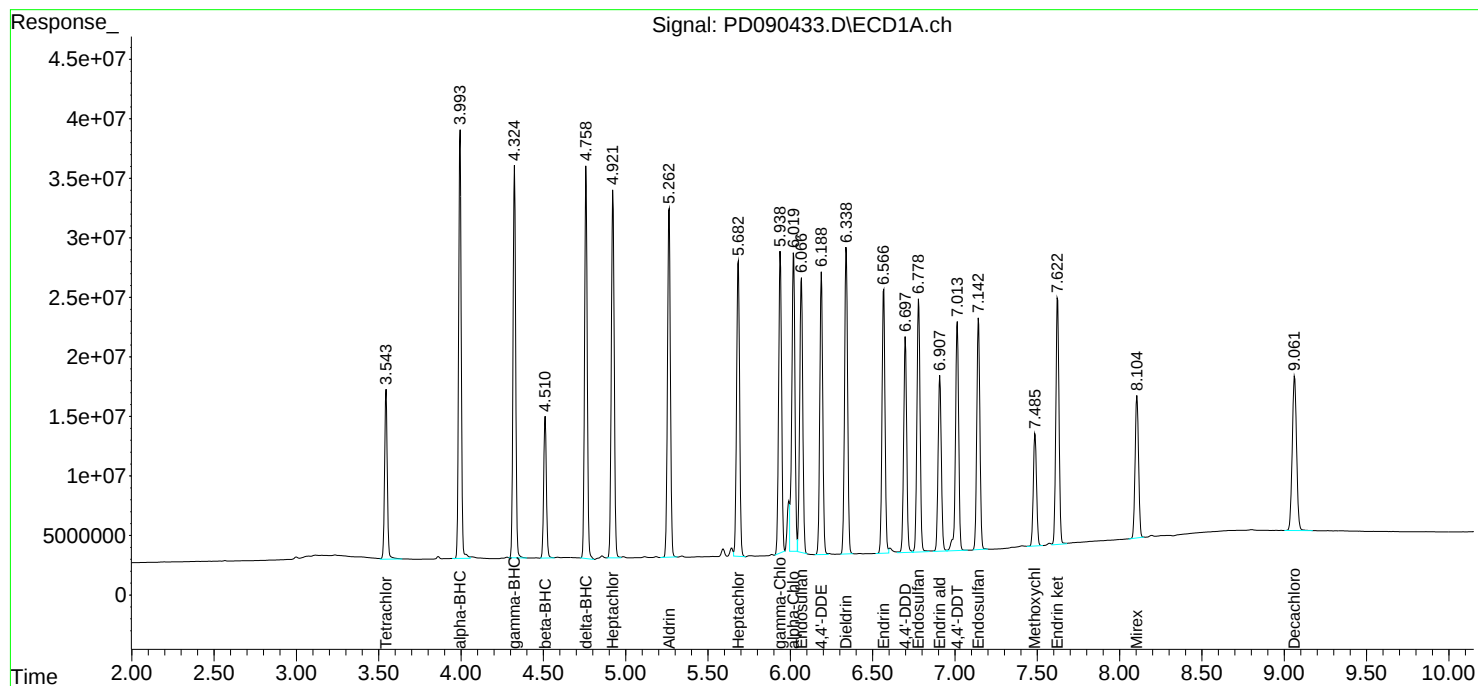
APPROVED

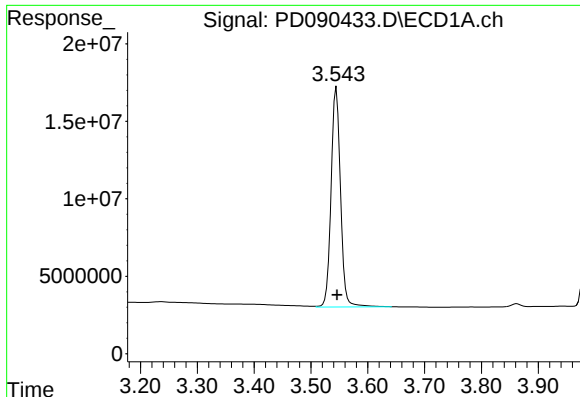
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:33:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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.: -0.001 min
Response: 163830404
Conc: 50.40 ng/ml

Instrument :

ECD_D

ClientSampleId :

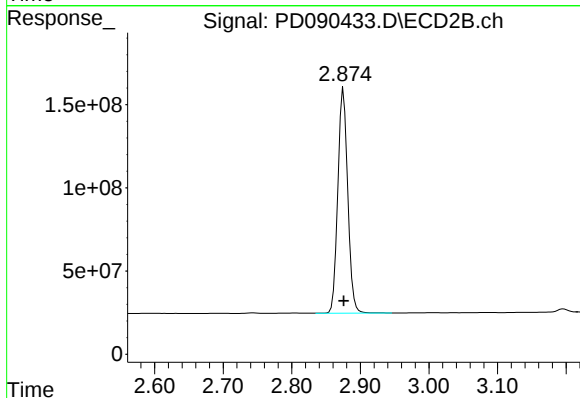
PSTDCCC050

Manual Integrations

APPROVED

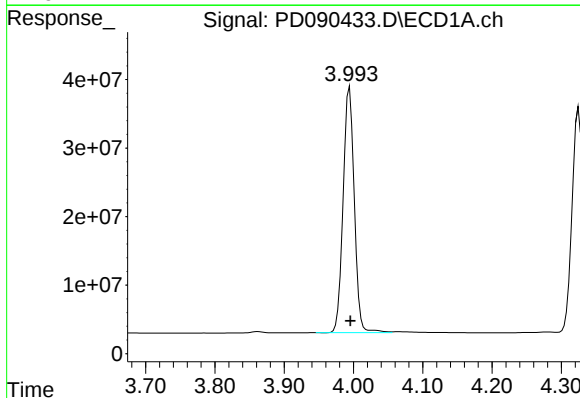
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



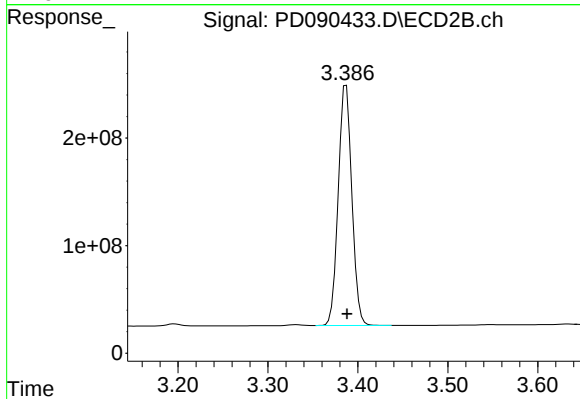
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1357716556
Conc: 49.46 ng/ml



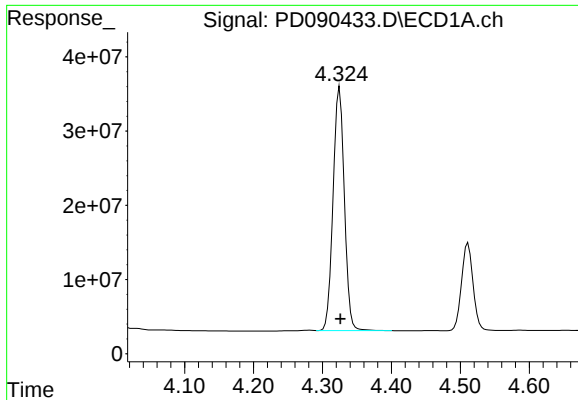
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 400716863
Conc: 57.37 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2349608820
Conc: 53.66 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 372450659
Conc: 56.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

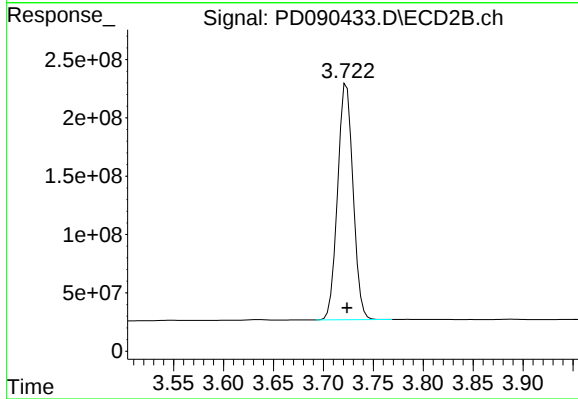
PSTDCCC050

Manual Integrations

APPROVED

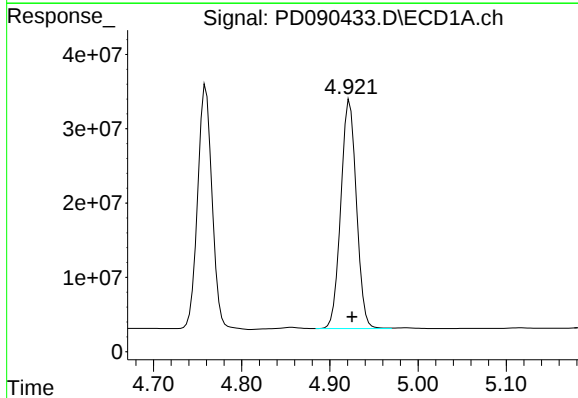
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



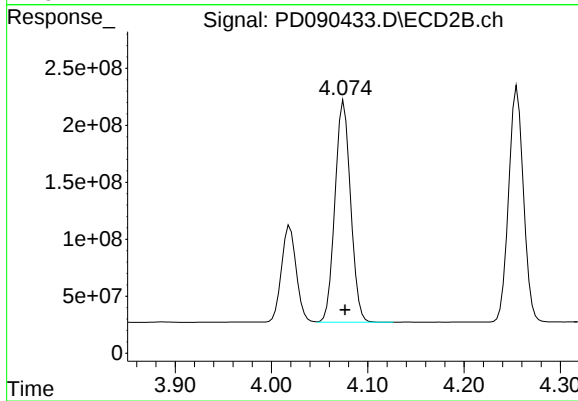
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2176118301
Conc: 53.42 ng/ml



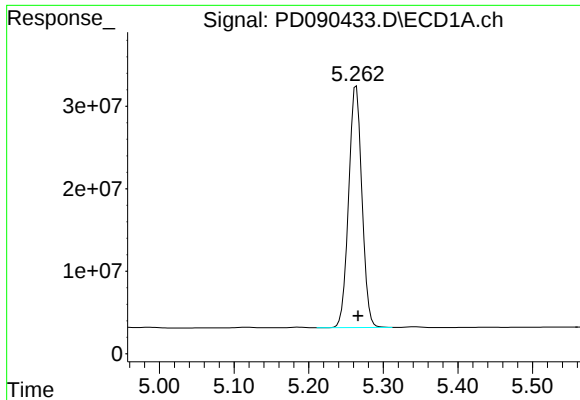
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 378198187
Conc: 57.19 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2192385313
Conc: 53.84 ng/ml



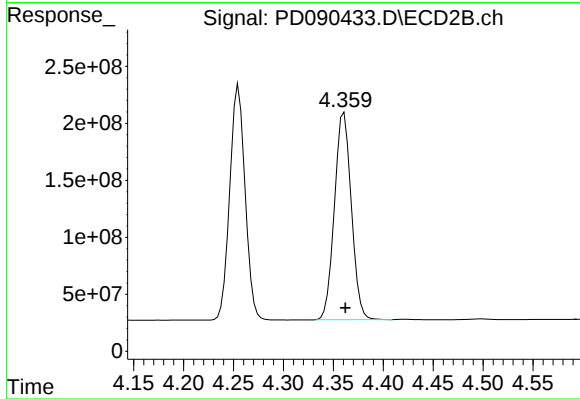
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.003 min
Response: 361785105
Conc: 56.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

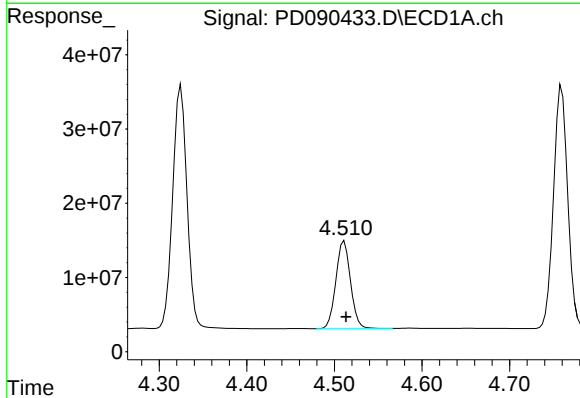
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



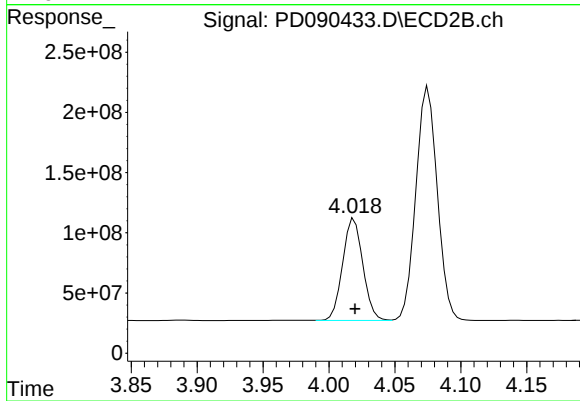
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2139073976
Conc: 53.56 ng/ml



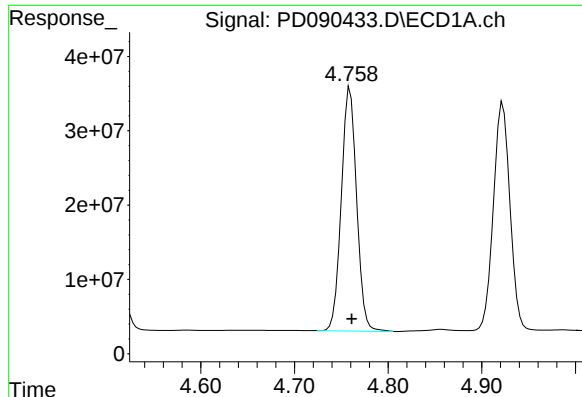
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 137440694
Conc: 53.27 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 904659810
Conc: 52.19 ng/ml



#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 373020129
Conc: 57.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

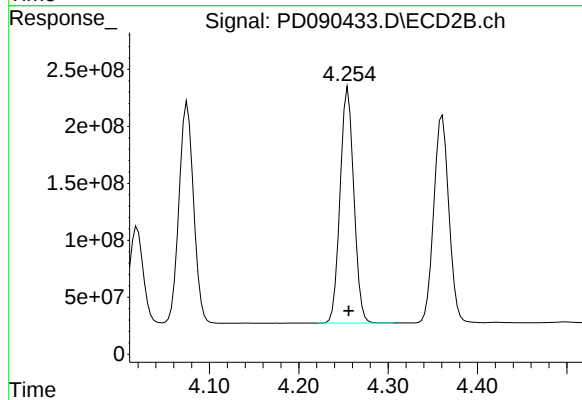
PSTDCCC050

Manual Integrations

APPROVED

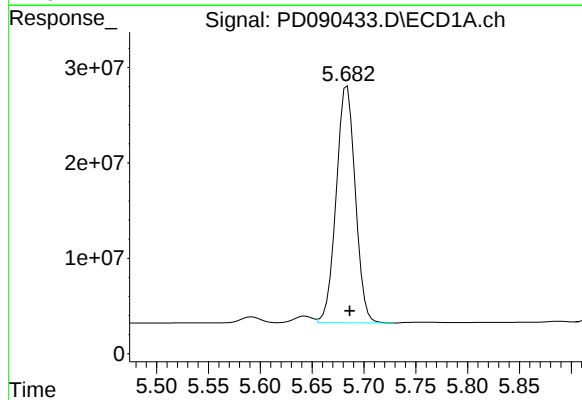
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



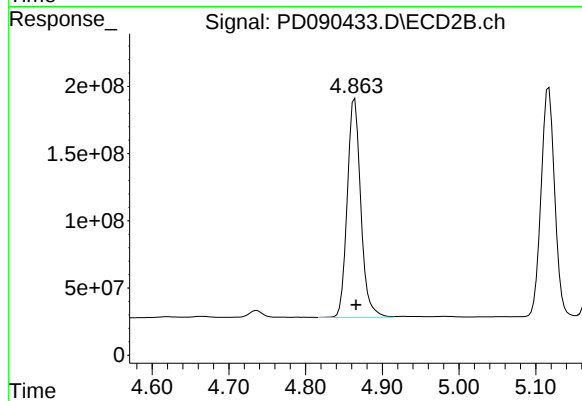
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2206913260
Conc: 53.44 ng/ml



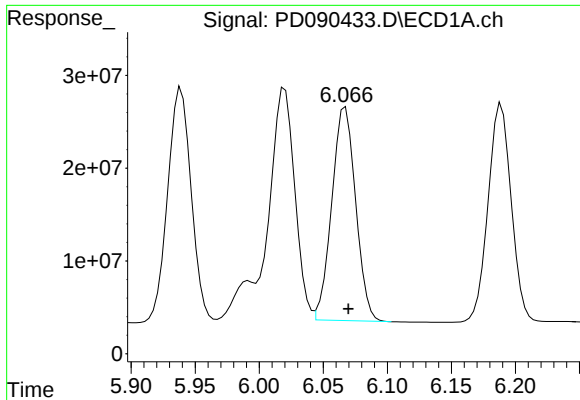
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 317216900
Conc: 55.51 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2003799766
Conc: 54.35 ng/ml



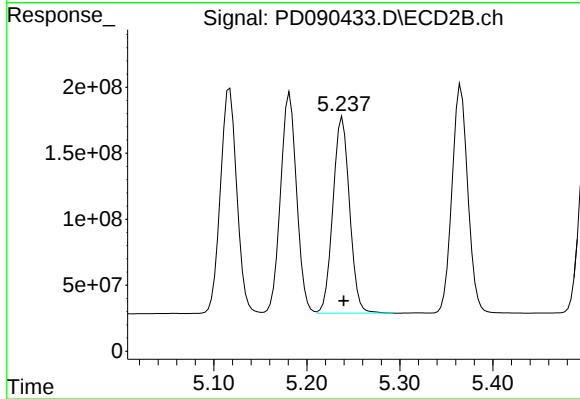
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 296185270
Conc: 54.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

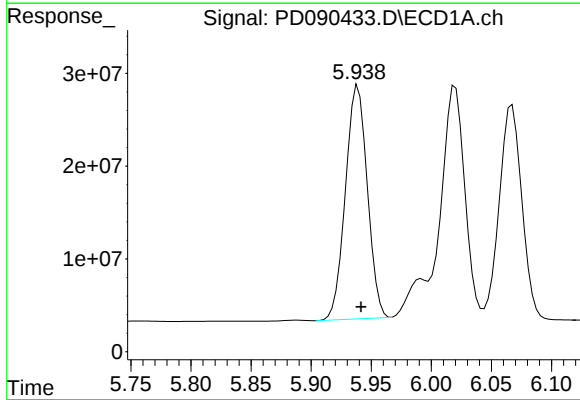
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



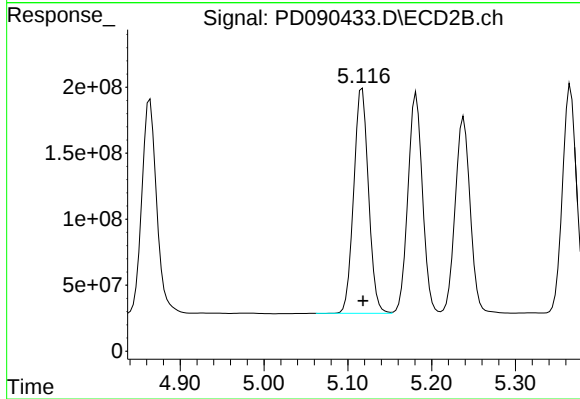
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1847963417
Conc: 53.40 ng/ml



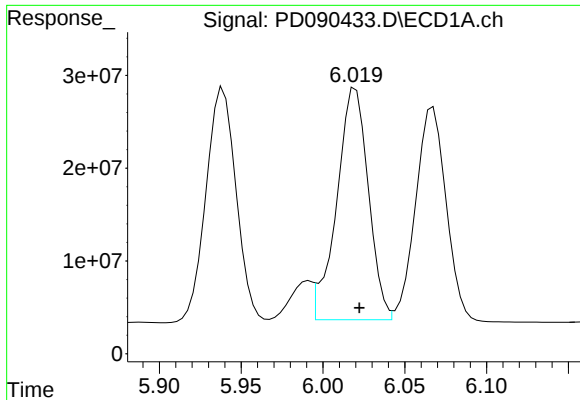
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 319468784
Conc: 55.93 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2091455070
Conc: 53.24 ng/ml



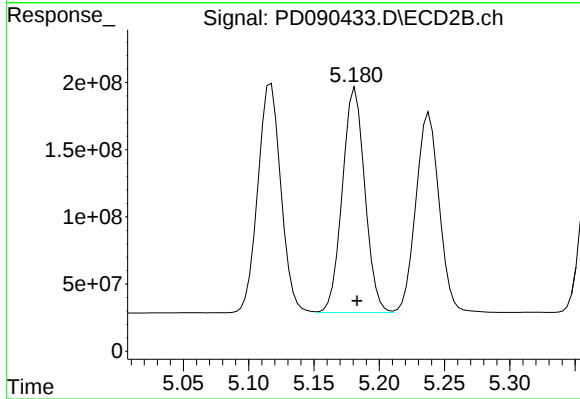
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 333818297
Conc: 57.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

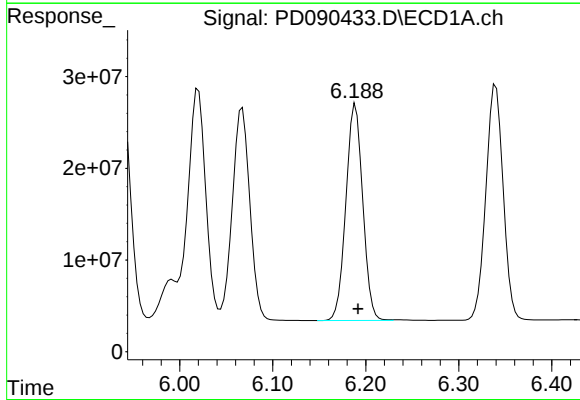
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



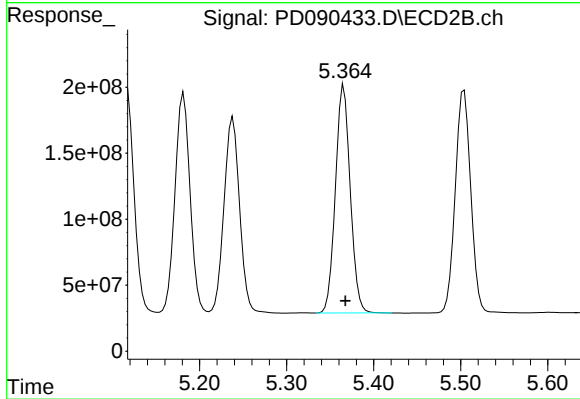
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2005484496
Conc: 53.24 ng/ml



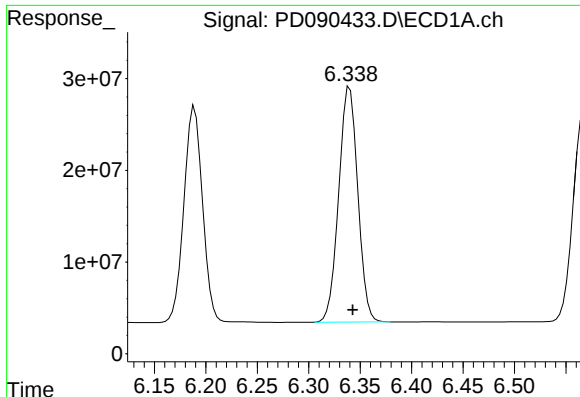
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 297353319
Conc: 57.10 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 2046025854
Conc: 53.45 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 330968193
Conc: 57.41 ng/ml

Instrument :

ECD_D

ClientSampleId :

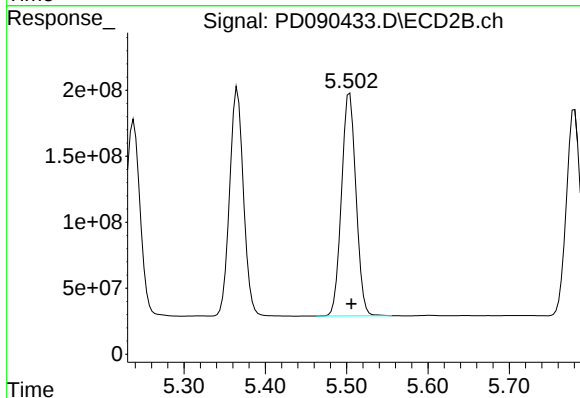
PSTDCCC050

Manual Integrations

APPROVED

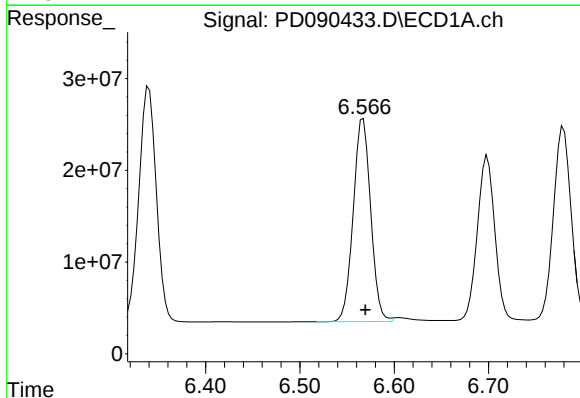
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



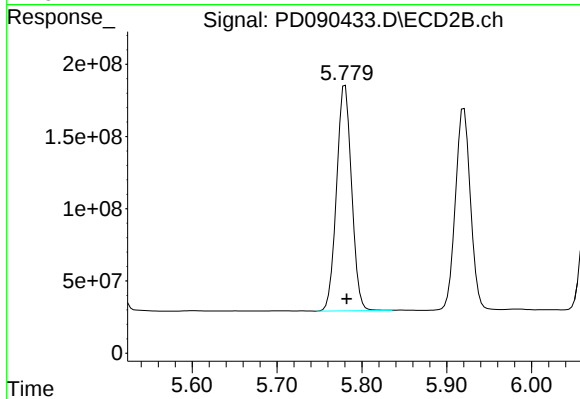
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 2084371849
Conc: 53.52 ng/ml



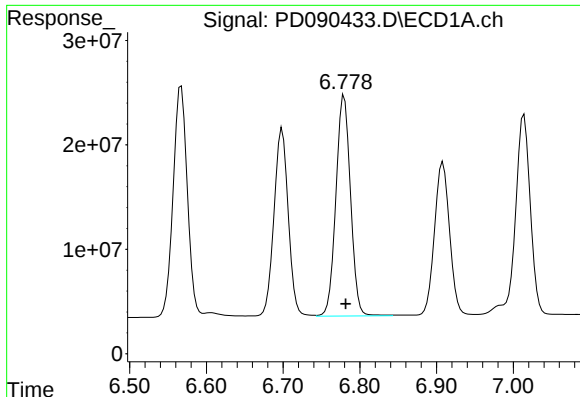
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 284653398
Conc: 58.16 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1916997391
Conc: 53.50 ng/ml



#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.002 min
Response: 279423277
Conc: 57.28 ng/ml

Instrument :

ECD_D

ClientSampleId :

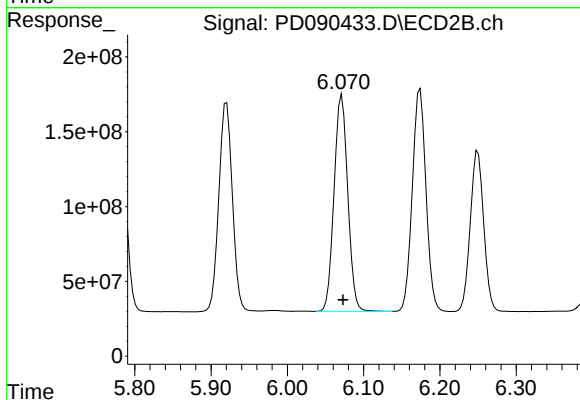
PSTDCCC050

Manual Integrations

APPROVED

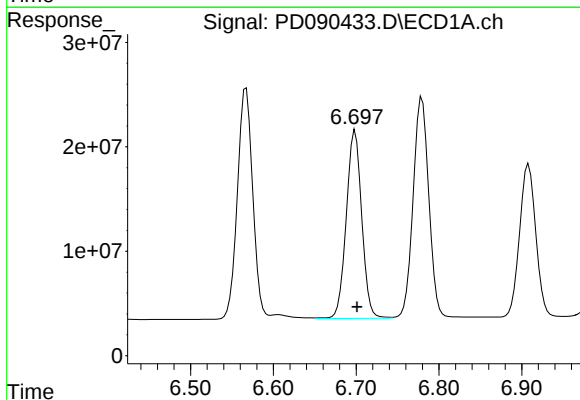
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



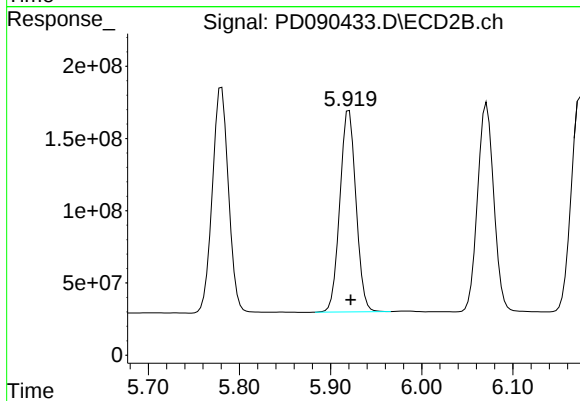
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 1799498654
Conc: 53.32 ng/ml



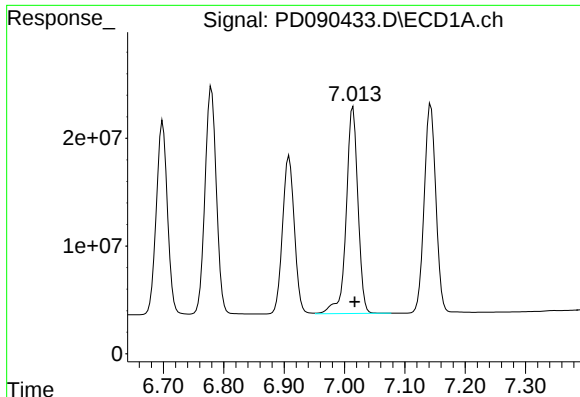
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 233619645
Conc: 57.01 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1714466243
Conc: 52.87 ng/ml



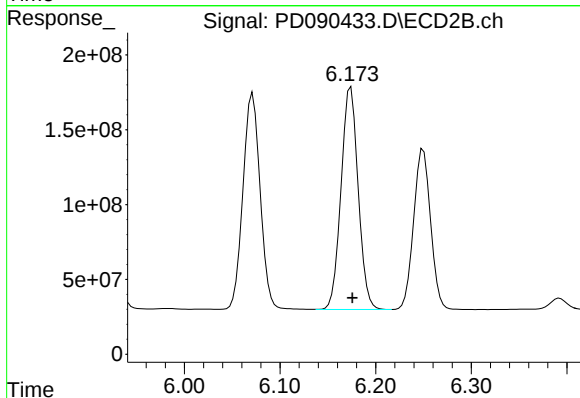
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 259770622
Conc: 58.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

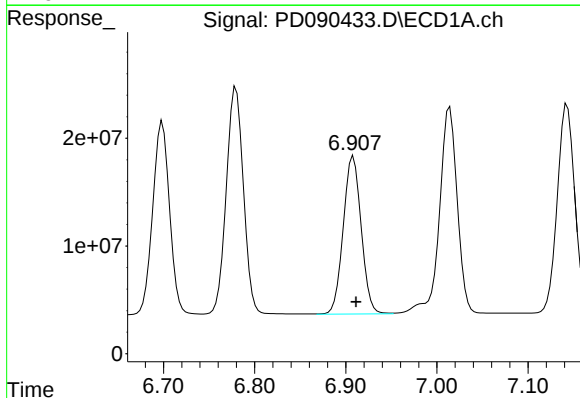
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



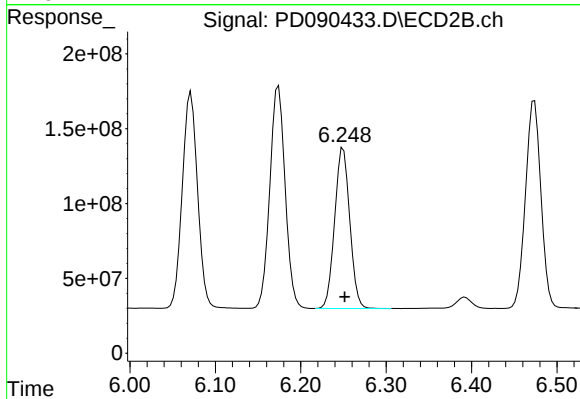
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1854907368
Conc: 53.95 ng/ml



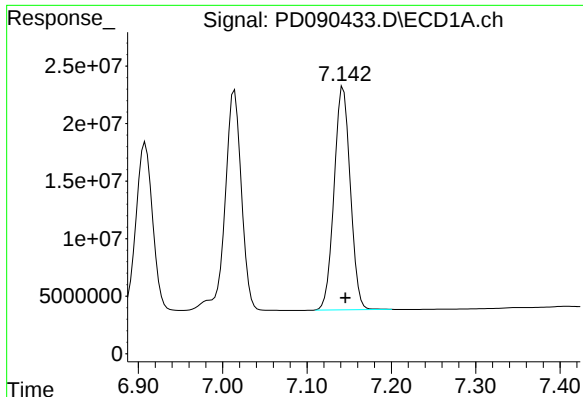
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 200805783
Conc: 58.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1320322150
Conc: 56.07 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 258873157
Conc: 56.27 ng/ml

Instrument :

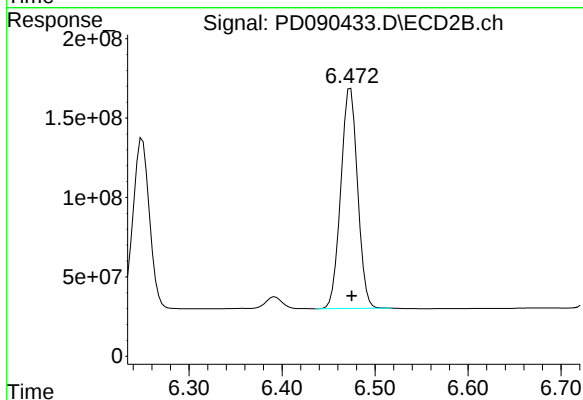
ECD_D

ClientSampleId :

PSTDCCC050

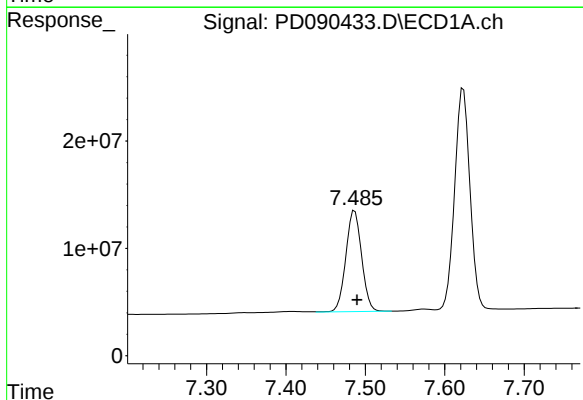
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



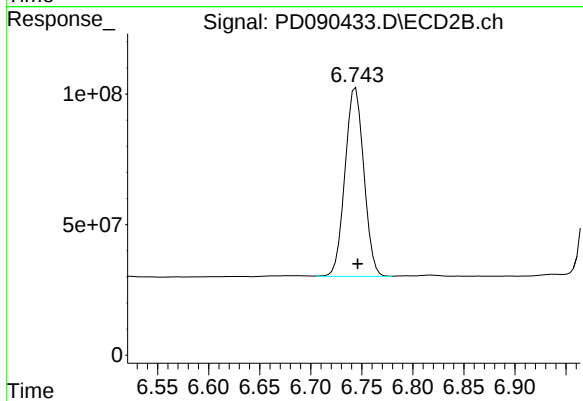
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1741080682
Conc: 53.26 ng/ml



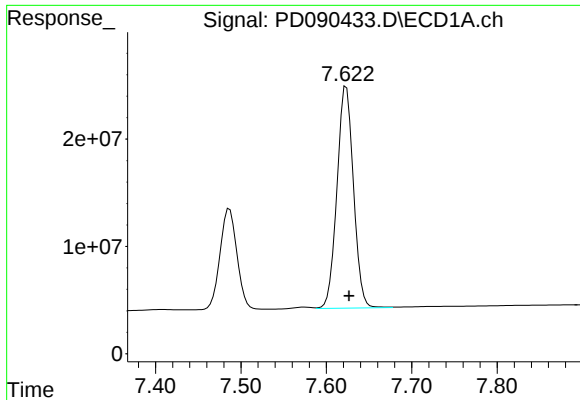
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.003 min
Response: 129716946
Conc: 55.05 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 927520007
Conc: 53.30 ng/ml



#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.003 min
Response: 277887492
Conc: 56.17 ng/ml

Instrument :

ECD_D

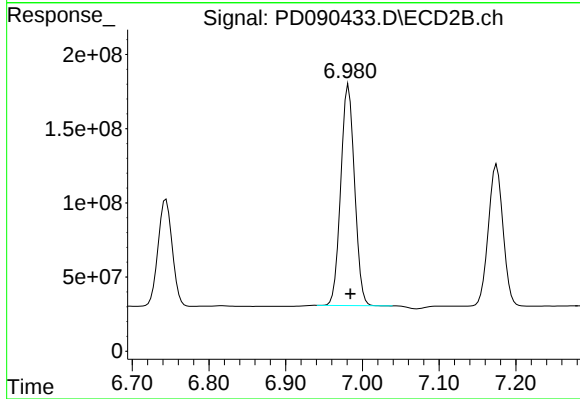
ClientSampleId :

PSTDCCC050

Manual Integrations

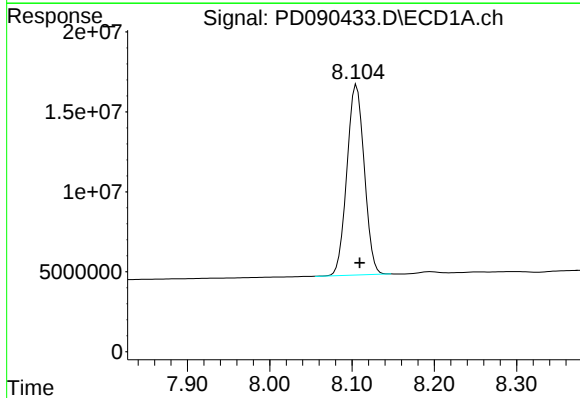
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



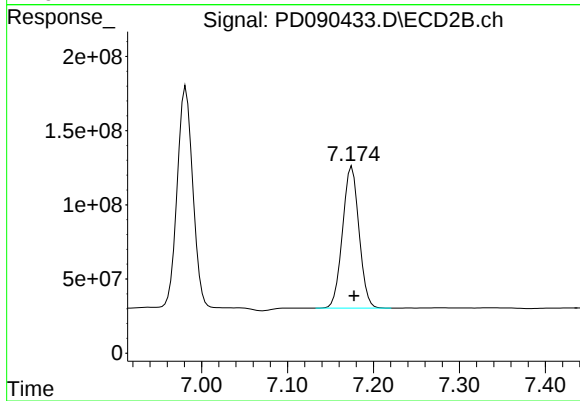
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1862606939
Conc: 51.59 ng/ml



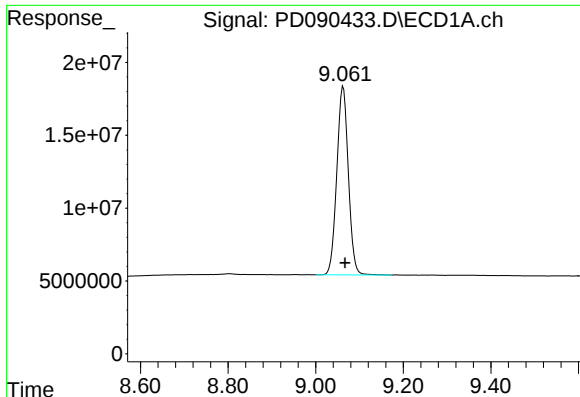
#22 Mirex

R.T.: 8.104 min
Delta R.T.: -0.005 min
Response: 174544213
Conc: 47.11 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1272349438
Conc: 46.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 236287202
Conc: 48.97 ng/ml

Instrument :

ECD_D

ClientSampleId :

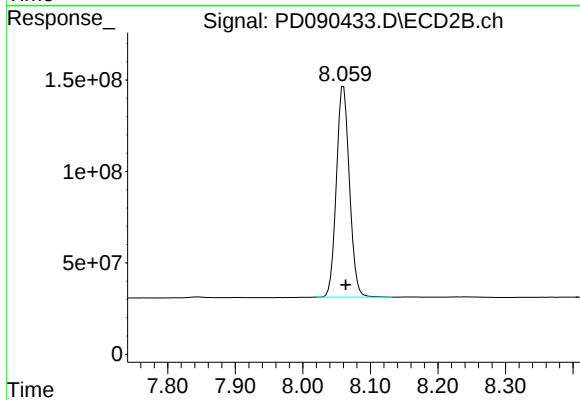
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.003 min
Response: 1557762353
Conc: 48.06 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	16.390	20.000	-18.1
Tetrachloro-m-xylene	3.546	3.500	3.600	16.190	20.000	-19.1
alpha-BHC	3.995	3.940	4.050	7.010	10.000	-29.9
beta-BHC	4.512	4.460	4.560	7.900	10.000	-21.0
gamma-BHC (Lindane)	4.325	4.270	4.380	7.190	10.000	-28.1
Endrin	6.569	6.500	6.640	38.000	50.000	-24.0
4,4'-DDT	7.016	6.950	7.090	74.700	100.000	-25.3
Methoxychlor	7.489	7.420	7.560	174.520	250.000	-30.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	15.820	20.000	-20.9
Tetrachloro-m-xylene	2.876	2.830	2.930	15.940	20.000	-20.3
alpha-BHC	3.388	3.340	3.440	8.280	10.000	-17.2
beta-BHC	4.020	3.970	4.070	8.430	10.000	-15.7
gamma-BHC (Lindane)	3.724	3.670	3.770	8.260	10.000	-17.4
Endrin	5.782	5.710	5.850	37.930	50.000	-24.1
4,4'-DDT	6.176	6.110	6.250	73.820	100.000	-26.2
Methoxychlor	6.746	6.680	6.820	155.590	250.000	-37.8

Data File: PEM
 PD090328.D **Date Acquired** 9/18/2025 10:03
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	185982244.3	190943546	4961301.7	2.60
Endrin aldehyde	6.91	866602.768			
Endrin ketone	7.63	4094698.937			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1358982336	1403287997	44305661	3.16
Endrin aldehyde #2	6.25	15992666.68			
Endrin ketone #2	6.98	28312994.3			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	332607789.5	335744897.9	3137108.44	0.93
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3137108.439			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2537873822	2570934646	33060823.6	1.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	33060823.6			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/19/2025
 Supervised By : mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.876	52614883	437.5E6	16.187	15.938
28)	SA Decachlor...	9.066	8.063	79104389	512.8E6	16.395	15.820
Target Compounds							
2)	A alpha-BHC	3.995	3.388	48940172	362.6E6	7.007	8.282
3)	MA gamma-BHC...	4.325	3.724	47568494	336.3E6	7.189	8.255
6)	B beta-BHC	4.512	4.020	20379483	146.1E6	7.899	8.429
14)	MA Endrin	6.569	5.782	186.0E6	1359.0E6	38.003	37.926
16)	A 4,4'-DDD	6.699	5.923	3137108	33060824	0.766m	1.020 #
17)	MA 4,4'-DDT	7.016	6.176	332.6E6	2537.9E6	74.702	73.820
18)	B Endrin al...	6.909	6.249	866603	15992667	0.253m	0.679 #
20)	A Methoxychlor	7.489	6.746	411.3E6	2707.3E6	174.521	155.591
21)	B Endrin ke...	7.626	6.983	4094699	28312994	0.828	0.784

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

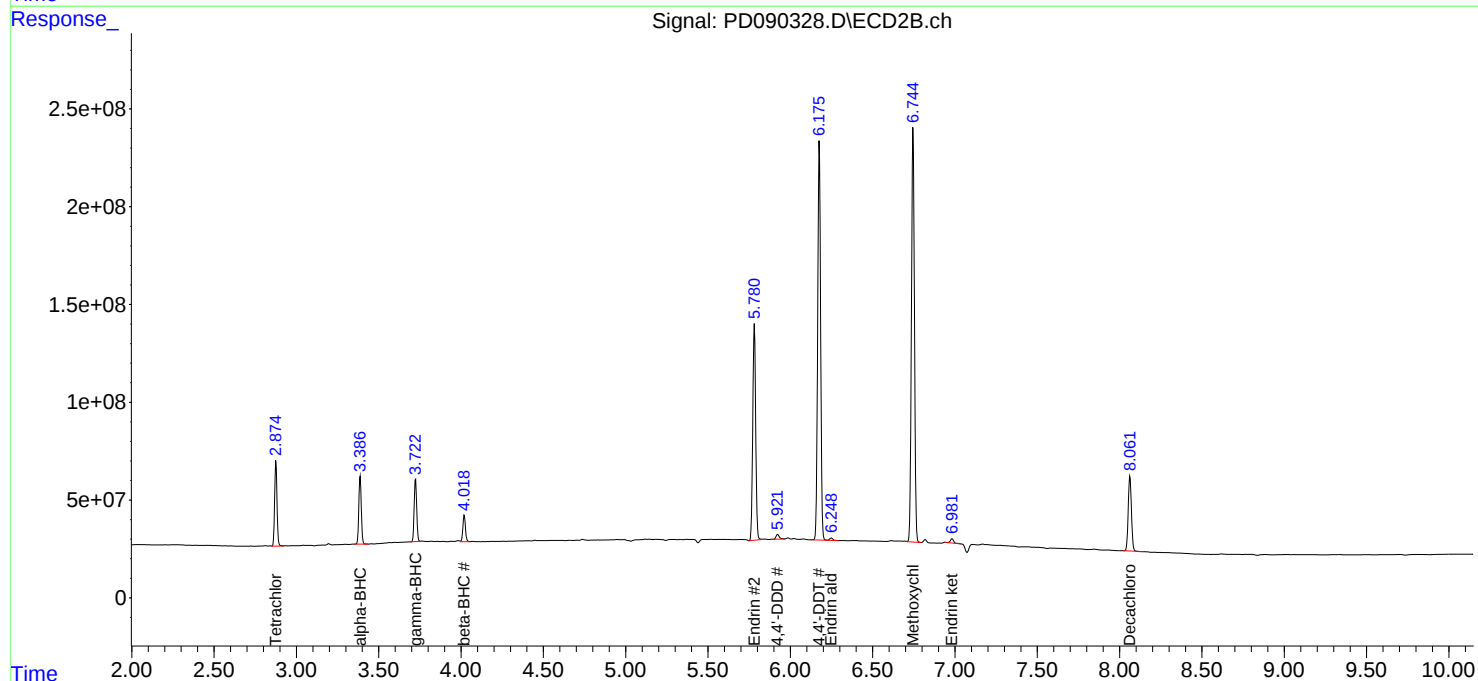
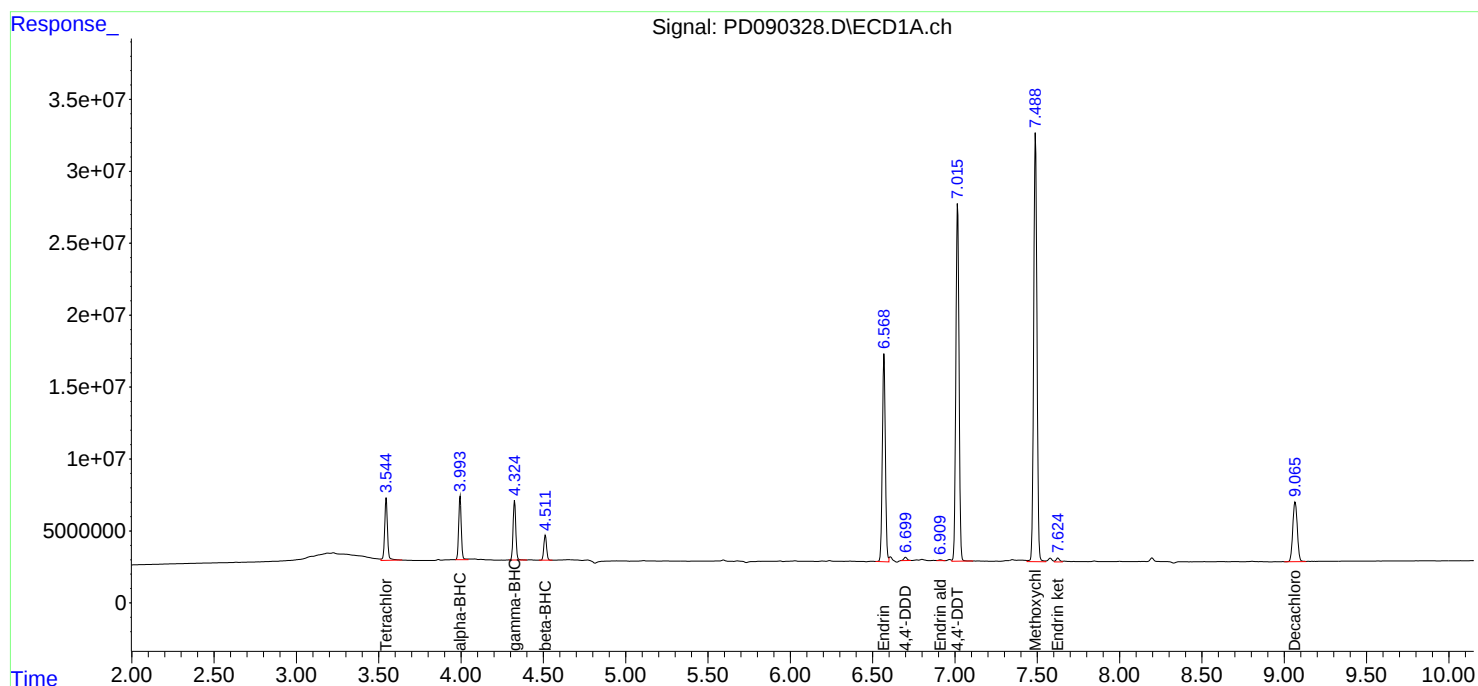
Instrument :
ECD_D
ClientSampleId :
PEM

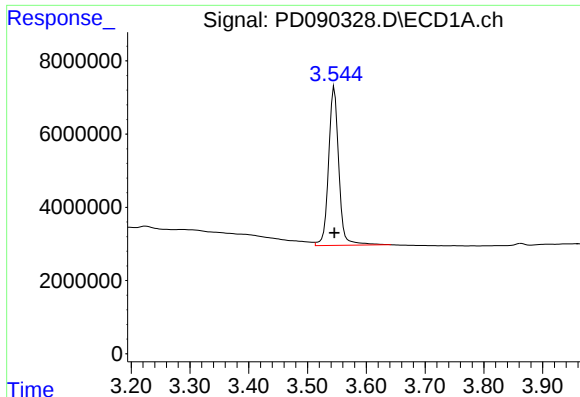
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/19/2025
Supervised By : mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





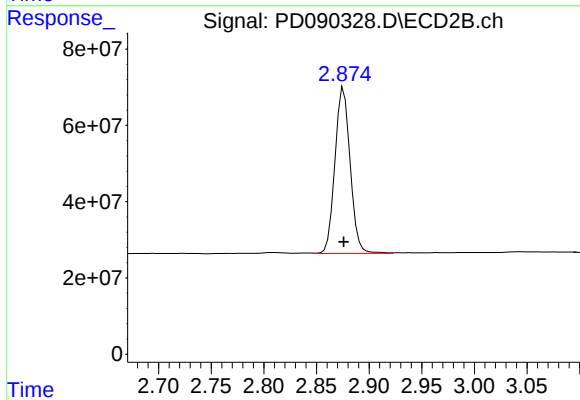
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 52614883
Conc: 16.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

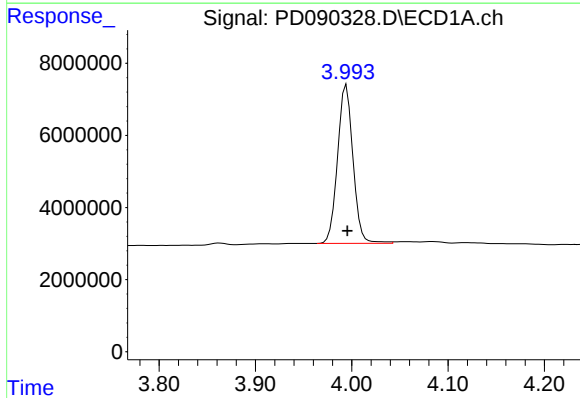
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



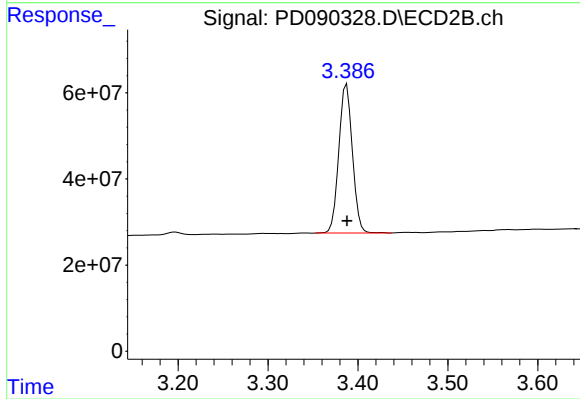
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 437486586
Conc: 15.94 ng/ml



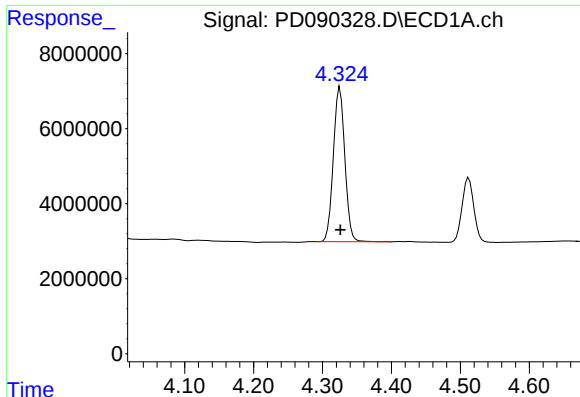
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 48940172
Conc: 7.01 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 362613966
Conc: 8.28 ng/ml



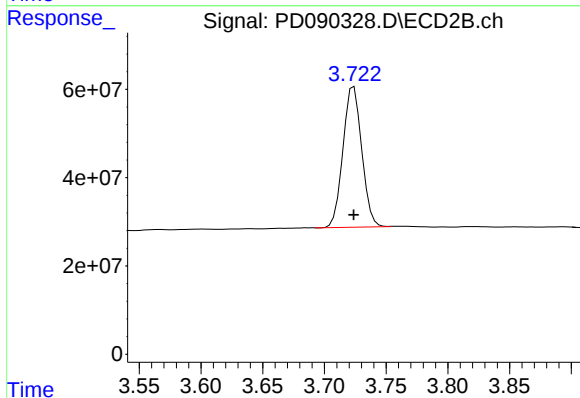
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 47568494
Conc: 7.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

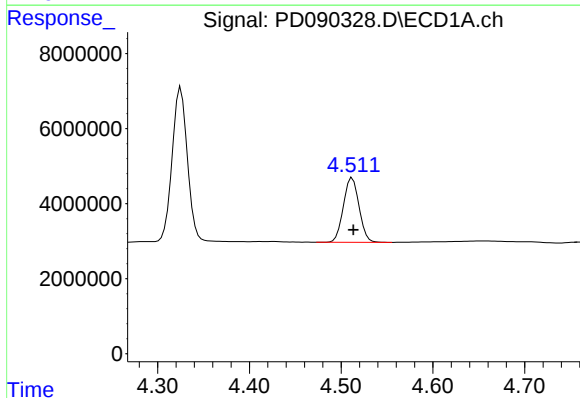
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



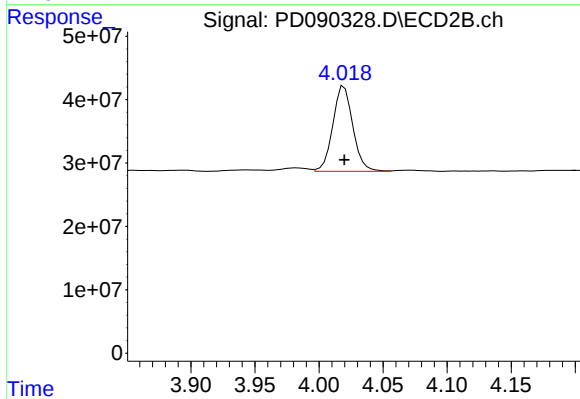
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 336278718
Conc: 8.26 ng/ml



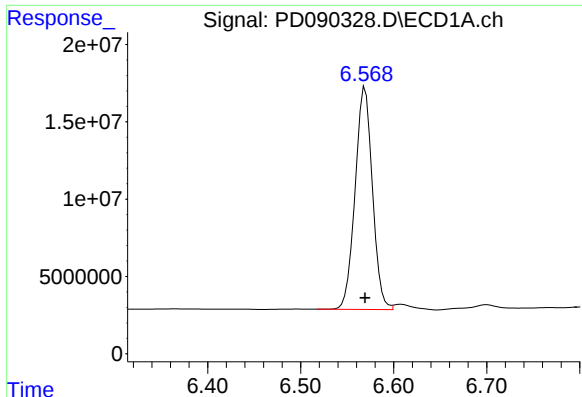
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20379483
Conc: 7.90 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 146120533
Conc: 8.43 ng/ml



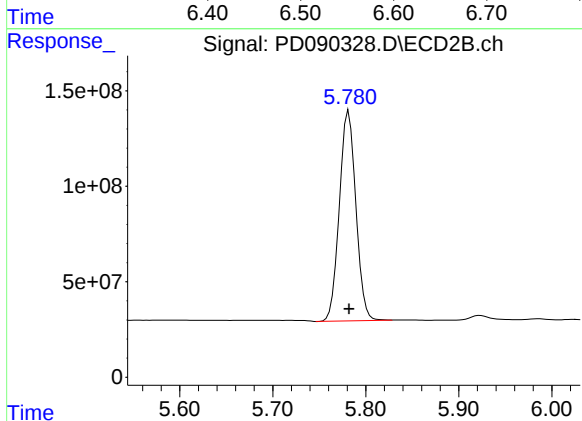
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 185982244
Conc: 38.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

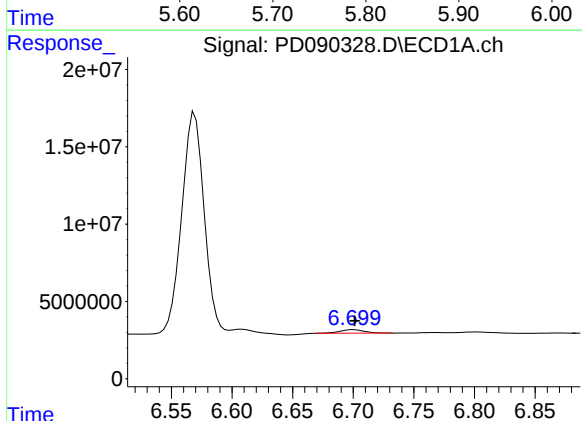
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



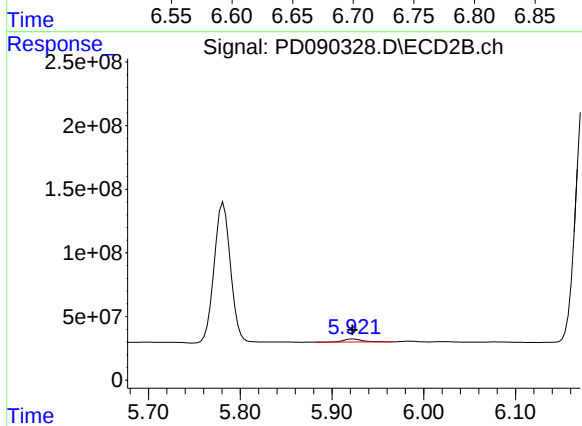
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1358982336
Conc: 37.93 ng/ml



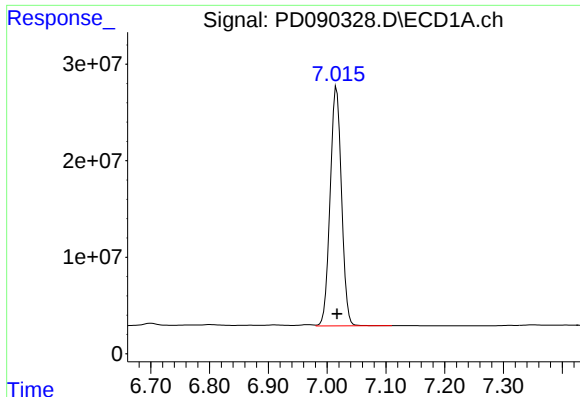
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 3137108
Conc: 0.77 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 33060824
Conc: 1.02 ng/ml



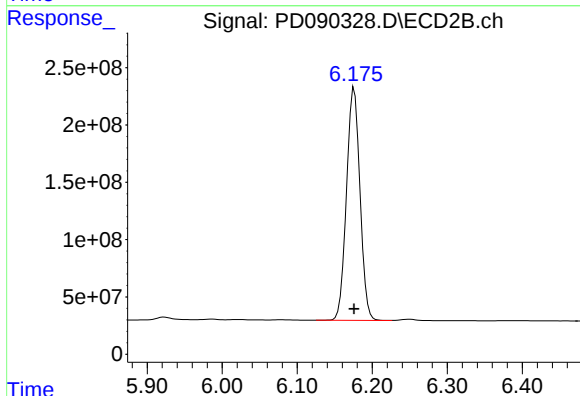
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 332607789
Conc: 74.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

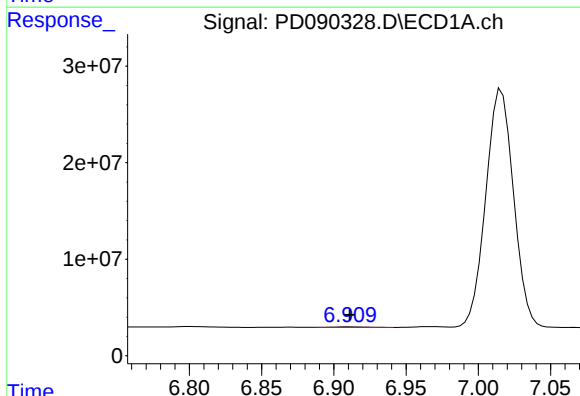
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



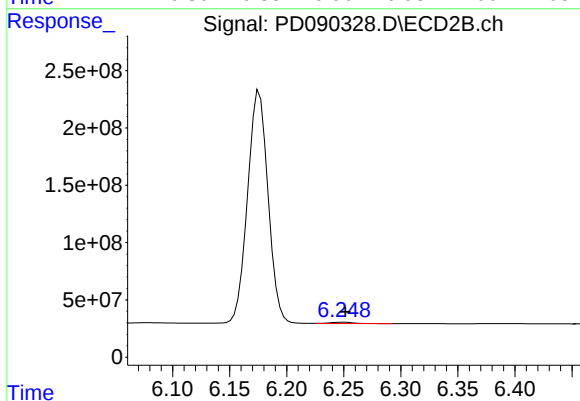
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2537873822
Conc: 73.82 ng/ml



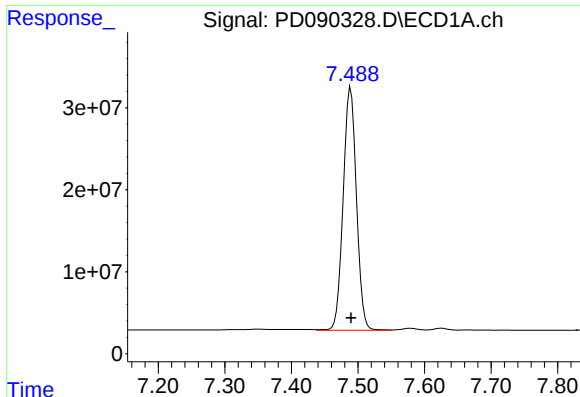
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 866603
Conc: 0.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 15992667
Conc: 0.68 ng/ml



#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 411259807
Conc: 174.52 ng/ml

Instrument :

ECD_D

ClientSampleId :

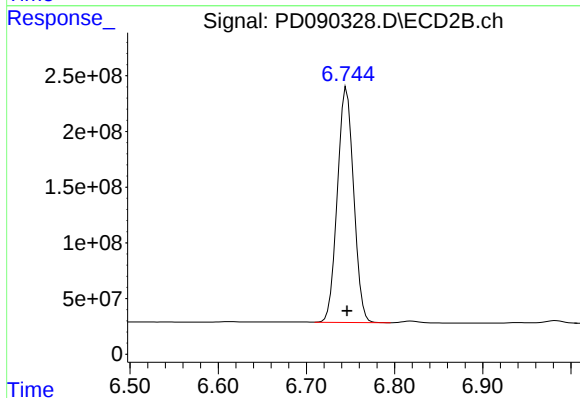
PEM

Manual Integrations

APPROVED

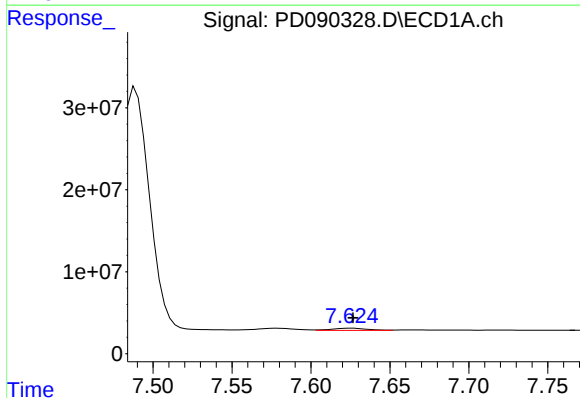
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



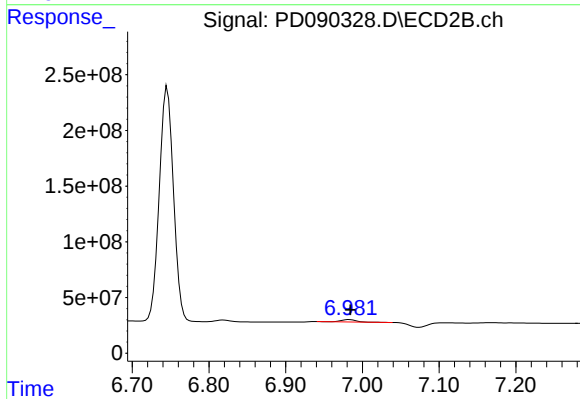
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 2707341456
Conc: 155.59 ng/ml



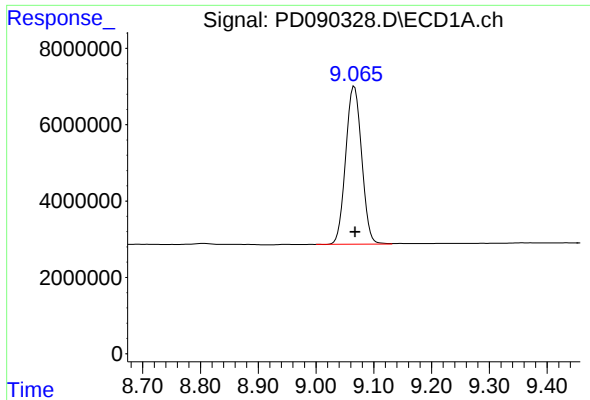
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 4094699
Conc: 0.83 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 28312994
Conc: 0.78 ng/ml



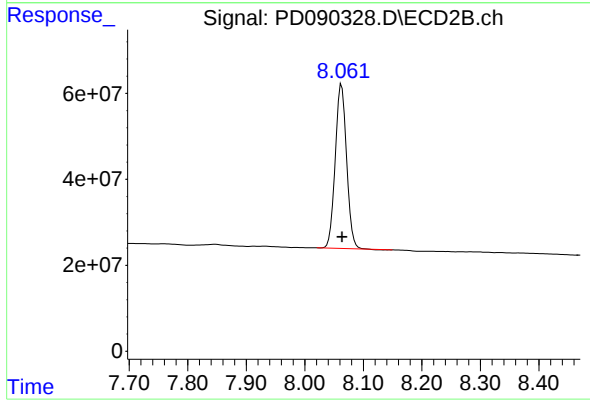
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 79104389
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 512786466
Conc: 15.82 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090417.D Date Analyzed: 09/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:29

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.063	8.960	9.160	17.510	20.000	-12.5
Tetrachloro-m-xylene	3.545	3.490	3.600	20.030	20.000	0.2
alpha-BHC	3.995	3.940	4.050	8.200	10.000	-18.0
beta-BHC	4.512	4.460	4.560	8.870	10.000	-11.3
gamma-BHC (Lindane)	4.325	4.270	4.380	8.270	10.000	-17.3
Endrin	6.568	6.500	6.640	45.220	50.000	-9.6
4,4'-DDT	7.015	6.940	7.090	91.470	100.000	-8.5
Methoxychlor	7.486	7.420	7.560	211.850	250.000	-15.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090417.D Date Analyzed: 09/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:29

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	16.420	20.000	-17.9
Tetrachloro-m-xylene	2.875	2.820	2.930	19.600	20.000	-2.0
alpha-BHC	3.387	3.340	3.440	9.430	10.000	-5.7
beta-BHC	4.019	3.970	4.070	9.210	10.000	-7.9
gamma-BHC (Lindane)	3.723	3.670	3.770	9.400	10.000	-6.0
Endrin	5.780	5.710	5.850	41.220	50.000	-17.6
4,4'-DDT	6.174	6.100	6.240	81.100	100.000	-18.9
Methoxychlor	6.744	6.670	6.810	168.280	250.000	-32.7

PEM
Data File: PD090417.D Date Acquired 9/29/2025 11:29
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	221303292.6	225006966.6	3703673.98	Down 1.65
Endrin aldehyde	6.92	2009896.97			
Endrin ketone	7.62	1693777.015			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1476922309	1501172092	24249783.5	1.62
Endrin aldehyde #2	6.25	10432499.51			
Endrin ketone #2	6.98	13817283.99			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	407277840	408016836.8	738996.866	0.18
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	738996.866			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	2788064185	2793933901	5869715.47	0.21
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	5869715.468			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090417.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 11:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/30/2025
 Supervised By : mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:30:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	65121966	538.0E6	20.035	19.600
28) SA Decachlor...	9.063	8.062	84492393	532.3E6	17.511	16.422
Target Compounds						
2) A alpha-BHC	3.995	3.387	57250974	412.7E6	8.197	9.427
3) MA gamma-BHC...	4.325	3.723	54713335	382.7E6	8.269	9.395
6) B beta-BHC	4.512	4.019	22896347	159.6E6	8.875	9.208
14) MA Endrin	6.568	5.780	221.3E6	1476.9E6	45.220	41.218
16) A 4,4'-DDD	6.702	5.925	738997	5869715	0.180m	0.181m
17) MA 4,4'-DDT	7.015	6.174	407.3E6	2788.1E6	91.473	81.098
18) B Endrin al...	6.924	6.246	2009897	10432500	0.586m	0.443
20) A Methoxychlor	7.486	6.744	499.2E6	2928.2E6	211.850m	168.283
21) B Endrin ke...	7.625	6.980	1693777	13817284	0.342m	0.383m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 11:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

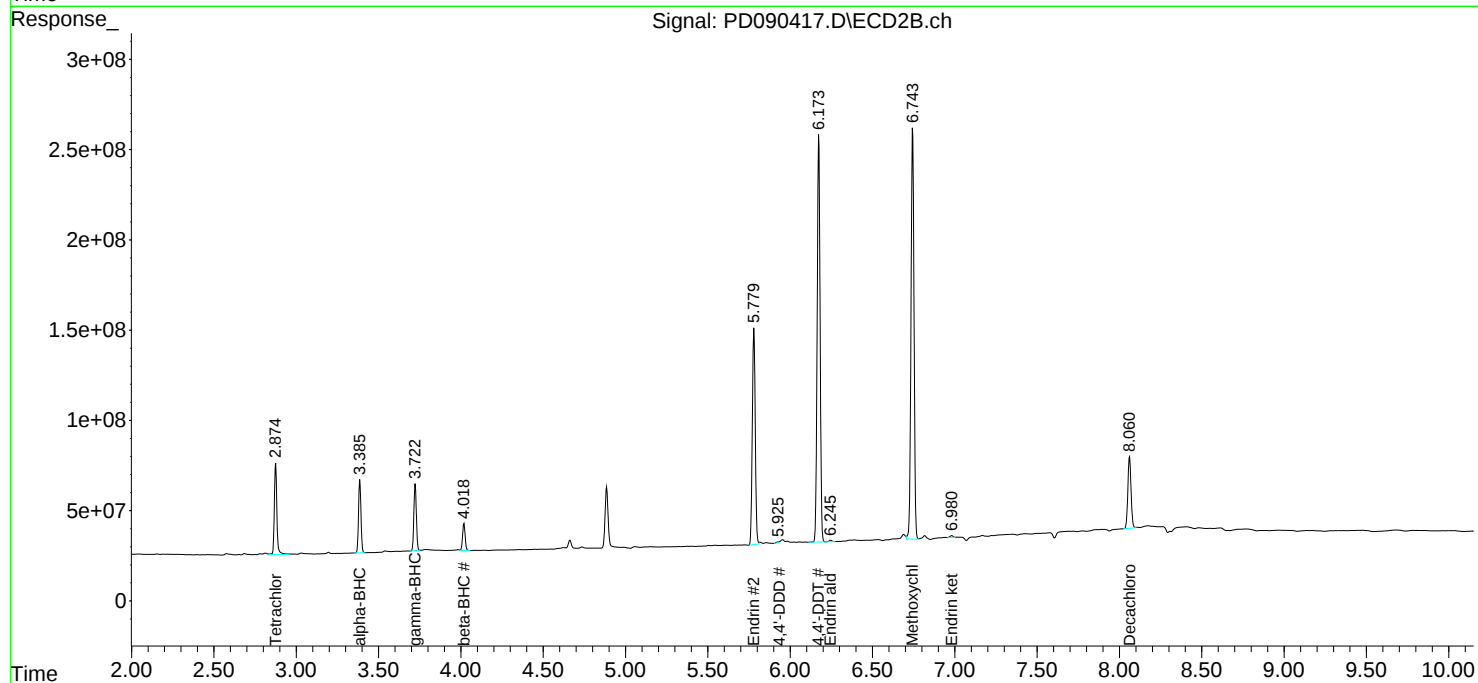
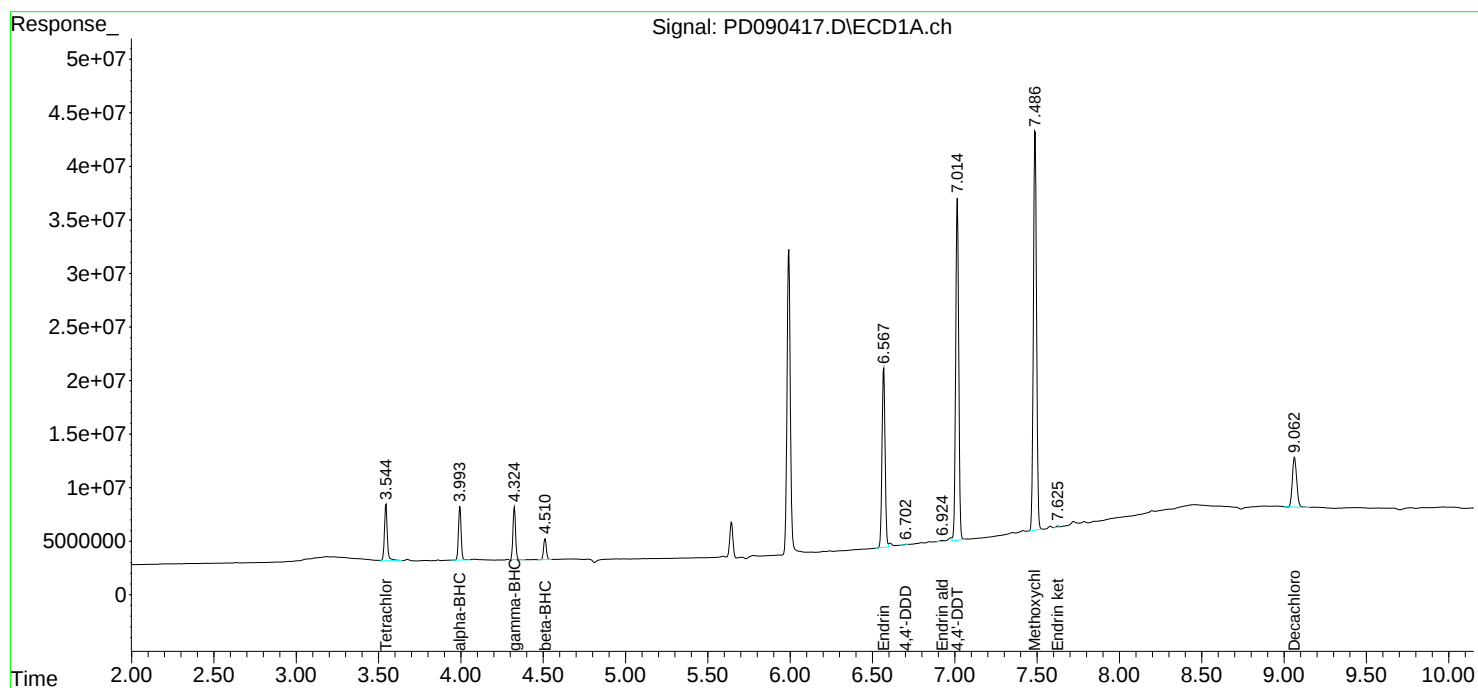
Instrument :
ECD_D
ClientSampleId :
PEM

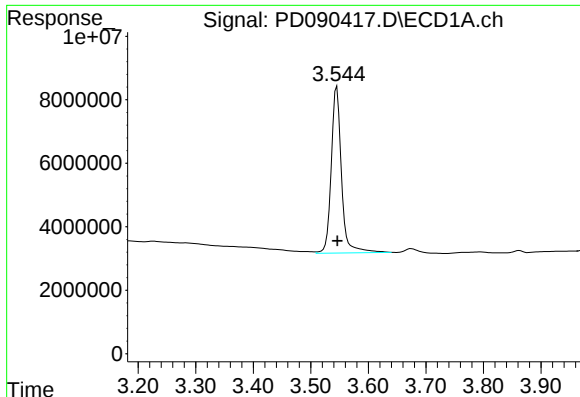
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:30:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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: 65121966
Conc: 20.03 ng/ml

Instrument :

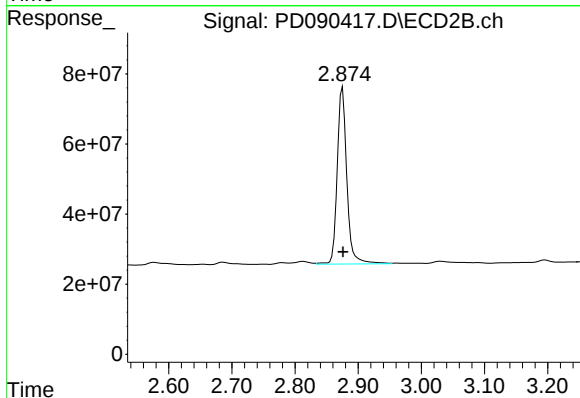
ECD_D

ClientSampleId :

PEM

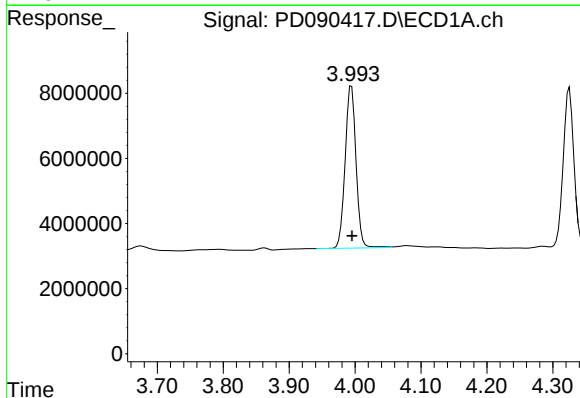
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



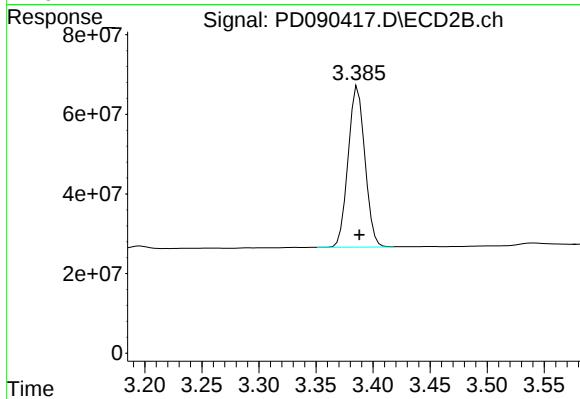
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 538019310
Conc: 19.60 ng/ml



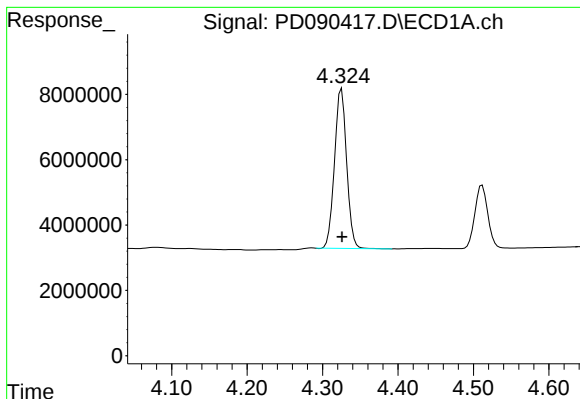
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 57250974
Conc: 8.20 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 412724541
Conc: 9.43 ng/ml



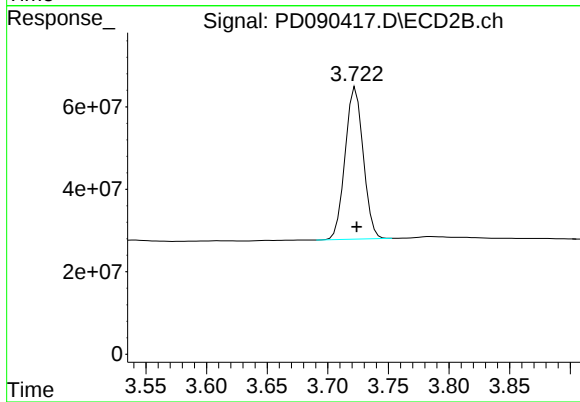
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 54713335
Conc: 8.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

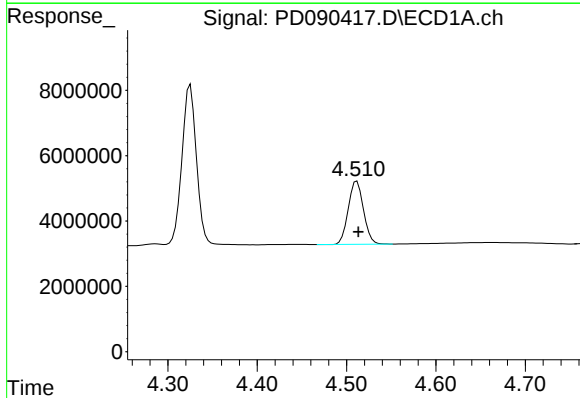
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



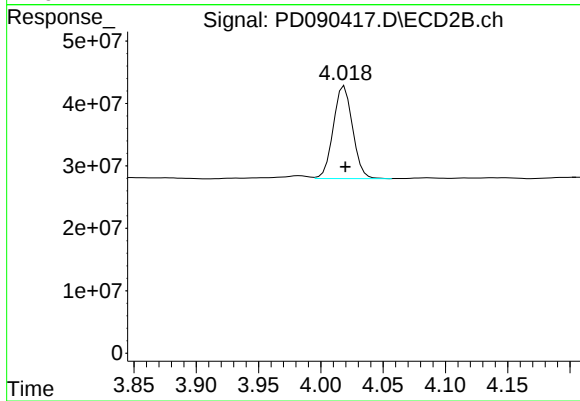
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 382726097
Conc: 9.40 ng/ml



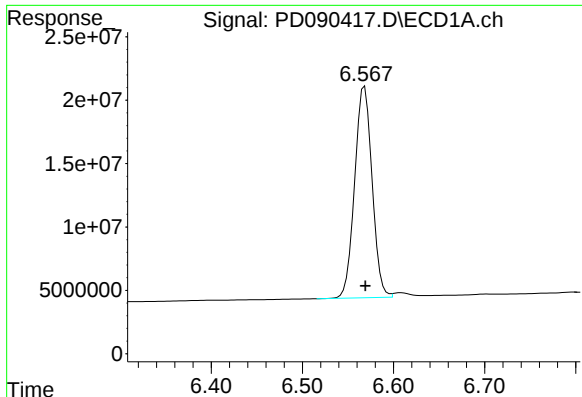
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 22896347
Conc: 8.87 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 159617711
Conc: 9.21 ng/ml



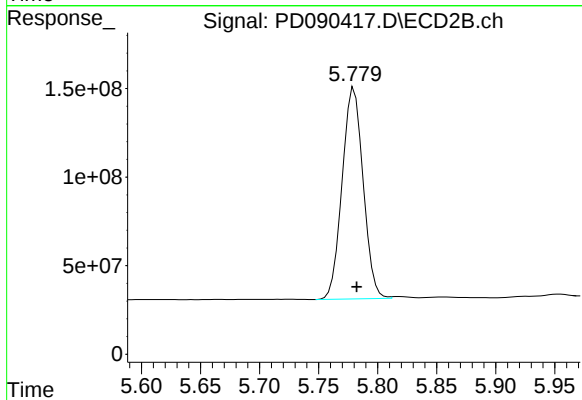
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 221303293
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

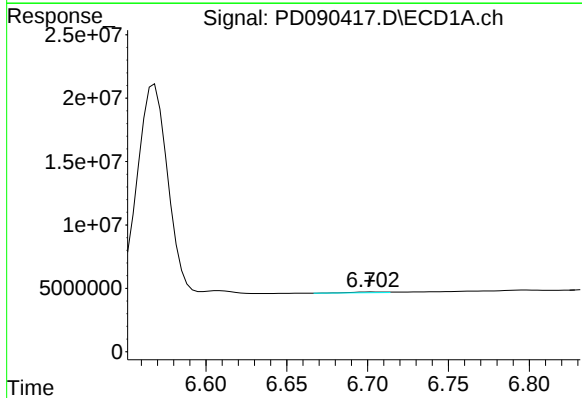
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



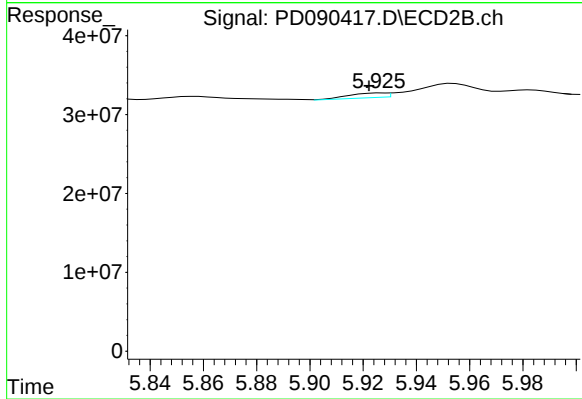
#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1476922309
Conc: 41.22 ng/ml



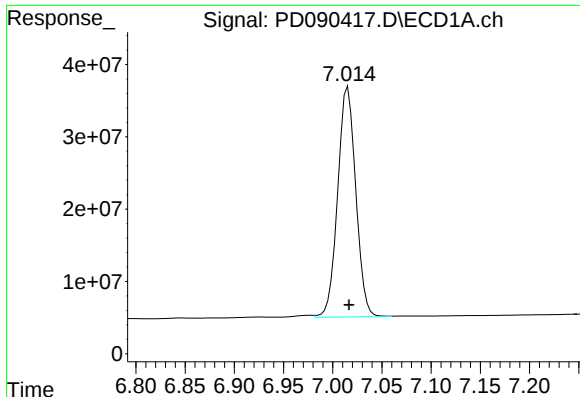
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 738997
Conc: 0.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.003 min
Response: 5869715
Conc: 0.18 ng/ml m



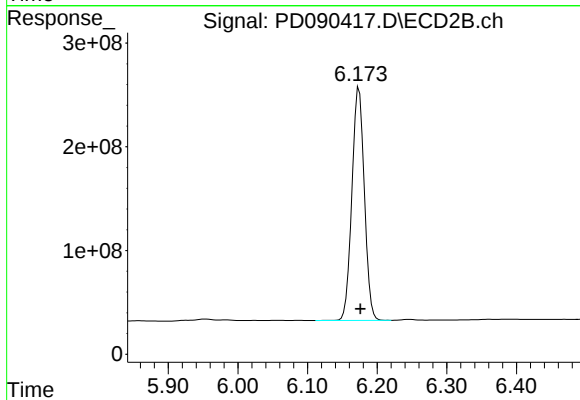
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.001 min
Response: 407277840
Conc: 91.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

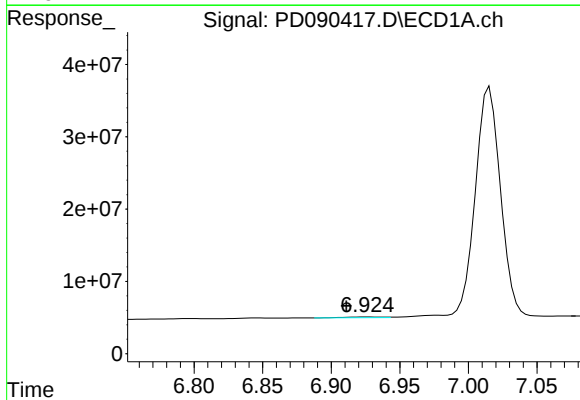
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



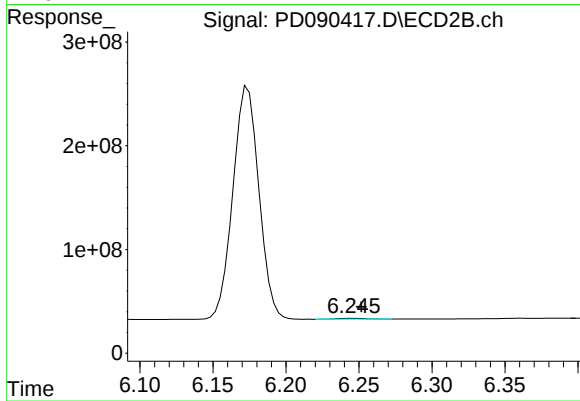
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 2788064185
Conc: 81.10 ng/ml



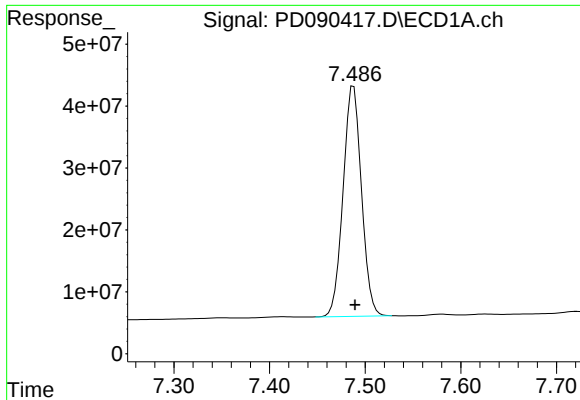
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.013 min
Response: 2009897
Conc: 0.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.006 min
Response: 10432500
Conc: 0.44 ng/ml



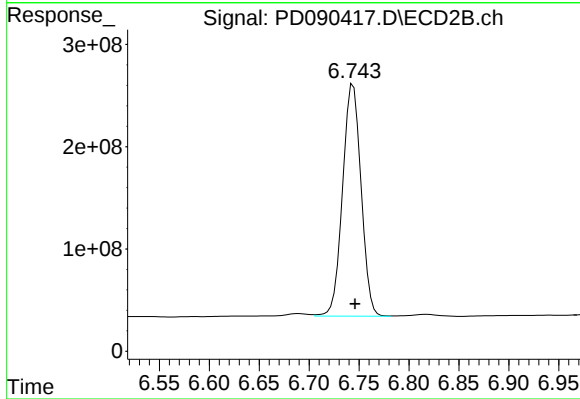
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 499227552
Conc: 211.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

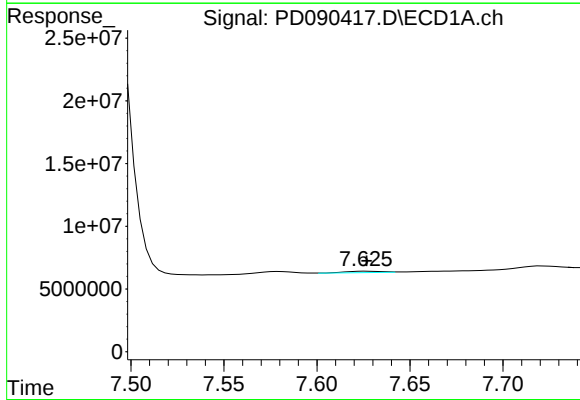
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



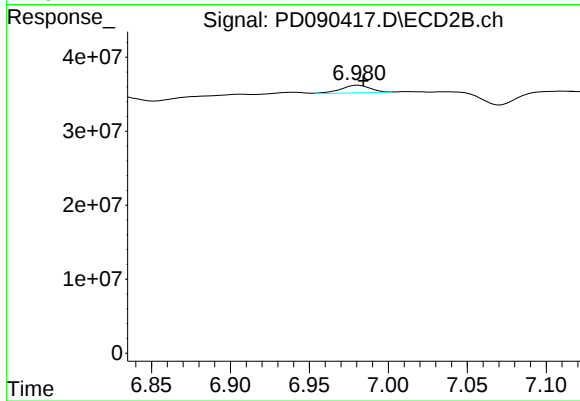
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 2928187638
Conc: 168.28 ng/ml



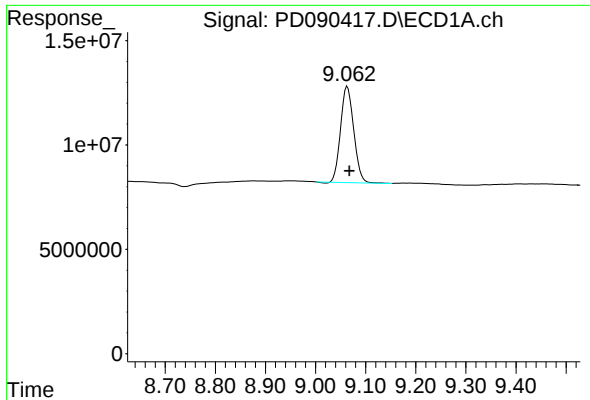
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 1693777
Conc: 0.34 ng/ml m



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.004 min
Response: 13817284
Conc: 0.38 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 84492393
Conc: 17.51 ng/ml

Instrument :

ECD_D

ClientSampleId :

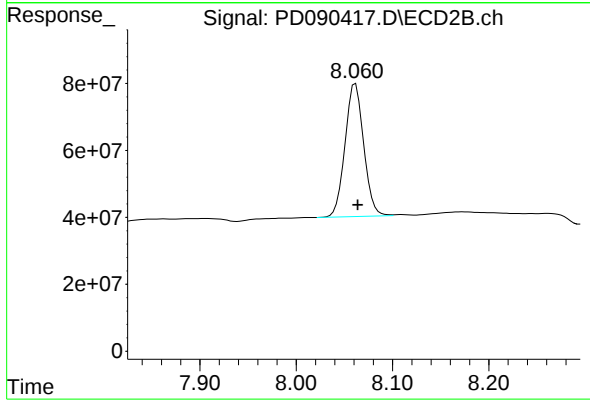
PEM

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 532310167
Conc: 16.42 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090432.D Date Analyzed: 09/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:40

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.063	8.960	9.160	18.840	20.000	-5.8
Tetrachloro-m-xylene	3.545	3.490	3.600	19.130	20.000	-4.4
alpha-BHC	3.994	3.940	4.040	8.430	10.000	-15.7
beta-BHC	4.512	4.460	4.560	9.360	10.000	-6.4
gamma-BHC (Lindane)	4.324	4.270	4.370	8.540	10.000	-14.6
Endrin	6.568	6.500	6.640	49.000	50.000	-2.0
4,4'-DDT	7.015	6.940	7.090	98.920	100.000	-1.1
Methoxychlor	7.487	7.420	7.560	228.680	250.000	-8.5

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090432.D Date Analyzed: 09/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:40

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	18.540	20.000	-7.3
Tetrachloro-m-xylene	2.875	2.820	2.930	18.780	20.000	-6.1
alpha-BHC	3.387	3.340	3.440	9.760	10.000	-2.4
beta-BHC	4.019	3.970	4.070	9.820	10.000	-1.8
gamma-BHC (Lindane)	3.723	3.670	3.770	9.820	10.000	-1.8
Endrin	5.781	5.710	5.850	46.210	50.000	-7.6
4,4'-DDT	6.174	6.100	6.240	89.980	100.000	-10.0
Methoxychlor	6.745	6.670	6.820	190.510	250.000	-23.8

Data File: PEM
 PD090432.D **Date Acquired** 9/29/2025 19:40
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	239787681.1	242268677.8	2480996.65	Down 1.02
Endrin aldehyde	6.92	830379.837			
Endrin ketone	7.62	1650616.816			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1655763559	1684037024	28273464.1	1.68
Endrin aldehyde #2	6.25	13089471.16			
Endrin ketone #2	6.98	15183992.92			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	440416694.4	441359208.1	942513.73	0.21
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	942513.73			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3093499847	3104965953	11466106.2	0.37
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	11466106.22			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090432.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 19:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:33:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	62184378	515.4E6	19.131	18.776
28) SA Decachlor...	9.063	8.062	90898798	601.0E6	18.839	18.542
Target Compounds						
2) A alpha-BHC	3.994	3.387	58897576	427.5E6	8.433	9.765
3) MA gamma-BHC...	4.324	3.723	56519854	400.2E6	8.542	9.824
6) B beta-BHC	4.512	4.019	24143810	170.3E6	9.358	9.821
14) MA Endrin	6.568	5.781	239.8E6	1655.8E6	48.997	46.209
16) A 4,4'-DDD	6.701	5.924	942514	11466106	0.230m	0.354m#
17) MA 4,4'-DDT	7.015	6.174	440.4E6	3093.5E6	98.915	89.982
18) B Endrin al...	6.920	6.247	830380	13089471	0.242m	0.556 #
20) A Methoxychlor	7.487	6.745	538.9E6	3314.9E6	228.685	190.506
21) B Endrin ke...	7.623	6.981	1650617	15183993	0.334m	0.421m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 19:40
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

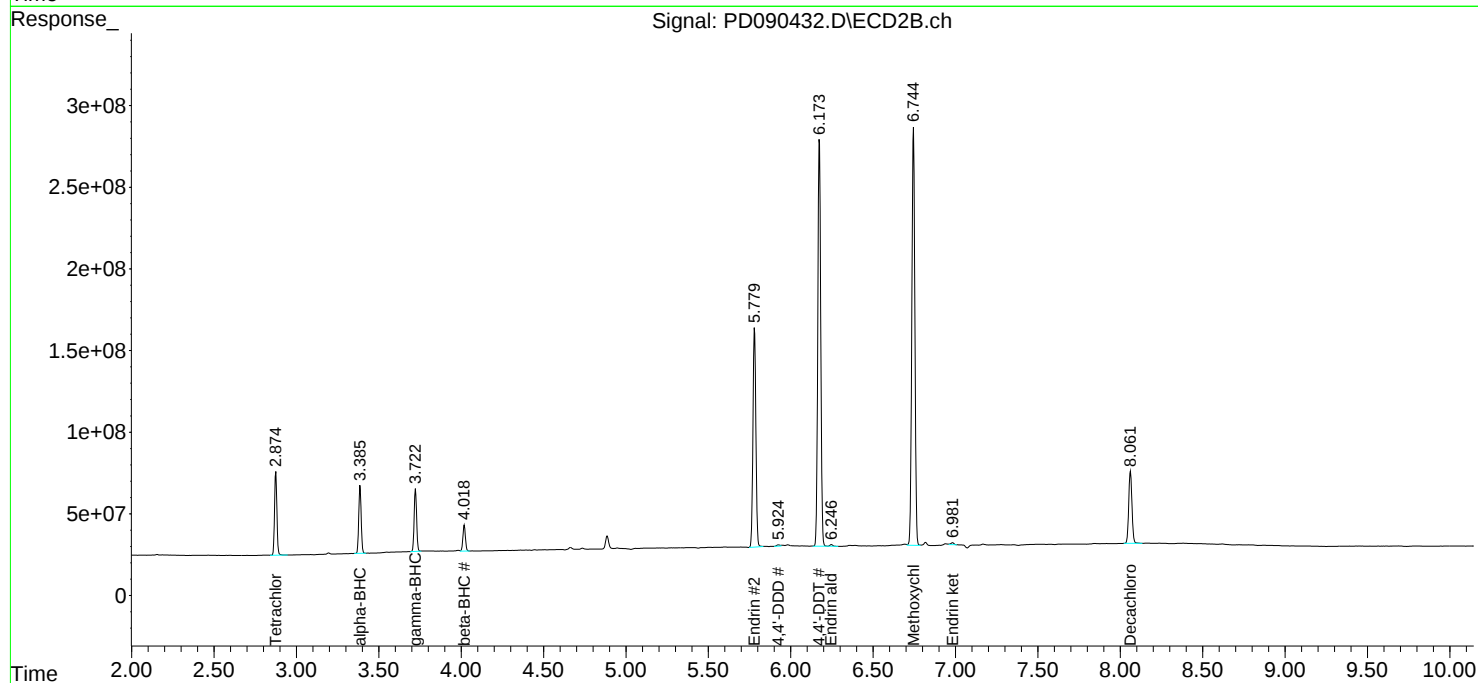
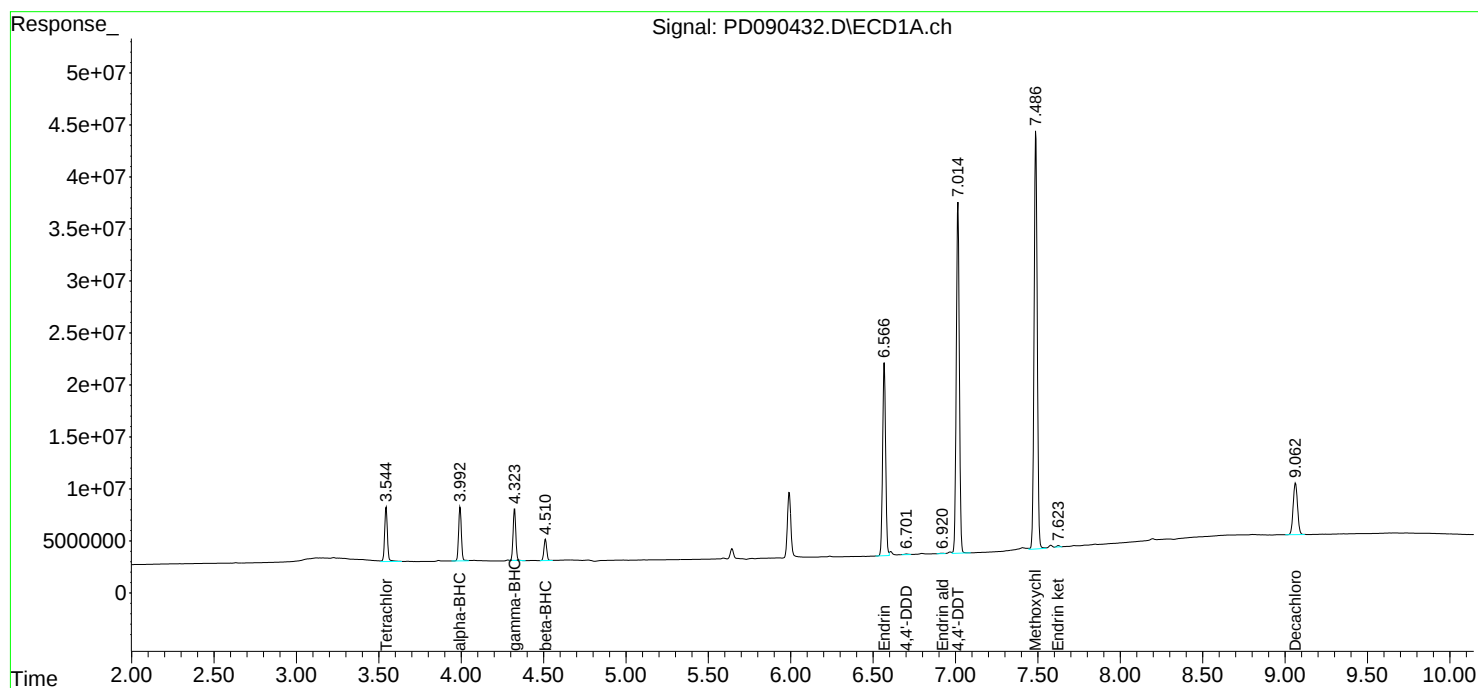
Instrument :
ECD_D
ClientSampleId :
PEM

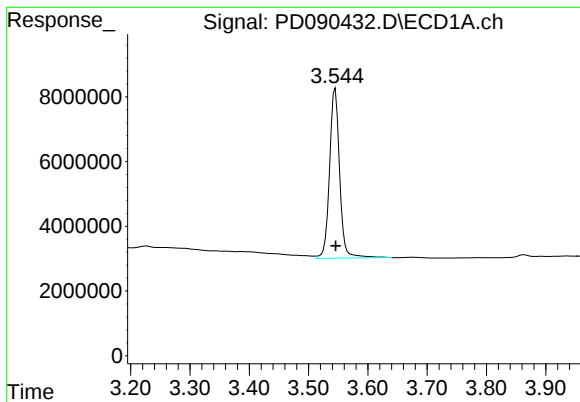
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:33:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





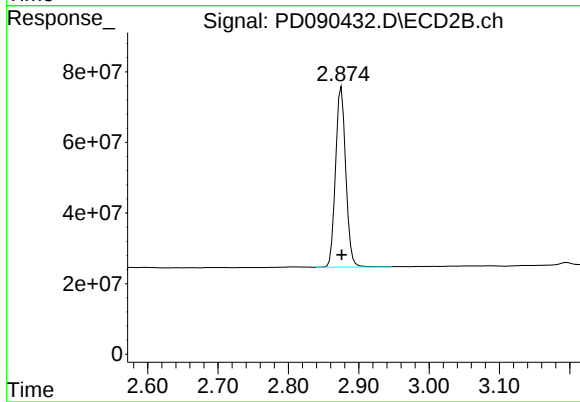
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 62184378
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

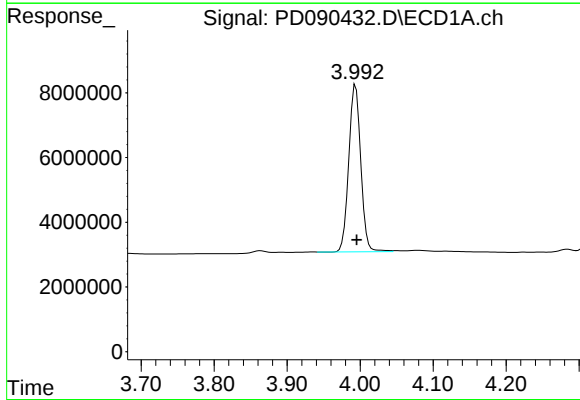
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



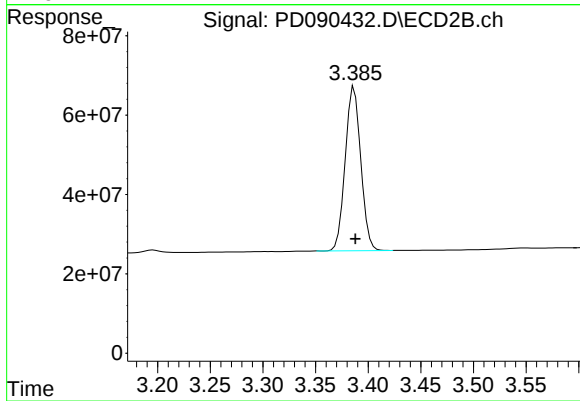
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 515409548
Conc: 18.78 ng/ml



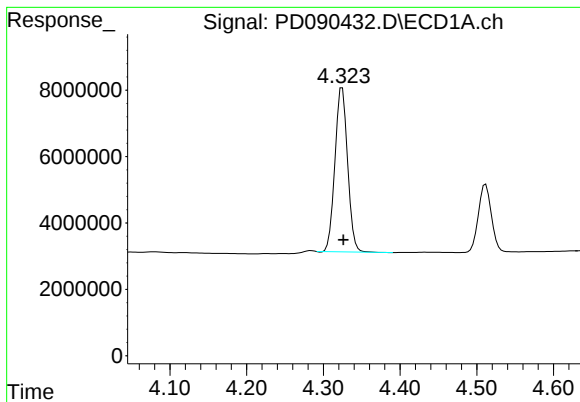
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 58897576
Conc: 8.43 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 427536450
Conc: 9.76 ng/ml



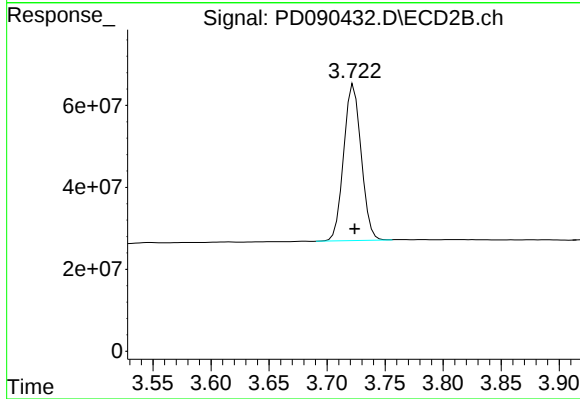
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 56519854
Conc: 8.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

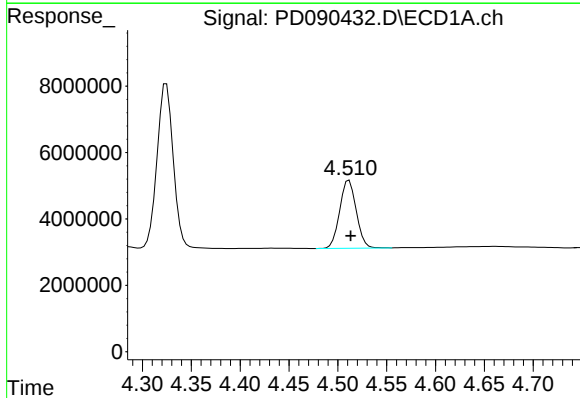
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



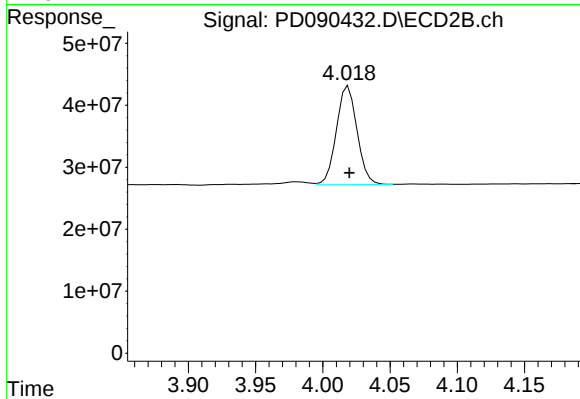
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 400193097
Conc: 9.82 ng/ml



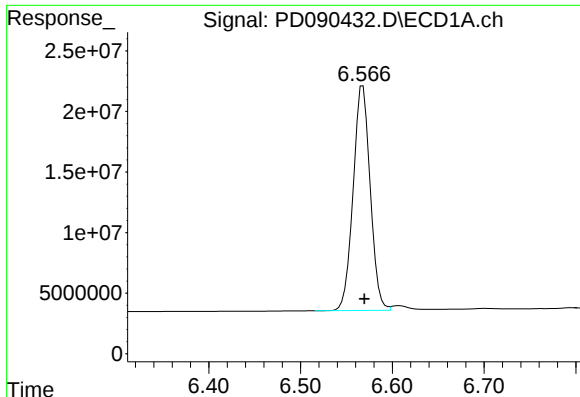
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 24143810
Conc: 9.36 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 170250020
Conc: 9.82 ng/ml



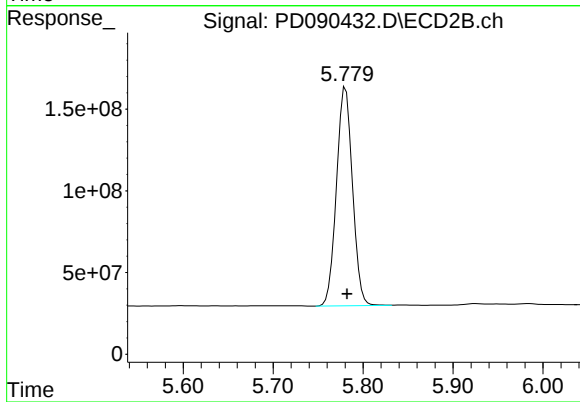
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 239787681
Conc: 49.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

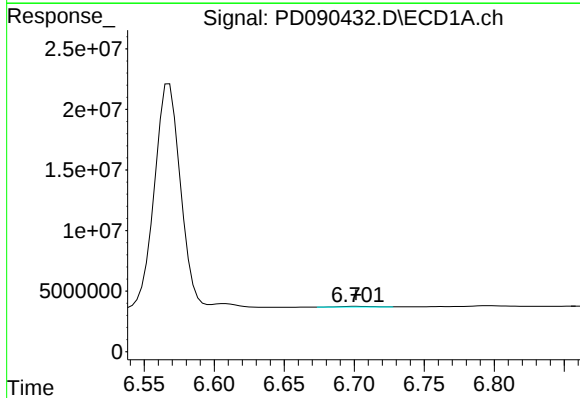
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



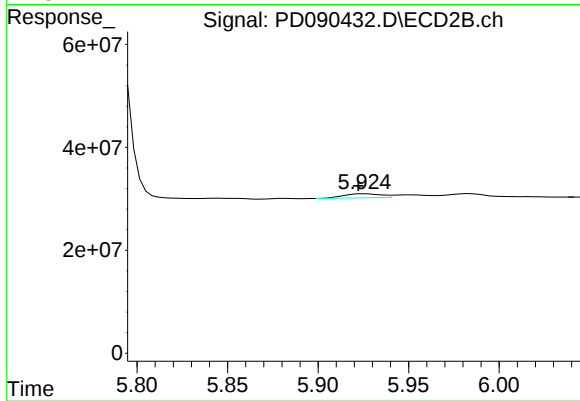
#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1655763559
Conc: 46.21 ng/ml



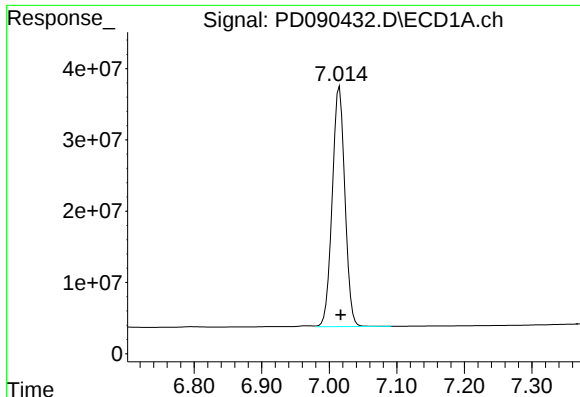
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 942514
Conc: 0.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.002 min
Response: 11466106
Conc: 0.35 ng/ml m



#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 440416694
Conc: 98.92 ng/ml

Instrument :

ECD_D

ClientSampleId :

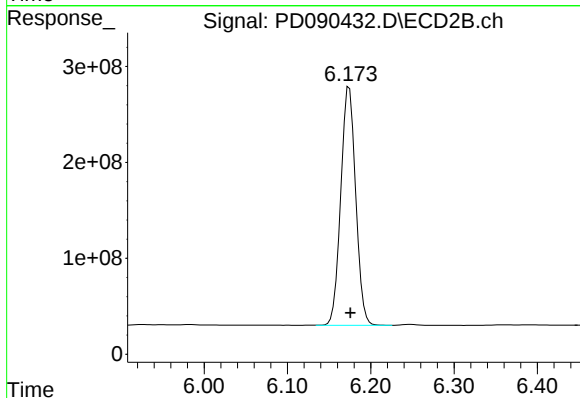
PEM

Manual Integrations

APPROVED

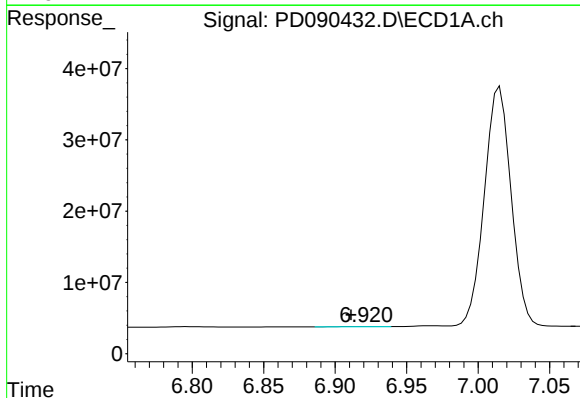
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



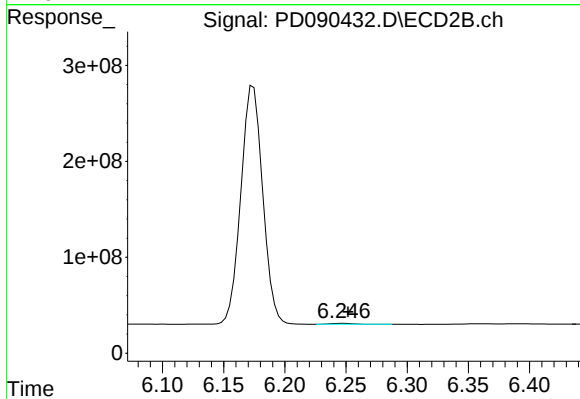
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 3093499847
Conc: 89.98 ng/ml



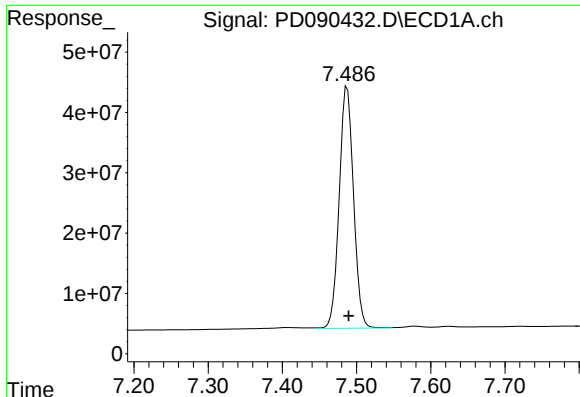
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.009 min
Response: 830380
Conc: 0.24 ng/ml m



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 13089471
Conc: 0.56 ng/ml



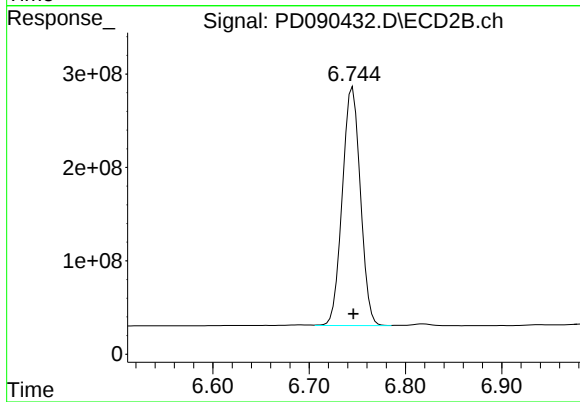
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 538897494
Conc: 228.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

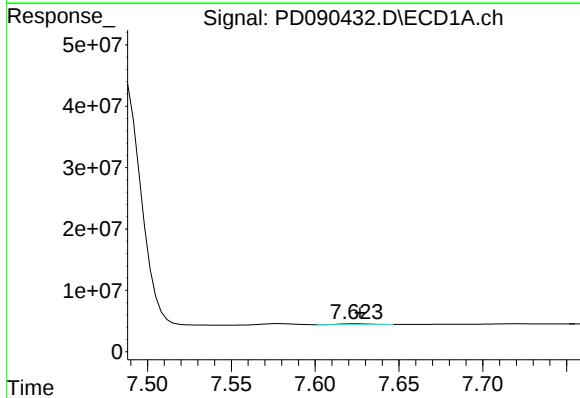
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



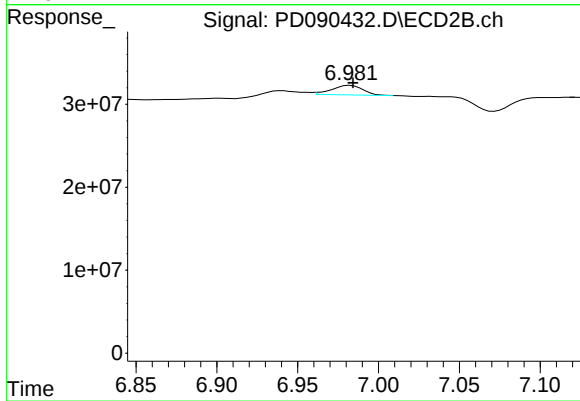
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3314881401
Conc: 190.51 ng/ml



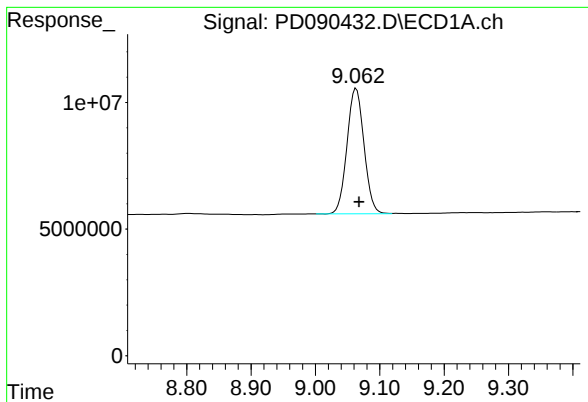
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 1650617
Conc: 0.33 ng/ml m



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 15183993
Conc: 0.42 ng/ml m



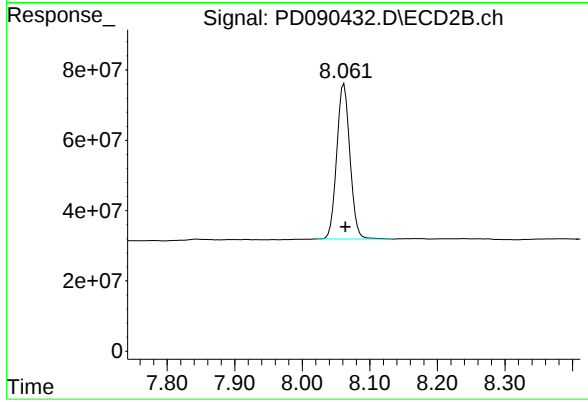
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 90898798
Conc: 18.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 601019045
Conc: 18.54 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3179

Project: RFP 916

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

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	09/18/2025	09:49	PD090327.D	9.07	3.55
PEM	PEM	09/18/2025	10:03	PD090328.D	9.07	3.55
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	9.07	3.55
PSTDICCC100	PSTDICCC100	09/18/2025	10:30	PD090330.D	9.07	3.55
PSTDICCC075	PSTDICCC075	09/18/2025	10:43	PD090331.D	9.07	3.55
PSTDICCC050	PSTDICCC050	09/18/2025	10:57	PD090332.D	9.07	3.55
PSTDICCC025	PSTDICCC025	09/18/2025	11:11	PD090333.D	9.07	3.55
PSTDICCC005	PSTDICCC005	09/18/2025	11:24	PD090334.D	9.07	3.55
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	9.07	3.55
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	9.07	3.55
IBLK	IBLK	09/29/2025	11:15	PD090416.D	9.07	3.55
PEM	PEM	09/29/2025	11:29	PD090417.D	9.06	3.55
PSTDCCC050	PSTDCCC050	09/29/2025	14:24	PD090418.D	9.08	3.55
PB169882BL	PB169882BL	09/29/2025	17:24	PD090422.D	9.08	3.55
PB169882BS	PB169882BS	09/29/2025	17:37	PD090423.D	9.07	3.55
PB169882TB	PB169882TB	09/29/2025	17:51	PD090424.D	9.06	3.55
EME-TS14-01	Q3179-01	09/29/2025	18:46	PD090428.D	9.06	3.55
EME-TS14-01MS	Q3179-02MS	09/29/2025	18:59	PD090429.D	9.06	3.55
EME-TS14-01MSD	Q3179-03MSD	09/29/2025	19:13	PD090430.D	9.06	3.55
IBLK	IBLK	09/29/2025	19:27	PD090431.D	9.06	3.55
PEM	PEM	09/29/2025	19:40	PD090432.D	9.06	3.55
PSTDCCC050	PSTDCCC050	09/29/2025	19:54	PD090433.D	9.06	3.55

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3179

Project: RFP 916

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

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	09/18/2025	09:49	PD090327.D	8.06	2.88
PEM	PEM	09/18/2025	10:03	PD090328.D	8.06	2.88
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	8.06	2.88
PSTDICCC100	PSTDICCC100	09/18/2025	10:30	PD090330.D	8.06	2.88
PSTDICCC075	PSTDICCC075	09/18/2025	10:43	PD090331.D	8.06	2.88
PSTDICCC050	PSTDICCC050	09/18/2025	10:57	PD090332.D	8.06	2.88
PSTDICCC025	PSTDICCC025	09/18/2025	11:11	PD090333.D	8.06	2.88
PSTDICCC005	PSTDICCC005	09/18/2025	11:24	PD090334.D	8.06	2.88
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	8.06	2.88
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	8.06	2.88
IBLK	IBLK	09/29/2025	11:15	PD090416.D	8.06	2.87
PEM	PEM	09/29/2025	11:29	PD090417.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/29/2025	14:24	PD090418.D	8.06	2.87
PB169882BL	PB169882BL	09/29/2025	17:24	PD090422.D	8.06	2.87
PB169882BS	PB169882BS	09/29/2025	17:37	PD090423.D	8.06	2.88
PB169882TB	PB169882TB	09/29/2025	17:51	PD090424.D	8.06	2.88
EME-TS14-01	Q3179-01	09/29/2025	18:46	PD090428.D	8.06	2.88
EME-TS14-01MS	Q3179-02MS	09/29/2025	18:59	PD090429.D	8.06	2.88
EME-TS14-01MSD	Q3179-03MSD	09/29/2025	19:13	PD090430.D	8.06	2.88
IBLK	IBLK	09/29/2025	19:27	PD090431.D	8.06	2.88
PEM	PEM	09/29/2025	19:40	PD090432.D	8.06	2.88
PSTDCCC050	PSTDCCC050	09/29/2025	19:54	PD090433.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: Q3179-02MS

Date(s) Analyzed: 09/29/2025 09/29/2025

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		
Endosulfan II	1	6.78	6.73	6.83	0.043	7.4
	2	6.07	6.02	6.12	0.040	
4,4'-DDD	1	6.70	6.65	6.75	0.042	6.9
	2	5.92	5.87	5.97	0.039	
4,4'-DDT	1	7.02	6.97	7.07	0.044	7.9
	2	6.18	6.13	6.23	0.040	
Endrin aldehyde	1	6.91	6.86	6.96	0.044	5.4
	2	6.25	6.20	6.30	0.042	
Endosulfan sulfate	1	7.14	7.09	7.19	0.043	6.8
	2	6.47	6.42	6.52	0.040	
Methoxychlor	1	7.49	7.44	7.54	0.045	12.7
	2	6.74	6.69	6.79	0.040	
Endrin ketone	1	7.62	7.57	7.67	0.044	12.5
	2	6.98	6.93	7.03	0.038	
alpha-BHC	1	4.00	3.95	4.05	0.042	4.9
	2	3.39	3.34	3.44	0.040	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.045	14
	2	3.72	3.67	3.77	0.039	
Heptachlor	1	4.92	4.87	4.97	0.038	1.1
	2	4.08	4.03	4.13	0.037	
Aldrin	1	5.27	5.22	5.32	0.036	1.7
	2	4.36	4.31	4.41	0.036	
beta-BHC	1	4.51	4.46	4.56	0.040	5.2
	2	4.02	3.97	4.07	0.042	
delta-BHC	1	4.76	4.71	4.81	0.046	16
	2	4.26	4.21	4.31	0.039	
Heptachlor epoxide	1	5.68	5.63	5.73	0.041	2.4
	2	4.87	4.82	4.92	0.042	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: Q3179-02MS

Date(s) Analyzed: 09/29/2025 09/29/2025

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		
Endosulfan I	1	6.07	6.02	6.12	0.042	5.1
	2	5.24	5.19	5.29	0.040	
gamma-Chlordane	1	5.94	5.89	5.99	0.039	0.8
	2	5.12	5.07	5.17	0.039	
alpha-Chlordane	1	6.02	5.97	6.07	0.040	2.5
	2	5.18	5.13	5.23	0.039	
4,4'-DDE	1	6.19	6.14	6.24	0.041	6.5
	2	5.37	5.32	5.42	0.038	
Dieldrin	1	6.34	6.29	6.39	0.043	6.5
	2	5.51	5.46	5.56	0.040	
Endrin	1	6.57	6.52	6.62	0.044	8.4
	2	5.78	5.73	5.83	0.040	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: Q3179-03MSD

Date(s) Analyzed: 09/29/2025 09/29/2025

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	0.042	7.4
	2	5.92	5.87	5.97	0.039	
4,4'-DDT	1	7.02	6.97	7.07	0.043	8.2
	2	6.17	6.12	6.22	0.040	
alpha-BHC	1	4.00	3.95	4.05	0.042	5.4
	2	3.39	3.34	3.44	0.040	
Aldrin	1	5.27	5.22	5.32	0.035	2
	2	4.36	4.31	4.41	0.034	
beta-BHC	1	4.51	4.46	4.56	0.040	3
	2	4.02	3.97	4.07	0.041	
delta-BHC	1	4.76	4.71	4.81	0.042	7.1
	2	4.26	4.21	4.31	0.039	
Endosulfan I	1	6.07	6.02	6.12	0.042	5.4
	2	5.24	5.19	5.29	0.040	
alpha-Chlordane	1	6.02	5.97	6.07	0.041	6.6
	2	5.18	5.13	5.23	0.038	
4,4'-DDE	1	6.19	6.14	6.24	0.040	5.9
	2	5.37	5.32	5.42	0.038	
Dieldrin	1	6.34	6.29	6.39	0.042	6.8
	2	5.50	5.45	5.55	0.040	
Endosulfan II	1	6.78	6.73	6.83	0.043	7
	2	6.07	6.02	6.12	0.040	
Endrin aldehyde	1	6.91	6.86	6.96	0.044	5.4
	2	6.25	6.20	6.30	0.042	
Endosulfan sulfate	1	7.14	7.09	7.19	0.043	6.6
	2	6.47	6.42	6.52	0.040	
Methoxychlor	1	7.49	7.44	7.54	0.044	9.8
	2	6.74	6.69	6.79	0.040	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: Q3179-03MSD

Date(s) Analyzed: 09/29/2025 09/29/2025

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	7.62	7.57	7.67	0.044	12.4
	2	6.98	6.93	7.03	0.039	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.041	3
	2	3.72	3.67	3.77	0.040	
Heptachlor	1	4.92	4.87	4.97	0.037	4.2
	2	4.08	4.03	4.13	0.035	
Heptachlor epoxide	1	5.68	5.63	5.73	0.040	11.1
	2	4.86	4.81	4.91	0.045	
gamma-Chlordane	1	5.94	5.89	5.99	0.038	0.8
	2	5.12	5.07	5.17	0.038	
Endrin	1	6.57	6.52	6.62	0.043	8.4
	2	5.78	5.73	5.83	0.040	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169882BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: PB169882BS

Date(s) Analyzed: 09/29/2025 09/29/2025

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		
Endosulfan II	1	6.78	6.73	6.83	0.050	8.7
	2	6.07	6.02	6.12	0.046	
4,4'-DDD	1	6.70	6.65	6.75	0.051	10.1
	2	5.92	5.87	5.97	0.046	
4,4'-DDT	1	7.02	6.97	7.07	0.049	4.8
	2	6.17	6.12	6.22	0.046	
Endrin aldehyde	1	6.91	6.86	6.96	0.051	6
	2	6.25	6.20	6.30	0.048	
Endosulfan sulfate	1	7.15	7.10	7.20	0.048	5.1
	2	6.47	6.42	6.52	0.046	
Methoxychlor	1	7.49	7.44	7.54	0.053	13.8
	2	6.75	6.70	6.80	0.046	
Endrin ketone	1	7.63	7.58	7.68	0.048	6.2
	2	6.98	6.93	7.03	0.051	
alpha-BHC	1	4.00	3.95	4.05	0.049	4.6
	2	3.39	3.34	3.44	0.047	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.048	3
	2	3.72	3.67	3.77	0.047	
Heptachlor	1	4.92	4.87	4.97	0.050	5.8
	2	4.08	4.03	4.13	0.047	
Aldrin	1	5.27	5.22	5.32	0.049	4.4
	2	4.36	4.31	4.41	0.047	
beta-BHC	1	4.51	4.46	4.56	0.046	0.2
	2	4.02	3.97	4.07	0.046	
delta-BHC	1	4.76	4.71	4.81	0.049	5.9
	2	4.26	4.21	4.31	0.046	
Heptachlor epoxide	1	5.69	5.64	5.74	0.048	16.7
	2	4.86	4.81	4.91	0.057	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169882BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3179

Lab Sample ID: PB169882BS

Date(s) Analyzed: 09/29/2025 09/29/2025

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		
Endosulfan I	1	6.07	6.02	6.12	0.048	7.6
	2	5.24	5.19	5.29	0.044	
gamma-Chlordane	1	5.94	5.89	5.99	0.046	0.4
	2	5.12	5.07	5.17	0.046	
alpha-Chlordane	1	6.02	5.97	6.07	0.045	2.6
	2	5.18	5.13	5.23	0.046	
4,4'-DDE	1	6.19	6.14	6.24	0.049	4.2
	2	5.37	5.32	5.42	0.047	
Dieldrin	1	6.34	6.29	6.39	0.049	7.4
	2	5.50	5.45	5.55	0.046	
Endrin	1	6.57	6.52	6.62	0.051	2
	2	5.78	5.73	5.83	0.050	



QC SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 916		Date Received:		
Client Sample ID:	PB169882BL		SDG No.:	Q3179	
Lab Sample ID:	PB169882BL		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090422.D	1	09/29/25 09:45	09/29/25 17:24	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.00040	U	0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.00050	U	0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.0011	U	0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.00030	U	0.00030	0.0050	ug/L
309-00-2	Aldrin	0.00040	U	0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.0010	U	0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.00030	U	0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.00040	U	0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.00040	U	0.00040	0.0050	ug/L
72-20-8	Endrin	0.00030	U	0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.00080	U	0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.00070	U	0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.00090	U	0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.0011	U	0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.00040	U	0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.00040	U	0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.5		57 - 171	137%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.9		61 - 148	134%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169882BL	SDG No.:	Q3179
Lab Sample ID:	PB169882BL	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090422.D	1	09/29/25 09:45	09/29/25 17:24	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 17:24
Operator : AR\AJ
Sample : PB169882BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169882BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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...	3.553	2.874	85267087	738.3E6	26.232	26.895
28) SA Decachlor...	9.076	8.064	132.5E6	842.8E6	27.465	26.000

Target Compounds

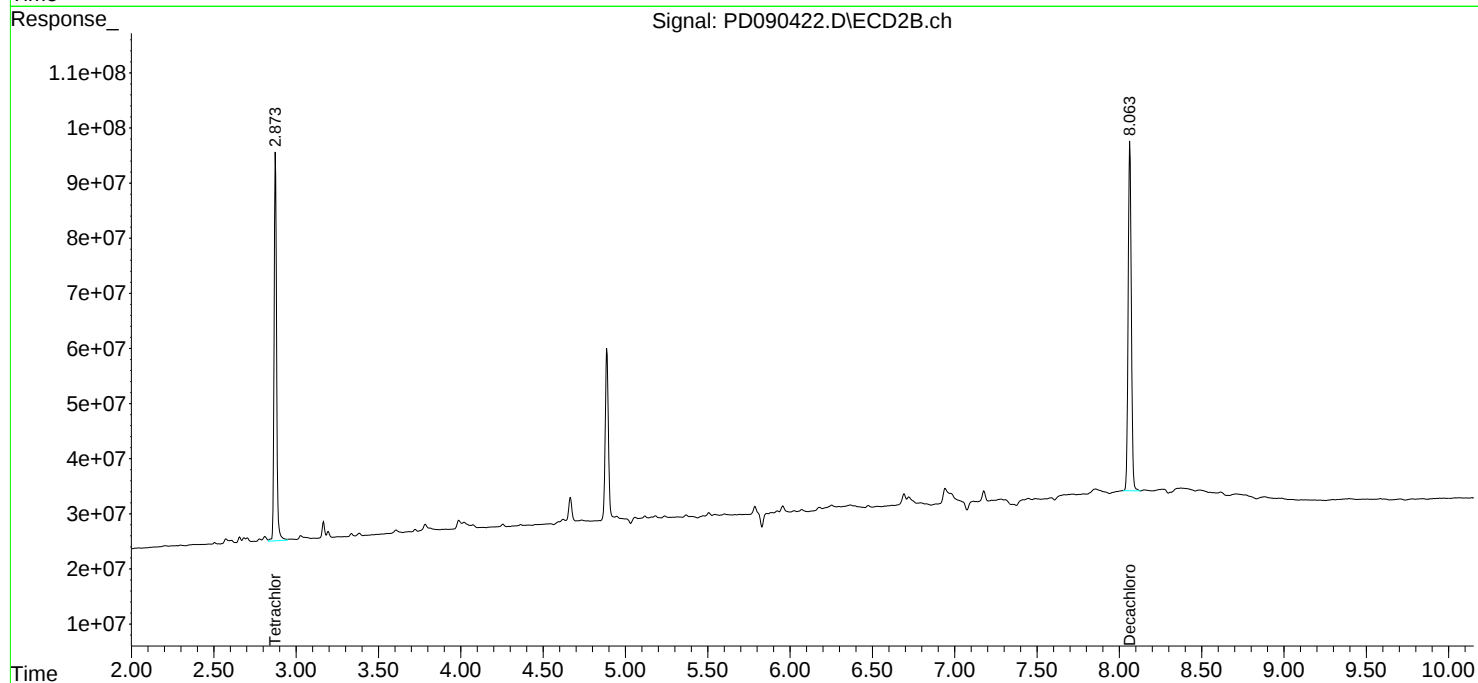
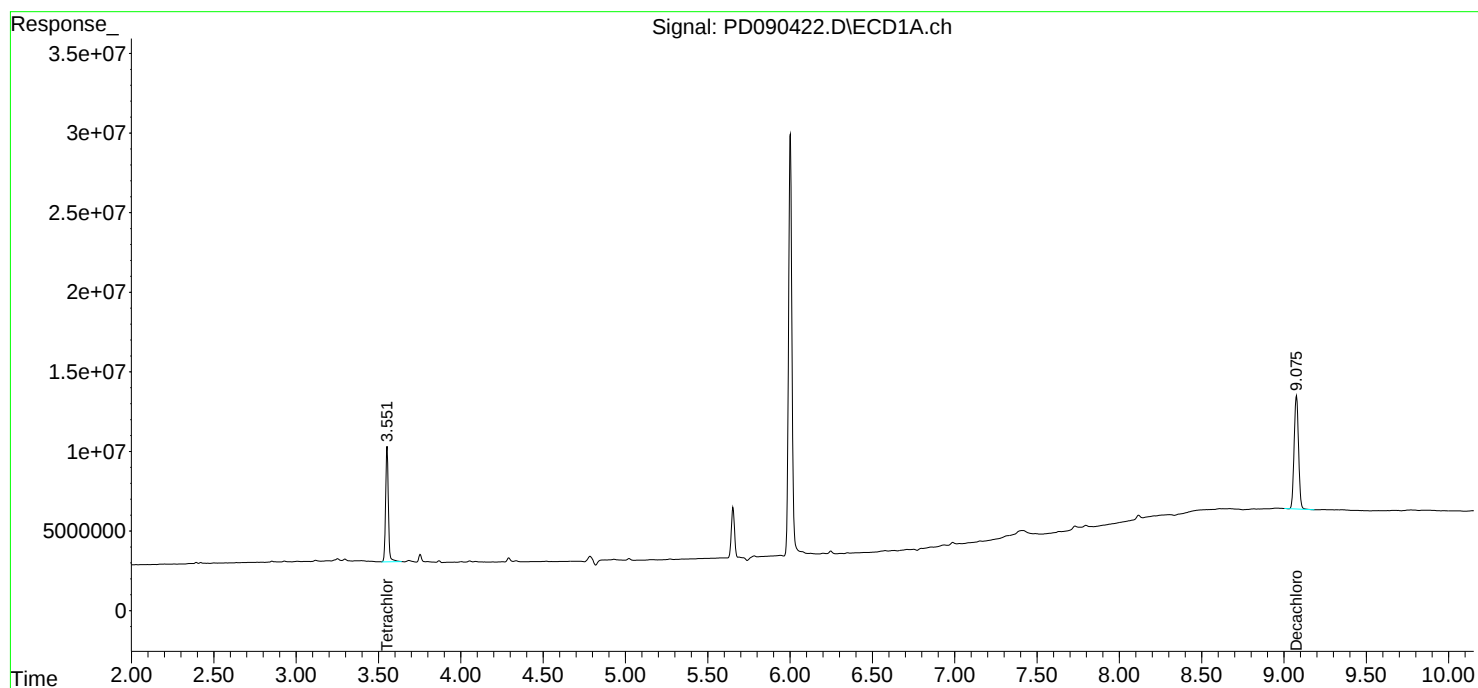
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

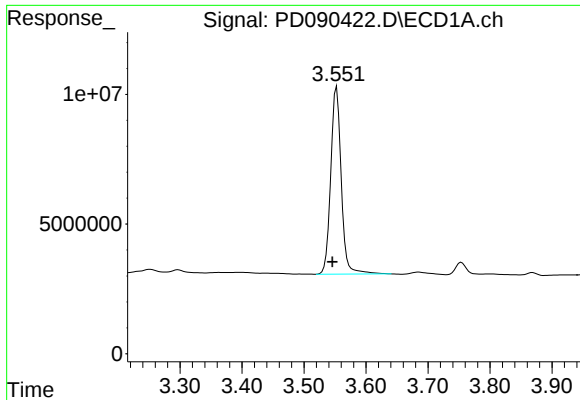
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 17:24
Operator : AR\AJ
Sample : PB169882BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169882BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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

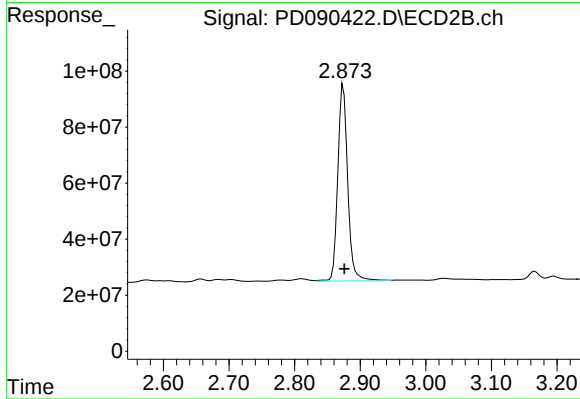




#1 Tetrachloro-m-xylene

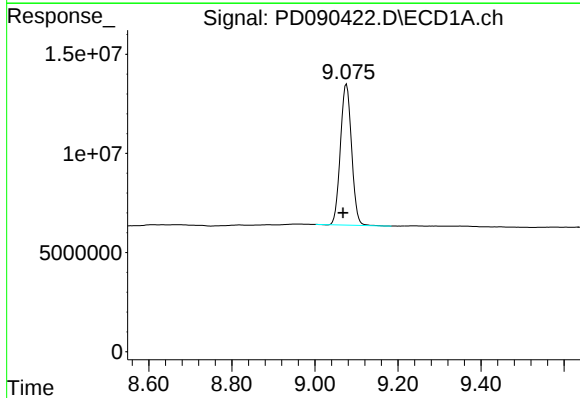
R.T.: 3.553 min
Delta R.T.: 0.007 min
Response: 85267087
Conc: 26.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BL



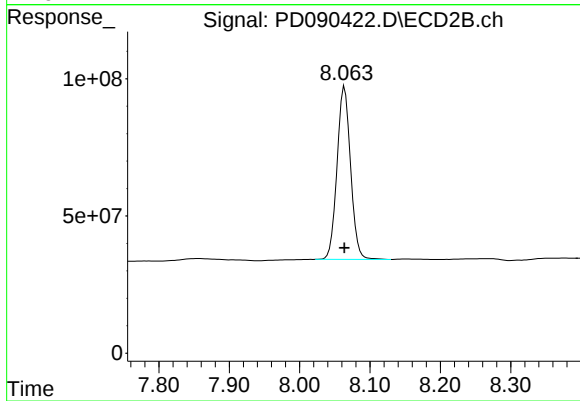
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 738257902
Conc: 26.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.008 min
Response: 132518892
Conc: 27.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 842776119
Conc: 26.00 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/18/25
Project:	RFP 916	Date Received:	09/18/25
Client Sample ID:	PIBLK-PD090327.D	SDG No.:	Q3179
Lab Sample ID:	I.BLK-PD090327.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090327.D	1		09/18/25	pd091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		57 - 171	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		61 - 148	85%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/18/25
Project:	RFP 916	Date Received:	09/18/25
Client Sample ID:	PIBLK-PD090327.D	SDG No.:	Q3179
Lab Sample ID:	I.BLK-PD090327.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090327.D	1		09/18/25	pd091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
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: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.876	53680424	464.5E6	16.515	16.922
28)	SA Decachlor...	9.067	8.063	84762935	556.2E6	17.567	17.160

Target Compounds

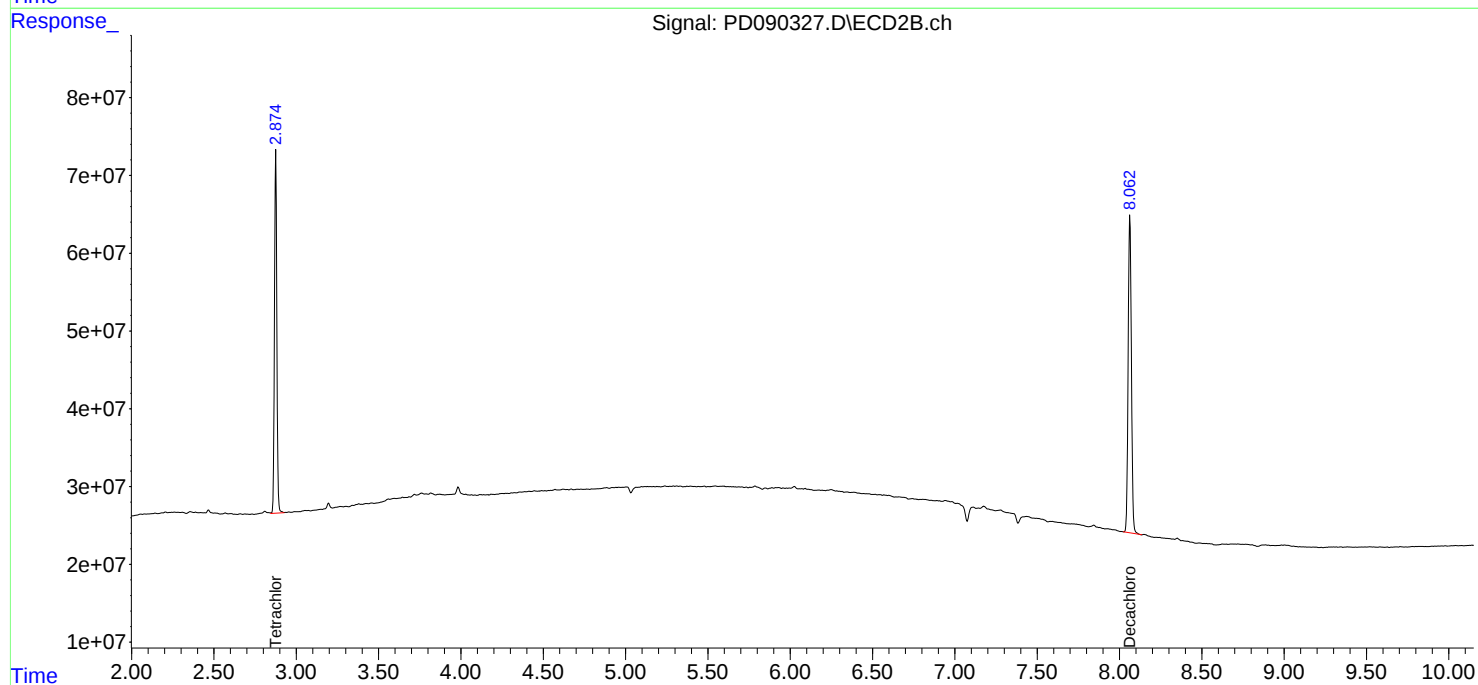
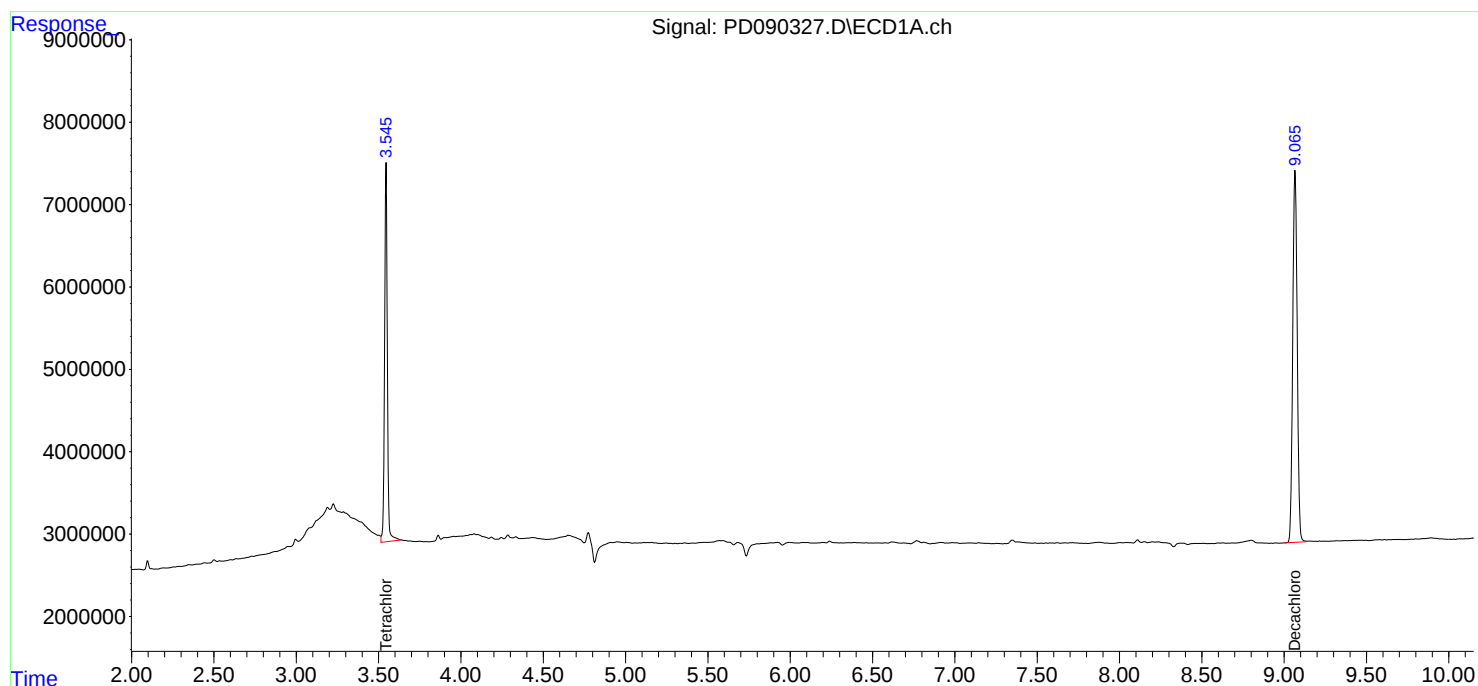
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

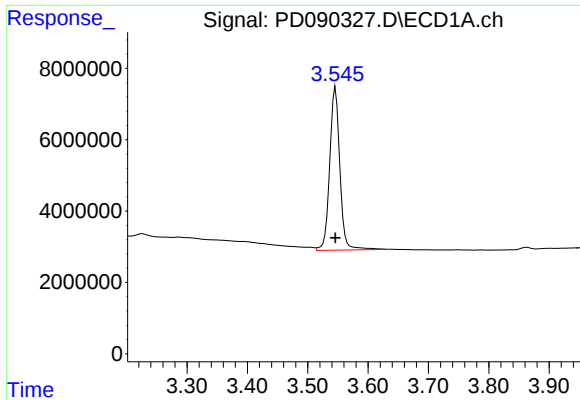
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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

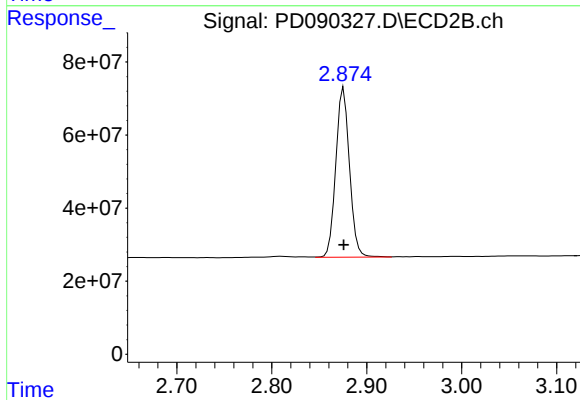




#1 Tetrachloro-m-xylene

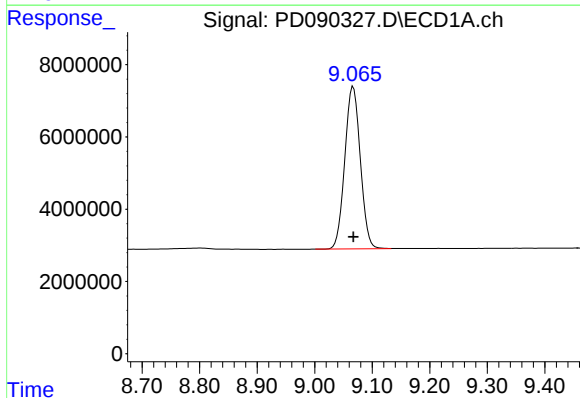
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 53680424
Conc: 16.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



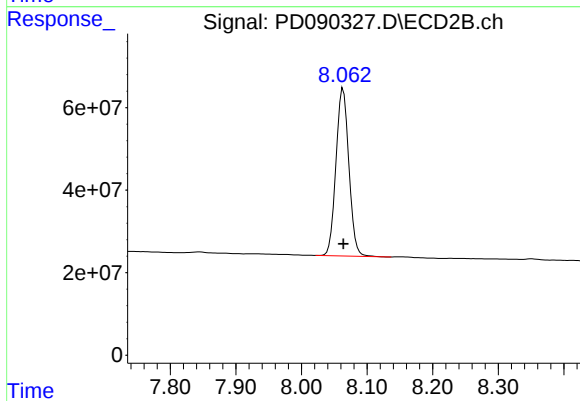
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 464498064
Conc: 16.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 84762935
Conc: 17.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 556238349
Conc: 17.16 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/29/25
Project:	RFP 916	Date Received:	09/29/25
Client Sample ID:	PIBLK-PD090416.D	SDG No.:	Q3179
Lab Sample ID:	I.BLK-PD090416.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090416.D	1		09/29/25	pd092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		61 - 148	102%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/29/25
Project:	RFP 916	Date Received:	09/29/25
Client Sample ID:	PIBLK-PD090416.D	SDG No.:	Q3179
Lab Sample ID:	I.BLK-PD090416.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090416.D	1		09/29/25	pd092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 11:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:30:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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...	3.548	2.874	62753561	559.5E6	19.306m	20.384
28) SA Decachlor...	9.068	8.063	87674658	561.9E6	18.171m	17.336

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 11:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

I.BLK

Manual Integrations

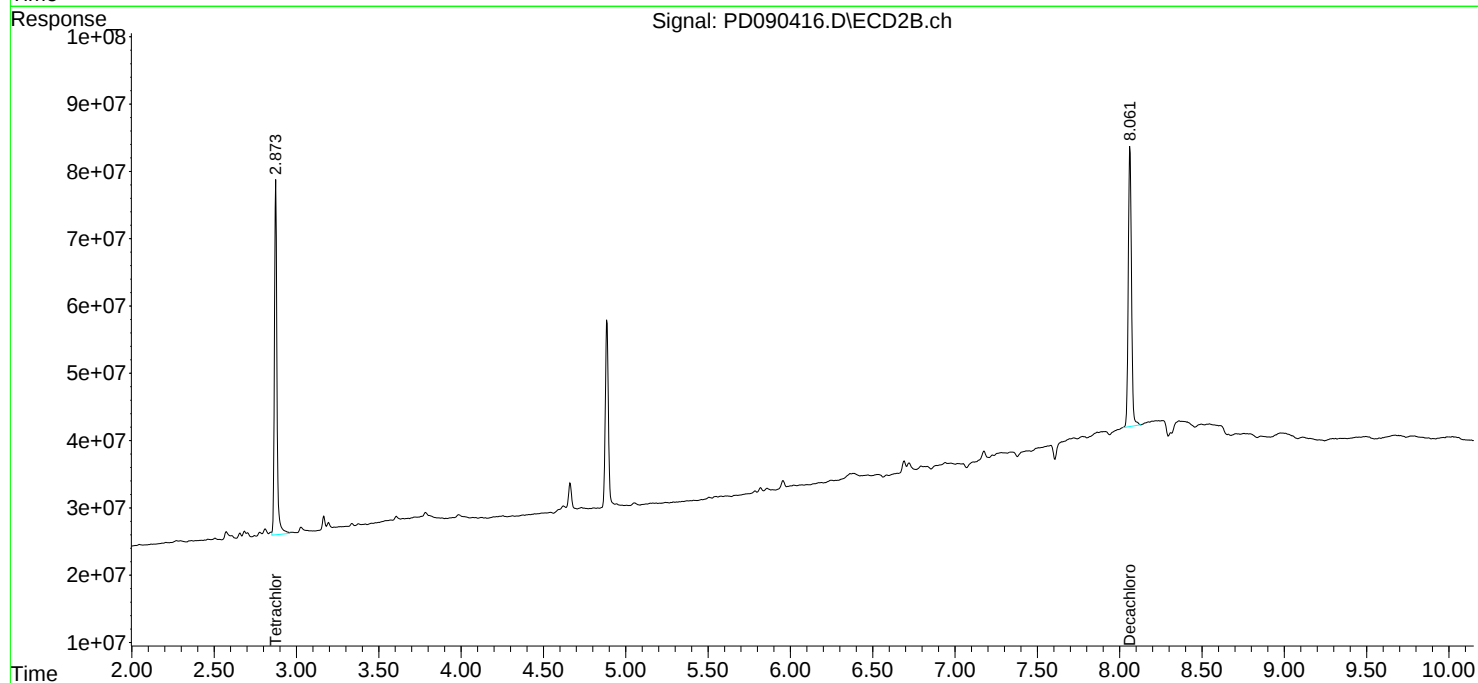
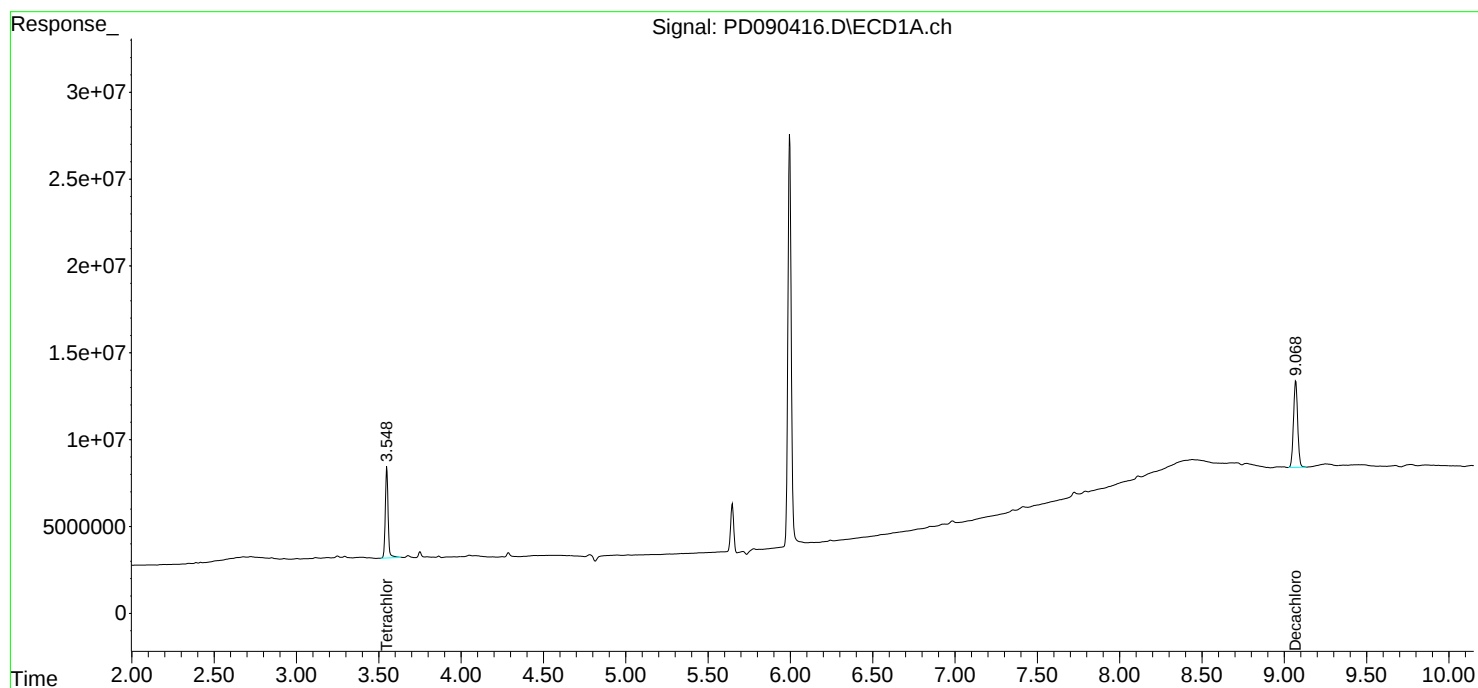
APPROVED

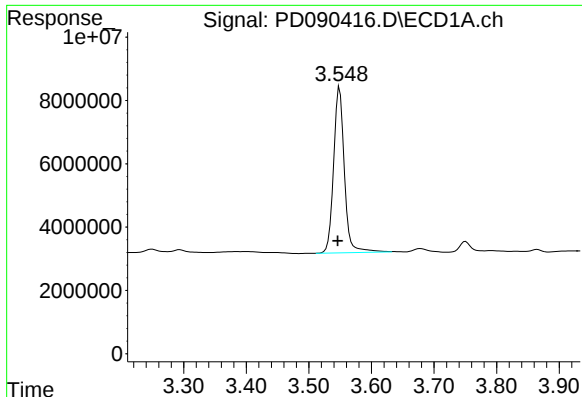
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:30:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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.: 3.548 min
Delta R.T.: 0.002 min
Response: 62753561
Conc: 19.31 ng/ml

Instrument :

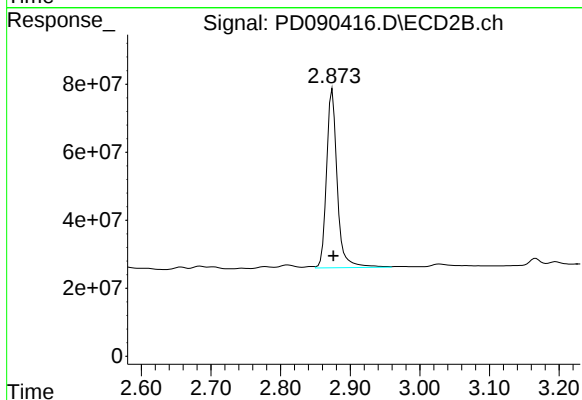
ECD_D

ClientSampleId :

I.BLK

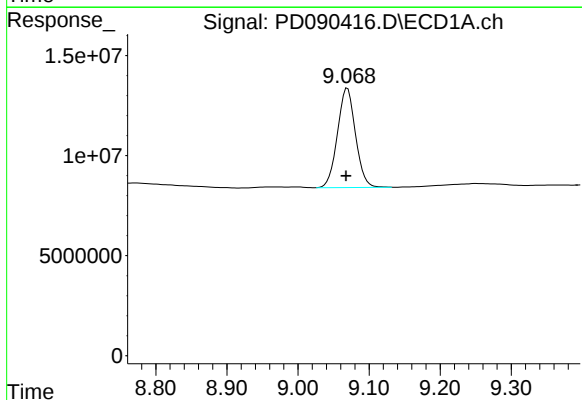
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



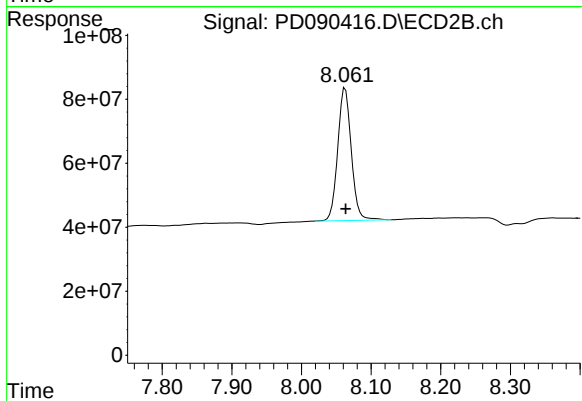
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 559535449
Conc: 20.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 87674658
Conc: 18.17 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 561943404
Conc: 17.34 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/29/25
Project:	RFP 916	Date Received:	09/29/25
Client Sample ID:	PIBLK-PD090431.D	SDG No.:	Q3179
Lab Sample ID:	I.BLK-PD090431.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090431.D	1		09/29/25	pd092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		57 - 171	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		61 - 148	100%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/29/25	
Project:	RFP 916		Date Received:	09/29/25	
Client Sample ID:	PIBLK-PD090431.D		SDG No.:	Q3179	
Lab Sample ID:	I.BLK-PD090431.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090431.D	1		09/29/25	pd092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 19:27
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: Sep 30 02:33:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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	65216450	541.1E6	20.064	19.713
28) SA Decachlor...	9.063	8.062	95312344	619.8E6	19.754	19.120

Target Compounds

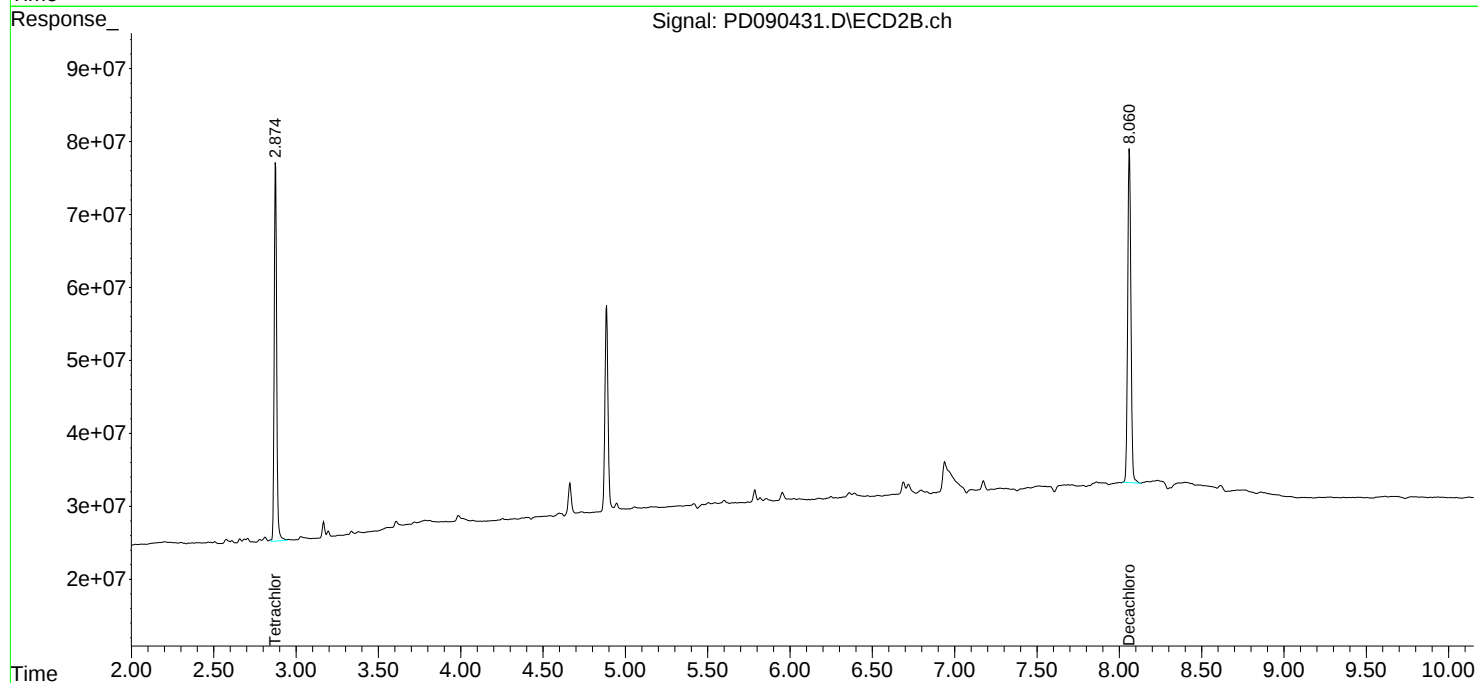
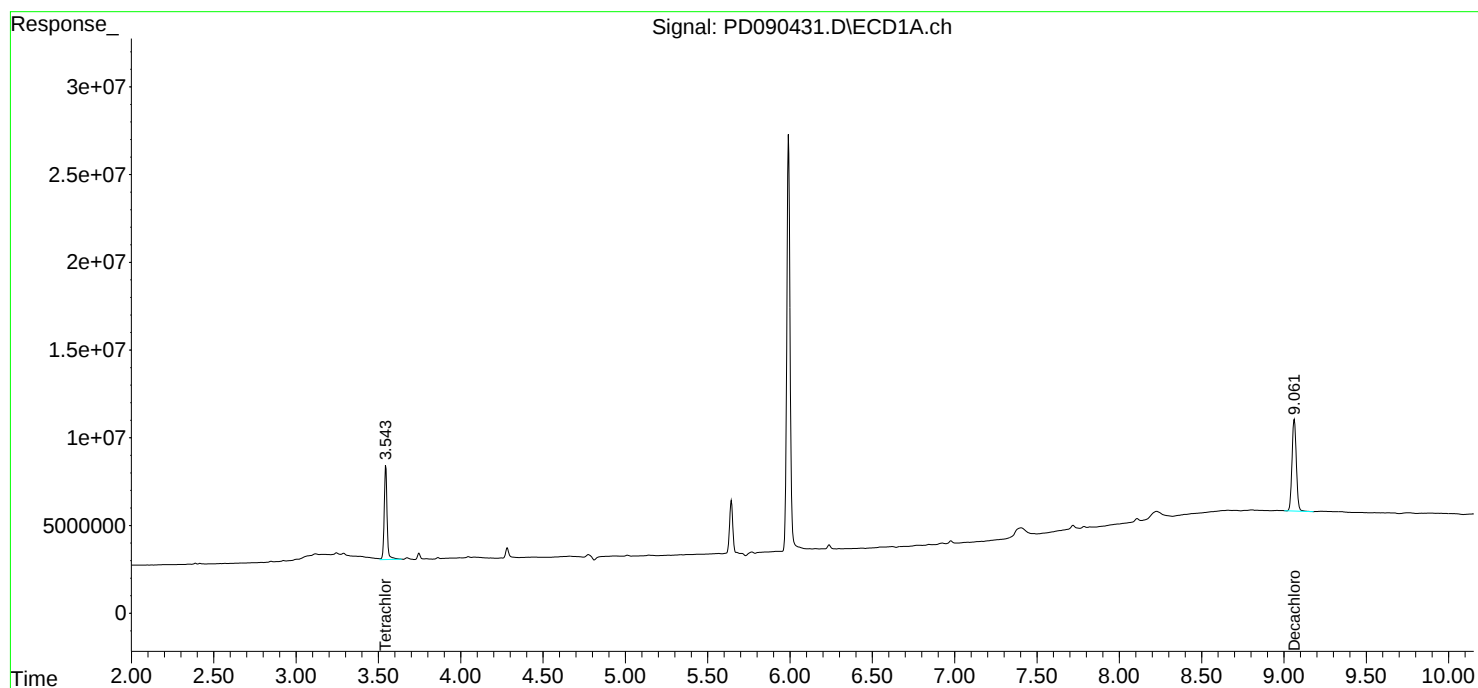
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

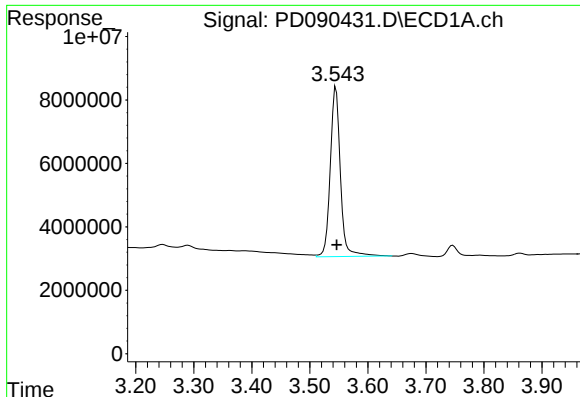
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 19:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:33:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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

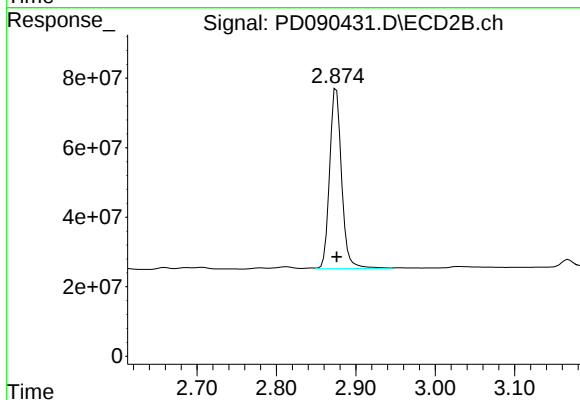




#1 Tetrachloro-m-xylene

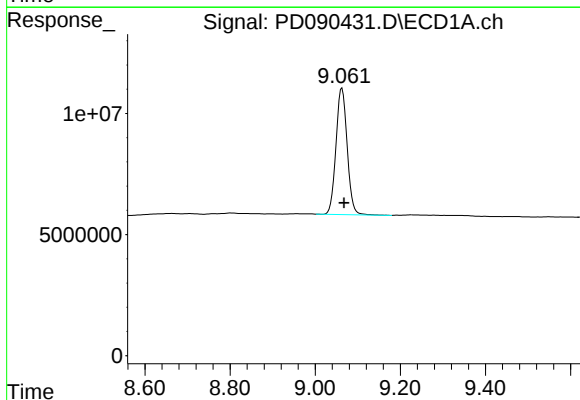
R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 65216450
Conc: 20.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



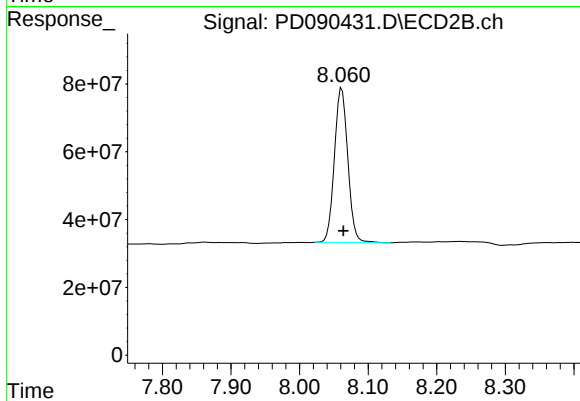
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 541114963
Conc: 19.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 95312344
Conc: 19.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 619783061
Conc: 19.12 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169882BS	SDG No.:	Q3179
Lab Sample ID:	PB169882BS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090423.D	1	09/29/25 09:45	09/29/25 17:37	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.049		0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.046		0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.049		0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.048		0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.050		0.00030	0.0050	ug/L
309-00-2	Aldrin	0.049		0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.057		0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.048		0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.049		0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.049		0.00040	0.0050	ug/L
72-20-8	Endrin	0.051		0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.050		0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.051		0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.048		0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.049		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.053		0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.051		0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.051		0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.046		0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.046		0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		57 - 171	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		61 - 148	120%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169882BS	SDG No.:	Q3179
Lab Sample ID:	PB169882BS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090423.D	1	09/29/25 09:45	09/29/25 17:37	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090423.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 17:37
 Operator : AR\AJ
 Sample : PB169882BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169882BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:31:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	77815800	652.4E6	23.940	23.768
28)	SA Decachlor...	9.065	8.062	112.1E6	725.5E6	23.234	22.381
Target Compounds							
2)	A alpha-BHC	3.995	3.387	340.9E6	2041.8E6	48.803	46.635
3)	MA gamma-BHC...	4.325	3.722	316.7E6	1892.9E6	47.868	46.468
4)	MA Heptachlor	4.924	4.075	328.3E6	1908.6E6	49.646	46.875
5)	MB Aldrin	5.266	4.361	308.6E6	1858.2E6	48.600	46.530
6)	B beta-BHC	4.512	4.019	118.2E6	796.4E6	45.825	45.941
7)	B delta-BHC	4.759	4.255	317.4E6	1915.3E6	49.159m	46.382
8)	B Heptachlo...	5.685	4.864	274.0E6	2088.0E6	47.943	56.639
9)	A Endosulfan I	6.068	5.238	257.0E6	1525.4E6	47.571m	44.079
10)	B gamma-Chl...	5.941	5.117	262.6E6	1797.6E6	45.974	45.756
11)	B alpha-Chl...	6.020	5.181	257.7E6	1728.0E6	44.726m	45.878
12)	B 4,4'-DDE	6.191	5.366	253.0E6	1781.7E6	48.590	46.545
13)	MA Dieldrin	6.342	5.504	282.8E6	1776.3E6	49.058	45.610
14)	MA Endrin	6.569	5.781	247.0E6	1775.3E6	50.481	49.546
15)	B Endosulfa...	6.781	6.072	245.5E6	1556.9E6	50.327	46.130
16)	A 4,4'-DDD	6.700	5.921	208.7E6	1489.9E6	50.924	45.945
17)	MA 4,4'-DDT	7.016	6.174	216.8E6	1593.4E6	48.681	46.349
18)	B Endrin al...	6.910	6.250	176.0E6	1136.4E6	51.313	48.262
19)	B Endosulfa...	7.145	6.474	221.2E6	1494.6E6	48.074	45.719
20)	A Methoxychlor	7.487	6.745	125.6E6	807.1E6	53.279m	46.383
21)	B Endrin ke...	7.625	6.982	238.7E6	1852.6E6	48.244	51.314m
22)	Mirex	8.106	7.176	154.8E6	1095.6E6	41.777m	39.687

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 17:37
Operator : AR\AJ
Sample : PB169882BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169882BS

Manual Integrations

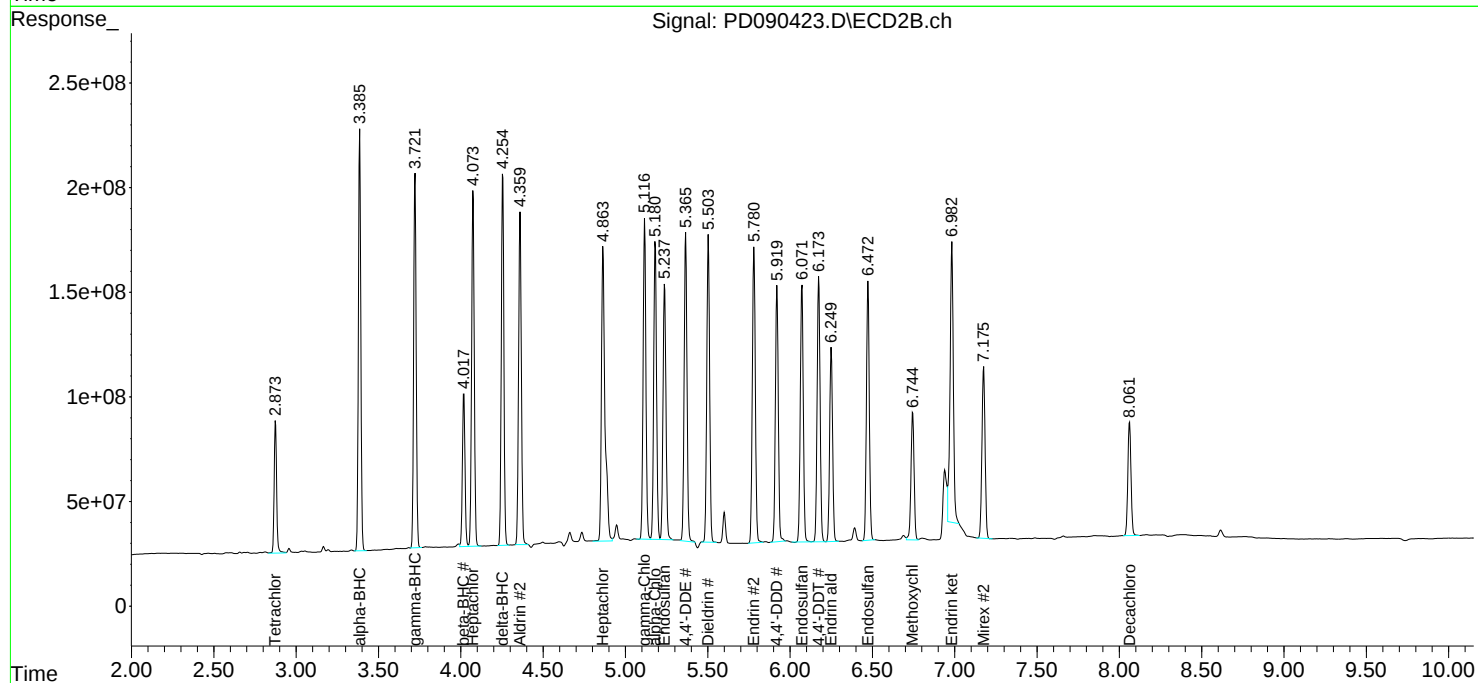
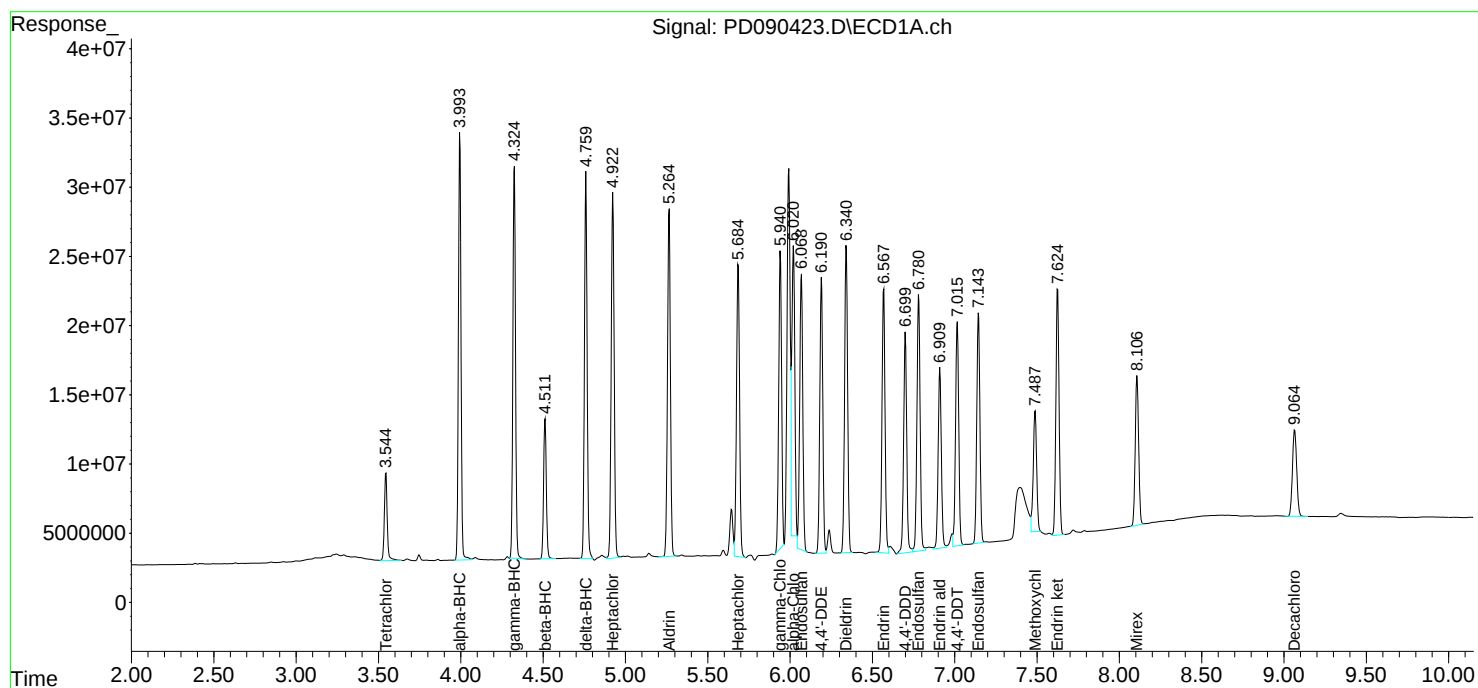
APPROVED

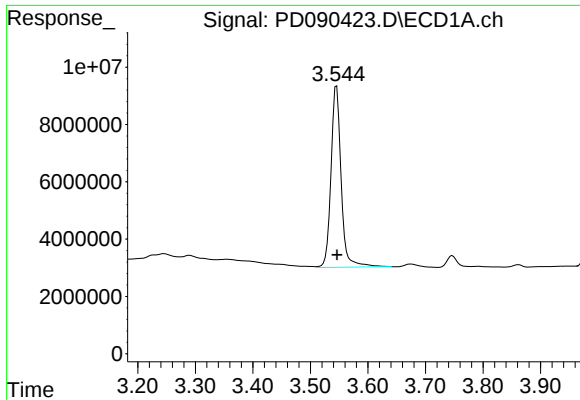
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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: 77815800
Conc: 23.94 ng/ml

Instrument :

ECD_D

ClientSampleId :

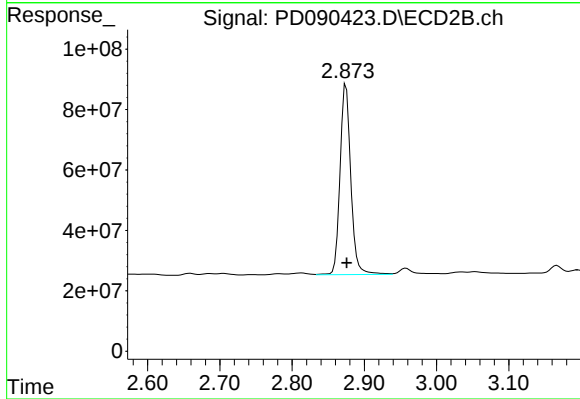
PB169882BS

Manual Integrations

APPROVED

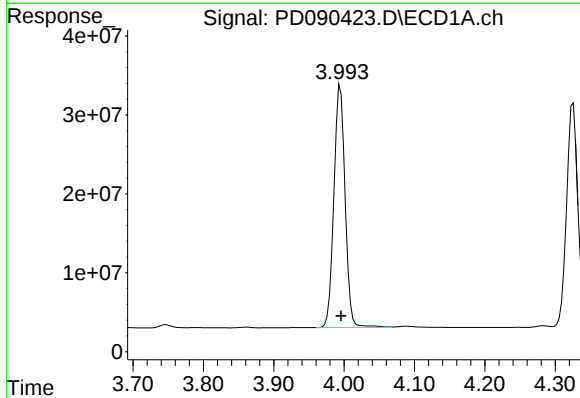
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



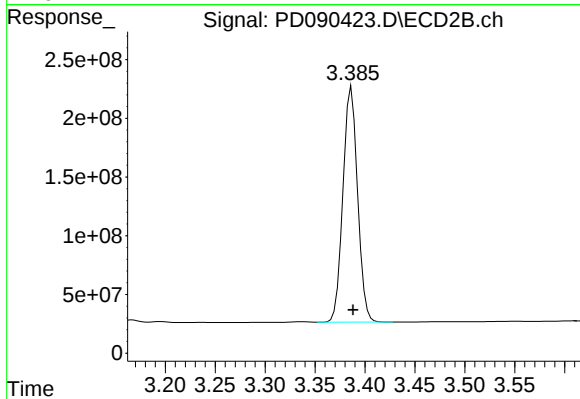
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 652436637
Conc: 23.77 ng/ml



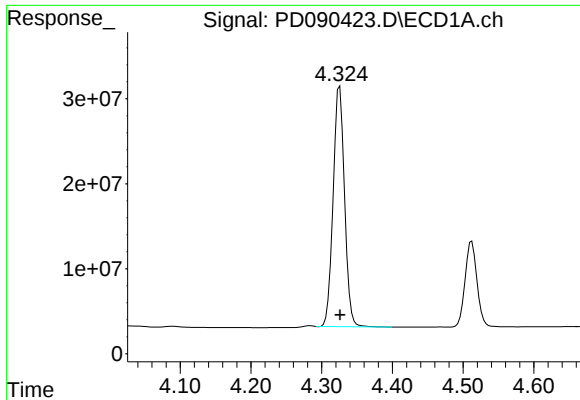
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 340866831
Conc: 48.80 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2041807551
Conc: 46.63 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 316739883
Conc: 47.87 ng/ml

Instrument :

ECD_D

ClientSampleId :

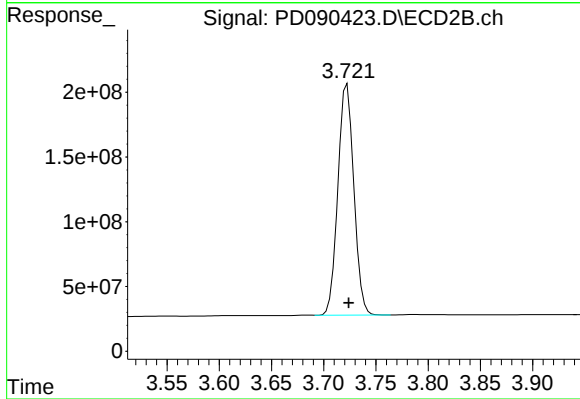
PB169882BS

Manual Integrations

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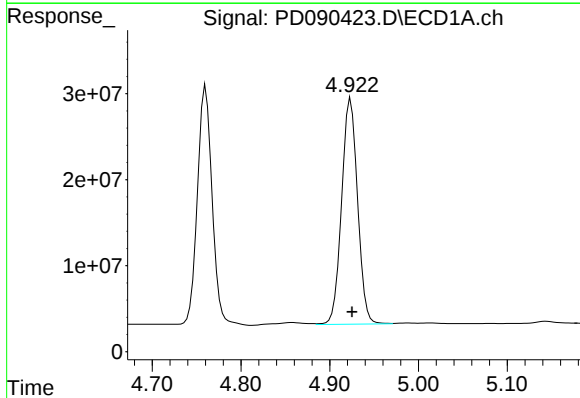
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



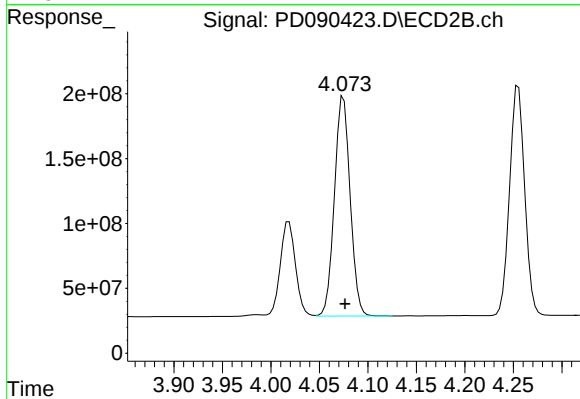
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 1892902501
Conc: 46.47 ng/ml



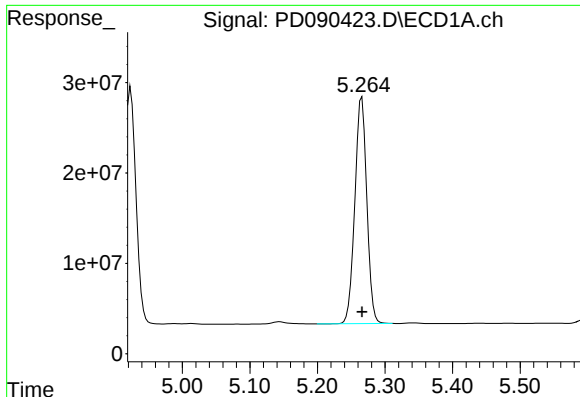
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 328286587
Conc: 49.65 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1908601777
Conc: 46.88 ng/ml



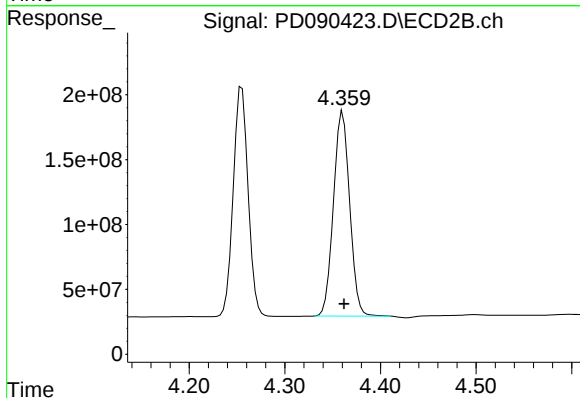
#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 308606269
Conc: 48.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

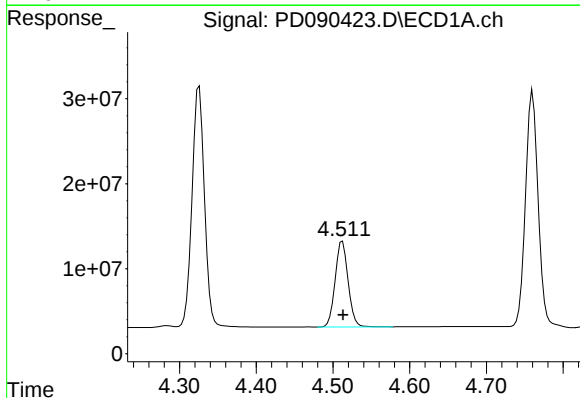
Manual Integrations
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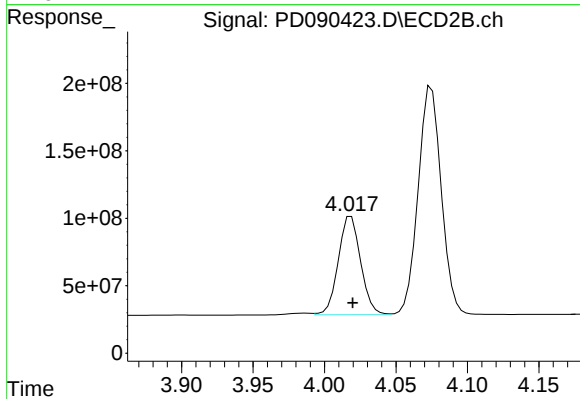
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.002 min
Response: 1858173953
Conc: 46.53 ng/ml



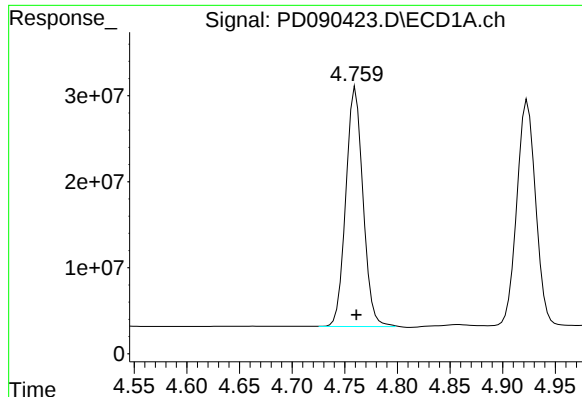
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 118225577
Conc: 45.83 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 796398227
Conc: 45.94 ng/ml



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 317443356
Conc: 49.16 ng/ml

Instrument :

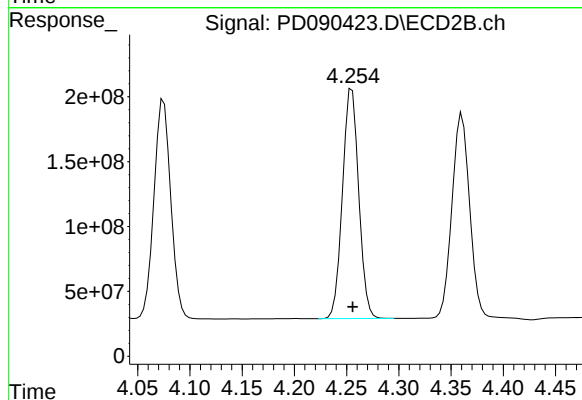
ECD_D

ClientSampleId :

PB169882BS

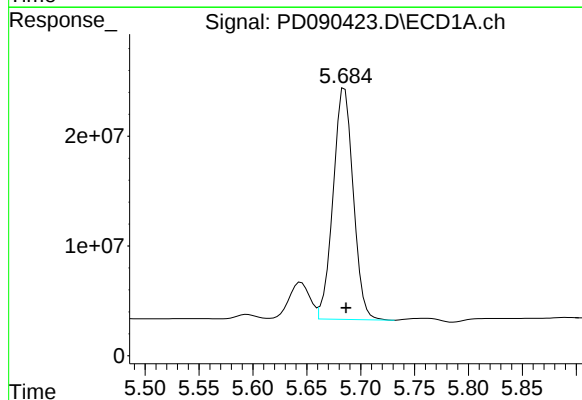
Manual Integrations
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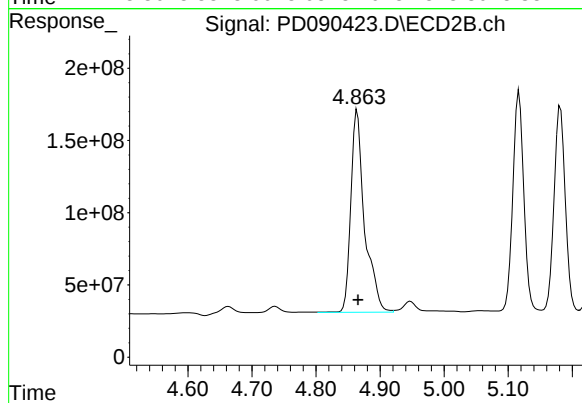
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1915345920
Conc: 46.38 ng/ml



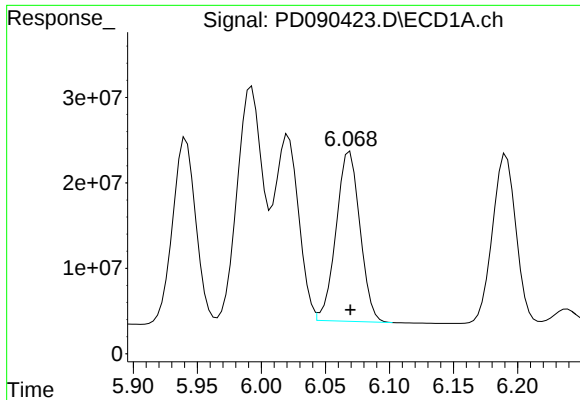
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.001 min
Response: 273991163
Conc: 47.94 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2087982613
Conc: 56.64 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 256953230
Conc: 47.57 ng/ml

Instrument :

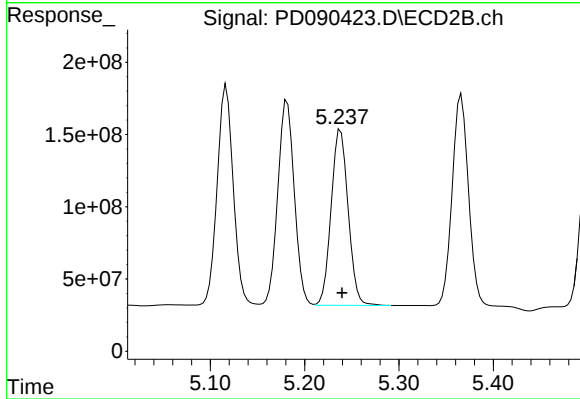
ECD_D

ClientSampleId :

PB169882BS

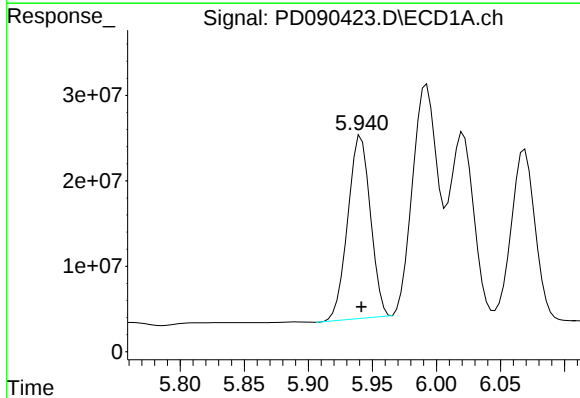
Manual Integrations
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Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



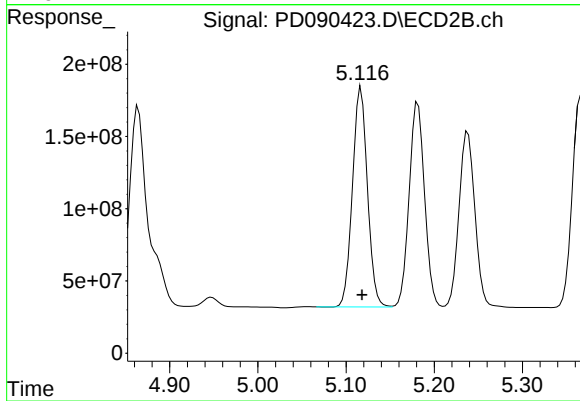
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1525353826
Conc: 44.08 ng/ml



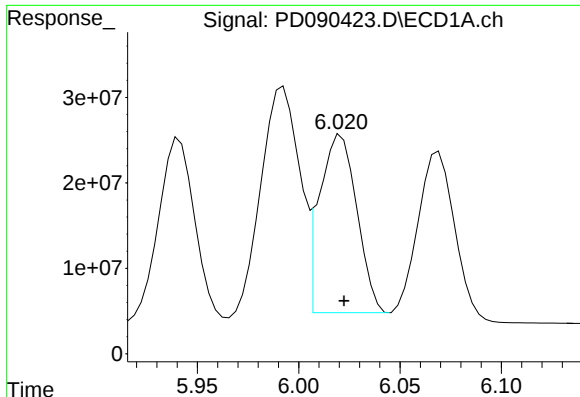
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 262598108
Conc: 45.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1797577323
Conc: 45.76 ng/ml



#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 257658036
Conc: 44.73 ng/ml

Instrument :

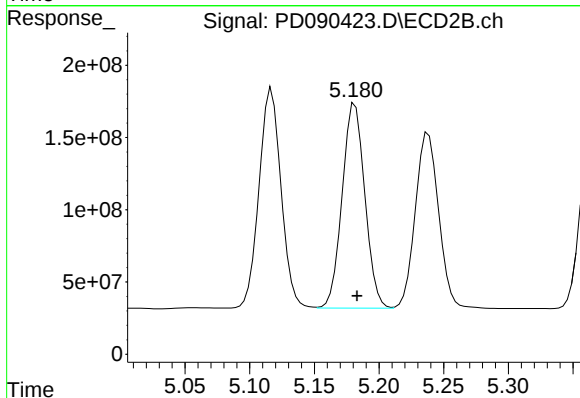
ECD_D

ClientSampleId :

PB169882BS

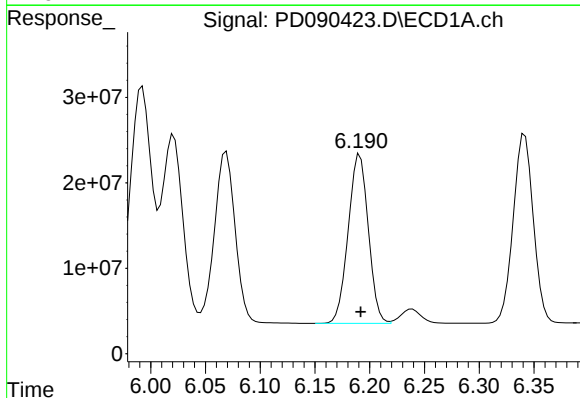
Manual Integrations
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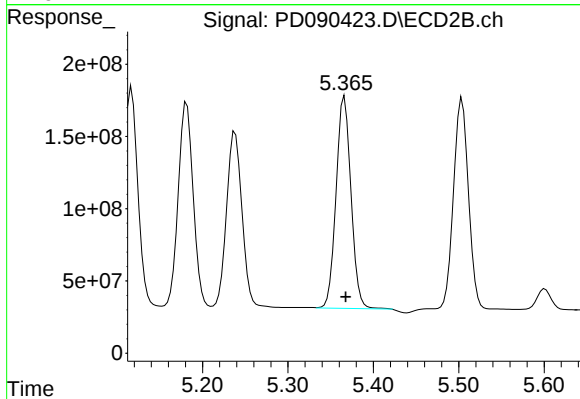
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 1728015207
Conc: 45.88 ng/ml



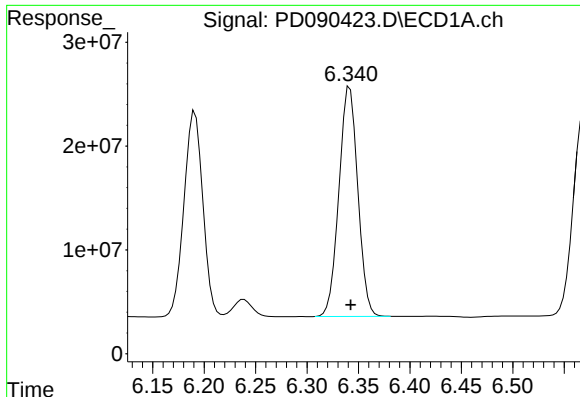
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 253031644
Conc: 48.59 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1781715789
Conc: 46.55 ng/ml



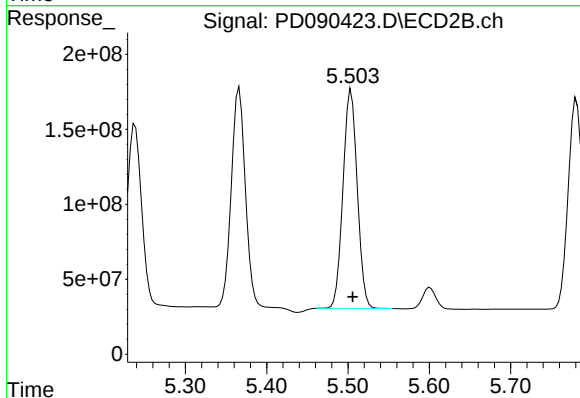
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 282806062
Conc: 49.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

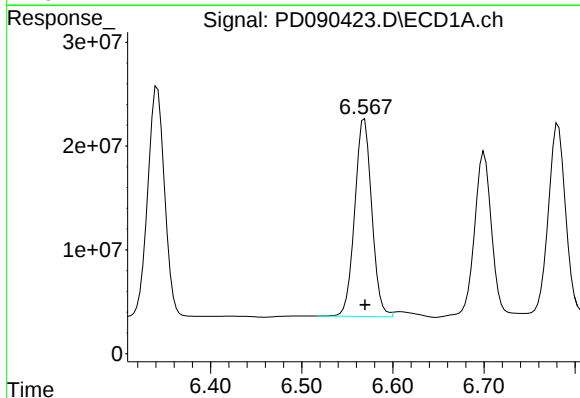
Manual Integrations
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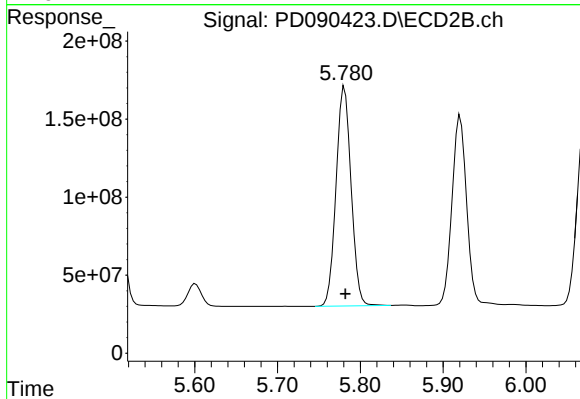
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1776311169
Conc: 45.61 ng/ml



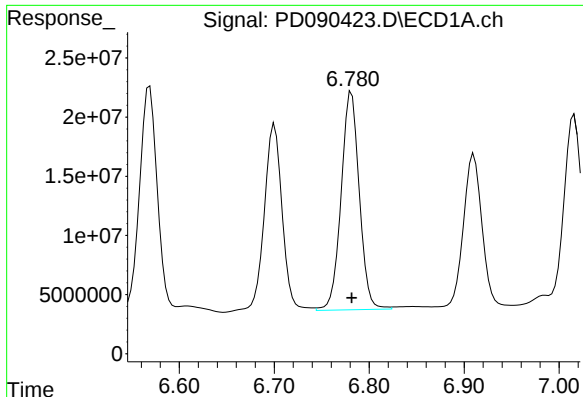
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 247049629
Conc: 50.48 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1775337723
Conc: 49.55 ng/ml



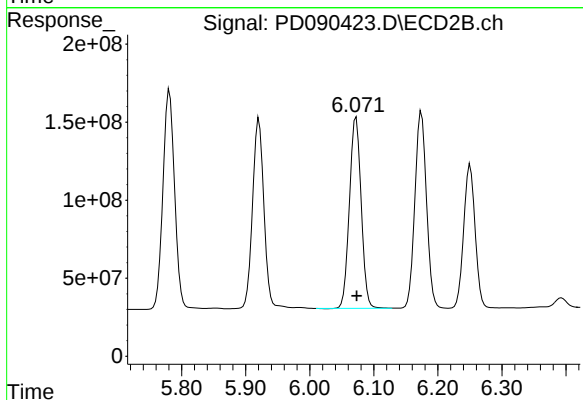
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 245483701
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

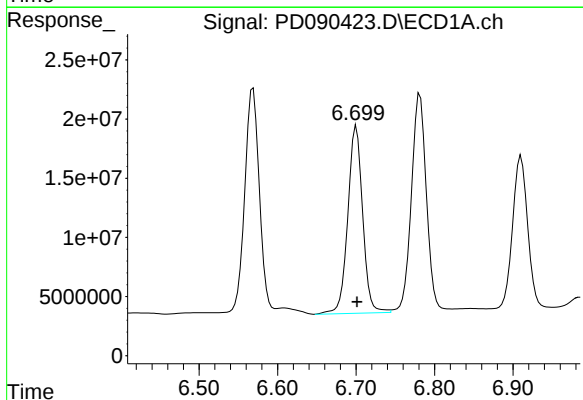
Manual Integrations
APPROVED

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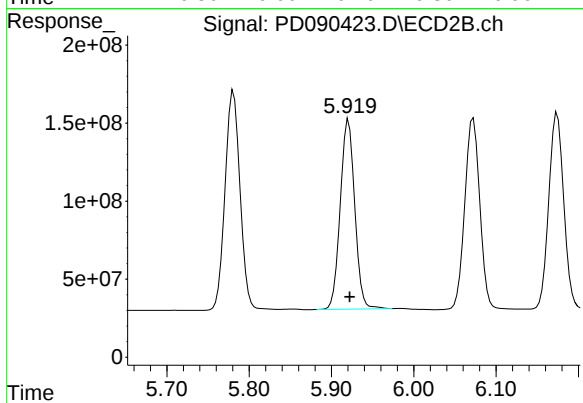
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1556930256
Conc: 46.13 ng/ml



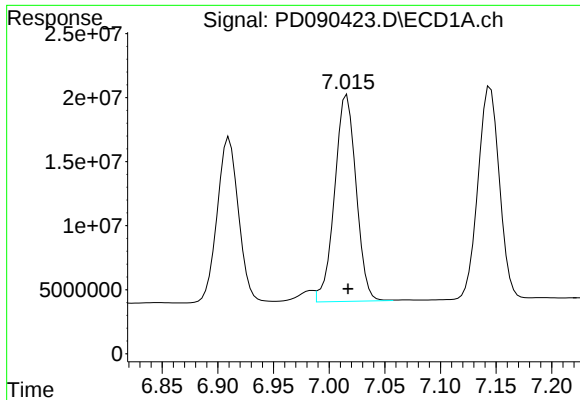
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 208677961
Conc: 50.92 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1489896468
Conc: 45.95 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 216750926
Conc: 48.68 ng/ml

Instrument :

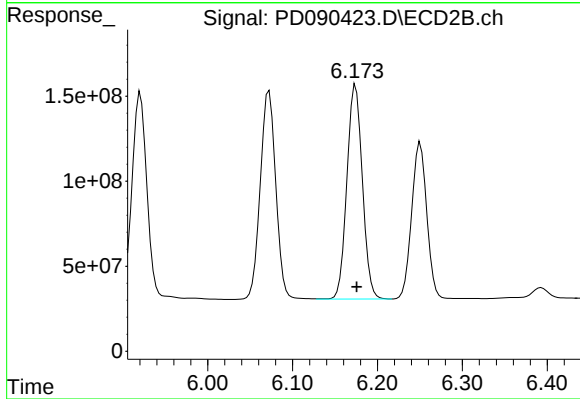
ECD_D

ClientSampleId :

PB169882BS

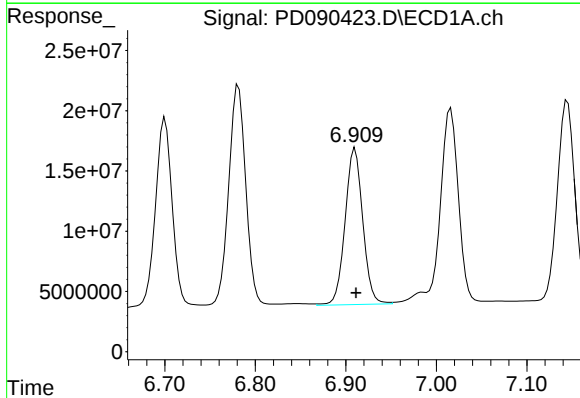
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/01/2025



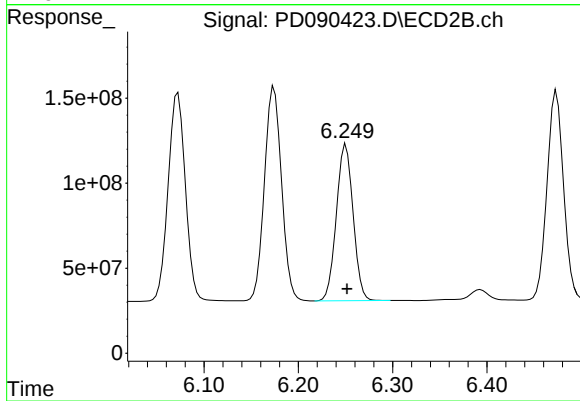
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1593431685
Conc: 46.35 ng/ml



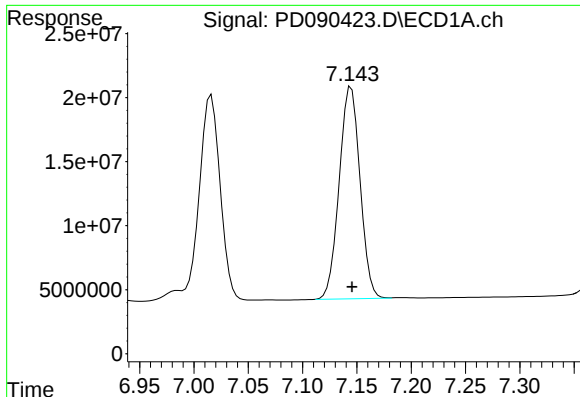
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 176034779
Conc: 51.31 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.001 min
Response: 1136408063
Conc: 48.26 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 221158367
Conc: 48.07 ng/ml

Instrument :

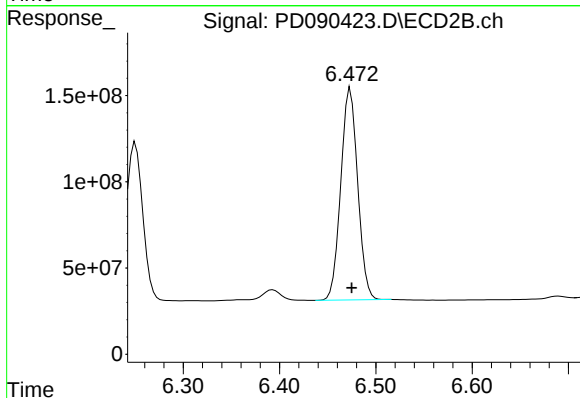
ECD_D

ClientSampleId :

PB169882BS

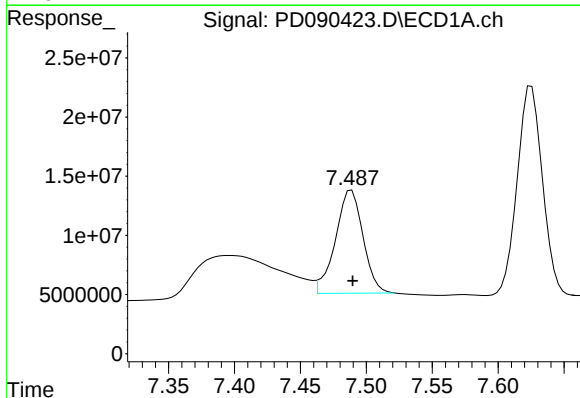
Manual Integrations
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Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



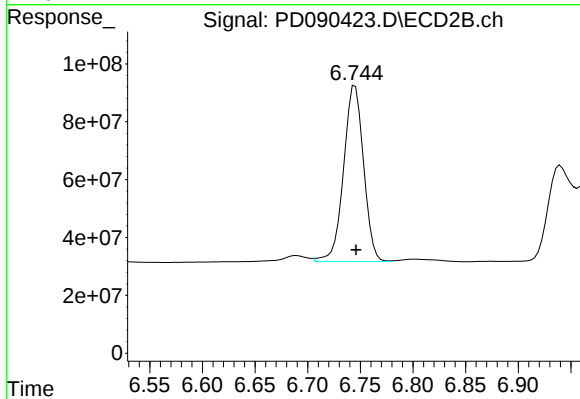
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1494565987
Conc: 45.72 ng/ml



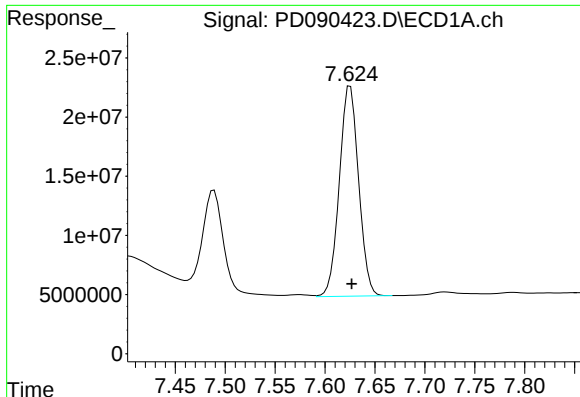
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 125553460
Conc: 53.28 ng/ml m



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 807077527
Conc: 46.38 ng/ml



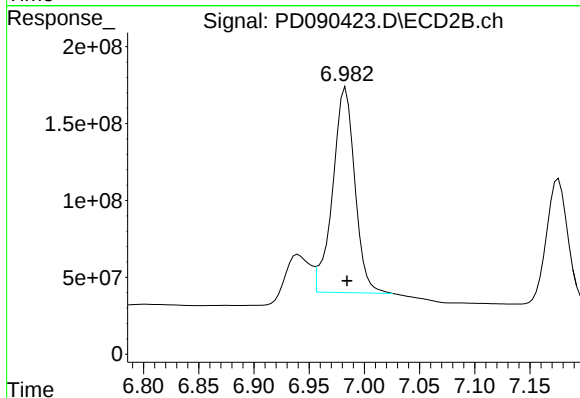
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 238680107
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

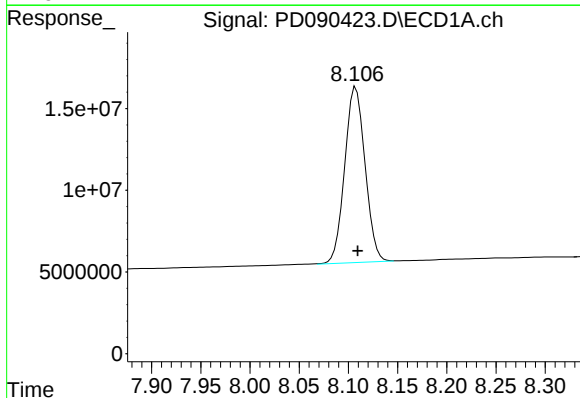
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



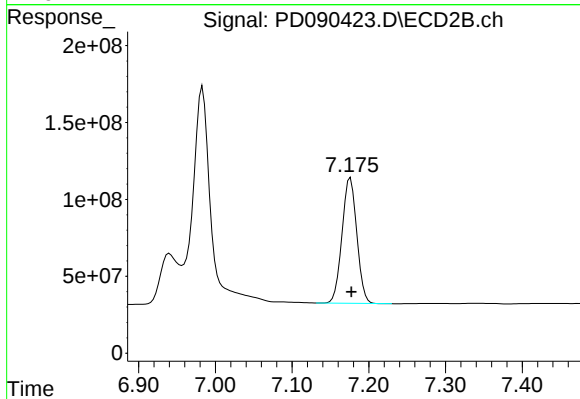
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1852598578
Conc: 51.31 ng/ml m



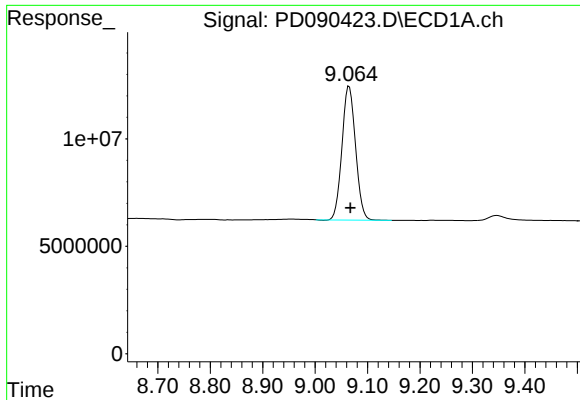
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.003 min
Response: 154777089
Conc: 41.78 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.001 min
Response: 1095595681
Conc: 39.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 112103082
Conc: 23.23 ng/ml

Instrument :

ECD_D

ClientSampleId :

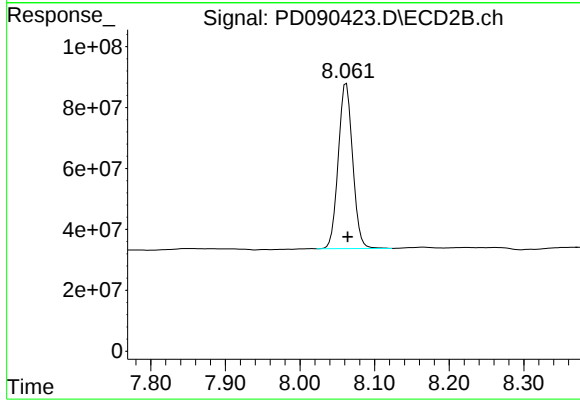
PB169882BS

Manual Integrations

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Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 725470968
Conc: 22.38 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-01MS		SDG No.:	Q3179	
Lab Sample ID:	Q3179-02MS		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090429.D	1	09/29/25 09:45	09/29/25 18:59	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.042		0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.042		0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.046		0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.045		0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.038		0.00030	0.0050	ug/L
309-00-2	Aldrin	0.036		0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.042		0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.042		0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.043		0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.041		0.00040	0.0050	ug/L
72-20-8	Endrin	0.044		0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.043		0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.042		0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.043		0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.044		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.045		0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.044		0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.044		0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.040		0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.039		0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.5		57 - 171	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MS	SDG No.:	Q3179
Lab Sample ID:	Q3179-02MS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090429.D	1	09/29/25 09:45	09/29/25 18:59	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090429.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 18:59
 Operator : AR\AJ
 Sample : Q3179-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 EME-TS14-01MS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/30/2025
 Supervised By : mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:32:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	2.876	57502723	462.9E6	17.691	16.863
28)	SA Decachlor...	9.062	8.061	74767898	451.0E6	15.496	13.913
Target Compounds							
2)	A alpha-BHC	3.995	3.387	291.2E6	1737.9E6	41.691	39.694
3)	MA gamma-BHC...	4.324	3.723	297.5E6	1591.4E6	44.968m	39.067
4)	MA Heptachlor	4.923	4.076	248.7E6	1514.0E6	37.616	37.183
5)	MB Aldrin	5.265	4.361	229.8E6	1420.6E6	36.190	35.574
6)	B beta-BHC	4.512	4.019	101.8E6	720.7E6	39.464	41.574
7)	B delta-BHC	4.759	4.256	297.3E6	1619.4E6	46.037m	39.216
8)	B Heptachlo...	5.684	4.865	234.6E6	1551.7E6	41.048	42.092
9)	A Endosulfan I	6.066	5.239	226.6E6	1380.6E6	41.946m	39.897
10)	B gamma-Chl...	5.940	5.118	224.1E6	1527.4E6	39.226	38.878
11)	B alpha-Chl...	6.019	5.183	230.2E6	1468.3E6	39.962m	38.982
12)	B 4,4'-DDE	6.190	5.367	213.6E6	1469.9E6	41.014	38.399
13)	MA Dieldrin	6.341	5.505	245.6E6	1554.6E6	42.609	39.916
14)	MA Endrin	6.567	5.781	212.7E6	1432.2E6	43.457	39.970
15)	B Endosulfa...	6.780	6.072	211.1E6	1356.7E6	43.284	40.199
16)	A 4,4'-DDD	6.699	5.921	172.3E6	1272.1E6	42.048	39.230
17)	MA 4,4'-DDT	7.015	6.175	193.6E6	1382.0E6	43.487	40.199
18)	B Endrin al...	6.909	6.250	150.5E6	979.4E6	43.873	41.595
19)	B Endosulfa...	7.143	6.474	196.6E6	1304.6E6	42.727	39.907
20)	A Methoxychlor	7.487	6.744	106.5E6	693.2E6	45.206	39.840
21)	B Endrin ke...	7.624	6.983	215.3E6	1387.4E6	43.515	38.428
22)	Mirex	8.105	7.175	143.7E6	1000.5E6	38.781m	36.242

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 18:59
Operator : AR\AJ
Sample : Q3179-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

EME-TS14-01MS

Manual Integrations

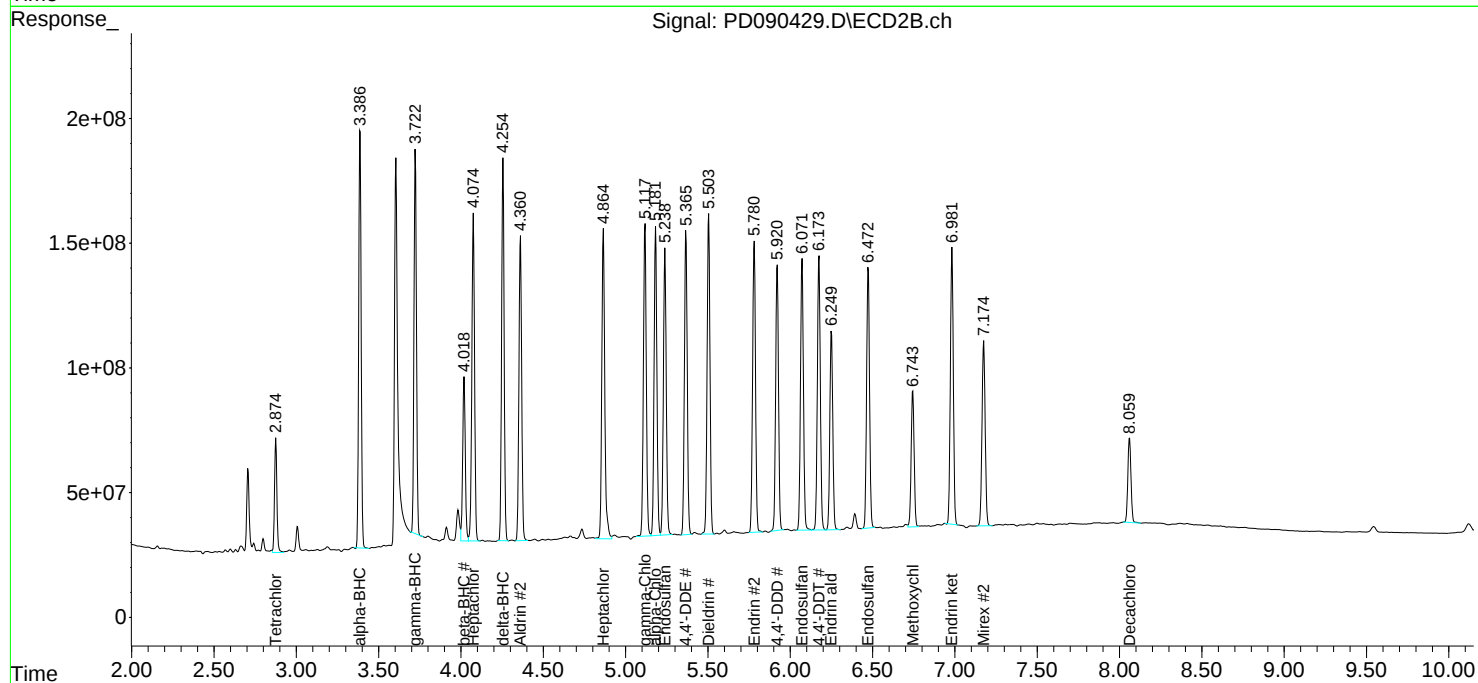
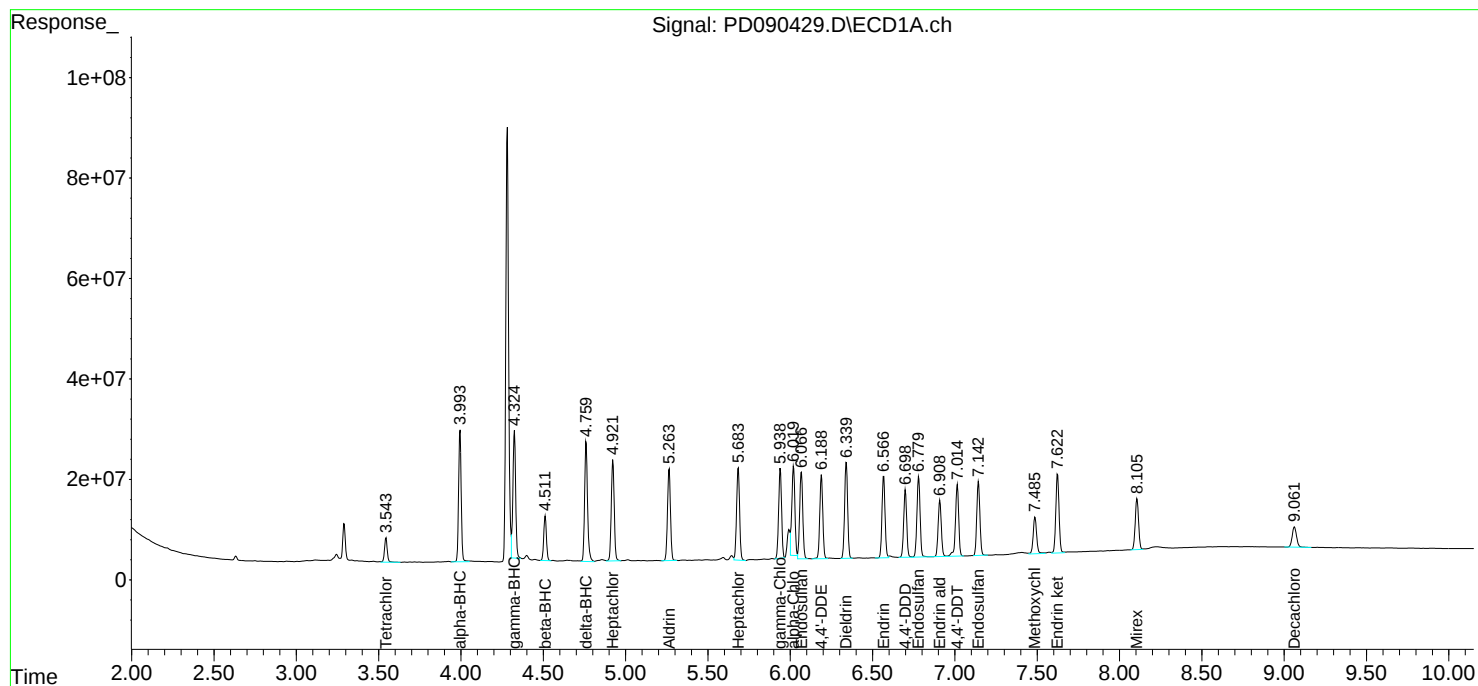
APPROVED

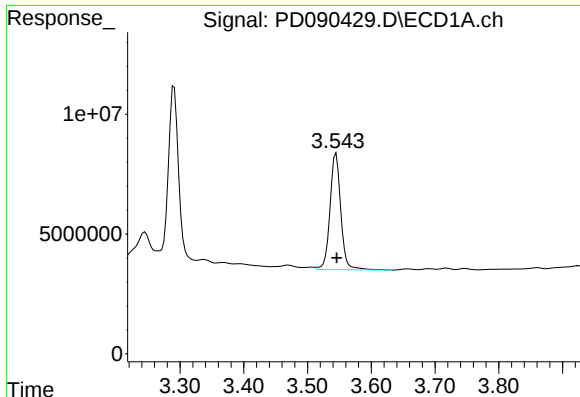
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:32:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





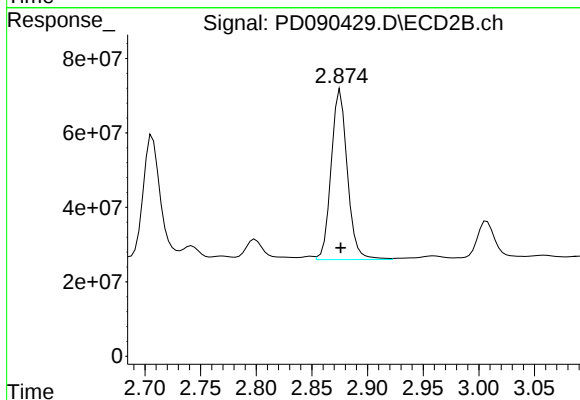
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 57502723
Conc: 17.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

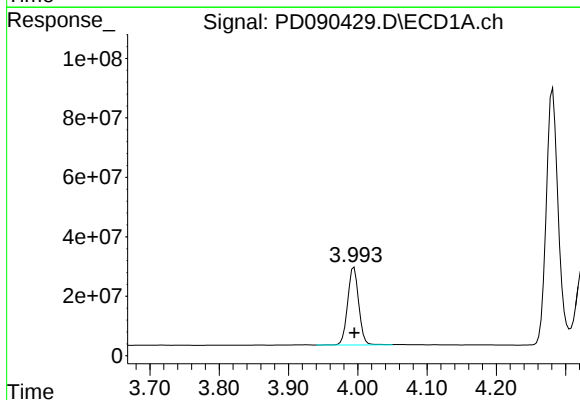
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



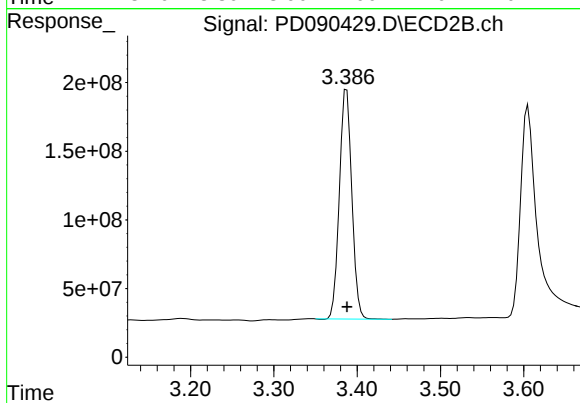
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 462885961
Conc: 16.86 ng/ml



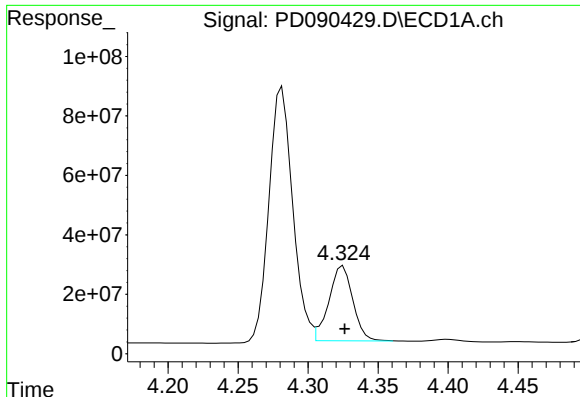
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 291194080
Conc: 41.69 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1737921450
Conc: 39.69 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 297545357
Conc: 44.97 ng/ml

Instrument :

ECD_D

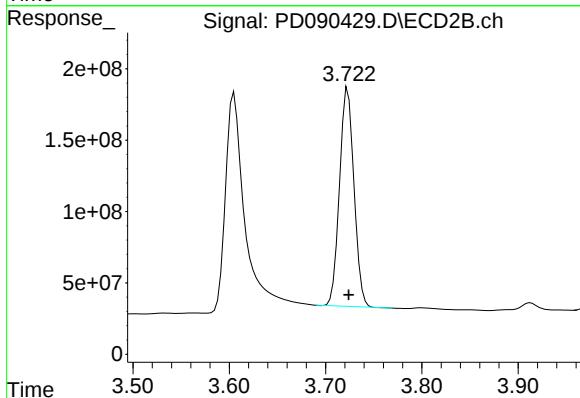
ClientSampleId :

EME-TS14-01MS

Manual Integrations

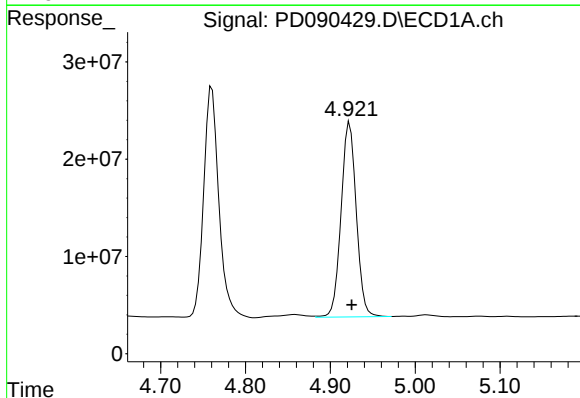
APPROVED

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Supervised By :mohammad ahmed 10/01/2025



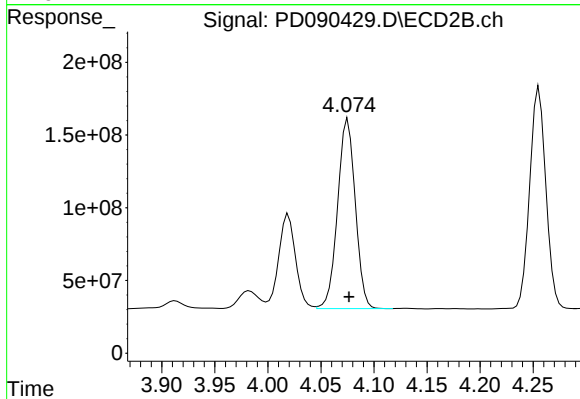
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1591401878
Conc: 39.07 ng/ml



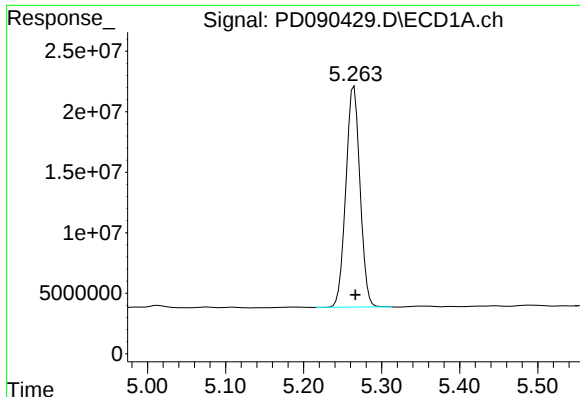
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 248741366
Conc: 37.62 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1513981294
Conc: 37.18 ng/ml



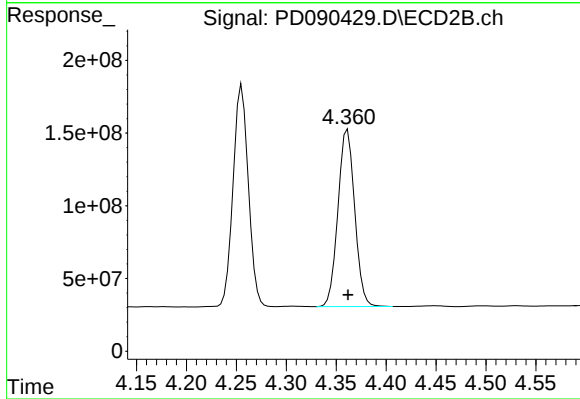
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 229802161
Conc: 36.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

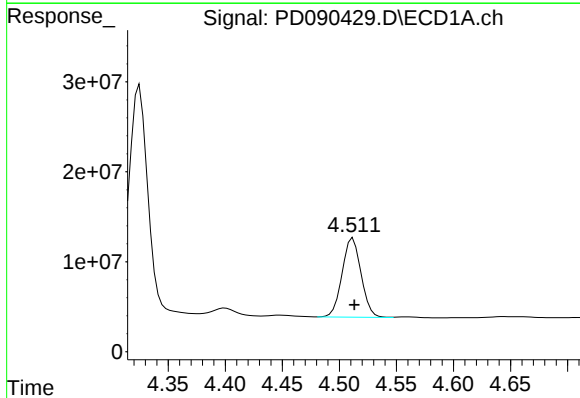
Manual Integrations
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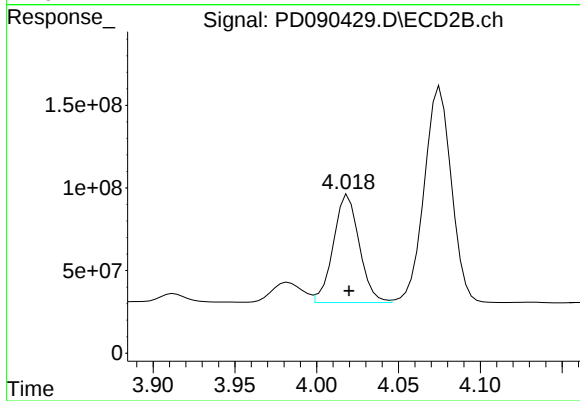
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 1420633081
Conc: 35.57 ng/ml



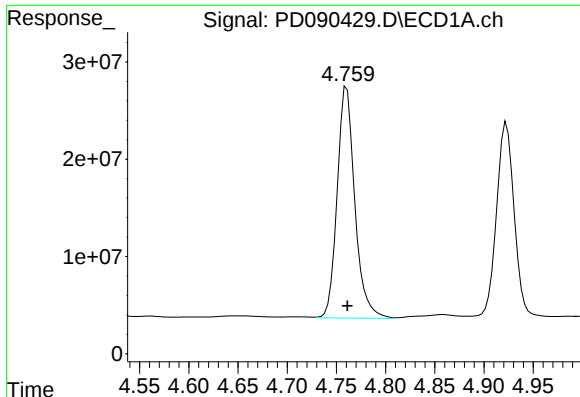
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 101814086
Conc: 39.46 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 720692087
Conc: 41.57 ng/ml



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 297281087
Conc: 46.04 ng/ml

Instrument :

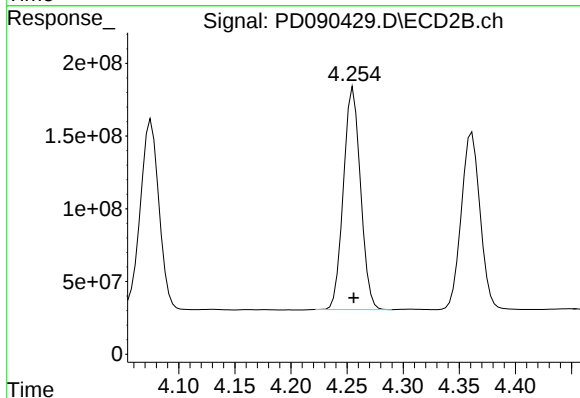
ECD_D

ClientSampleId :

EME-TS14-01MS

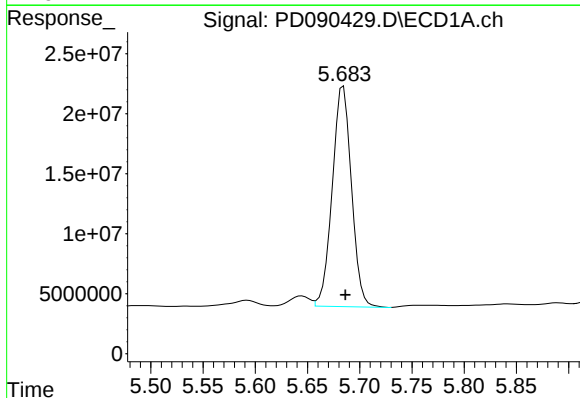
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



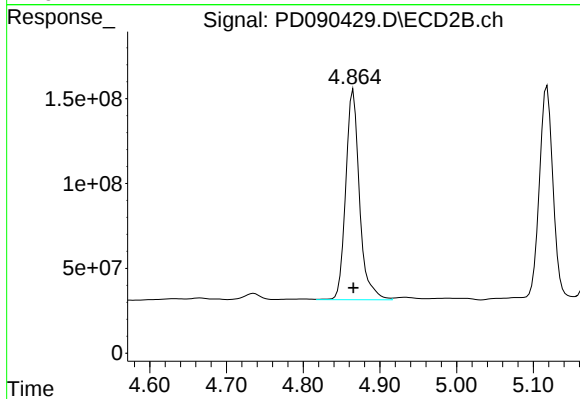
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1619418947
Conc: 39.22 ng/ml



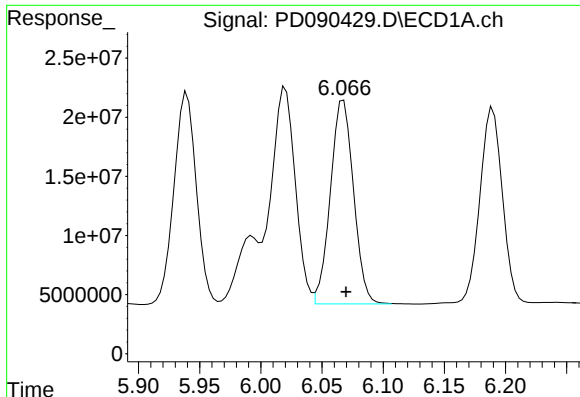
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 234587303
Conc: 41.05 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 1551725803
Conc: 42.09 ng/ml



#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 226571795
Conc: 41.95 ng/ml

Instrument :

ECD_D

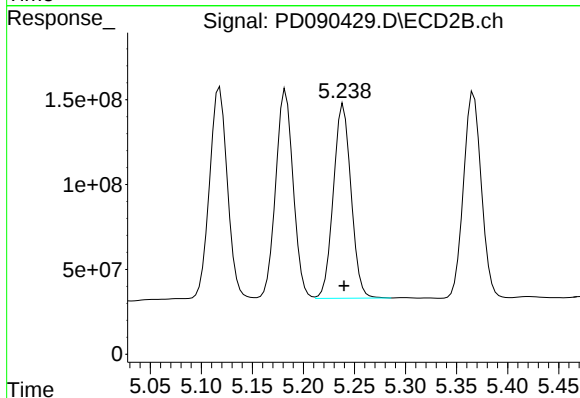
ClientSampleId :

EME-TS14-01MS

Manual Integrations

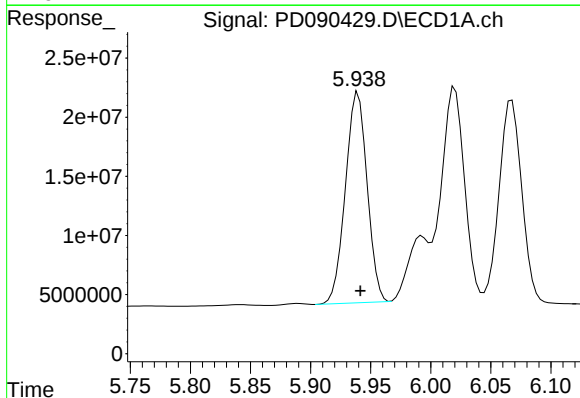
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



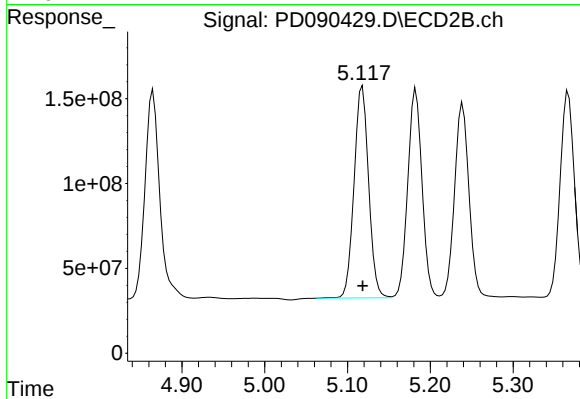
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1380630761
Conc: 39.90 ng/ml



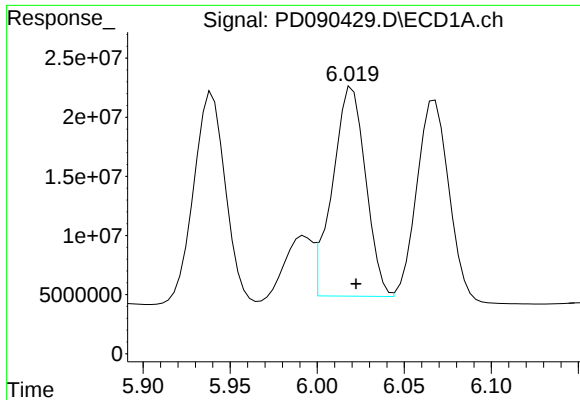
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 224059303
Conc: 39.23 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1527379733
Conc: 38.88 ng/ml



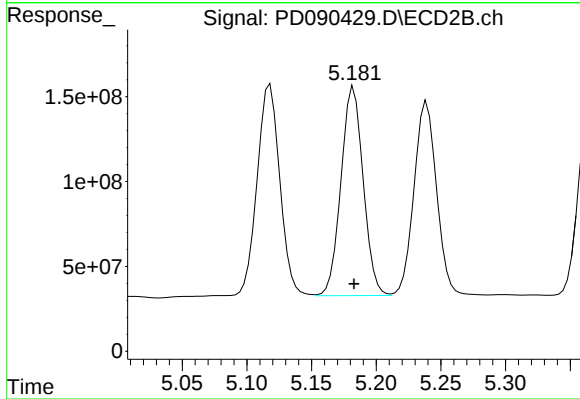
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 230213013
Conc: 39.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

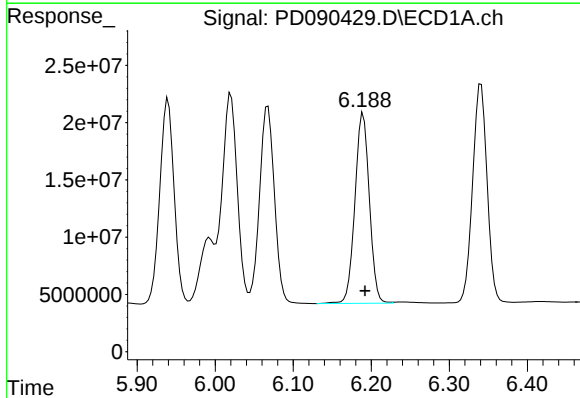
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



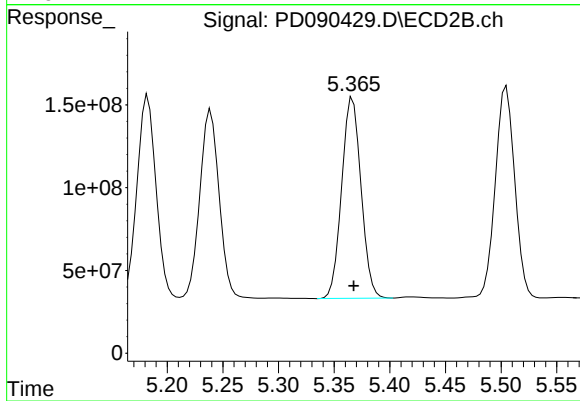
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1468286502
Conc: 38.98 ng/ml



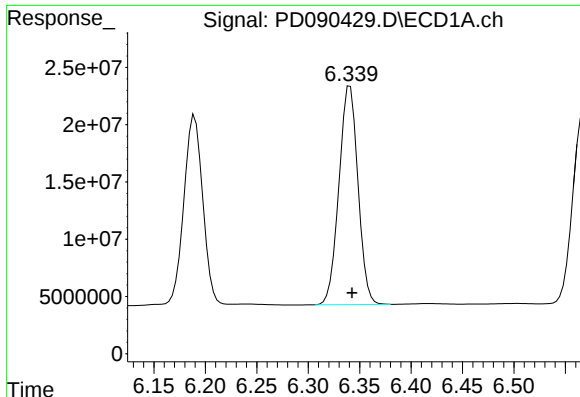
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 213582503
Conc: 41.01 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 1469879053
Conc: 38.40 ng/ml



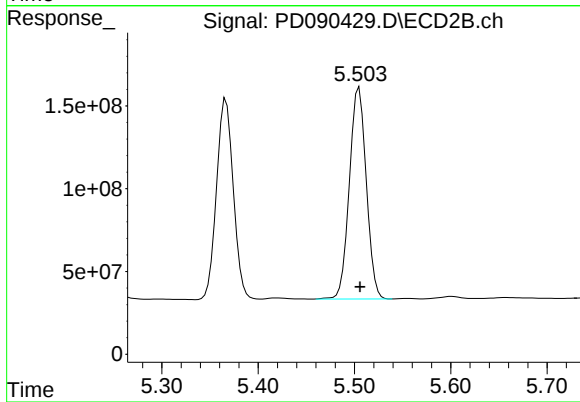
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 245628571
Conc: 42.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

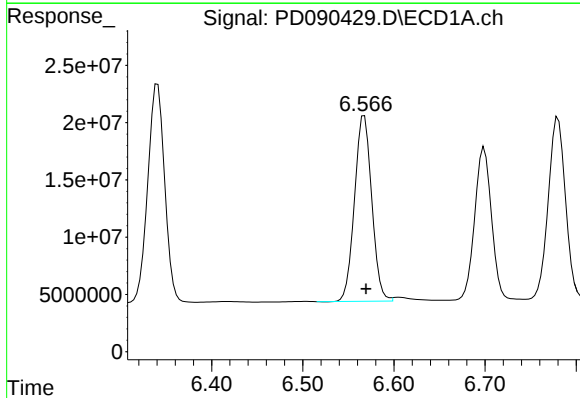
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



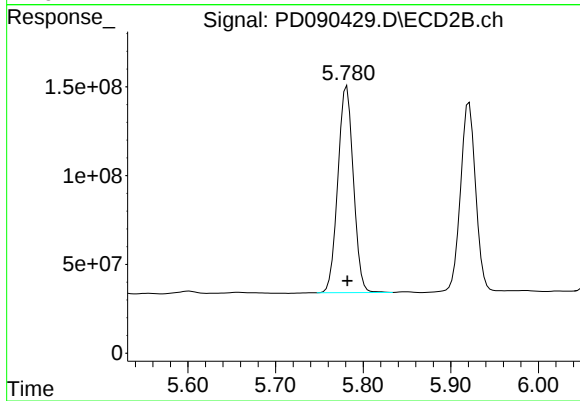
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 1554582130
Conc: 39.92 ng/ml



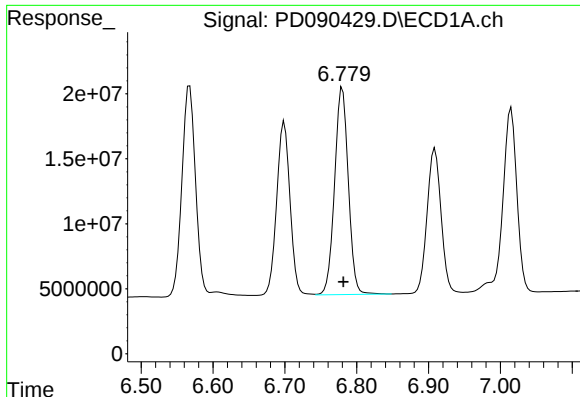
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 212675512
Conc: 43.46 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1432220255
Conc: 39.97 ng/ml



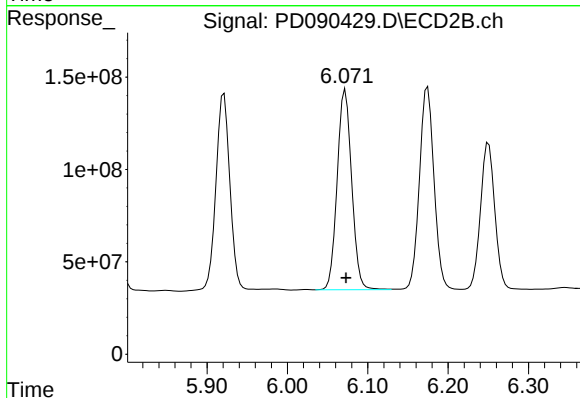
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 211130472
Conc: 43.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

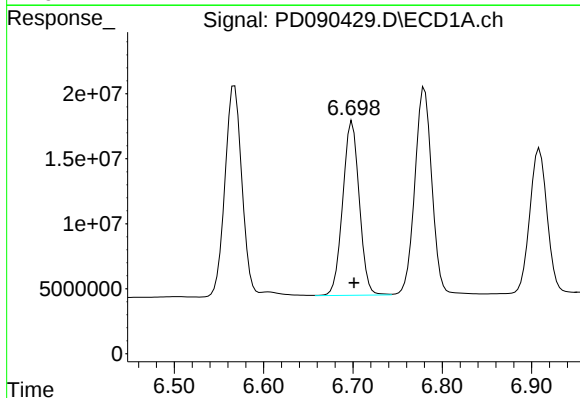
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



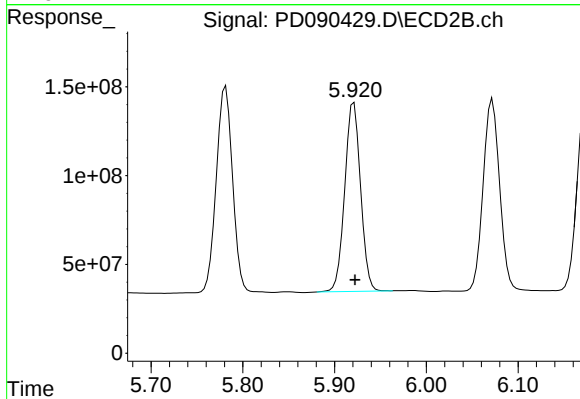
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1356743577
Conc: 40.20 ng/ml



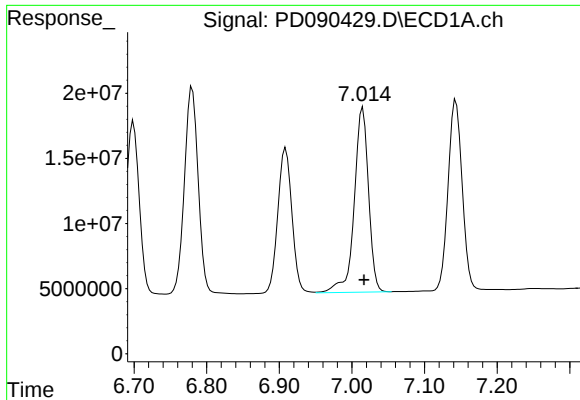
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 172303512
Conc: 42.05 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1272148264
Conc: 39.23 ng/ml



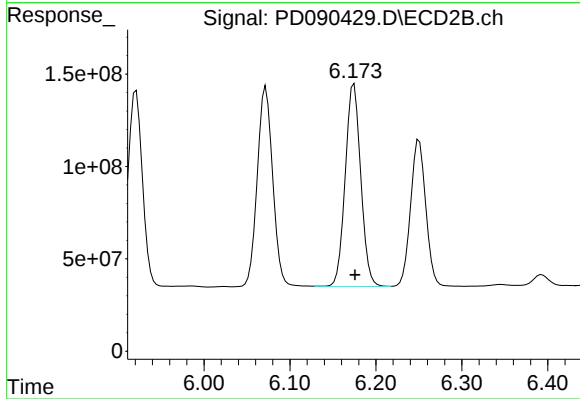
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 193625923
Conc: 43.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

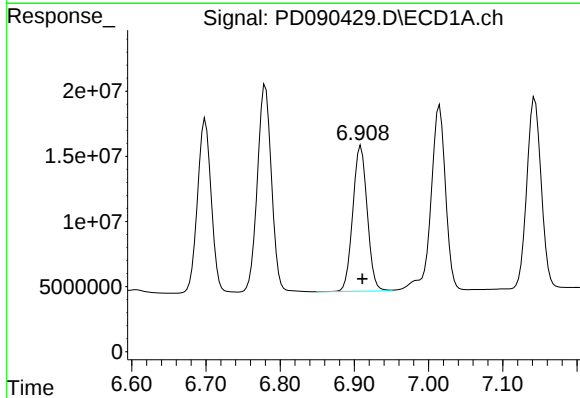
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



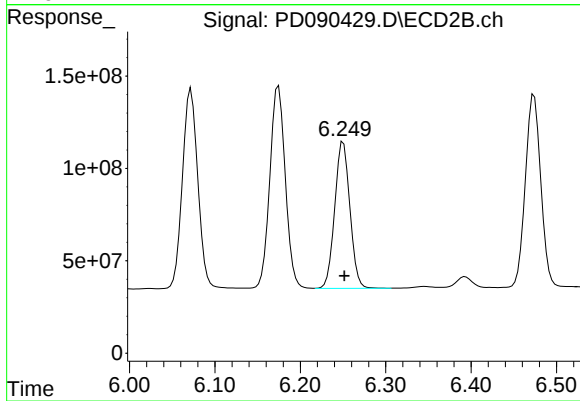
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.001 min
Response: 1382004410
Conc: 40.20 ng/ml



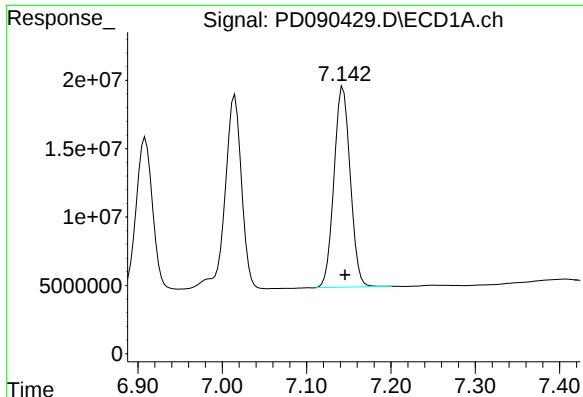
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 150510656
Conc: 43.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.001 min
Response: 979433599
Conc: 41.60 ng/ml



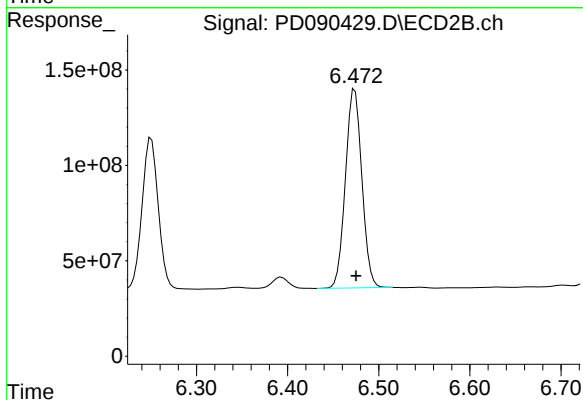
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 196561049
Conc: 42.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

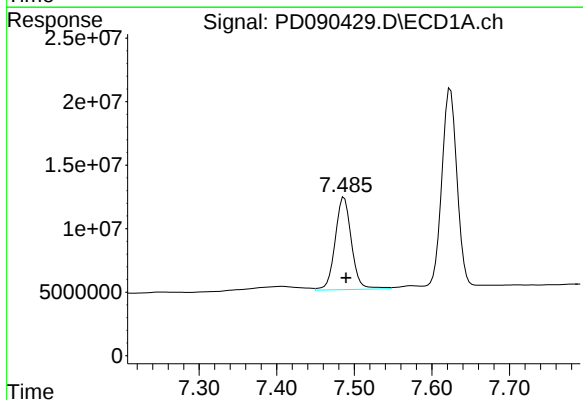
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



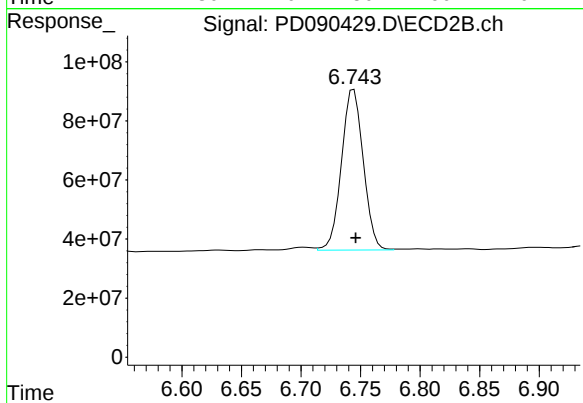
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1304560836
Conc: 39.91 ng/ml



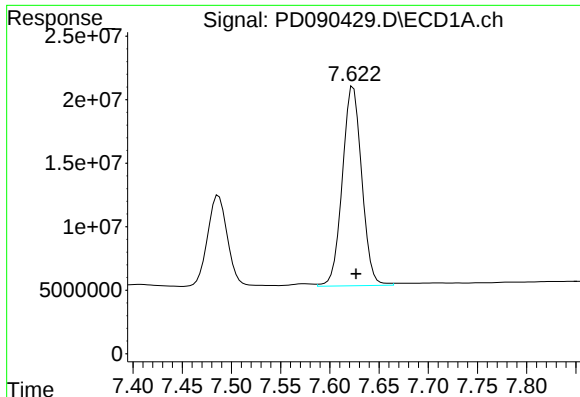
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.003 min
Response: 106528982
Conc: 45.21 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 693226290
Conc: 39.84 ng/ml



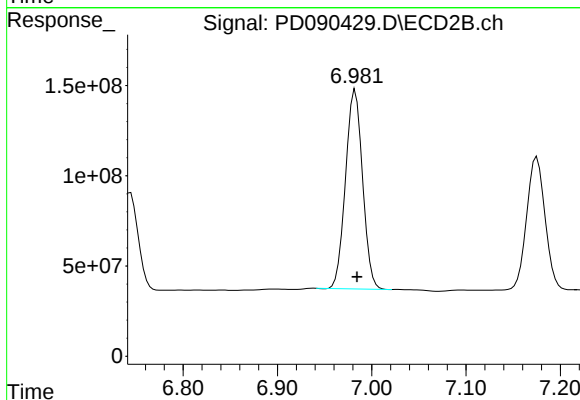
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 215286963
Conc: 43.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

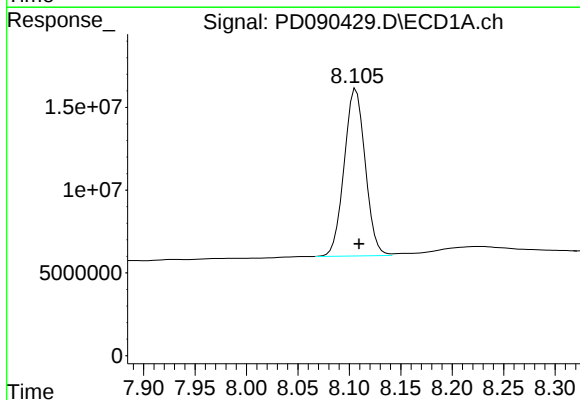
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



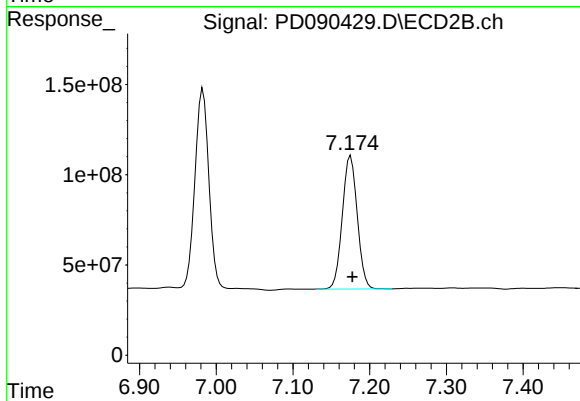
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1387366464
Conc: 38.43 ng/ml



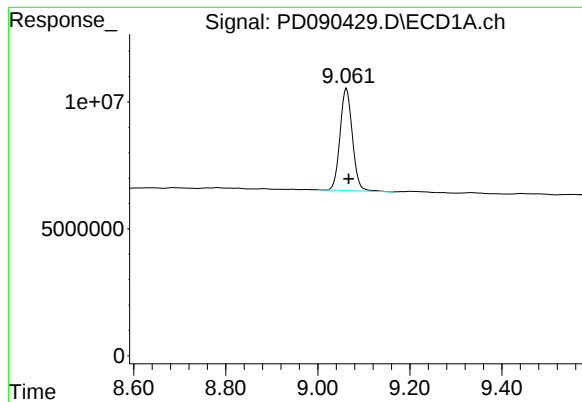
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.004 min
Response: 143676527
Conc: 38.78 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1000487450
Conc: 36.24 ng/ml



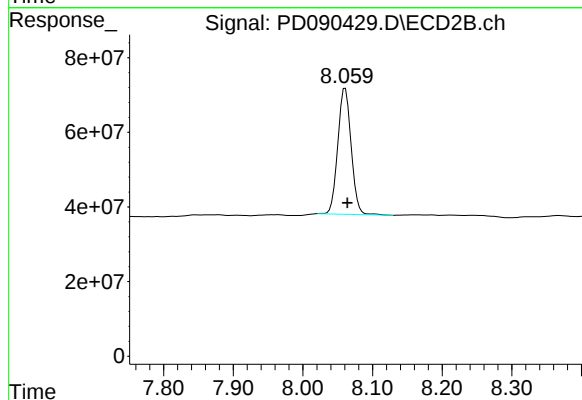
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.005 min
Response: 74767898
Conc: 15.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 450972882
Conc: 13.91 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MSD	SDG No.:	Q3179
Lab Sample ID:	Q3179-03MSD	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090430.D	1	09/29/25 09:45	09/29/25 19:13	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.042		0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.041		0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.042		0.0011	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.041		0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.037		0.00030	0.0050	ug/L
309-00-2	Aldrin	0.035		0.00040	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.045		0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.042		0.00030	0.0050	ug/L
60-57-1	Dieldrin	0.042		0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.040		0.00040	0.0050	ug/L
72-20-8	Endrin	0.043		0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.043		0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.042		0.00070	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.043		0.00040	0.0050	ug/L
50-29-3	4,4-DDT	0.043		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.044		0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.044		0.00090	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.044		0.0011	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.041		0.00040	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.038		0.00040	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
57-74-9	Chlordane	0.0088	U	0.0088	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.8		57 - 171	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MSD	SDG No.:	Q3179
Lab Sample ID:	Q3179-03MSD	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090430.D	1	09/29/25 09:45	09/29/25 19:13	PB169882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090430.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 19:13
 Operator : AR\AJ
 Sample : Q3179-03MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 EME-TS14-01MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:33:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	2.876	57410072	454.9E6	17.662	16.574
28)	SA Decachlor...	9.063	8.062	71487004	439.4E6	14.816	13.556
Target Compounds							
2)	A alpha-BHC	3.995	3.387	293.3E6	1744.9E6	41.993	39.854
3)	MA gamma-BHC...	4.324	3.723	271.7E6	1627.1E6	41.060m	39.943
4)	MA Heptachlor	4.923	4.075	243.3E6	1436.1E6	36.787	35.269
5)	MB Aldrin	5.265	4.361	221.9E6	1370.7E6	34.950	34.323
6)	B beta-BHC	4.512	4.019	102.8E6	711.9E6	39.863	41.068
7)	B delta-BHC	4.759	4.256	272.2E6	1622.5E6	42.148m	39.290
8)	B Heptachlo...	5.684	4.864	228.3E6	1647.1E6	39.951	44.679
9)	A Endosulfan I	6.066	5.238	227.5E6	1379.5E6	42.116m	39.864
10)	B gamma-Chl...	5.940	5.117	215.6E6	1490.7E6	37.743	37.945
11)	B alpha-Chl...	6.019	5.182	235.6E6	1443.6E6	40.903m	38.327
12)	B 4,4'-DDE	6.190	5.366	210.1E6	1454.7E6	40.348	38.002
13)	MA Dieldrin	6.340	5.504	244.6E6	1541.0E6	42.434	39.568
14)	MA Endrin	6.568	5.780	212.5E6	1428.4E6	43.424	39.865
15)	B Endosulfa...	6.780	6.072	210.3E6	1355.0E6	43.113	40.146
16)	A 4,4'-DDD	6.699	5.920	172.3E6	1263.6E6	42.038	38.967
17)	MA 4,4'-DDT	7.015	6.174	192.0E6	1365.3E6	43.129	39.713
18)	B Endrin al...	6.909	6.250	150.6E6	979.2E6	43.890	41.586
19)	B Endosulfa...	7.144	6.474	195.7E6	1302.2E6	42.540	39.834
20)	A Methoxychlor	7.487	6.744	103.6E6	694.1E6	43.965	39.887
21)	B Endrin ke...	7.624	6.982	215.6E6	1389.3E6	43.584	38.483
22)	Mirex	8.105	7.175	142.6E6	990.0E6	38.490m	35.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 19:13
Operator : AR\AJ
Sample : Q3179-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

EME-TS14-01MSD

Manual Integrations

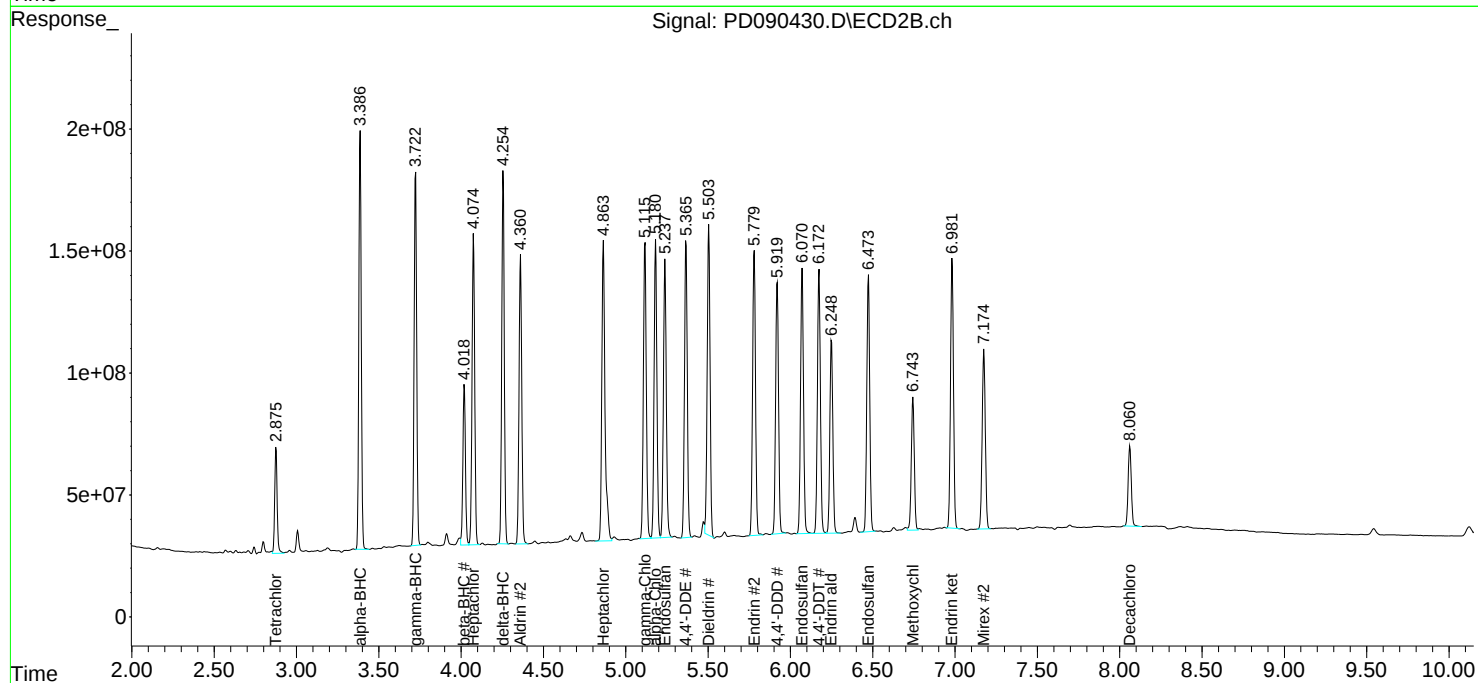
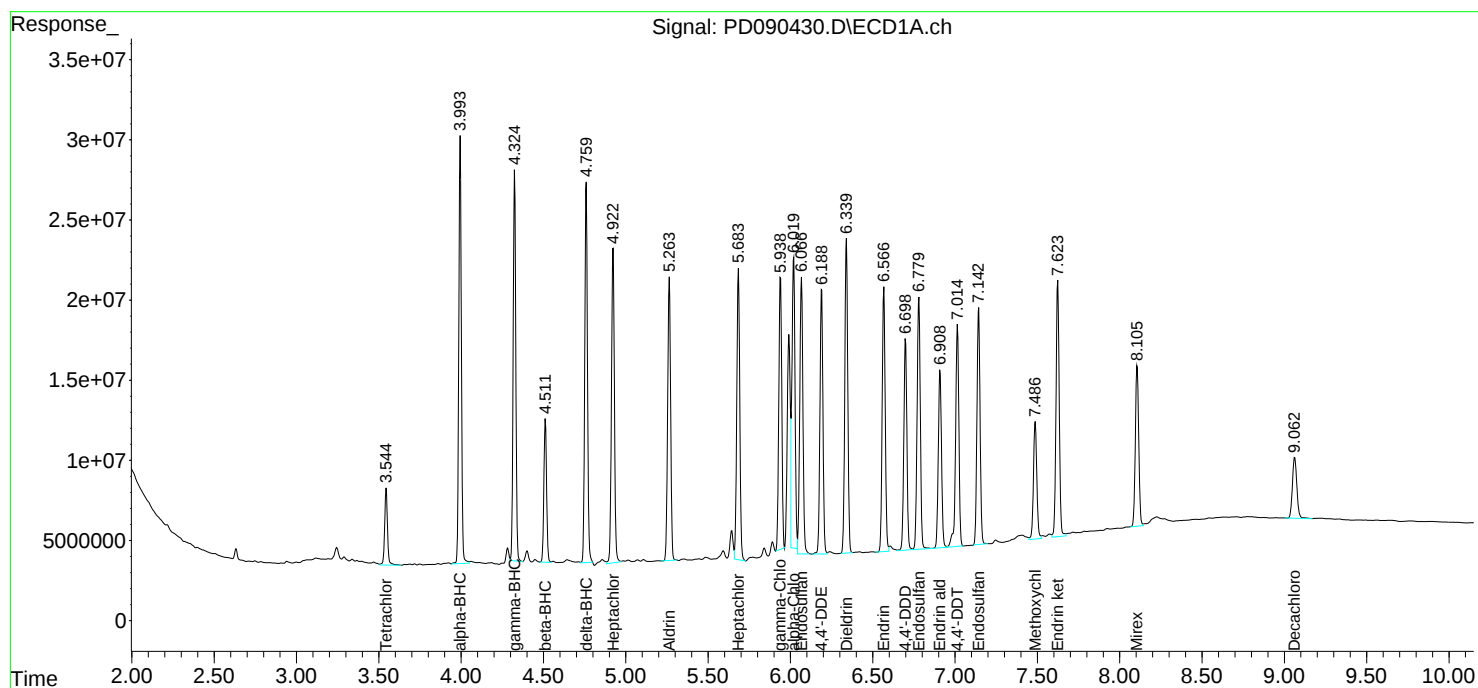
APPROVED

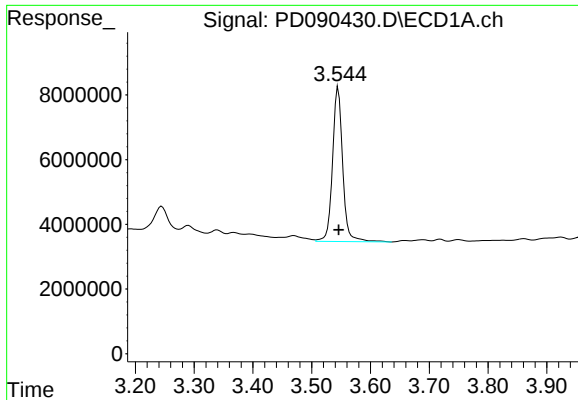
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:33:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





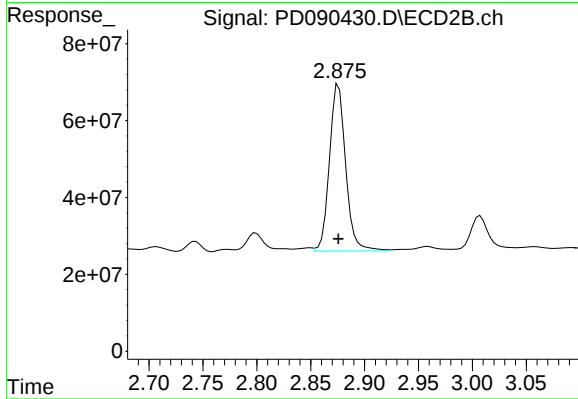
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 57410072
Conc: 17.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

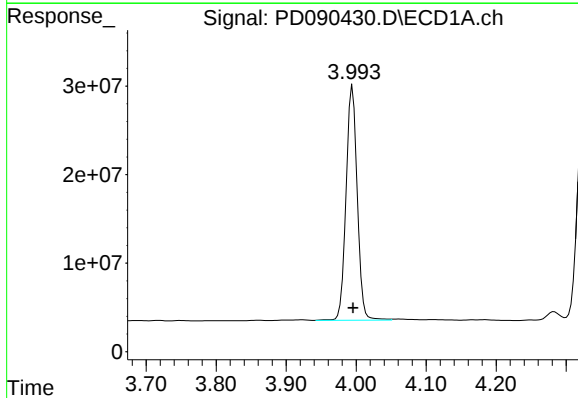
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



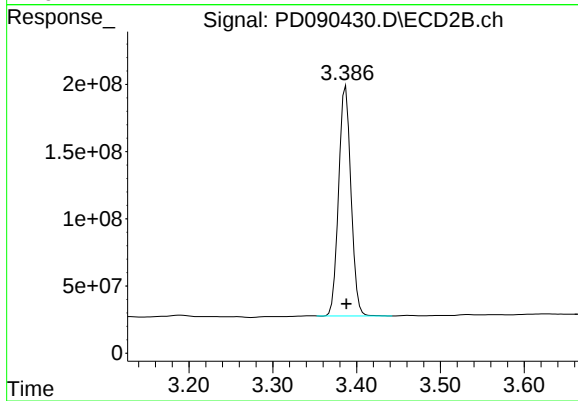
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 454943851
Conc: 16.57 ng/ml



#2 alpha-BHC

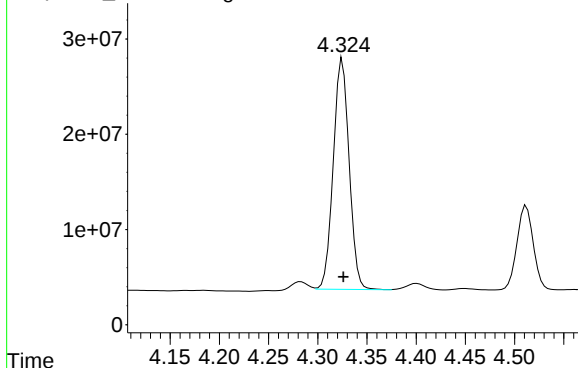
R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 293299101
Conc: 41.99 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1744915165
Conc: 39.85 ng/ml

Response_ Signal: PD090430.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 271689558
Conc: 41.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

EME-TS14-01MSD

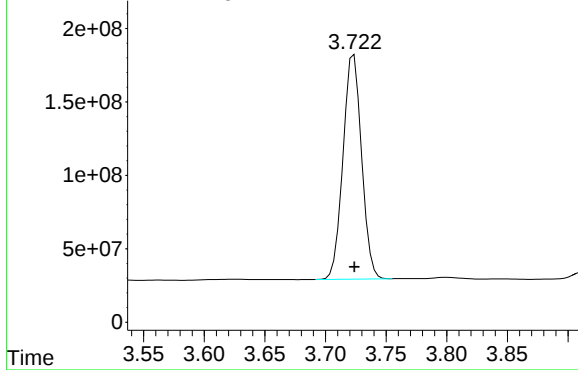
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

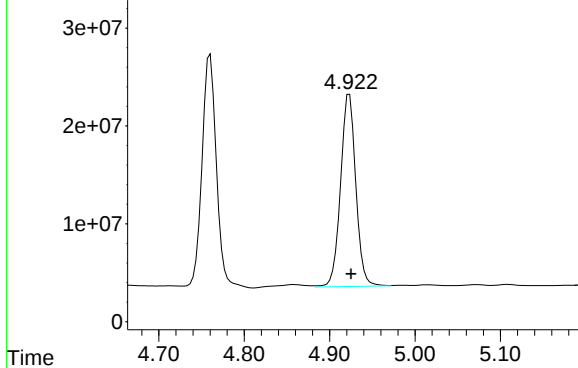
Response_ Signal: PD090430.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1627097718
Conc: 39.94 ng/ml

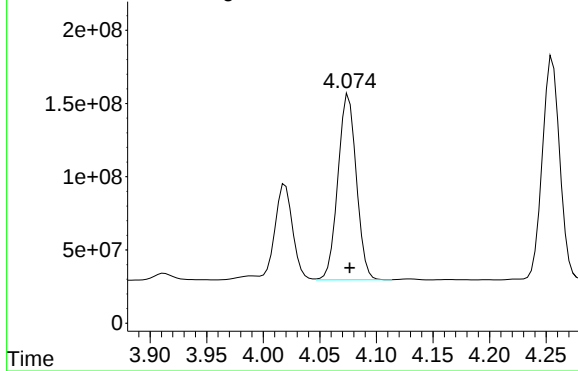
Response_ Signal: PD090430.D\ECD1A.ch



#4 Heptachlor

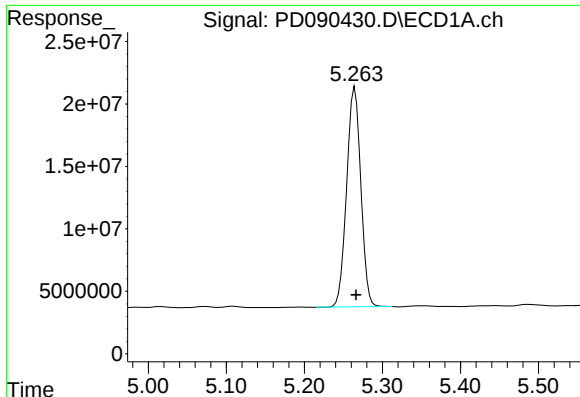
R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 243256716
Conc: 36.79 ng/ml

Response_ Signal: PD090430.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 1436051666
Conc: 35.27 ng/ml



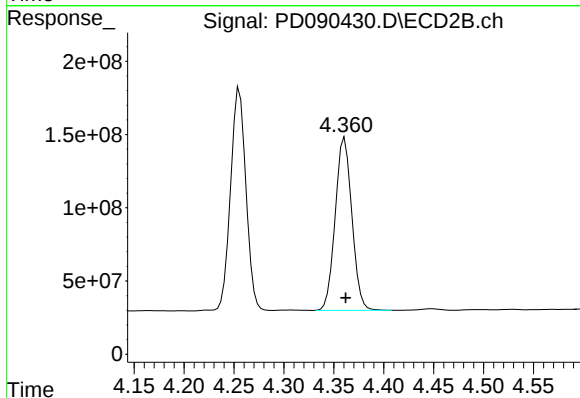
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 221933336
Conc: 34.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

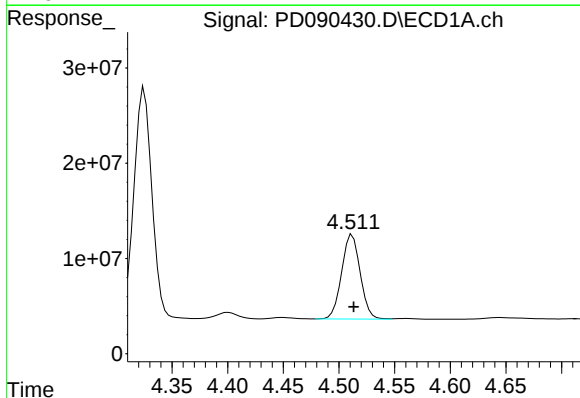
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



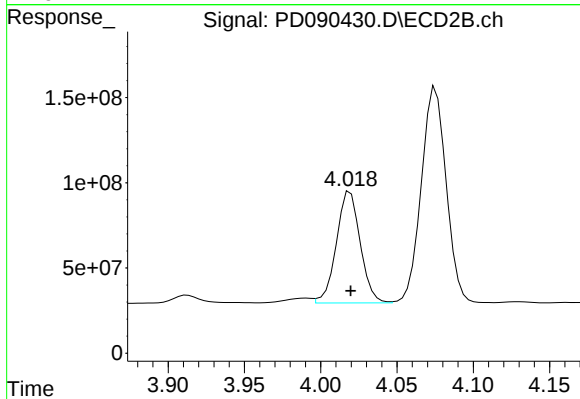
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1370675604
Conc: 34.32 ng/ml



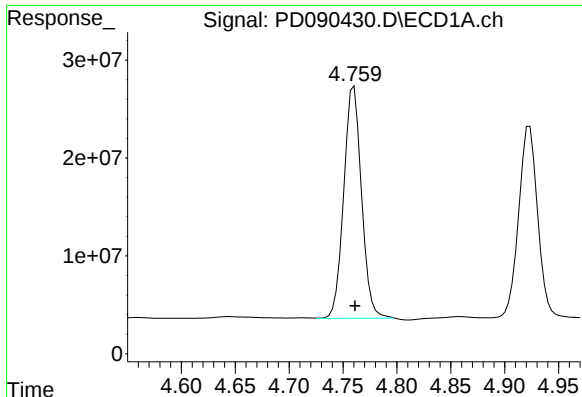
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 102842526
Conc: 39.86 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 711929031
Conc: 41.07 ng/ml



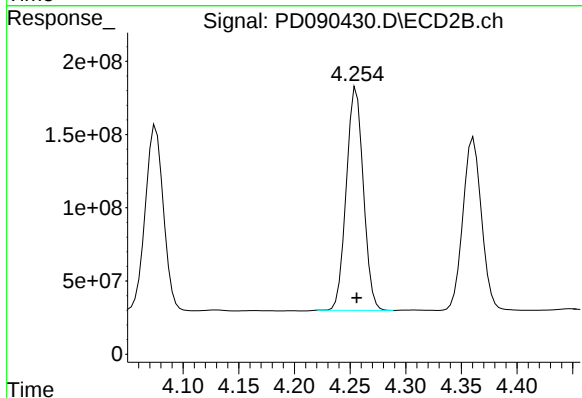
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 272172777
Conc: 42.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

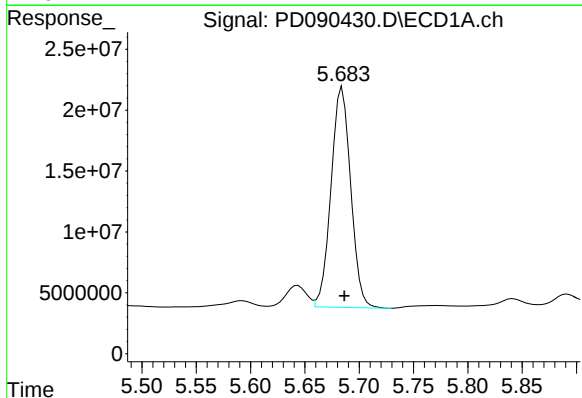
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



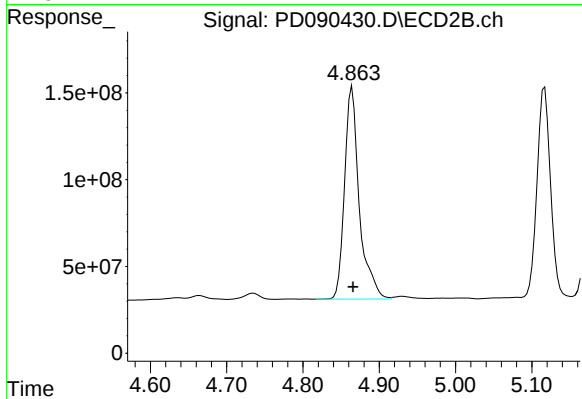
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1622486588
Conc: 39.29 ng/ml



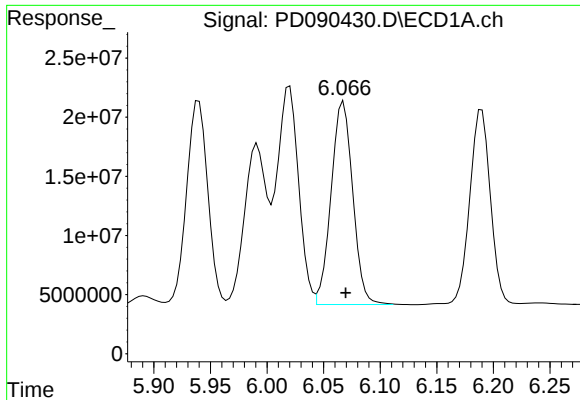
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 228317750
Conc: 39.95 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.001 min
Response: 1647078885
Conc: 44.68 ng/ml



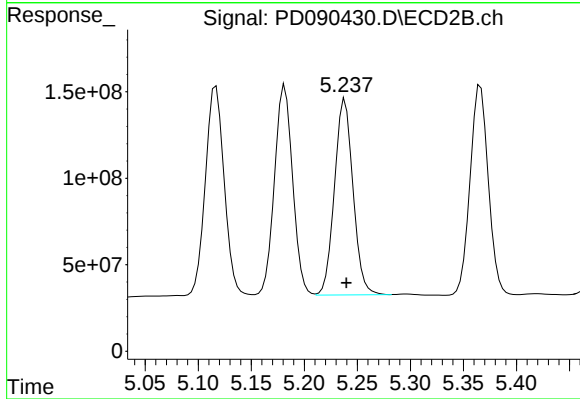
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 227490000
Conc: 42.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

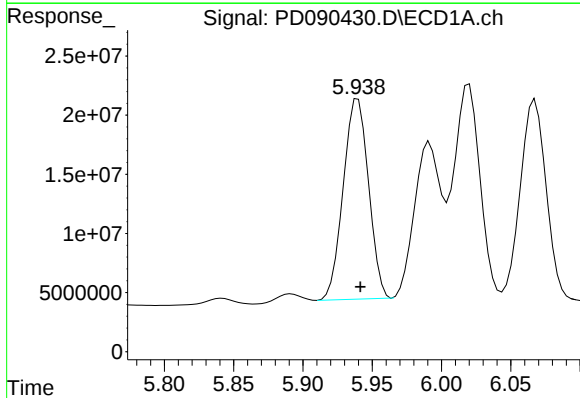
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



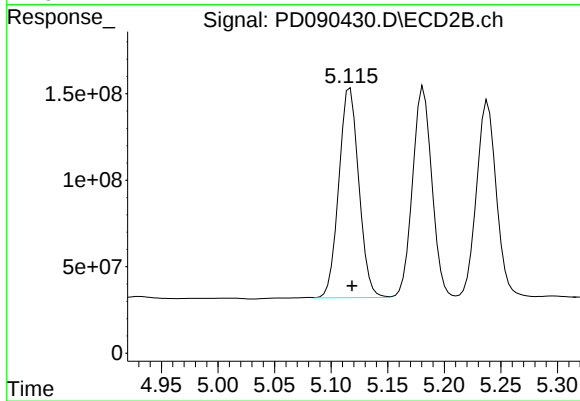
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1379495638
Conc: 39.86 ng/ml



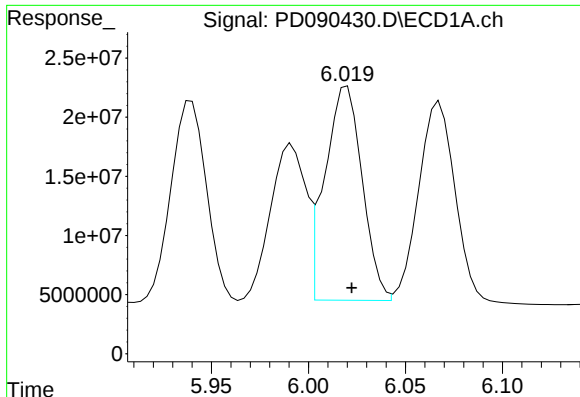
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 215583685
Conc: 37.74 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 1490724633
Conc: 37.95 ng/ml



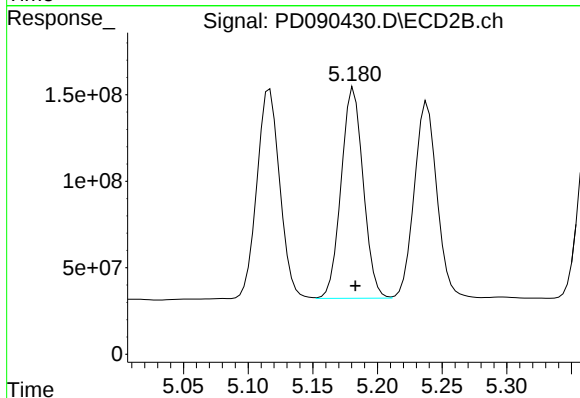
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 235637870
Conc: 40.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

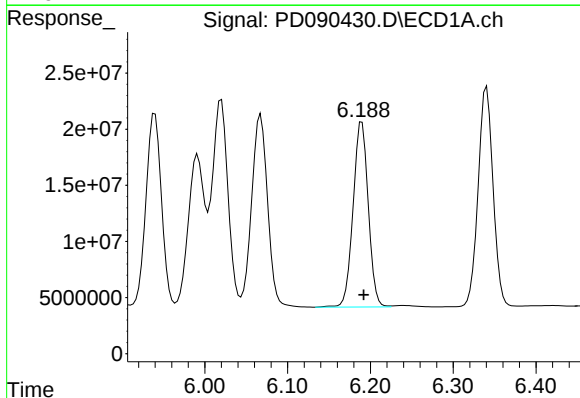
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



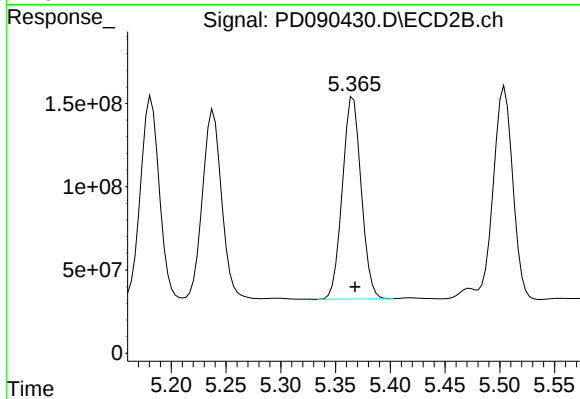
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 1443579880
Conc: 38.33 ng/ml



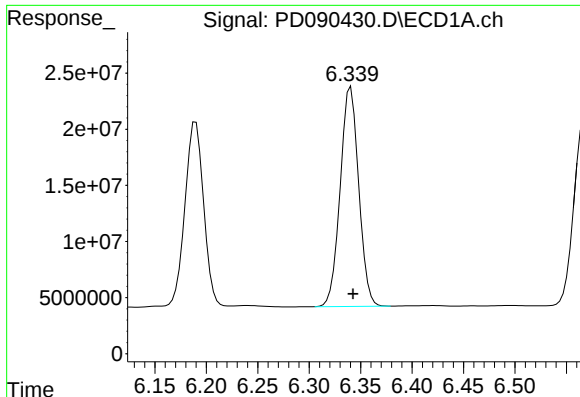
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 210115247
Conc: 40.35 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1454684700
Conc: 38.00 ng/ml



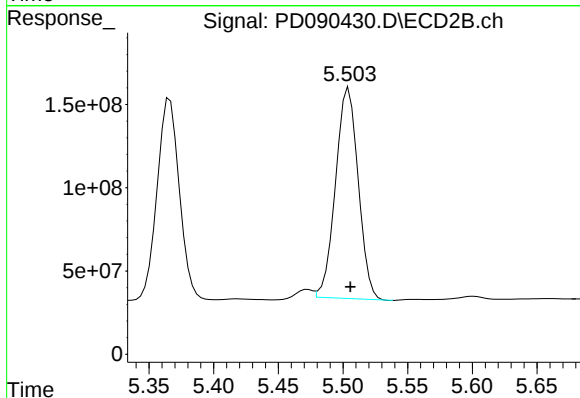
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 244621504
Conc: 42.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

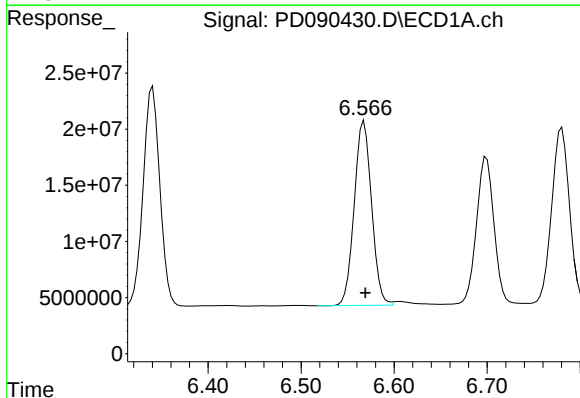
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



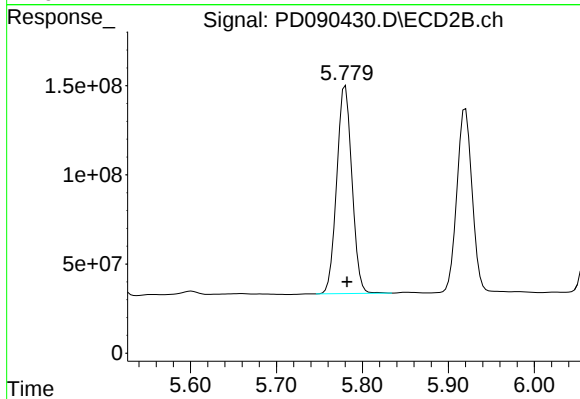
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 1541015297
Conc: 39.57 ng/ml



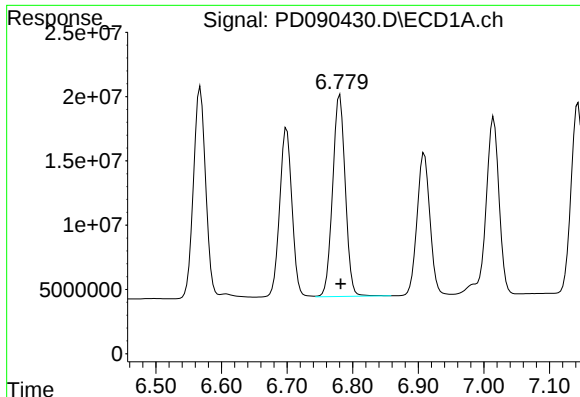
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 212516241
Conc: 43.42 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1428444722
Conc: 39.86 ng/ml



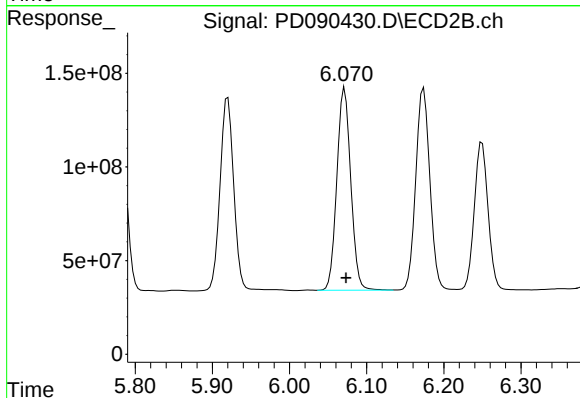
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 210297271
Conc: 43.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

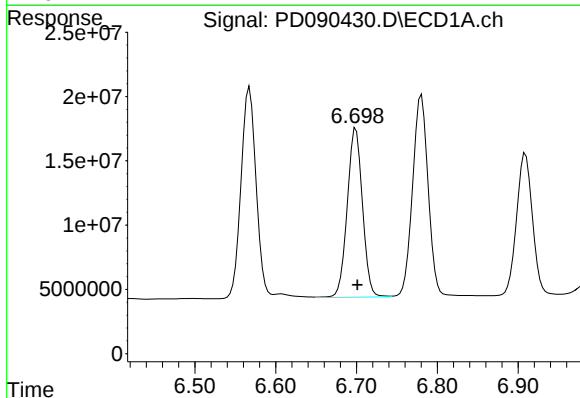
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



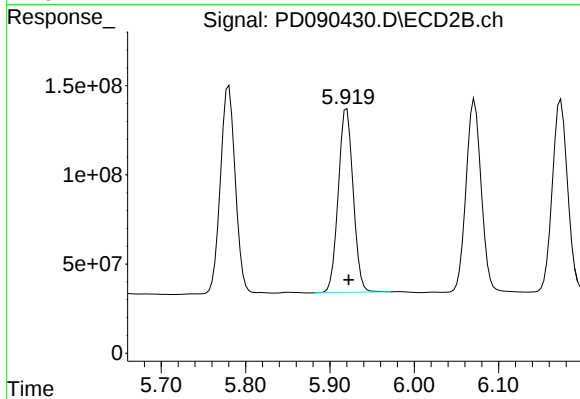
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 1354969501
Conc: 40.15 ng/ml



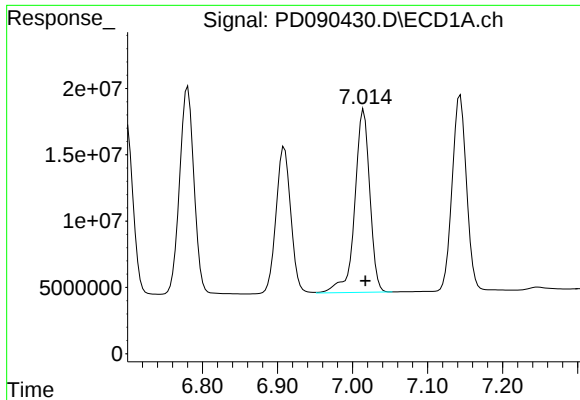
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 172264390
Conc: 42.04 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1263618168
Conc: 38.97 ng/ml



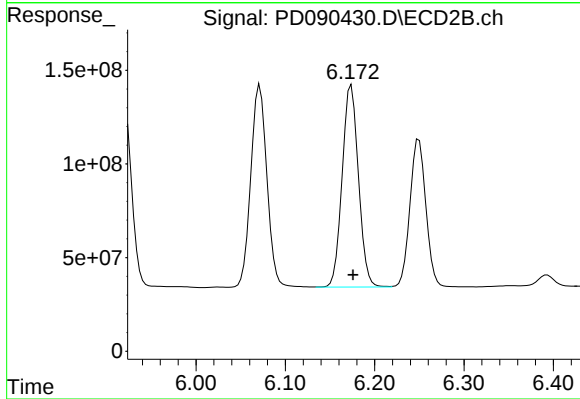
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 192030042
Conc: 43.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

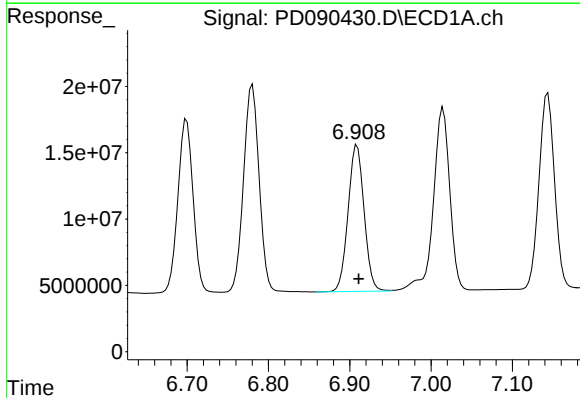
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



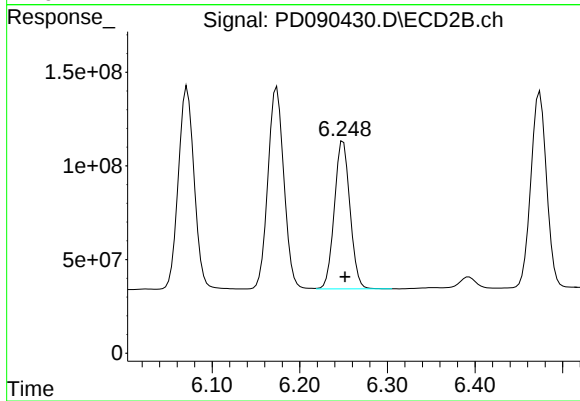
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1365289303
Conc: 39.71 ng/ml



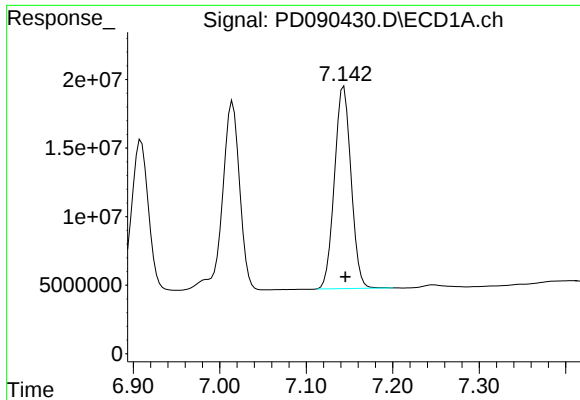
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 150568098
Conc: 43.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 979207769
Conc: 41.59 ng/ml



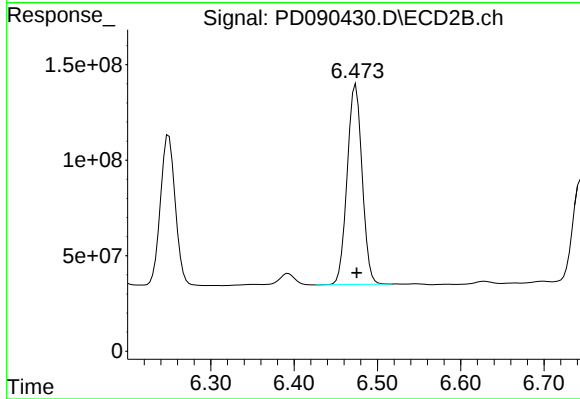
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 195699160
Conc: 42.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

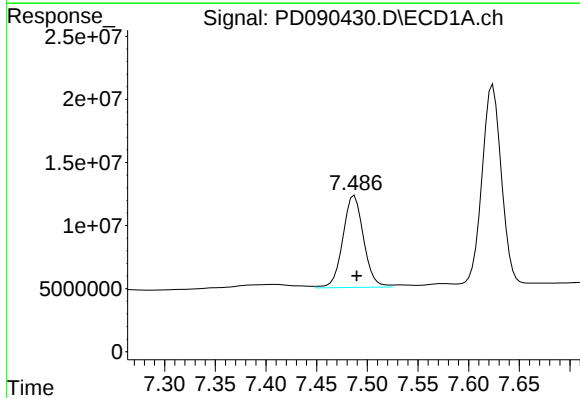
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



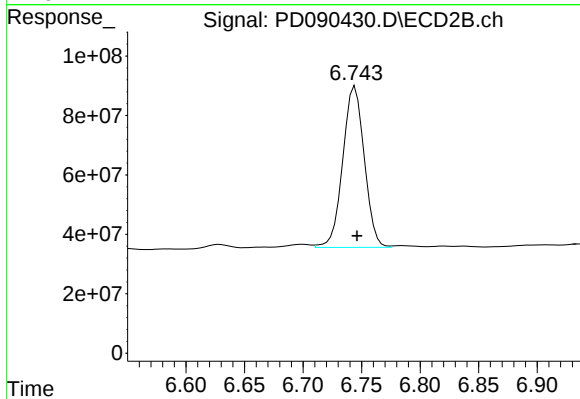
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1302174427
Conc: 39.83 ng/ml



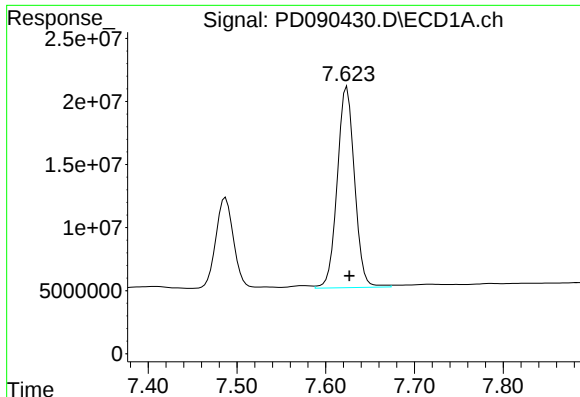
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 103604525
Conc: 43.97 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 694056900
Conc: 39.89 ng/ml



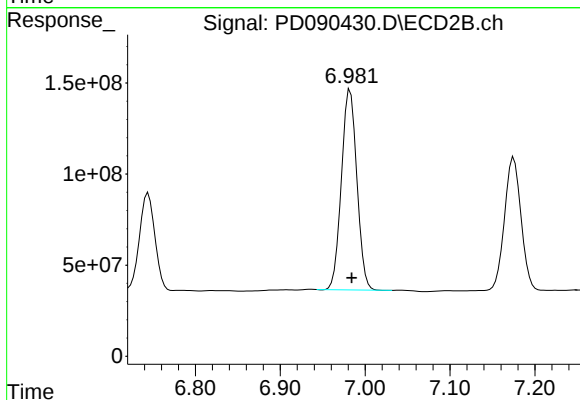
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 215628345
Conc: 43.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

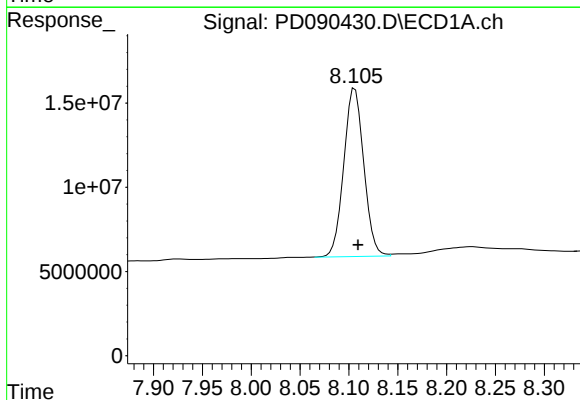
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



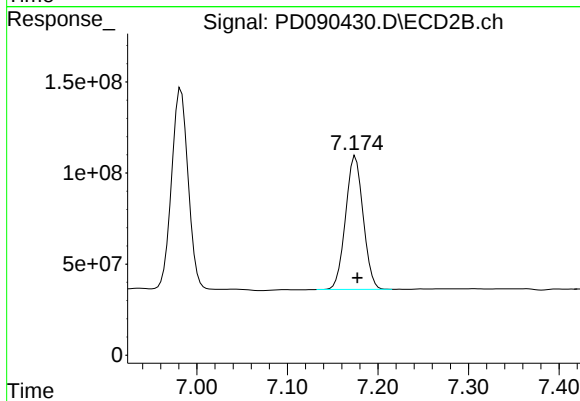
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1389340212
Conc: 38.48 ng/ml



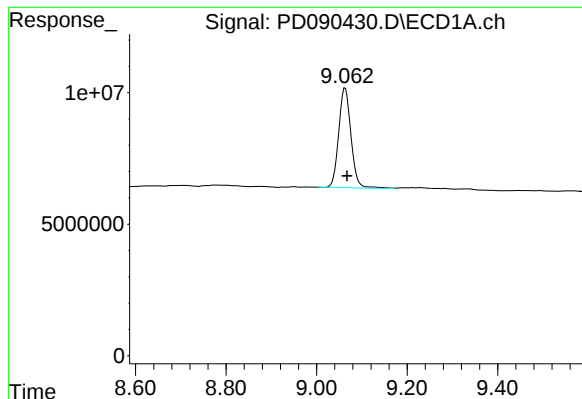
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.005 min
Response: 142598498
Conc: 38.49 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 990021703
Conc: 35.86 ng/ml



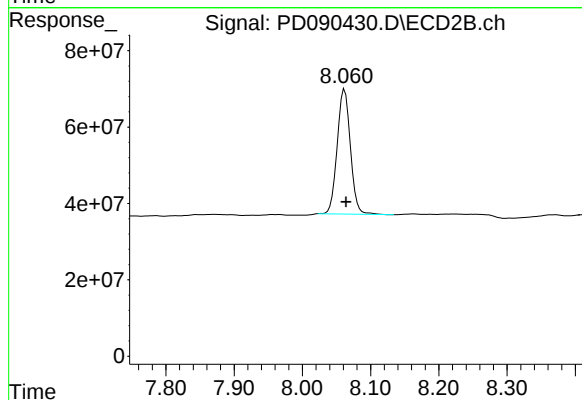
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 71487004
Conc: 14.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
EME-TS14-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 439415485
Conc: 13.56 ng/ml

Manual Integration Report

Sequence:	pd091825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090328.D	4,4"-DDD	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PEM	PD090328.D	Endrin aldehyde	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	4,4"-DDE #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	delta-BHC	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Endrin #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Heptachlor	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Tetrachloro-m-xylene	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICV050	PD090345.D	delta-BHC	Abdul	9/19/2025 9:00:34 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PTOXICV500	PD090347.D	Toxaphene-5	Abdul	9/19/2025 9:00:37 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software

Manual Integration Report

Sequence:	pd092925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PD090416.D	Decachlorobiphenyl	Abdul	9/30/2025 8:41:30 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
I.BLK	PD090416.D	Tetrachloro-m-xylene	Abdul	9/30/2025 8:41:30 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	4,4"-DDD	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	4,4"-DDD #2	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	Endrin aldehyde	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	Endrin ketone	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	Endrin ketone #2	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090417.D	Methoxychlor	Abdul	9/30/2025 8:41:25 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090418.D	4,4"-DDD	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090418.D	alpha-Chlordane	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090418.D	delta-BHC	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090418.D	Endosulfan I	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090418.D	Heptachlor epoxide #2	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software

Manual Integration Report

Sequence:	pd092925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD090418.D	Mirex	Abdul	9/30/2025 8:41:21 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	alpha-Chlordane	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	delta-BHC	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	Endosulfan I	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	Endrin ketone #2	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	Methoxychlor	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PB169882BS	PD090423.D	Mirex	Abdul	9/30/2025 8:41:10 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-01	PD090428.D	Decachlorobiphenyl #2	Abdul	9/30/2025 8:41:03 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-02MS	PD090429.D	alpha-Chlordane	Abdul	9/30/2025 8:41:00 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-02MS	PD090429.D	delta-BHC	Abdul	9/30/2025 8:41:00 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-02MS	PD090429.D	Endosulfan I	Abdul	9/30/2025 8:41:00 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-02MS	PD090429.D	gamma-BHC (Lindane)	Abdul	9/30/2025 8:41:00 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-02MS	PD090429.D	Mirex	Abdul	9/30/2025 8:41:00 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software

Manual Integration Report

Sequence:	pd092925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3179-03MSD	PD090430.D	alpha-Chlordane	Abdul	9/30/2025 8:40:56 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-03MSD	PD090430.D	delta-BHC	Abdul	9/30/2025 8:40:56 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-03MSD	PD090430.D	Endosulfan I	Abdul	9/30/2025 8:40:56 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-03MSD	PD090430.D	gamma-BHC (Lindane)	Abdul	9/30/2025 8:40:56 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
Q3179-03MSD	PD090430.D	Mirex	Abdul	9/30/2025 8:40:56 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090432.D	4,4"-DDD	Abdul	9/30/2025 8:41:49 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090432.D	4,4"-DDD #2	Abdul	9/30/2025 8:41:49 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090432.D	Endrin aldehyde	Abdul	9/30/2025 8:41:49 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090432.D	Endrin ketone	Abdul	9/30/2025 8:41:49 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PEM	PD090432.D	Endrin ketone #2	Abdul	9/30/2025 8:41:49 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090433.D	alpha-Chlordane	Abdul	9/30/2025 8:40:53 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090433.D	delta-BHC	Abdul	9/30/2025 8:40:53 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090433.D	Endosulfan I	Abdul	9/30/2025 8:40:53 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software

Manual Integration Report

Sequence:	pd092925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD090433.D	Mirex	Abdul	9/30/2025 8:40:53 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090445.D	alpha-Chlordane	Abdul	9/30/2025 8:40:19 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090445.D	delta-BHC	Abdul	9/30/2025 8:40:19 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090445.D	Endosulfan I	Abdul	9/30/2025 8:40:19 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software
PSTDCCC050	PD090445.D	Endrin aldehyde	Abdul	9/30/2025 8:40:19 AM	mohammad	10/1/2025 1:41:12	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090326.D	18 Sep 2025 09:36	AR\AJ	Ok
2	I.BLK	PD090327.D	18 Sep 2025 09:49	AR\AJ	Ok
3	PEM	PD090328.D	18 Sep 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD090329.D	18 Sep 2025 10:16	AR\AJ	Ok
5	PSTDICC100	PD090330.D	18 Sep 2025 10:30	AR\AJ	Ok
6	PSTDICC075	PD090331.D	18 Sep 2025 10:43	AR\AJ	Ok
7	PSTDICC050	PD090332.D	18 Sep 2025 10:57	AR\AJ	Ok
8	PSTDICC025	PD090333.D	18 Sep 2025 11:11	AR\AJ	Ok
9	PSTDICC005	PD090334.D	18 Sep 2025 11:24	AR\AJ	Ok,M
10	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38	AR\AJ	Ok
11	PCHLORICC750	PD090336.D	18 Sep 2025 11:51	AR\AJ	Ok
12	PCHLORICC500	PD090337.D	18 Sep 2025 12:05	AR\AJ	Ok
13	PCHLORICC250	PD090338.D	18 Sep 2025 12:18	AR\AJ	Ok
14	PCHLORICC050	PD090339.D	18 Sep 2025 12:32	AR\AJ	Ok,M
15	PTOXICC1000	PD090340.D	18 Sep 2025 12:45	AR\AJ	Ok
16	PTOXICC750	PD090341.D	18 Sep 2025 12:59	AR\AJ	Ok
17	PTOXICC500	PD090342.D	18 Sep 2025 13:12	AR\AJ	Ok
18	PTOXICC250	PD090343.D	18 Sep 2025 13:26	AR\AJ	Ok
19	PTOXICC100	PD090344.D	18 Sep 2025 13:40	AR\AJ	Ok
20	PSTDICV050	PD090345.D	18 Sep 2025 13:53	AR\AJ	Ok,M
21	PCHLORICV500	PD090346.D	18 Sep 2025 14:07	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PD090347.D	18 Sep 2025 15:21	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092925

Review By	Abdul	Review On	9/30/2025 8:42:12 AM
Supervise By	mohammad	Supervise On	10/1/2025 1:41:12 AM
SubDirectory	PD092925	HP Acquire Method	HP Processing Method PD091825
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090415.D	29 Sep 2025 10:45	AR\AJ	Ok
2	I.BLK	PD090416.D	29 Sep 2025 11:15	AR\AJ	Ok,M
3	PEM	PD090417.D	29 Sep 2025 11:29	AR\AJ	Ok,M
4	PSTDCCC050	PD090418.D	29 Sep 2025 14:24	AR\AJ	Ok,M
5	PB169830BL	PD090419.D	29 Sep 2025 14:44	AR\AJ	Ok
6	PB169830BS	PD090420.D	29 Sep 2025 15:59	AR\AJ	Ok,M
7	PB169830BSD	PD090421.D	29 Sep 2025 16:20	AR\AJ	Not Ok
8	PB169882BL	PD090422.D	29 Sep 2025 17:24	AR\AJ	Ok
9	PB169882BS	PD090423.D	29 Sep 2025 17:37	AR\AJ	Ok,M
10	PB169882TB	PD090424.D	29 Sep 2025 17:51	AR\AJ	Ok
11	Q3177-01	PD090425.D	29 Sep 2025 18:05	AR\AJ	Ok
12	Q3177-02	PD090426.D	29 Sep 2025 18:18	AR\AJ	Ok,M
13	Q3177-03	PD090427.D	29 Sep 2025 18:32	AR\AJ	Ok
14	Q3179-01	PD090428.D	29 Sep 2025 18:46	AR\AJ	Ok,M
15	Q3179-02MS	PD090429.D	29 Sep 2025 18:59	AR\AJ	Ok,M
16	Q3179-03MSD	PD090430.D	29 Sep 2025 19:13	AR\AJ	Ok,M
17	I.BLK	PD090431.D	29 Sep 2025 19:27	AR\AJ	Ok
18	PEM	PD090432.D	29 Sep 2025 19:40	AR\AJ	Ok,M
19	PSTDCCC050	PD090433.D	29 Sep 2025 19:54	AR\AJ	Ok,M
20	PB169874BL	PD090434.D	29 Sep 2025 20:35	AR\AJ	Ok
21	PB169874BS	PD090435.D	29 Sep 2025 20:49	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092925

Review By	Abdul	Review On	9/30/2025 8:42:12 AM
Supervise By	mohammad	Supervise On	10/1/2025 1:41:12 AM
SubDirectory	PD092925	HP Acquire Method	HP Processing Method PD091825
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PB169840TB	PD090436.D	29 Sep 2025 21:02	AR\AJ	Ok
23	Q3181-03	PD090437.D	29 Sep 2025 21:16	AR\AJ	Ok,M
24	Q3181-03MS	PD090438.D	29 Sep 2025 21:30	AR\AJ	Ok,M
25	Q3181-03MSD	PD090439.D	29 Sep 2025 21:43	AR\AJ	Ok,M
26	Q3181-07	PD090440.D	29 Sep 2025 21:57	AR\AJ	Ok,M
27	Q3181-11	PD090441.D	29 Sep 2025 22:11	AR\AJ	Ok,M
28	Q3208-06	PD090442.D	29 Sep 2025 22:25	AR\AJ	Ok,M
29	Q3208-12	PD090443.D	29 Sep 2025 22:38	AR\AJ	Ok,M
30	I.BLK	PD090444.D	29 Sep 2025 22:52	AR\AJ	Ok
31	PSTDCCC050	PD090445.D	29 Sep 2025 23:19	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,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	PD090326.D	18 Sep 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD090327.D	18 Sep 2025 09:49		AR\AJ	Ok
3	PEM	PEM	PD090328.D	18 Sep 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090329.D	18 Sep 2025 10:16		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD090330.D	18 Sep 2025 10:30		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090331.D	18 Sep 2025 10:43		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090332.D	18 Sep 2025 10:57		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090333.D	18 Sep 2025 11:11		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090334.D	18 Sep 2025 11:24		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090336.D	18 Sep 2025 11:51		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090337.D	18 Sep 2025 12:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090338.D	18 Sep 2025 12:18		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090339.D	18 Sep 2025 12:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090340.D	18 Sep 2025 12:45		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090341.D	18 Sep 2025 12:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090342.D	18 Sep 2025 13:12		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090343.D	18 Sep 2025 13:26		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090344.D	18 Sep 2025 13:40		AR\AJ	Ok
20	PSTDICV050	ICVPD091825	PD090345.D	18 Sep 2025 13:53		AR\AJ	Ok,M
21	PCHLORICV500	ICVPD091825CHLOR	PD090346.D	18 Sep 2025 14:07		AR\AJ	Ok
22	PTOXICV500	ICVPD091825TOX	PD090347.D	18 Sep 2025 15:21		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092925

Review By	Abdul	Review On	9/30/2025 8:42:12 AM
Supervise By	mohammad	Supervise On	10/1/2025 1:41:12 AM
SubDirectory	PD092925	HP Acquire Method	HP Processing Method PD091825

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090415.D	29 Sep 2025 10:45		AR\AJ	Ok
2	I.BLK	I.BLK	PD090416.D	29 Sep 2025 11:15		AR\AJ	Ok,M
3	PEM	PEM	PD090417.D	29 Sep 2025 11:29		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090418.D	29 Sep 2025 14:24		AR\AJ	Ok,M
5	PB169830BL	PB169830BL	PD090419.D	29 Sep 2025 14:44		AR\AJ	Ok
6	PB169830BS	PB169830BS	PD090420.D	29 Sep 2025 15:59		AR\AJ	Ok,M
7	PB169830BSD	PB169830BSD	PD090421.D	29 Sep 2025 16:20	Methoxychlor recovery fail	AR\AJ	Not Ok
8	PB169882BL	PB169882BL	PD090422.D	29 Sep 2025 17:24		AR\AJ	Ok
9	PB169882BS	PB169882BS	PD090423.D	29 Sep 2025 17:37		AR\AJ	Ok,M
10	PB169882TB	PB169882TB	PD090424.D	29 Sep 2025 17:51		AR\AJ	Ok
11	Q3177-01	EME-TS12-01	PD090425.D	29 Sep 2025 18:05		AR\AJ	Ok
12	Q3177-02	EME-TS13-01	PD090426.D	29 Sep 2025 18:18		AR\AJ	Ok,M
13	Q3177-03	EME-TS14-02	PD090427.D	29 Sep 2025 18:32		AR\AJ	Ok
14	Q3179-01	EME-TS14-01	PD090428.D	29 Sep 2025 18:46		AR\AJ	Ok,M
15	Q3179-02MS	EME-TS14-01MS	PD090429.D	29 Sep 2025 18:59		AR\AJ	Ok,M
16	Q3179-03MSD	EME-TS14-01MSD	PD090430.D	29 Sep 2025 19:13		AR\AJ	Ok,M
17	I.BLK	I.BLK	PD090431.D	29 Sep 2025 19:27		AR\AJ	Ok
18	PEM	PEM	PD090432.D	29 Sep 2025 19:40		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092925

Review By	Abdul	Review On	9/30/2025 8:42:12 AM
Supervise By	mohammad	Supervise On	10/1/2025 1:41:12 AM
SubDirectory	PD092925	HP Acquire Method	HP Processing Method PD091825
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PSTDCCC050	PSTDCCC050	PD090433.D	29 Sep 2025 19:54		AR\AJ	Ok,M
20	PB169874BL	PB169874BL	PD090434.D	29 Sep 2025 20:35		AR\AJ	Ok
21	PB169874BS	PB169874BS	PD090435.D	29 Sep 2025 20:49	Methoxychlor recovery fail	AR\AJ	Not Ok
22	PB169840TB	PB169840TB	PD090436.D	29 Sep 2025 21:02		AR\AJ	Ok
23	Q3181-03	WC-A3-01-C	PD090437.D	29 Sep 2025 21:16		AR\AJ	Ok,M
24	Q3181-03MS	WC-A3-01-CMS	PD090438.D	29 Sep 2025 21:30	Heptachlor epoxide recovery fail	AR\AJ	Ok,M
25	Q3181-03MSD	WC-A3-01-CMSD	PD090439.D	29 Sep 2025 21:43	Heptachlor epoxide recovery fail	AR\AJ	Ok,M
26	Q3181-07	WC-A3-02-C	PD090440.D	29 Sep 2025 21:57		AR\AJ	Ok,M
27	Q3181-11	WC-A3-03-C	PD090441.D	29 Sep 2025 22:11		AR\AJ	Ok,M
28	Q3208-06	SU-ESM-COMP-01	PD090442.D	29 Sep 2025 22:25		AR\AJ	Ok,M
29	Q3208-12	SU-ESM-COMP-02	PD090443.D	29 Sep 2025 22:38		AR\AJ	Ok,M
30	I.BLK	I.BLK	PD090444.D	29 Sep 2025 22:52		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PD090445.D	29 Sep 2025 23:19		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1312-SPLP-10
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-2
TCLP Filter ID : 40819719

Start Prep Date : 09/24/2025 Time : 14:30
End Prep Date : 09/25/2025 Time : 08:10
Combination Ratio : 20
ZHE Cleaning Batch : N/A 71
Initial Room Temperature: 24 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *JP*
Supervisor By : *12*

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	WP114530	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked,30 rpm. Matrix spikes are added after filtration and before preservation.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/25/25 10:00	<i>JP</i> / TCY 120 cm	<i>SKJ.</i> RJ 1E-X
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep. Pos
PB169818TB	LEB818	15	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q3177-01	EME-TS12-01	11	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q3177-02	EME-TS13-01	12	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q3177-03	EME-TS14-02	13	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q3179-01	EME-TS14-01	14	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q3179-02	EME-TS14-01MS	14	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q3179-03	EME-TS14-01MSD	14	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169818TB	LEB818	N/A	N/A	N/A	N/A	N/A	N/A
Q3177-01	EME-TS12-01	N/A	N/A	N/A	N/A	100	N/A
Q3177-02	EME-TS13-01	N/A	N/A	N/A	N/A	100	N/A
Q3177-03	EME-TS14-02	N/A	N/A	N/A	N/A	100	N/A
Q3179-01	EME-TS14-01	N/A	N/A	N/A	N/A	100	N/A
Q3179-02	EME-TS14-01MS	N/A	N/A	N/A	N/A	100	N/A
Q3179-03	EME-TS14-01MSD	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169818TB	LEB818	N/A	N/A	N/A	N/A	#1	4.24
Q3177-01	EME-TS12-01	N/A	N/A	N/A	N/A	#1	4.24
Q3177-02	EME-TS13-01	N/A	N/A	N/A	N/A	#1	4.24
Q3177-03	EME-TS14-02	N/A	N/A	N/A	N/A	#1	4.24
Q3179-01	EME-TS14-01	N/A	N/A	N/A	N/A	#1	4.24
Q3179-02	EME-TS14-01MS	N/A	N/A	N/A	N/A	#1	4.24
Q3179-03	EME-TS14-01MSD	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : splp q3177

WorkList ID : 192051

Department : TCLP Extraction

Date : 09-24-2025 13:40:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3177-01	EME-TS12-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J23	09/23/2025	1312
Q3177-02	EME-TS13-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J23	09/23/2025	1312
Q3177-03	EME-TS14-02	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J23	09/23/2025	1312
Q3179-01	EME-TS14-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J42	09/23/2025	1312
Q3179-02	EME-TS14-01MS	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J42	09/23/2025	1312
Q3179-03	EME-TS14-01MSD	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	J42	09/23/2025	1312

Date/Time 09/24/25 13:45
Raw Sample Received by: JR WRC
Raw Sample Relinquished by: JTCM

Date/Time 09/24/25 16:00
Raw Sample Received by: JTCM
Raw Sample Relinquished by: JR WRC

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A **Extraction By:** RJ

Balance check: N/A **Filter By:** RJ

Balance ID: N/A **pH Meter ID:** N/A

pH Strlp Lot#: E3953 **Hood ID:** 3,7

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 09/29/2025

Extraction Start Time : 09:45

Extraction End Date : 09/29/2025

Extraction End Time : 14:10

Concentration By: EH

Supervisor By : ritesh

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
Methylene Chloride	N/A	E3973
Baked Na2SO4	N/A	EP2646
Hexane	N/A	E3974
N/A	N/A	N/A
N/A	N/A	N/A
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: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

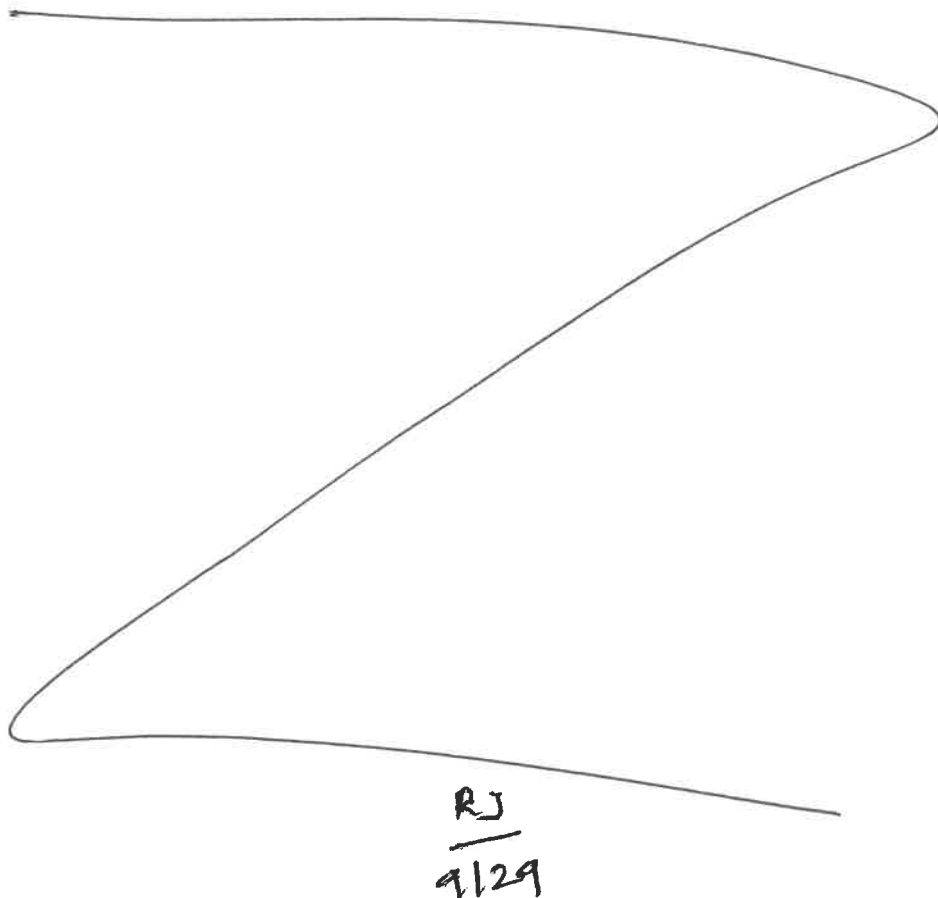
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/29/25	RJ (Ext-126)	Y-PESHIP
14:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 09/29/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169882BL	PBLK882	SPLP Pesticide	1000	6	ritesh	Evelyn	1			SEP-9
PB169882BS	PLCS882	SPLP Pesticide	1000	6	ritesh	Evelyn	1			10
PB169882TB	PB169882TB	SPLP Pesticide	1000	6	ritesh	Evelyn	1			11
Q3177-01	EME-TS12-01	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		12
Q3177-02	EME-TS13-01	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		13
Q3177-03	EME-TS14-02	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		14
Q3179-01	EME-TS14-01	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		15
Q3179-02	EME-TS14-01MS	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		16
Q3179-03	EME-TS14-01MSD	SPLP Pesticide	1000	6	ritesh	Evelyn	1	A		17



RJ
9/29

* Extracts relinquished on the same date as received.

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prefer Pos
PB169818TB	LEB818	15	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q3177-01	EME-TS12-01	11	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q3177-02	EME-TS13-01	12	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q3177-03	EME-TS14-02	13	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q3179-01	EME-TS14-01	14	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q3179-02	EME-TS14-01MS	14	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q3179-03	EME-TS14-01MSD	14	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2

6/9/25/25
10:00

Prep Standard - Chemical Standard Summary

Order ID : Q3179
Test : SPLP Pesticide
Prepbatch ID : PB169882,
Sequence ID/Qc Batch ID: pd092925,

Standard ID :

EP2646,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,P
P24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,P
P24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24805,PP24890,

Chemical ID :

E3875,E3941,E3944,E3955,E3956,E3962,E3973,E3974,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13
786,P13788,P13789,P13862,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>
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 09/26/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	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

<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

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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	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

<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

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	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24890	08/20/2025	02/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/17/2025

FROM 99.90000ml of E3962 + 0.10000ml of PP24805 = 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-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

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	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	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	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

CHEMICAL RECEIPT LOG BOOK

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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 3974

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Recd. by RI on 6/11/25

Harout Sahagian - Quality Control Manager - Fair Lawn

E 3941

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

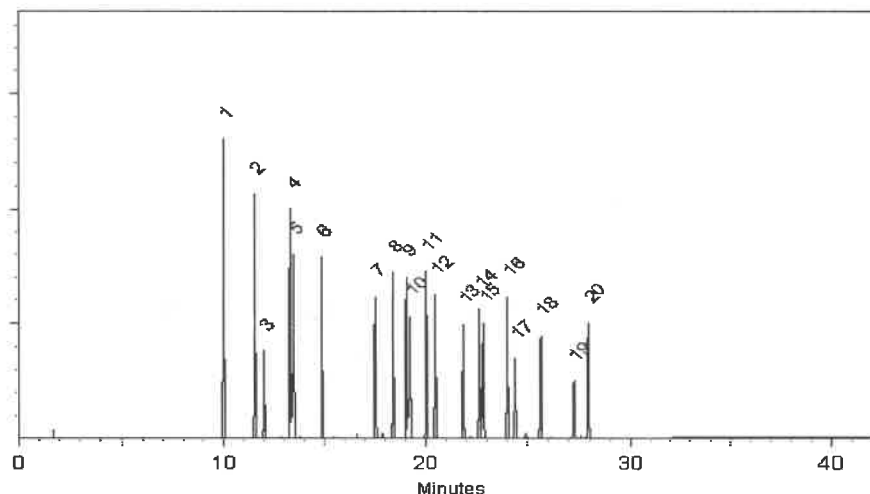
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

Solvent(s):	Lot#
Acetone	81025

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. Renteria	042022

Reviewed By:

Pedro L. Rentas

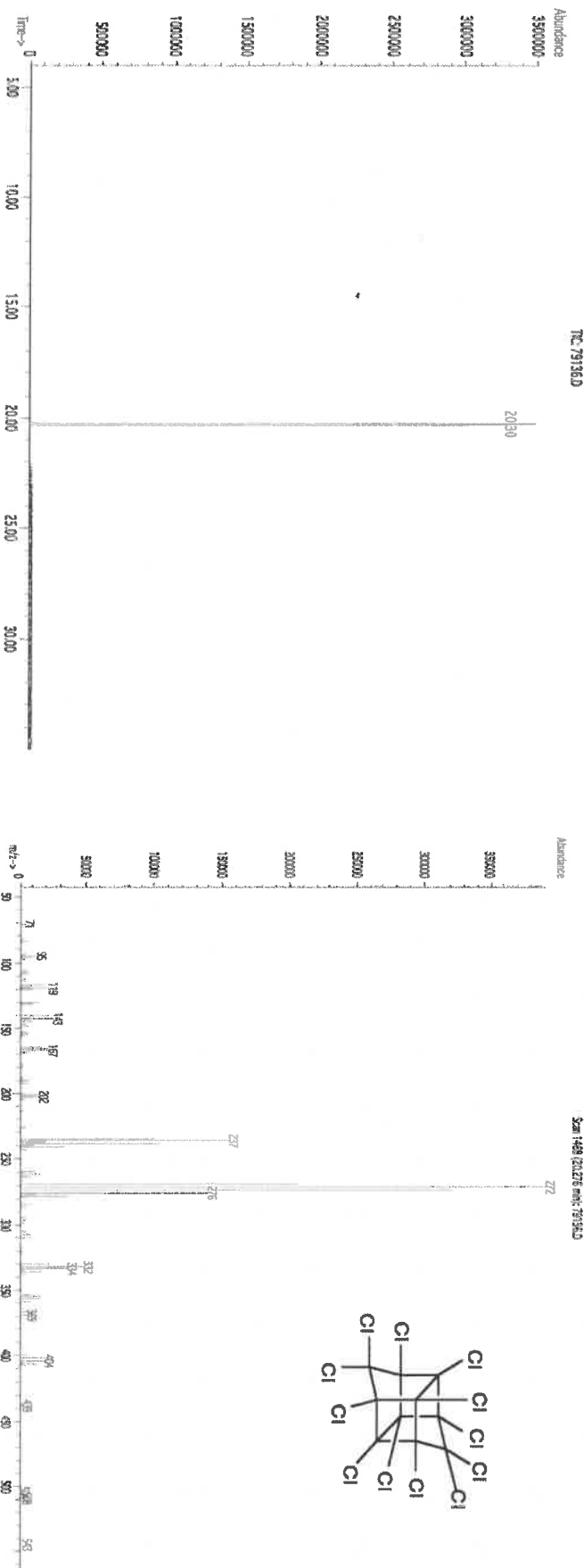
042022
DATE

SDS Information

[illegible]

1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85.5	N/A	oil-rat 306mg/kg
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Method GC/MSD-1.M; Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



• The certified values are concentration calculated from gravimetric and volumetric measurements unless otherwise stated.

- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

• Uncertainty Reference: Taylor, B.N. and Kuyatt, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

$P_{13} | 95$
 $\downarrow$
 $P_{13} | 99$
 $\downarrow$
 (5)
 $|$

01/17/2024
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3/3/19
5/5/19
5



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
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P 12605
[3]
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

* 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:

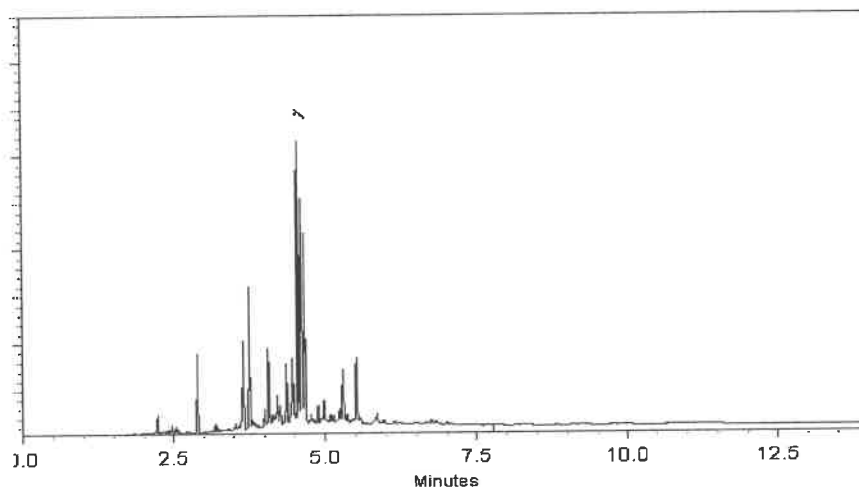
ECD

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

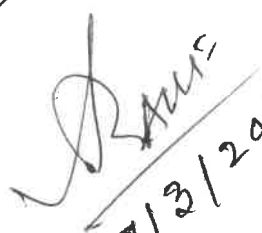
Date Mixed: 11-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** 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:

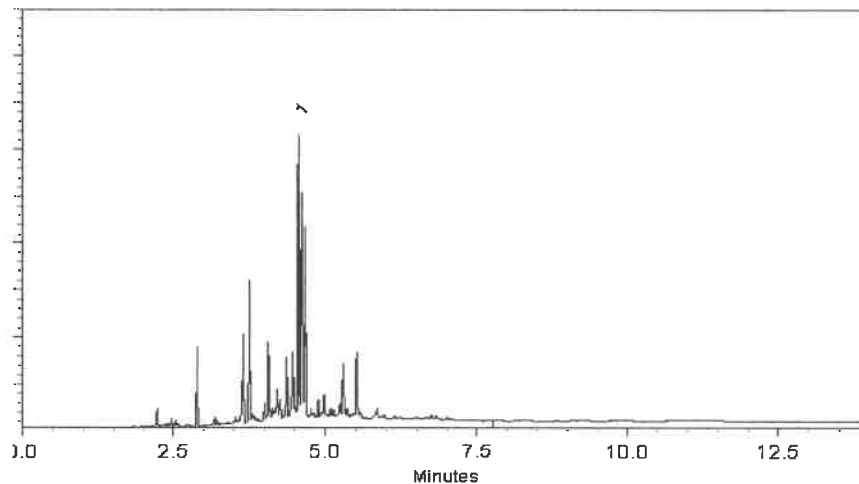
ECD

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



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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.)

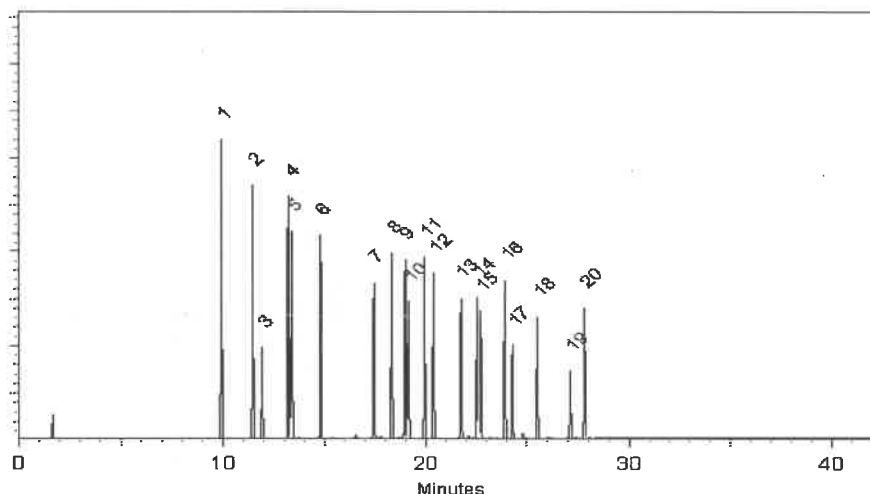
Inj. Temp:
200°C

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

336 of 351

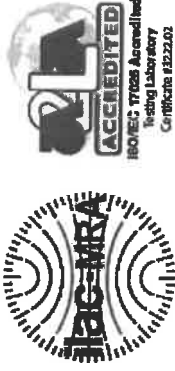
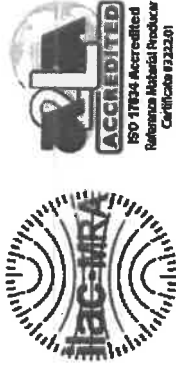


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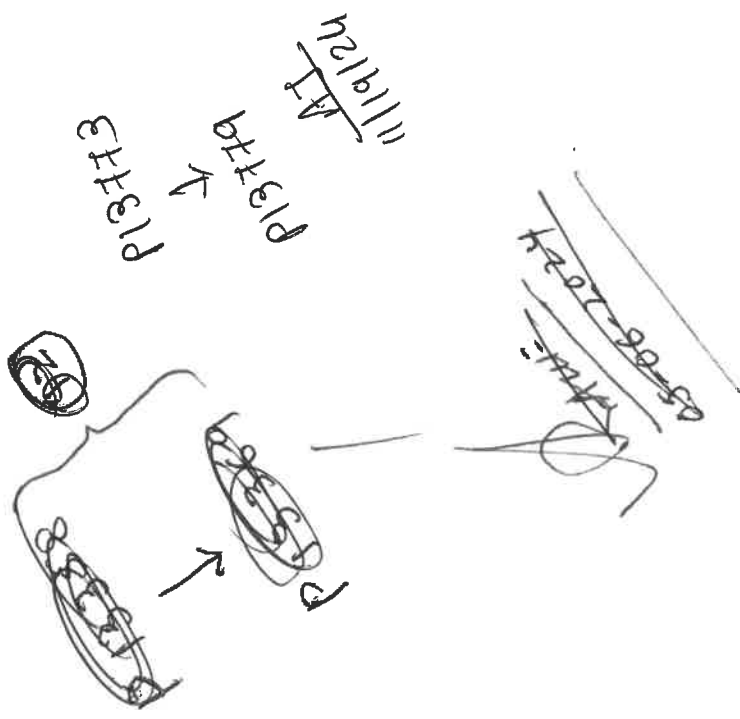
FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.
This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. :	32005	Lot No.:	A0203038
Description :	Toxaphene Standard		
	Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul		
Container Size :	2 mL	Pkg Amt:	> 1 mL
Expiration Date :	January 31, 2028	Storage:	10°C or colder
		Ship:	Ambient

CERTIFIED VALUES						
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

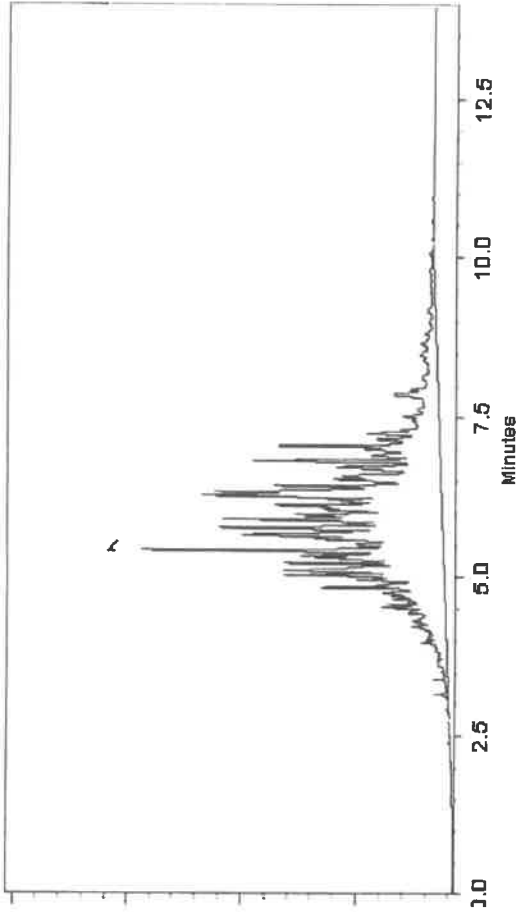
* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%



Quality Confirmation Test

Column:
30m x .25mm x .2um
DBX-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
0.2ul



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

(Handwritten notes and signatures)
P13773
P19779
A7
11/19/24
10-50
10-50



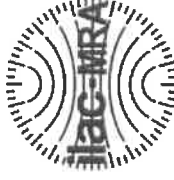
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000

Lot No.: A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : October 31, 2030

Storage: 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

Ship: Ambient

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone

CAS # 67-64-1

Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
DB30m 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.)

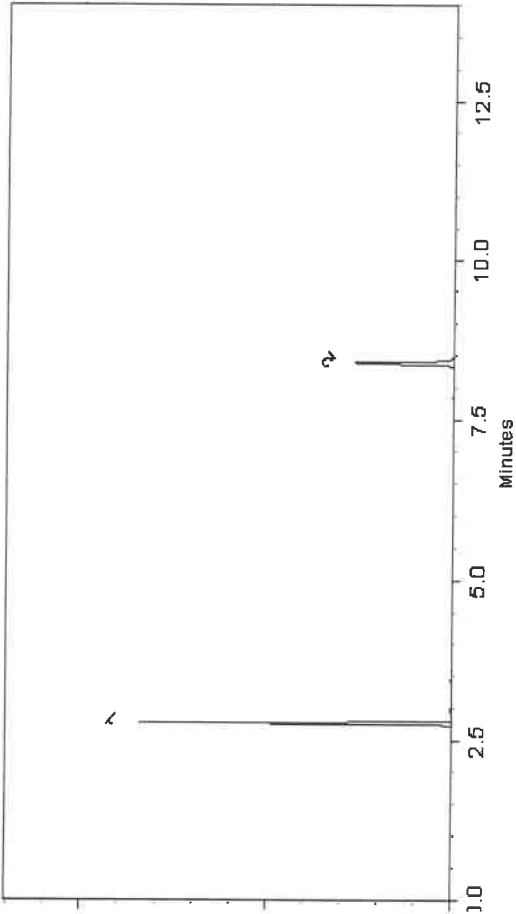
Inj. Temp:
250°C

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.

Aaron Enyart
Aaron Enyart - Operations Tech I

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



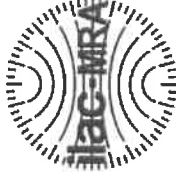
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000

Lot No.: 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:
DB30m 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.)

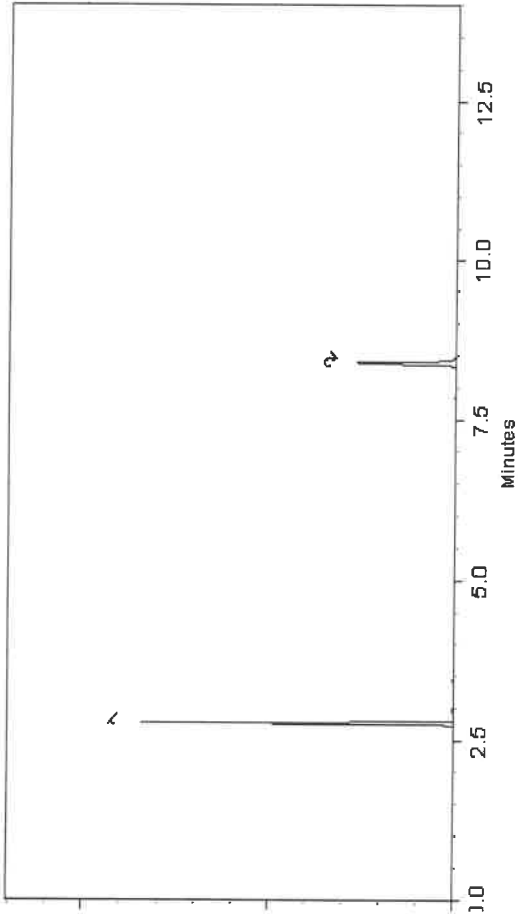
Inj. Temp:
250°C

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
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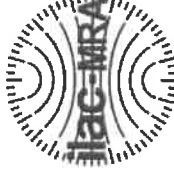
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent:

Acetone

CAS # 67-64-1

Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
DB30m 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.)

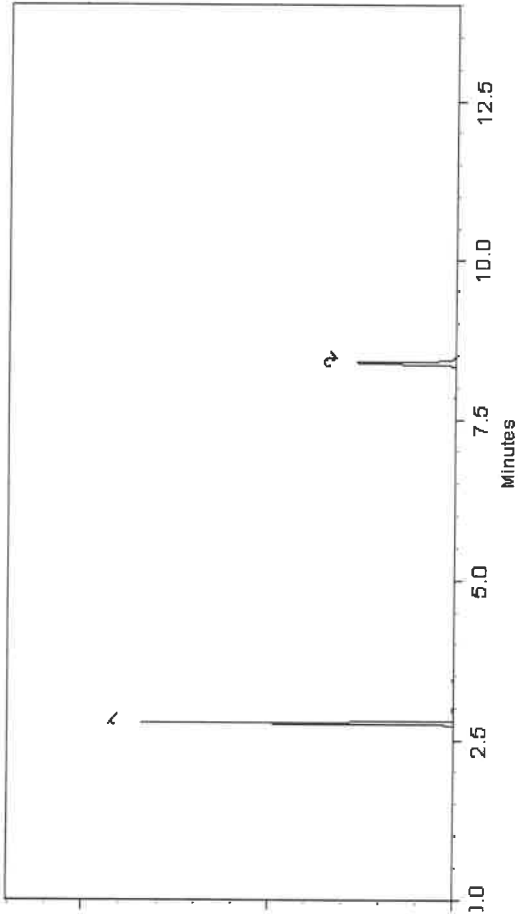
Inj. Temp:
250°C

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
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

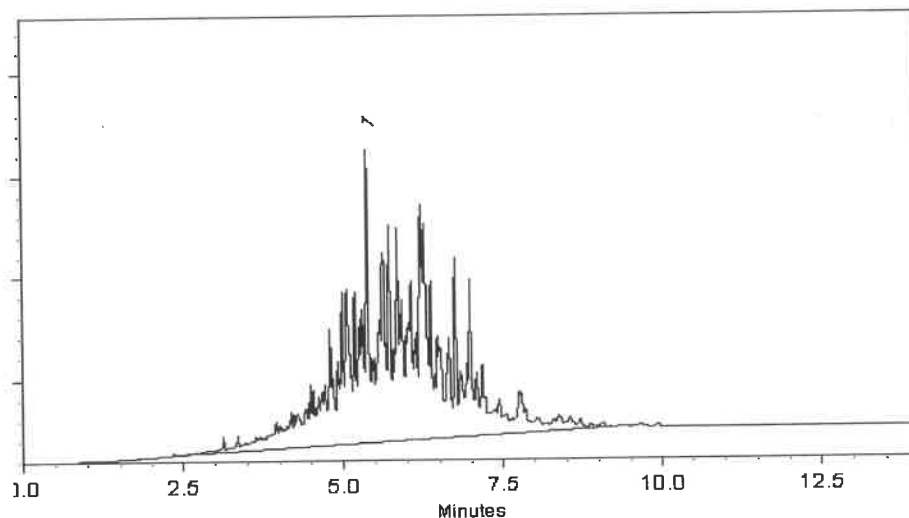
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

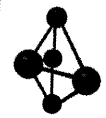

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }
↑

12/9/2024



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

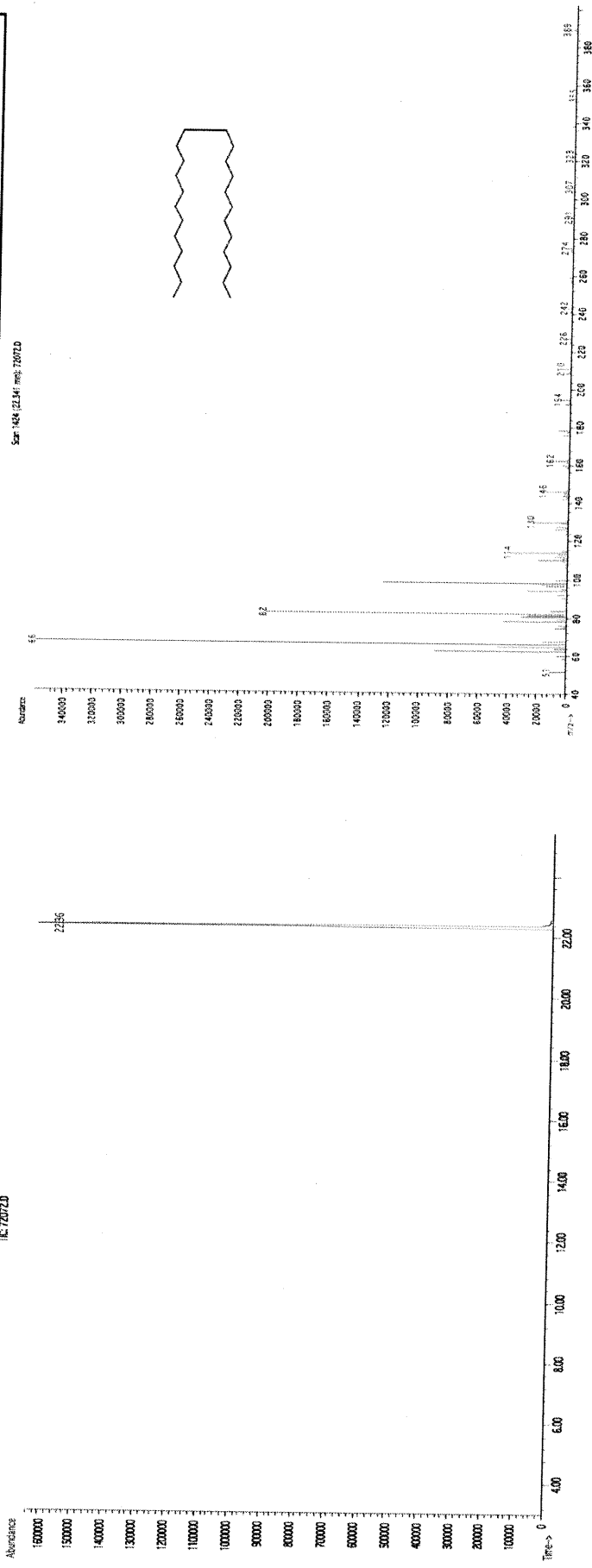
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

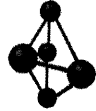
Formulated By: Prashant Chauhan 112018 DATE
Reviewed By: Pedro Rentas 112018 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

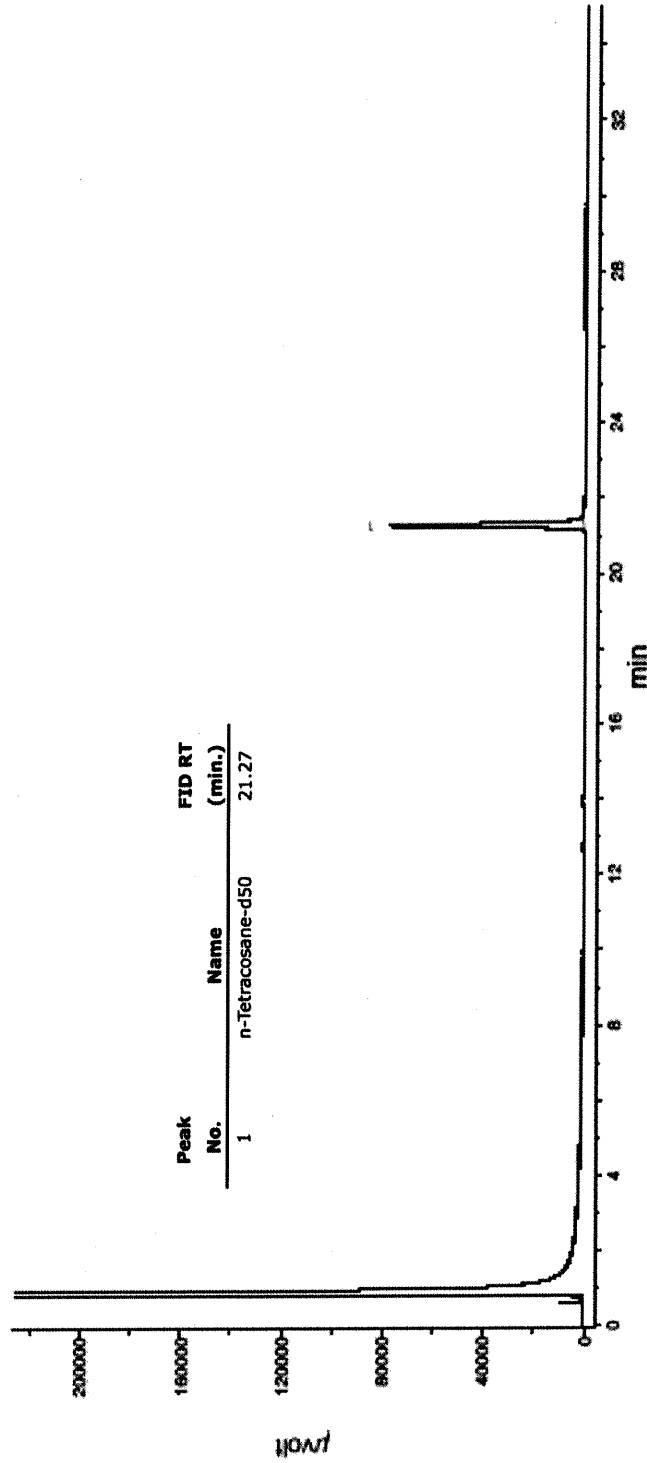


Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, 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

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USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

Contact Phone: 732-570-4993

No: 2-092325-0004-0049-02

Cooler #: 2 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
7	EME-TS14-01	TAL VOCs,	Soil	9/23/2025	12:45	9	5 g Encore sampler	4 C	Y
6	EME-TS14-01	EPH	Soil	9/23/2025	12:45	2	4 oz glass jar	4 C	Y
6	EME-TS14-01	SPLP VOCs	Soil	9/23/2025	12:45	9	5 g Encore sampler	4 C	Y
8	EME-TS14-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:45	4	8 oz amber glass jar	4 C	Y
5	EME-TS14-01	SPLP EPH	Soil	9/23/2025	12:45	2	4 oz glass jar	4 C	Y
5	EME-TS14-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:45	2	8 oz clear glass jar	4 C	Y
	EME-TS14-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:45	2	8 oz clear glass jar	4 C	Y
	EME-TS14-01	Percent Moisture	Soil	9/23/2025	12:45	2	4 oz jar w/ septum	4 C	Y
	EME-TS14-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:45	4	8 oz amber glass jar	4 C	Y
									

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com. 7 day preliminary TAT.

SAMPLES TRANSFERRED FROM	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
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87	88
89	90
91	92
93	94
95	96
97	98
99	100

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	 / START VI Weston	9/23/25 1700		9-23-25 1700	1.3°C IR Gun #1 custody seals intact Temp. Bill present

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