

Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q1872-01
Q1872-02
Q1872-03
Q1872-04
Q1872-05
Q1872-06
Q1872-07
Q1872-08
Q1872-09
Q1872-10
Q1872-11
Q1872-12
Q1872-13
Q1872-14
Q1872-15
Q1872-16
Q1872-17
Q1872-18
Q1872-19
Q1872-20
Q1872-21
Q1872-22
Q1872-23
Q1872-24
Q1872-25

Client Sample Number

HW0425-PT-AN-SOIL
HW0425-PT-CORR-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-FP-SOIL
HW0425-PT-CR6-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-OGR-SOIL
HW0425-PT-MET-SOIL
HW0425-PT-BNA-SOIL
HW0425-PT-TRIAZINE-SOIL
HW0425-PT-PAH-SOIL
HW0425-PT-DIES-SOIL
HW0425-PT-GAS-SOIL
HW0425-PT-NJEPH-SOIL
HW0425-PT-HERB-SOIL
HW0425-PT-PCB-SOIL
HW0425-PT-PCBO-SOIL
HW0425-PT-PEST-SOIL
HW0425-PT-CHLR-SOIL
HW0425-PT-TXP-SOIL
HW0425-PT-VOA-SOIL
HW0425-PT-SOL-SOIL
HW0425-PT-NO2-SOIL

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: 6/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Soil PT

Project # N/A

Order ID # Q1872

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 04/24/2025.

1 Solid sample was received on 04/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of PESTICIDE Group1s was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q2109-01MS} with File ID: PL095789.D recoveries met the requirements for all compounds except for [beta-BHC(1)-48%]and[beta-BHC(2)-87%] due to matrix interference.

The MSD {Q2109-01MSD} with File ID: PL095790.D recoveries met the acceptable requirements except for [beta-BHC(1)-52%]and[beta-BHC(2)-88%] due to matrix interference.

The RPD for {Q2109-01MSD} with File ID: PL095790.D met criteria except for [Mirex(1)-62%] due to difference in results of MS and MSD.



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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 .

Sample HW0425-PT-PEST-SOIL was diluted due to high concentration.

E. Additional Comments:

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

F. Manual Integration Comments:

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

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

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: Q1872

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 {Q2109-01MS} with File ID: PL095789.D recoveries met the requirements for all compounds except for [beta-BHC(1)-48%]and[beta-BHC(2)-87%] due to matrix interference. The MSD {Q2109-01MSD} with File ID: PL095790.D recoveries met the acceptable requirements except for [beta-BHC(1)-52%]and[beta-BHC(2)-88%] due to matrix interference. The Blank Spike met requirements for all samples . The RPD for {Q2109-01MSD} with File ID: PL095790.D met criteria except for [Mirex(1)-62%] due to difference in results of MS and MSD.		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
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.			
The Holding Times were met for all analysis.			

ADDITIONAL COMMENTS:

Sample HW0425-PT-PEST-SOIL was diluted due to high concentration.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/23/2025

LAB CHRONICLE

OrderID:	Q1872	OrderDate:	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-14	HW0425-PT-DIES-SOIL	SOIL			04/25/25			04/28/25
	L		Diesel Range Organics	8015D		05/13/25	05/13/25	
Q1872-15	HW0425-PT-GAS-SOIL	SOIL			04/21/25			04/24/25
	L		Gasoline Range Organics	8015D			04/29/25	
Q1872-16	HW0425-PT-NJEPH-S	Solid			04/21/25			04/24/25
	OIL		EPH	NJEPH		05/07/25	05/08/25	
Q1872-18	HW0425-PT-PCB-SOIL	SOIL			04/21/25			04/24/25
			PCB	8082A		05/23/25	05/24/25	
Q1872-18DL	HW0425-PT-PCB-SOIL	SOIL			04/21/25			04/24/25
	DL		PCB	8082A		05/23/25	05/24/25	
Q1872-20	HW0425-PT-PEST-SOIL	SOIL			04/21/25			04/24/25
	L		PESTICIDE Group1	8081B		05/23/25	05/27/25	
Q1872-20DL	HW0425-PT-PEST-SOIL	SOIL			04/21/25			04/24/25
	LDL		PESTICIDE Group1	8081B		05/23/25	05/27/25	
Q1872-21	HW0425-PT-CHLR-SOIL	SOIL			04/21/25			04/24/25
	IL		PESTICIDE Group2	8081B		05/23/25	05/27/25	

Hit Summary Sheet
SW-846

SDG No.: Q1872

Order ID: Q1872

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HW0425-PT-PEST-SOIL								
Q1872-20	HW0425-PT-PEST-SC SOIL		alpha-BHC	50.9	E	0.13	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		beta-BHC	317	E	0.18	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		delta-BHC	148	E	0.39	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		gamma-BHC (Lindane)	143	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Heptachlor	236	E	0.12	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Aldrin	75.0	E	0.12	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Heptachlor epoxide	169	E	0.19	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endosulfan I	279	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Dieldrin	270	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		4,4-DDE	245	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endrin	164	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endosulfan II	142	E	0.29	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		4,4-DDD	210	E	0.15	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endosulfan Sulfate	76.6	E	0.13	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		4,4-DDT	110	E	0.14	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Methoxychlor	102	E	0.37	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endrin ketone	224	E	0.19	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		Endrin aldehyde	100	E	0.37	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		alpha-Chlordane	200	E	0.12	1.70	ug/kg
Q1872-20	HW0425-PT-PEST-SC SOIL		gamma-Chlordane	274	E	0.15	1.70	ug/kg
Total Concentration:				3,535.500				
Client ID : HW0425-PT-PEST-SOILDL								
Q1872-20DL	HW0425-PT-PEST-SC SOIL		alpha-BHC	44.5	D	1.30	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		beta-BHC	308	D	1.80	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		delta-BHC	132	D	3.90	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		gamma-BHC (Lindane)	127	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Heptachlor	229	D	1.20	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Aldrin	70.3	D	1.20	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Heptachlor epoxide	170	D	1.90	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endosulfan I	286	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Dieldrin	263	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		4,4-DDE	228	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endrin	156	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endosulfan II	143	D	2.90	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		4,4-DDD	200	D	1.50	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endosulfan Sulfate	77.5	D	1.30	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		4,4-DDT	102	D	1.40	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Methoxychlor	102	D	3.70	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endrin ketone	220	D	1.90	16.9	ug/kg

Hit Summary Sheet
SW-846

SDG No.: Q1872

Order ID: Q1872

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1872-20DL	HW0425-PT-PEST-SC SOIL		Endrin aldehyde	102	D	3.70	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		alpha-Chlordane	189	D	1.20	16.9	ug/kg
Q1872-20DL	HW0425-PT-PEST-SC SOIL		gamma-Chlordane	254	D	1.50	16.9	ug/kg
Total Concentration:				3,403.300				



QC SUMMARY

Surrogate Summary

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		43	140
		Tetrachloro-m-xylene	1	20	16.4	82		77	126
		Decachlorobiphenyl	2	20	17.5	88		43	140
		Tetrachloro-m-xylene	2	20	16.0	80		77	126
I.BLK-PL095779.D	PIBLK-PL095779.D	Decachlorobiphenyl	1	20	20.4	102		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	18.8	94		77	126
PB168151BL	PB168151BL	Decachlorobiphenyl	1	20	20.3	101		20	144
		Tetrachloro-m-xylene	1	20	19.5	98		19	148
		Decachlorobiphenyl	2	20	20.7	103		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
PB168151BS	PB168151BS	Decachlorobiphenyl	1	20	21.9	109		20	144
		Tetrachloro-m-xylene	1	20	20.7	104		19	148
		Decachlorobiphenyl	2	20	22.5	113		20	144
		Tetrachloro-m-xylene	2	20	19.5	98		19	148
Q1872-20	HW0425-PT-PEST-SOIL	Decachlorobiphenyl	1	20	20.4	102		20	144
		Tetrachloro-m-xylene	1	20	17.8	89		19	148
		Decachlorobiphenyl	2	20	21.6	108		20	144
		Tetrachloro-m-xylene	2	20	16.9	85		19	148
Q1872-20DL	HW0425-PT-PEST-SOILDL	Decachlorobiphenyl	1	20	23.3	117		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	26.2	131		20	144
		Tetrachloro-m-xylene	2	20	17.1	86		19	148
Q2109-01MS	TP-02-MHFMS	Decachlorobiphenyl	1	20	15.4	77		20	144
		Tetrachloro-m-xylene	1	20	11.6	58		19	148
		Decachlorobiphenyl	2	20	10.3	51		20	144
		Tetrachloro-m-xylene	2	20	12.4	62		19	148
Q2109-01MSD	TP-02-MHFMSD	Decachlorobiphenyl	1	20	14.6	73		20	144
		Tetrachloro-m-xylene	1	20	11.9	60		19	148
		Decachlorobiphenyl	2	20	10.4	52		20	144
		Tetrachloro-m-xylene	2	20	11.8	59		19	148
I.BLK-PL095791.D	PIBLK-PL095791.D	Decachlorobiphenyl	1	20	18.5	92		43	140
		Tetrachloro-m-xylene	1	20	20.3	101		77	126
		Decachlorobiphenyl	2	20	15.2	76		43	140
		Tetrachloro-m-xylene	2	20	19.6	98		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q1872	Analytical Method:	8081B
Client:	Alliance Technical Group, LLC - Newark	DataFile :	PL095789.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2109-01MS (Column 1)	TP-02-MHFMS											
	alpha-BHC	19.05	0	15.4	ug/kg	81				60	144	
	beta-BHC	19.05	0	9.20	ug/kg	48	*			54	143	
	delta-BHC	19.05	0	15.7	ug/kg	82				29	151	
	gamma-BHC (Lindane)	19.05	0	16.0	ug/kg	84				61	140	
	Heptachlor	19.05	0	14.9	ug/kg	78				63	135	
	Aldrin	19.05	0	15.4	ug/kg	81				49	139	
	Heptachlor epoxide	19.05	0	14.7	ug/kg	77				41	156	
	Endosulfan I	19.05	0	16.2	ug/kg	85				56	142	
	Dieldrin	19.05	0	14.5	ug/kg	76				47	161	
	4,4'-DDE	19.05	0	10.7	ug/kg	56				55	136	
	Endrin	19.05	0	12.9	ug/kg	68				57	139	
	Endosulfan II	19.05	0	13.8	ug/kg	72				40	163	
	4,4'-DDD	19.05	0	13.8	ug/kg	72				47	163	
	Endosulfan sulfate	19.05	0	14.1	ug/kg	74				62	139	
	4,4'-DDT	19.05	0	13.6	ug/kg	71				51	146	
	Methoxychlor	19.05	0	12.8	ug/kg	67				54	136	
	Endrin ketone	19.05	0	14.3	ug/kg	75				60	129	
	Endrin aldehyde	19.05	0	14.4	ug/kg	76				59	132	
	alpha-Chlordane	19.05	0	15.3	ug/kg	80				39	166	
	gamma-Chlordane	19.05	0	15.6	ug/kg	82				44	175	
	Mirex	19.05	0	14.8	ug/kg	78				30	150	
Client Sample ID: Q2109-01MS (Column 2)	TP-02-MHFMS											
	alpha-BHC	19.05	0	15.7	ug/kg	82				60	144	
	beta-BHC	19.05	0	16.5	ug/kg	87	*			54	143	
	delta-BHC	19.05	0	14.4	ug/kg	76				29	151	
	gamma-BHC (Lindane)	19.05	0	14.9	ug/kg	78				61	140	
	Heptachlor	19.05	0	14.9	ug/kg	78				63	135	
	Aldrin	19.05	0	15.3	ug/kg	80				49	139	
	Heptachlor epoxide	19.05	0	15.4	ug/kg	81				41	156	
	Endosulfan I	19.05	0	12.9	ug/kg	68				56	142	
	Dieldrin	19.05	0	13.9	ug/kg	73				47	161	
	4,4'-DDE	19.05	0	13.6	ug/kg	71				55	136	
	Endrin	19.05	0	13.6	ug/kg	71				57	139	
	Endosulfan II	19.05	0	13.8	ug/kg	72				40	163	
	4,4'-DDD	19.05	0	14.4	ug/kg	76				47	163	
	Endosulfan sulfate	19.05	0	12.2	ug/kg	64				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1872</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	DataFile :	<u>PL095789.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2109-01MS (Column 2)	4,4'-DDT	19.05	0	12.0	ug/kg	63				51	146	
	Methoxychlor	19.05	0	11.4	ug/kg	60				54	136	
	Endrin ketone	19.05	0	10.8	ug/kg	57				60	129	
	Endrin aldehyde	19.05	0	14.2	ug/kg	75				59	132	
	alpha-Chlordane	19.05	0	14.3	ug/kg	75				39	166	
	gamma-Chlordane	19.05	0	14.6	ug/kg	77				44	175	
	Mirex	19.05	0	11.7	ug/kg	61				30	150	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q1872	Analytical Method:	8081B
Client:	Alliance Technical Group, LLC - Newark	DataFile :	PL095790.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2109-01MSD (Column 1)	TP-02-MHFMSD											
	alpha-BHC	19.03	0	15.4	ug/kg	81		0		60	144	20
	beta-BHC	19.03	0	9.90	ug/kg	52	*	8		54	143	20
	delta-BHC	19.03	0	16.0	ug/kg	84		2		29	151	20
	gamma-BHC (Lindane)	19.03	0	16.3	ug/kg	86		2		61	140	20
	Heptachlor	19.03	0	15.1	ug/kg	79		1		63	135	20
	Aldrin	19.03	0	15.6	ug/kg	82		1		49	139	20
	Heptachlor epoxide	19.03	0	15.0	ug/kg	79		3		41	156	20
	Endosulfan I	19.03	0	16.6	ug/kg	87		2		56	142	20
	Dieldrin	19.03	0	14.7	ug/kg	77		1		47	161	20
	4,4'-DDE	19.03	0	10.8	ug/kg	57		2		55	136	20
	Endrin	19.03	0	13.0	ug/kg	68		0		57	139	20
	Endosulfan II	19.03	0	13.9	ug/kg	73		1		40	163	20
	4,4'-DDD	19.03	0	14.3	ug/kg	75		4		47	163	20
	Endosulfan sulfate	19.03	0	14.3	ug/kg	75		1		62	139	20
	4,4'-DDT	19.03	0	13.8	ug/kg	73		3		51	146	20
	Methoxychlor	19.03	0	13.0	ug/kg	68		1		54	136	20
	Endrin ketone	19.03	0	15.6	ug/kg	82		9		60	129	20
	Endrin aldehyde	19.03	0	14.9	ug/kg	78		3		59	132	20
	alpha-Chlordane	19.03	0	15.8	ug/kg	83		4		39	166	20
	gamma-Chlordane	19.03	0	16.1	ug/kg	85		4		44	175	20
	Mirex	19.03	0	28.1	ug/kg	148		62	*	30	150	20
Client Sample ID: Q2109-01MSD (Column 2)	TP-02-MHFMSD											
	alpha-BHC	19.03	0	16.2	ug/kg	85		4		60	144	20
	beta-BHC	19.03	0	16.7	ug/kg	88	*	1		54	143	20
	delta-BHC	19.03	0	15.9	ug/kg	84		10		29	151	20
	gamma-BHC (Lindane)	19.03	0	15.1	ug/kg	79		1		61	140	20
	Heptachlor	19.03	0	15.2	ug/kg	80		3		63	135	20
	Aldrin	19.03	0	15.8	ug/kg	83		4		49	139	20
	Heptachlor epoxide	19.03	0	16.2	ug/kg	85		5		41	156	20
	Endosulfan I	19.03	0	11.4	ug/kg	60		13		56	142	20
	Dieldrin	19.03	0	16.1	ug/kg	85		15		47	161	20
	4,4'-DDE	19.03	0	14.0	ug/kg	74		4		55	136	20
	Endrin	19.03	0	14.7	ug/kg	77		8		57	139	20
	Endosulfan II	19.03	0	14.8	ug/kg	78		8		40	163	20
	4,4'-DDD	19.03	0	14.4	ug/kg	76		0		47	163	20
	Endosulfan sulfate	19.03	0	12.6	ug/kg	66		3		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1872</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	DataFile :	<u>PL095790.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2109-01MSD (Column 2)	4,4'-DDT	19.03	0	12.4	ug/kg	65		3		51	146	20
	Methoxychlor	19.03	0	11.7	ug/kg	61		2		54	136	20
	Endrin ketone	19.03	0	11.3	ug/kg	59		3		60	129	20
	Endrin aldehyde	19.03	0	14.1	ug/kg	74		1		59	132	20
	alpha-Chlordane	19.03	0	14.5	ug/kg	76		1		39	166	20
	gamma-Chlordane	19.03	0	15.0	ug/kg	79		3		44	175	20
	Mirex	19.03	0	12.0	ug/kg	63		3		30	150	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q1872	Analytical Method:	8081B
Client:	Alliance Technical Group, LLC - Newark	Datafile :	PL095783.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168151BS (Column 1)	alpha-BHC	16.65	15.3	ug/kg	92				84	123	
	beta-BHC	16.65	15.0	ug/kg	90				82	123	
	delta-BHC	16.65	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.65	15.1	ug/kg	91				83	125	
	Heptachlor	16.65	15.2	ug/kg	91				83	122	
	Aldrin	16.65	15.6	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.6	ug/kg	94				83	120	
	Endosulfan I	16.65	15.5	ug/kg	93				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.6	ug/kg	94				81	123	
	Endrin	16.65	15.1	ug/kg	91				76	130	
	Endosulfan II	16.65	15.2	ug/kg	91				80	125	
	4,4'-DDD	16.65	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.65	15.5	ug/kg	93				81	122	
	4,4'-DDT	16.65	15.4	ug/kg	92				70	129	
	Methoxychlor	16.65	15.9	ug/kg	95				60	119	
	Endrin ketone	16.65	15.5	ug/kg	93				77	132	
	Endrin aldehyde	16.65	15.6	ug/kg	94				79	124	
	alpha-Chlordane	16.65	15.6	ug/kg	94				84	120	
	gamma-Chlordane	16.65	15.9	ug/kg	95				83	122	
	Mirex	16.65	15.9	ug/kg	95				70	130	
PB168151BS (Column 2)	alpha-BHC	16.65	15.1	ug/kg	91				84	123	
	beta-BHC	16.65	14.7	ug/kg	88				82	123	
	delta-BHC	16.65	14.9	ug/kg	89				83	126	
	gamma-BHC (Lindane)	16.65	15.0	ug/kg	90				83	125	
	Heptachlor	16.65	14.8	ug/kg	89				83	122	
	Aldrin	16.65	15.3	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.2	ug/kg	91				83	120	
	Endosulfan I	16.65	15.3	ug/kg	92				81	124	
	Dieldrin	16.65	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.65	15.3	ug/kg	92				81	123	
	Endrin	16.65	14.8	ug/kg	89				76	130	
	Endosulfan II	16.65	15.4	ug/kg	92				80	125	
	4,4'-DDD	16.65	15.4	ug/kg	92				80	131	
	Endosulfan sulfate	16.65	15.2	ug/kg	91				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.3	ug/kg	86				60	119	
	Endrin ketone	16.65	15.4	ug/kg	92				77	132	
	Endrin aldehyde	16.65	15.6	ug/kg	94				79	124	
	alpha-Chlordane	16.65	15.3	ug/kg	92				84	120	
	gamma-Chlordane	16.65	15.4	ug/kg	92				83	122	
	Mirex	16.65	15.8	ug/kg	95				70	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168151BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168151BL

Lab File ID: PL095782.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/23/2025

Date Analyzed (1): 05/27/2025

Date Analyzed (2): 05/27/2025

Time Analyzed (1): 09:24

Time Analyzed (2): 09:24

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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
PB168151BS	PB168151BS	PL095783.D	05/27/2025	05/27/2025
HW0425-PT-PEST-SOIL	Q1872-20	PL095784.D	05/27/2025	05/27/2025
TP-02-MHFMS	Q2109-01MS	PL095789.D	05/27/2025	05/27/2025
TP-02-MHFMSD	Q2109-01MSD	PL095790.D	05/27/2025	05/27/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-PEST-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-20	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095784.D	1	05/23/25 09:19	05/27/25 10:16	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	50.9	E	0.13	1.70	ug/kg
319-85-7	beta-BHC	317	E	0.18	1.70	ug/kg
319-86-8	delta-BHC	148	E	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	143	E	0.14	1.70	ug/kg
76-44-8	Heptachlor	236	E	0.12	1.70	ug/kg
309-00-2	Aldrin	75.0	E	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	169	E	0.19	1.70	ug/kg
959-98-8	Endosulfan I	279	E	0.14	1.70	ug/kg
60-57-1	Dieldrin	270	E	0.14	1.70	ug/kg
72-55-9	4,4-DDE	245	E	0.14	1.70	ug/kg
72-20-8	Endrin	164	E	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	142	E	0.29	1.70	ug/kg
72-54-8	4,4-DDD	210	E	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	76.6	E	0.13	1.70	ug/kg
50-29-3	4,4-DDT	110	E	0.14	1.70	ug/kg
72-43-5	Methoxychlor	102	E	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	224	E	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	100	E	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	200	E	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	274	E	0.15	1.70	ug/kg
2385-85-5	Mirex	0.17	U	0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		20 - 144	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		19 - 148	89%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-PEST-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-20		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.11	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095784.D	1	05/23/25 09:19	05/27/25 10:16	PB168151

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_L\Data\PL052725\
 Data File : PL095784.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 10:16
 Operator : AR\AJ
 Sample : Q1872-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 HW0425-PT-PEST-SOIL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:26:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.882	56162236	66152765	17.800m	16.902
28) SA Decachlor...	9.099	8.058	48115539	94432999	20.420	21.587
Target Compounds						
2) A alpha-BHC	4.025	3.393	742.7E6	885.0E6	153.196	151.088
3) MA gamma-BHC...	4.357	3.727	1930.5E6	2314.5E6	431.702	413.207
4) MA Heptachlor	4.955	4.080	2684.6E6	3512.8E6	709.267	626.280
5) MB Aldrin	5.297	4.364	965.6E6	1194.7E6	225.720	225.119
6) B beta-BHC	4.544	4.022	1882.2E6	2241.7E6	954.787	904.794
7) B delta-BHC	4.792	4.258	1970.4E6	2399.7E6	444.420	424.922
8) B Heptachlo...	5.718	4.867	1942.3E6	2361.0E6	508.866	478.174
9) A Endosulfan I	6.101	5.239	3078.9E6	3647.0E6	840.131	765.374
10) B gamma-Chl...	5.973	5.119	3214.2E6	3939.5E6	825.823	749.997
11) B alpha-Chl...	6.053	5.184	2372.1E6	2916.1E6	600.816	560.493
12) B 4,4'-DDE	6.224	5.370	2708.8E6	3513.3E6	738.521	655.207
13) MA Dieldrin	6.375	5.504	3136.5E6	3804.1E6	812.727	717.736
14) MA Endrin	6.602	5.779	1589.1E6	2130.7E6	492.471	436.964
15) B Endosulfa...	6.814	6.069	1473.9E6	1986.1E6	427.709	417.965
16) A 4,4'-DDD	6.734	5.921	1856.5E6	2645.4E6	633.472	603.287m
17) MA 4,4'-DDT	7.049	6.176	898.8E6	1456.8E6	332.241	304.603
18) B Endrin al...	6.944	6.247	731.6E6	1044.8E6	302.597	302.465
19) B Endosulfa...	7.177	6.471	688.7E6	996.8E6	230.587	221.781
20) A Methoxychlor	7.522	6.746	390.8E6	690.1E6	306.412	263.777
21) B Endrin ke...	7.658	6.976	2133.9E6	3074.6E6	673.803	594.261

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 10:16
Operator : AR\AJ
Sample : Q1872-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

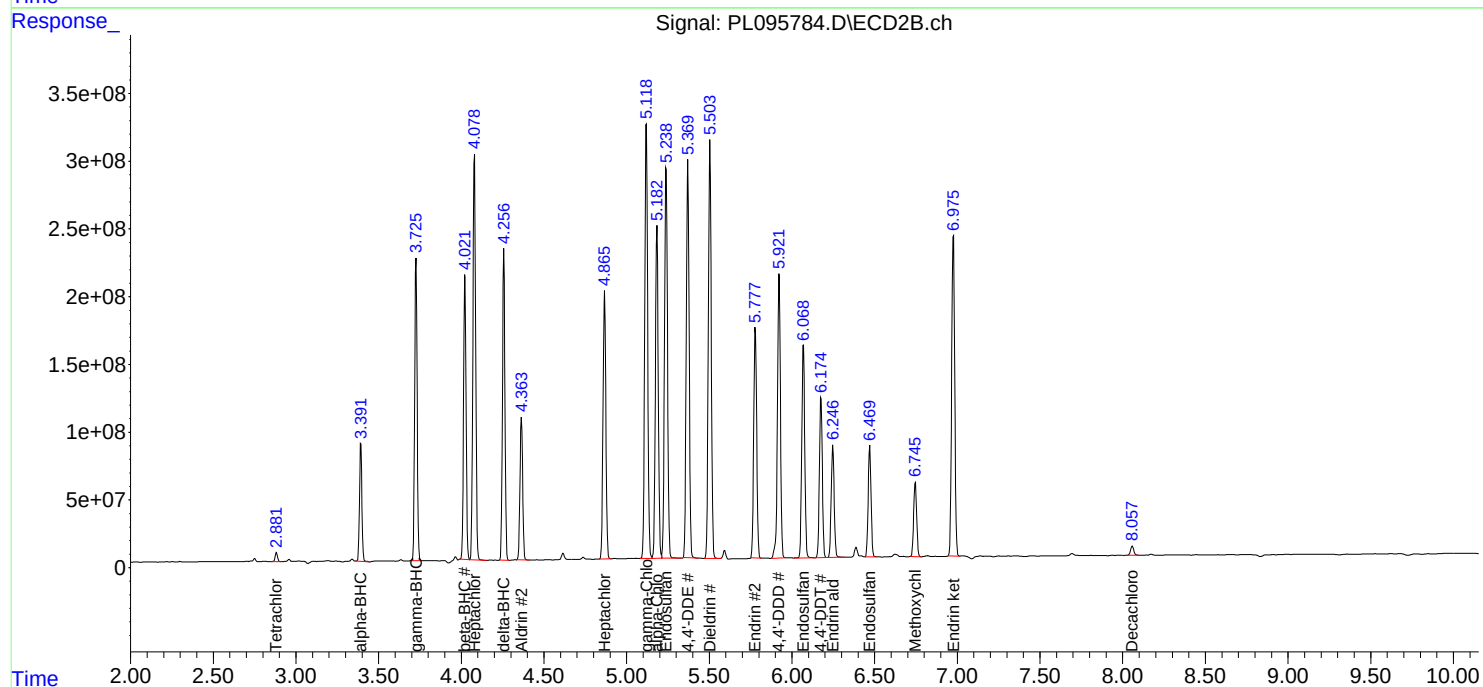
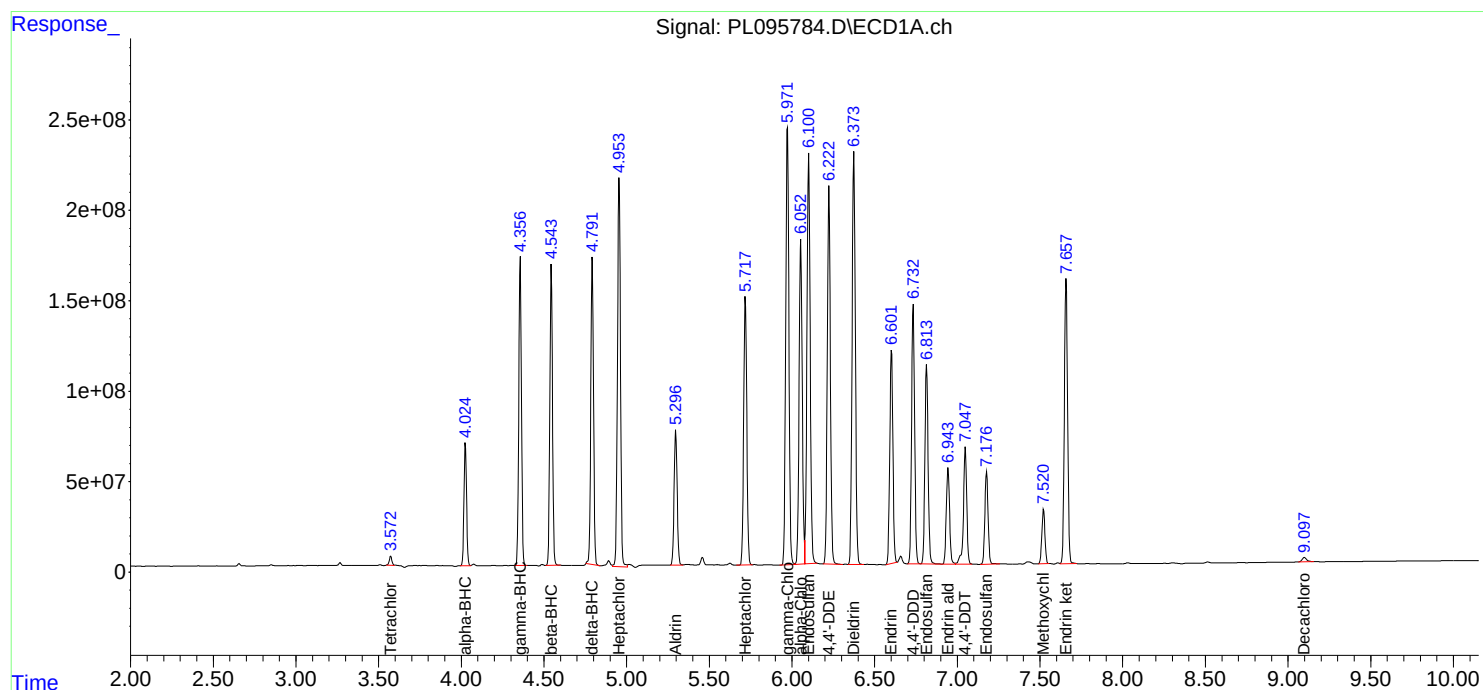
Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

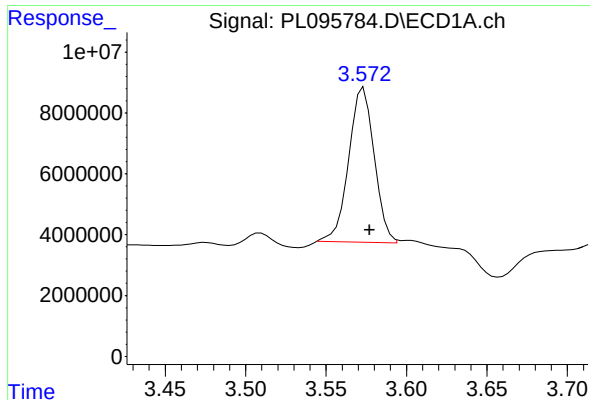
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:26:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





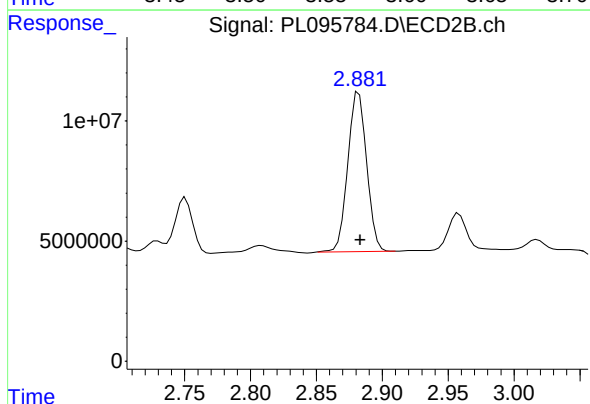
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 56162236
Conc: 17.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

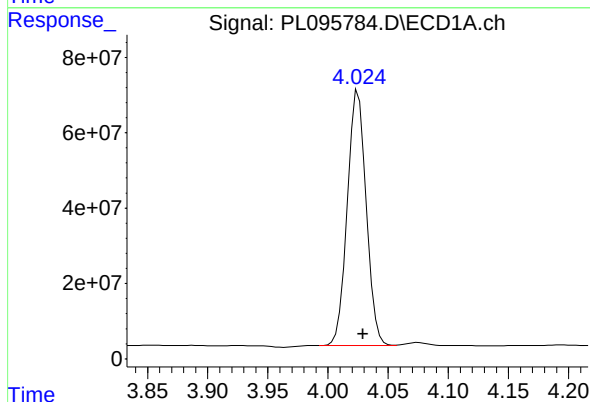
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



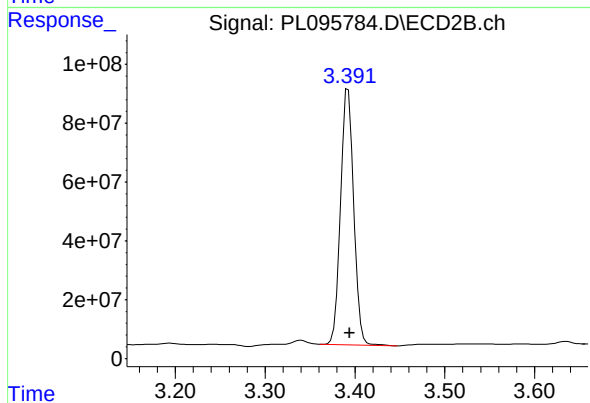
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 66152765
Conc: 16.90 ng/ml



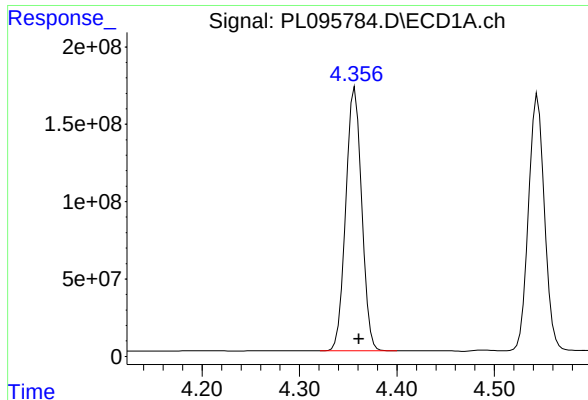
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 742685311
Conc: 153.20 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: -0.001 min
Response: 884972445
Conc: 151.09 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.357 min
Delta R.T.: -0.004 min
Response: 1930507549
Conc: 431.70 ng/ml

Instrument :

ECD_L

ClientSampleId :

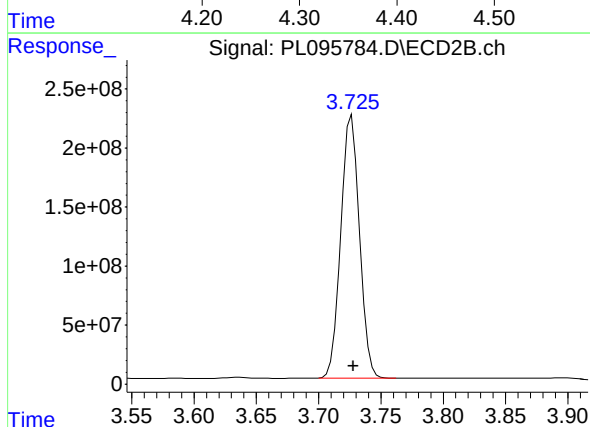
HW0425-PT-PEST-SOIL

Manual Integrations

APPROVED

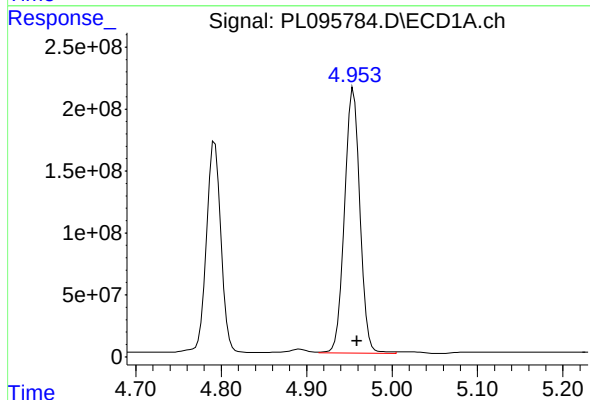
Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025



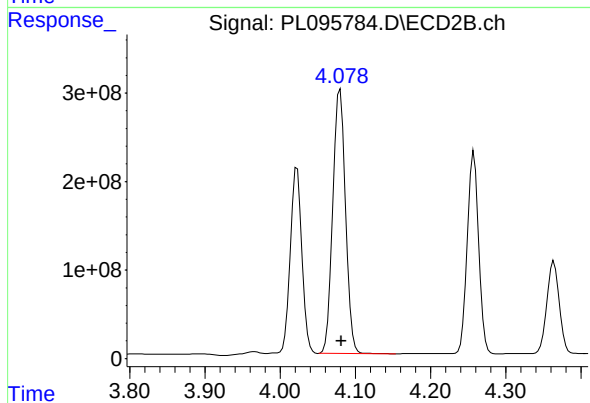
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.001 min
Response: 2314466635
Conc: 413.21 ng/ml



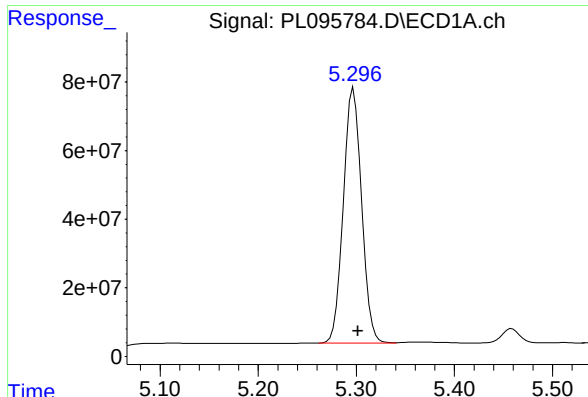
#4 Heptachlor

R.T.: 4.955 min
Delta R.T.: -0.004 min
Response: 2684604209
Conc: 709.27 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 3512838573
Conc: 626.28 ng/ml



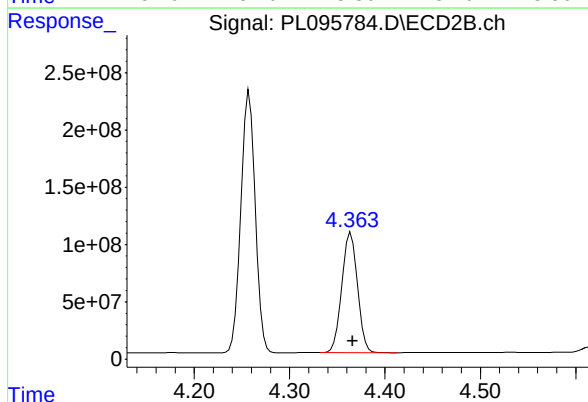
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 965570674
Conc: 225.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

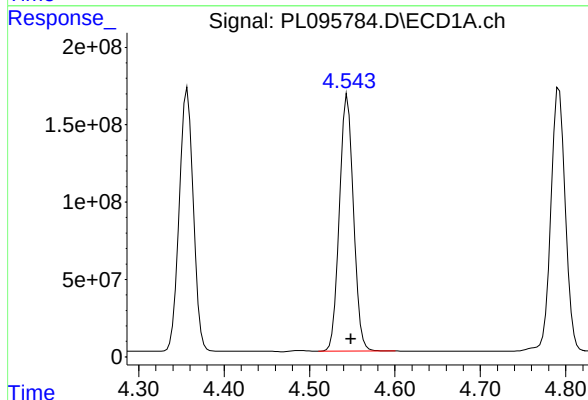
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



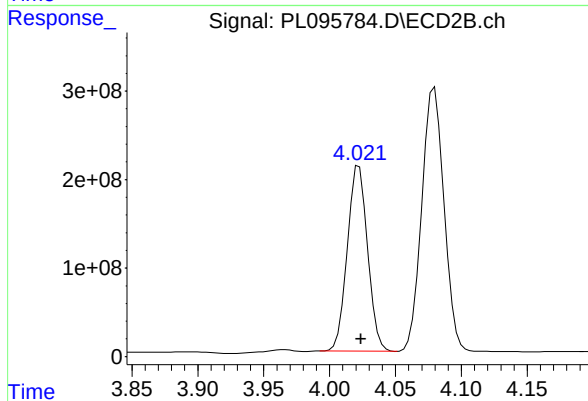
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 1194731484
Conc: 225.12 ng/ml



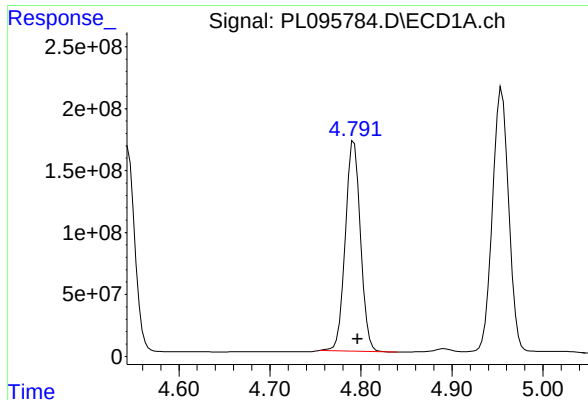
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.004 min
Response: 1882234978
Conc: 954.79 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 2241674096
Conc: 904.79 ng/ml



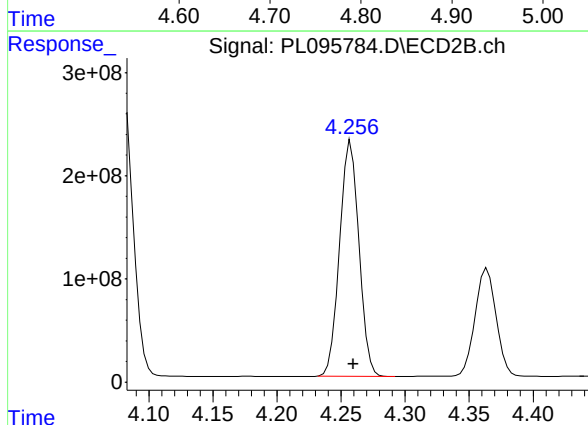
#7 delta-BHC

R.T.: 4.792 min
Delta R.T.: -0.004 min
Response: 1970386976
Conc: 444.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

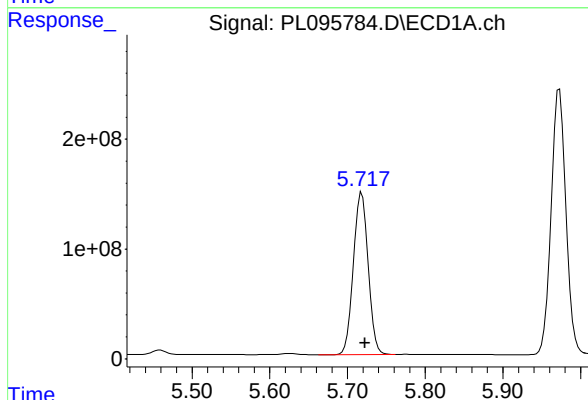
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



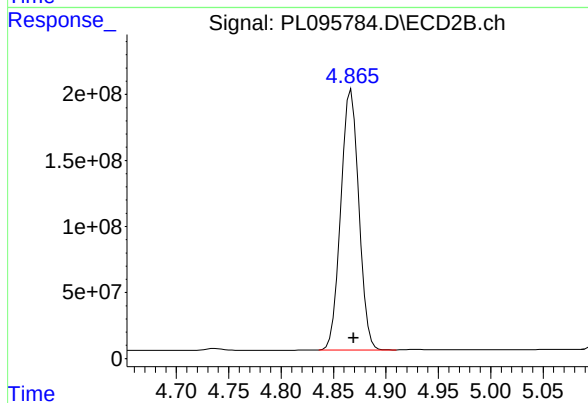
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.002 min
Response: 2399688713
Conc: 424.92 ng/ml



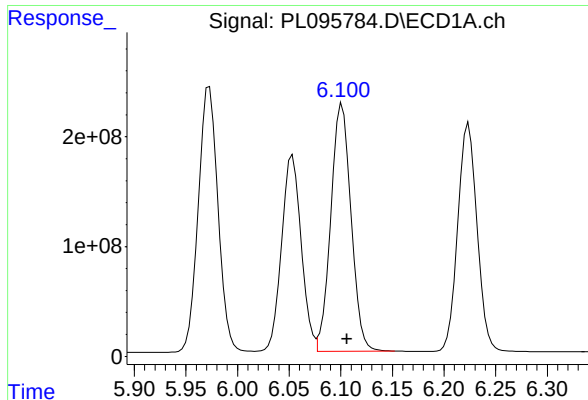
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 1942272523
Conc: 508.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 2360951035
Conc: 478.17 ng/ml



#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 3078938811
Conc: 840.13 ng/ml

Instrument :

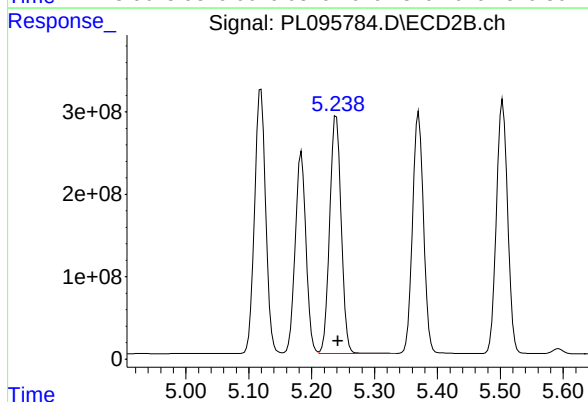
ECD_L

ClientSampleId :

HW0425-PT-PEST-SOIL

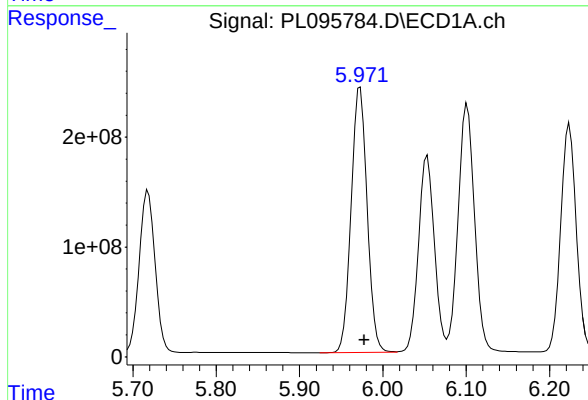
**Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



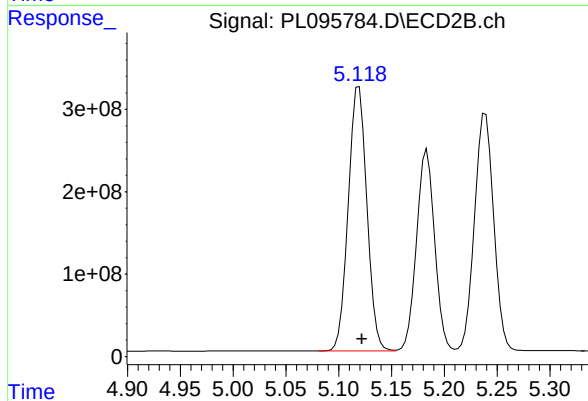
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 3646986183
Conc: 765.37 ng/ml



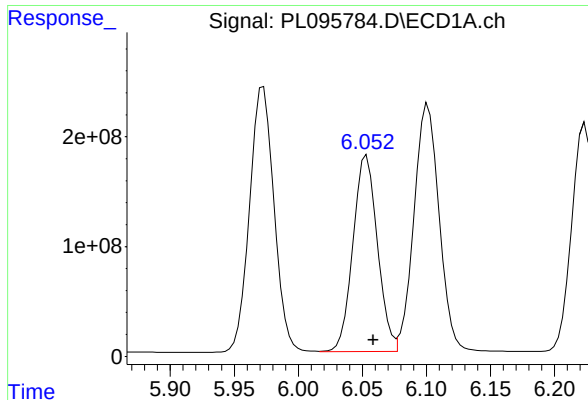
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.005 min
Response: 3214178998
Conc: 825.82 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 3939501308
Conc: 750.00 ng/ml



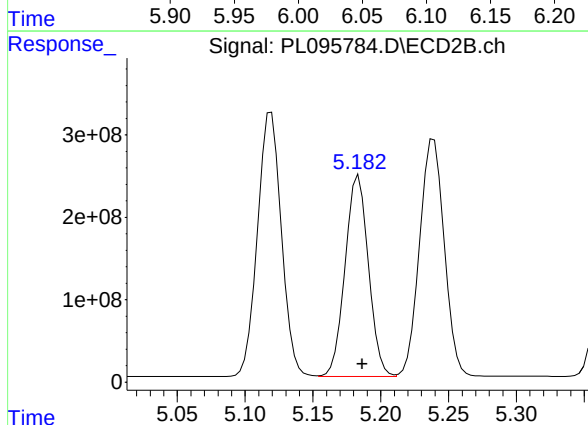
#11 alpha-Chlordane

R.T.: 6.053 min
Delta R.T.: -0.005 min
Response: 2372124563
Conc: 600.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

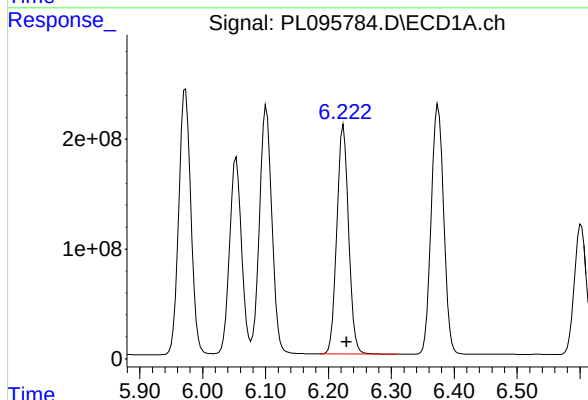
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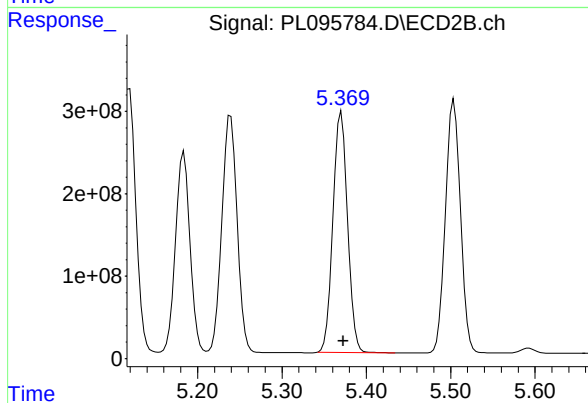
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 2916112538
Conc: 560.49 ng/ml



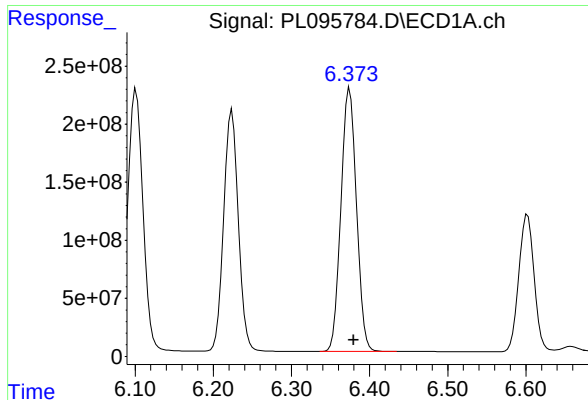
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 2708820480
Conc: 738.52 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 3513324456
Conc: 655.21 ng/ml



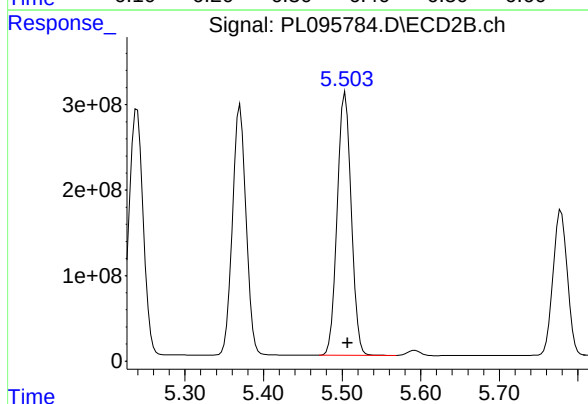
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.005 min
Response: 3136460460
Conc: 812.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

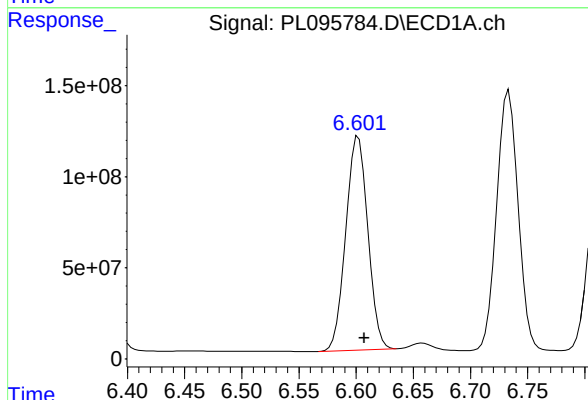
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



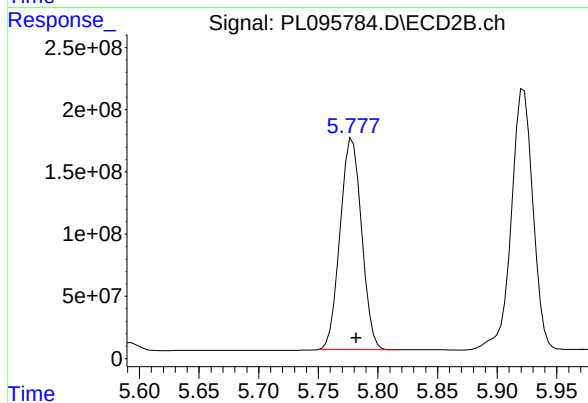
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.003 min
Response: 3804083712
Conc: 717.74 ng/ml



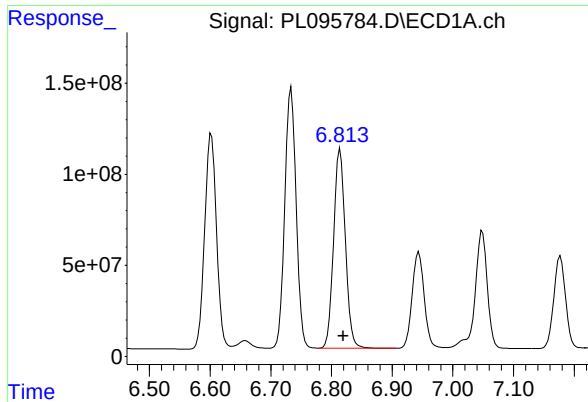
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 1589084002
Conc: 492.47 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 2130680940
Conc: 436.96 ng/ml



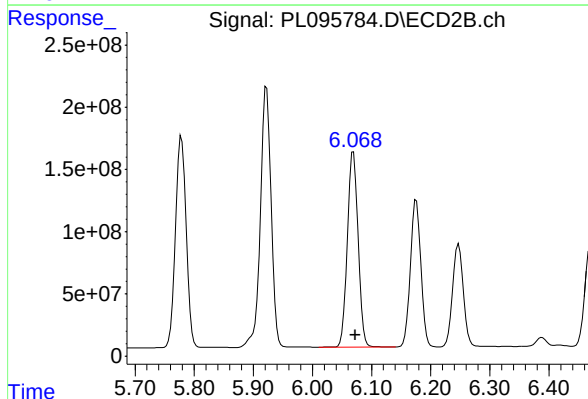
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.006 min
Response: 1473905607
Conc: 427.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

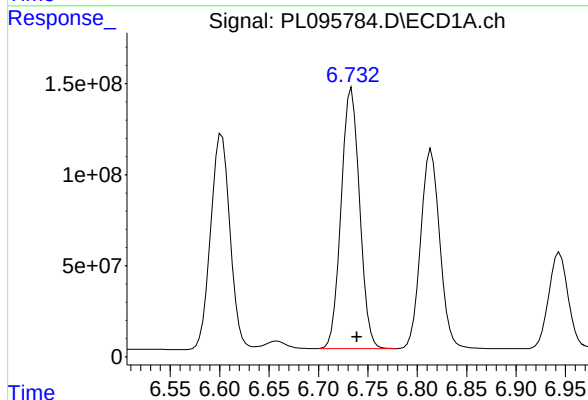
Manual Integrations
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Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



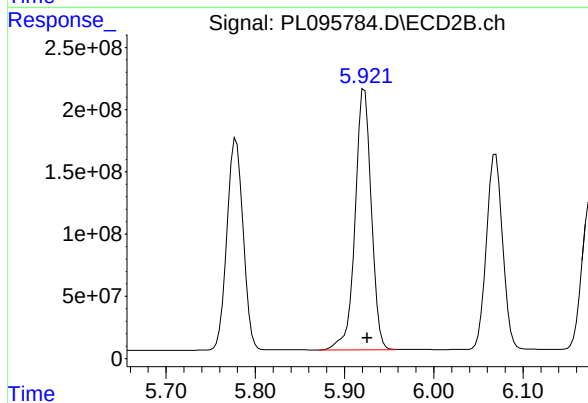
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1986076134
Conc: 417.96 ng/ml



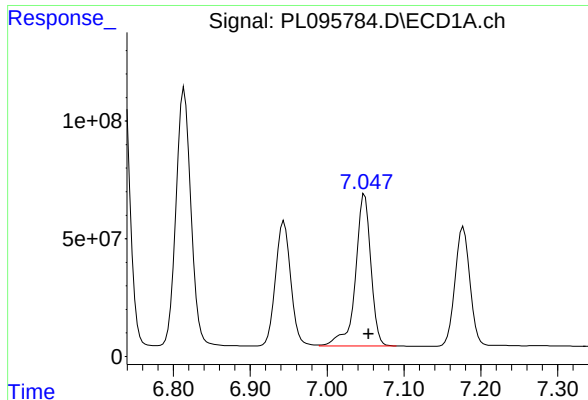
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 1856456897
Conc: 633.47 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.005 min
Response: 2645371967
Conc: 603.29 ng/ml m



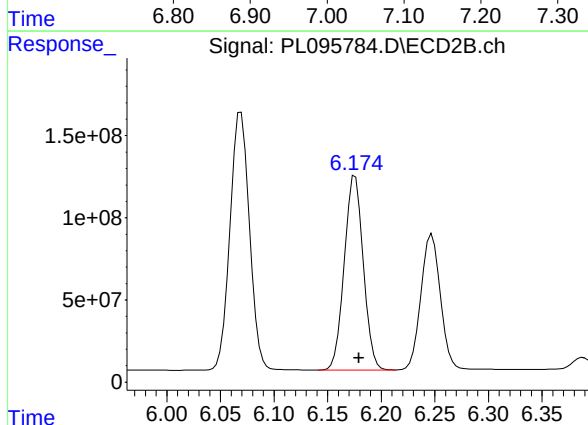
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 898758146
Conc: 332.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

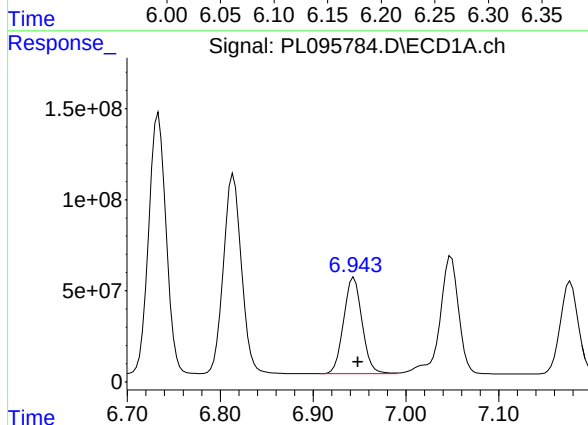
Manual Integrations
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Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



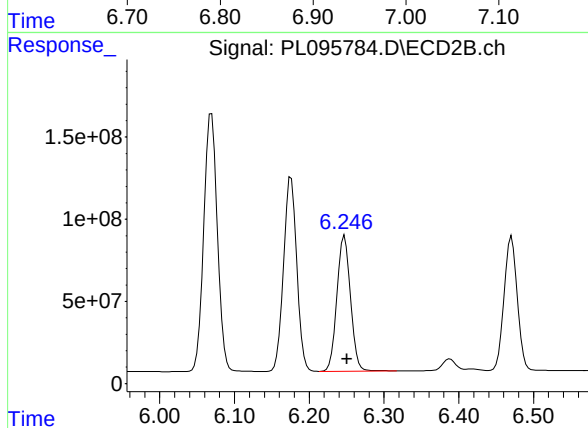
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 1456794018
Conc: 304.60 ng/ml



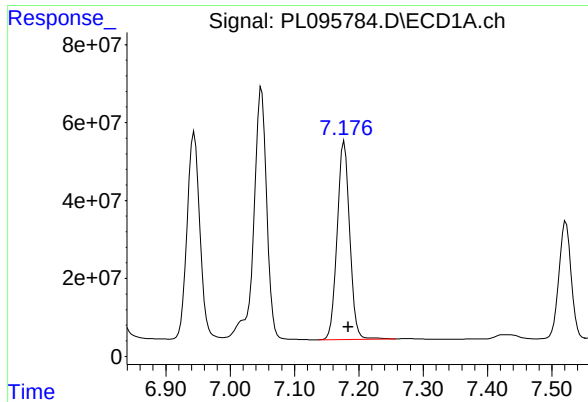
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 731565355
Conc: 302.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 1044801228
Conc: 302.46 ng/ml



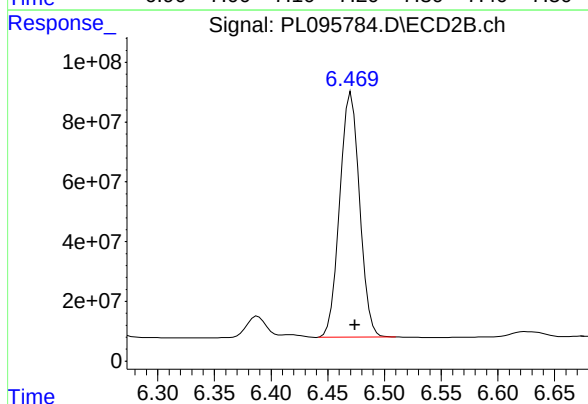
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.006 min
Response: 688746540
Conc: 230.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

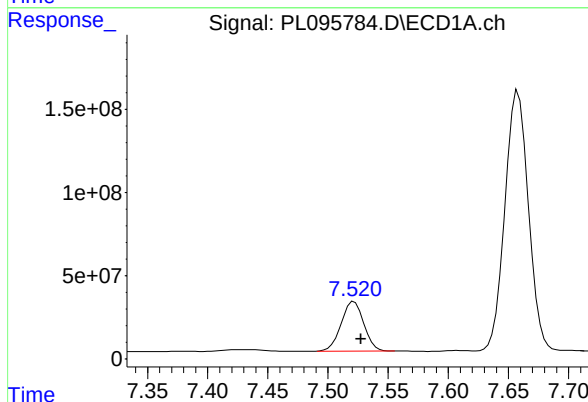
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



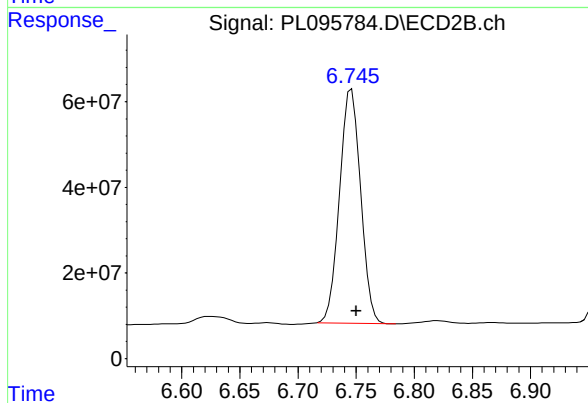
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 996849730
Conc: 221.78 ng/ml



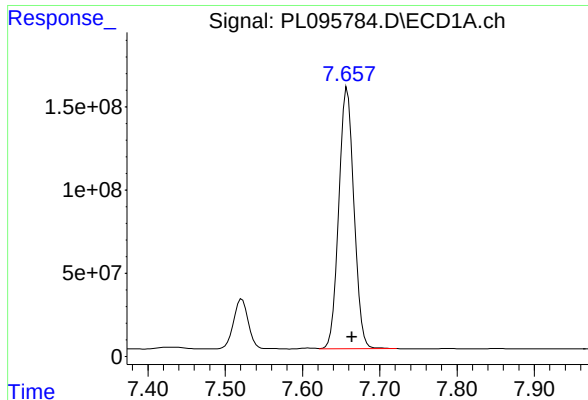
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.006 min
Response: 390775248
Conc: 306.41 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 690069820
Conc: 263.78 ng/ml



#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.006 min
Response: 2133874264
Conc: 673.80 ng/ml

Instrument :

ECD_L

ClientSampleId :

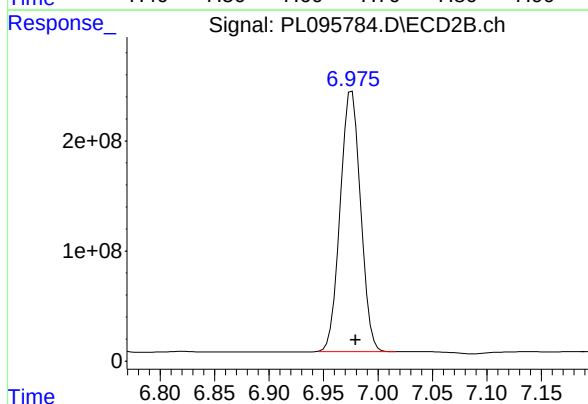
HW0425-PT-PEST-SOIL

Manual Integrations

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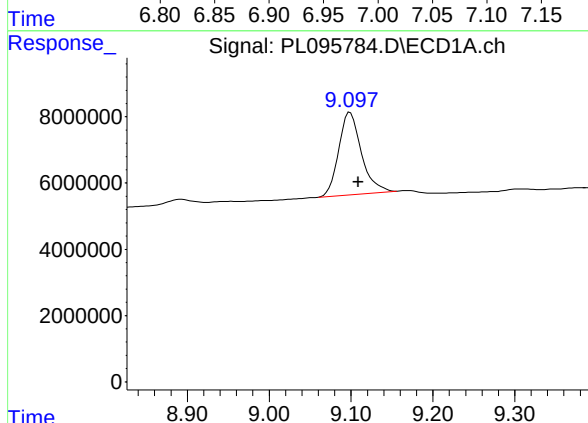
Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025



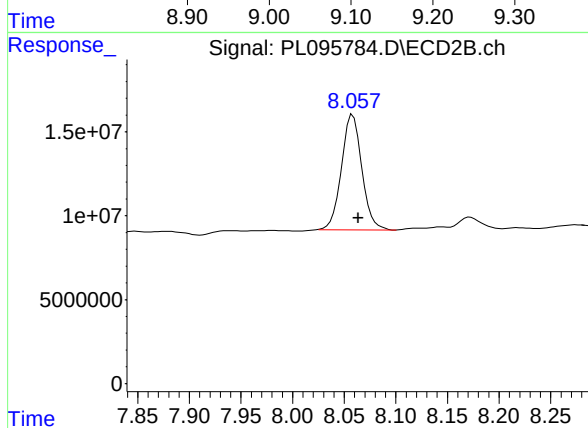
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 3074628661
Conc: 594.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 48115539
Conc: 20.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.005 min
Response: 94432999
Conc: 21.59 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-PEST-SOILDL	SDG No.:	Q1872
Lab Sample ID:	Q1872-20DL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095785.D	10	05/23/25 09:19	05/27/25 10:52	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	44.5	D	1.30	16.9	ug/kg
319-85-7	beta-BHC	308	D	1.80	16.9	ug/kg
319-86-8	delta-BHC	132	D	3.90	16.9	ug/kg
58-89-9	gamma-BHC (Lindane)	127	D	1.40	16.9	ug/kg
76-44-8	Heptachlor	229	D	1.20	16.9	ug/kg
309-00-2	Aldrin	70.3	D	1.20	16.9	ug/kg
1024-57-3	Heptachlor epoxide	170	D	1.90	16.9	ug/kg
959-98-8	Endosulfan I	286	D	1.40	16.9	ug/kg
60-57-1	Dieldrin	263	D	1.40	16.9	ug/kg
72-55-9	4,4-DDE	228	D	1.40	16.9	ug/kg
72-20-8	Endrin	156	D	1.40	16.9	ug/kg
33213-65-9	Endosulfan II	143	D	2.90	16.9	ug/kg
72-54-8	4,4-DDD	200	D	1.50	16.9	ug/kg
1031-07-8	Endosulfan Sulfate	77.5	D	1.30	16.9	ug/kg
50-29-3	4,4-DDT	102	D	1.40	16.9	ug/kg
72-43-5	Methoxychlor	102	D	3.70	16.9	ug/kg
53494-70-5	Endrin ketone	220	D	1.90	16.9	ug/kg
7421-93-4	Endrin aldehyde	102	D	3.70	16.9	ug/kg
5103-71-9	alpha-Chlordane	189	D	1.20	16.9	ug/kg
5103-74-2	gamma-Chlordane	254	D	1.50	16.9	ug/kg
2385-85-5	Mirex	1.70	UD	1.70	16.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.2		20 - 144	131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-PEST-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-20DL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.11	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095785.D	10	05/23/25 09:19	05/27/25 10:52	PB168151

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_L\Data\PL052725\
 Data File : PL095785.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 10:52
 Operator : AR\AJ
 Sample : Q1872-20DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 HW0425-PT-PEST-SOILDL

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/28/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:27:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.575	2.879	5794415	6706407	1.836m	1.713
28) SA Decachlor...	9.105	8.057	5480073	11450848	2.326m	2.618
Target Compounds						
2) A alpha-BHC	4.028	3.389	64976122	77288328	13.403	13.195
3) MA gamma-BHC...	4.360	3.722	170.9E6	211.5E6	38.224	37.756m
4) MA Heptachlor	4.956	4.076	260.6E6	370.2E6	68.837m	66.002
5) MB Aldrin	5.300	4.361	90582263	108.5E6	21.175	20.439
6) B beta-BHC	4.548	4.019	182.8E6	229.3E6	92.728	92.553
7) B delta-BHC	4.795	4.254	175.7E6	217.0E6	39.619	38.432
8) B Heptachlo...	5.721	4.864	194.9E6	244.9E6	51.055	49.600
9) A Endosulfan I	6.104	5.236	315.5E6	403.3E6	86.087	84.638
10) B gamma-Chl...	5.976	5.117	298.0E6	386.9E6	76.569	73.666
11) B alpha-Chl...	6.057	5.181	224.9E6	287.8E6	56.962	55.311
12) B 4,4'-DDE	6.227	5.366	251.9E6	353.3E6	68.669	65.895m
13) MA Dieldrin	6.378	5.501	306.1E6	405.5E6	79.321	76.514
14) MA Endrin	6.605	5.775	151.1E6	217.4E6	46.830	44.576m
15) B Endosulfa...	6.818	6.066	148.8E6	198.5E6	43.184	41.774m
16) A 4,4'-DDD	6.738	5.919	174.9E6	264.7E6	59.686	60.373m
17) MA 4,4'-DDT	7.052	6.173	83396845	135.9E6	30.829	28.411
18) B Endrin al...	6.947	6.245	74101825	104.6E6	30.651	30.269
19) B Endosulfa...	7.181	6.468	69746739	98447863	23.351	21.903
20) A Methoxychlor	7.525	6.742	39362246	72716829	30.864	27.796m
21) B Endrin ke...	7.661	6.972	209.4E6	342.3E6	66.128m	66.166m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 10:52
Operator : AR\AJ
Sample : Q1872-20DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

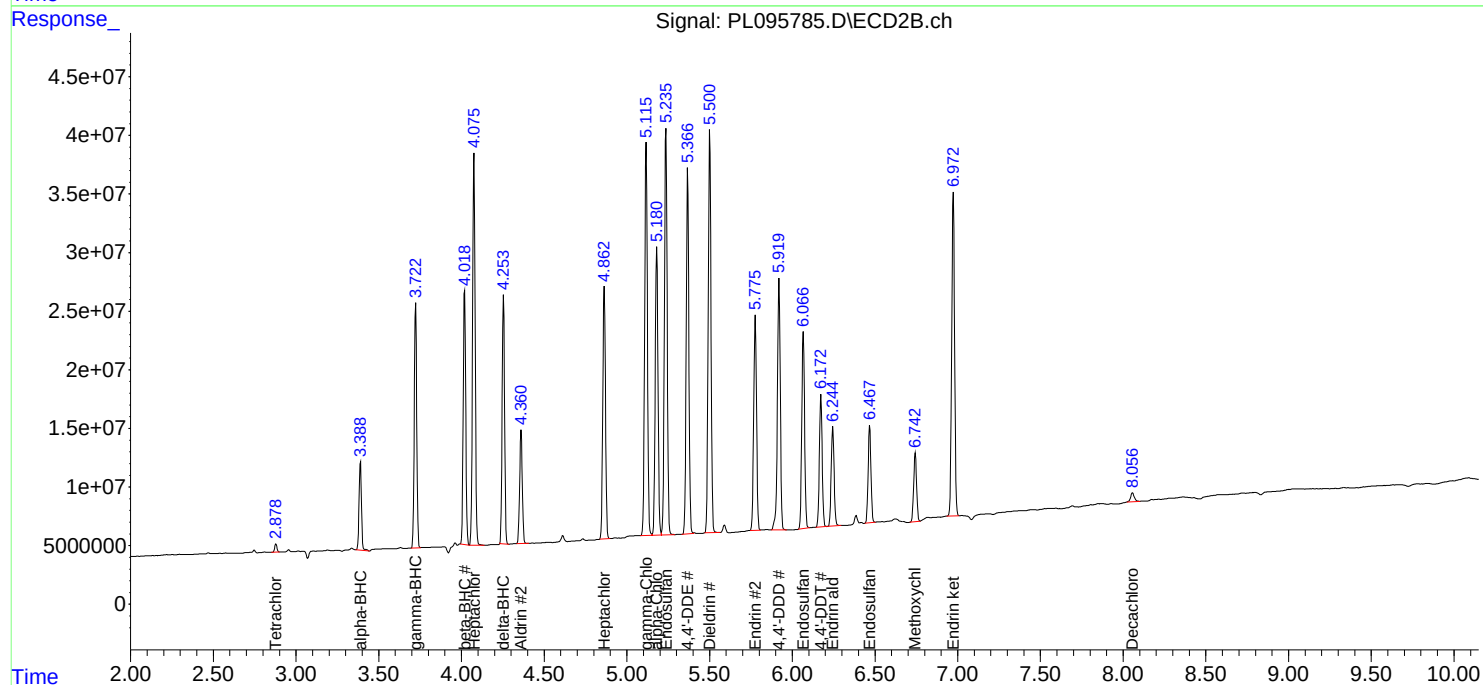
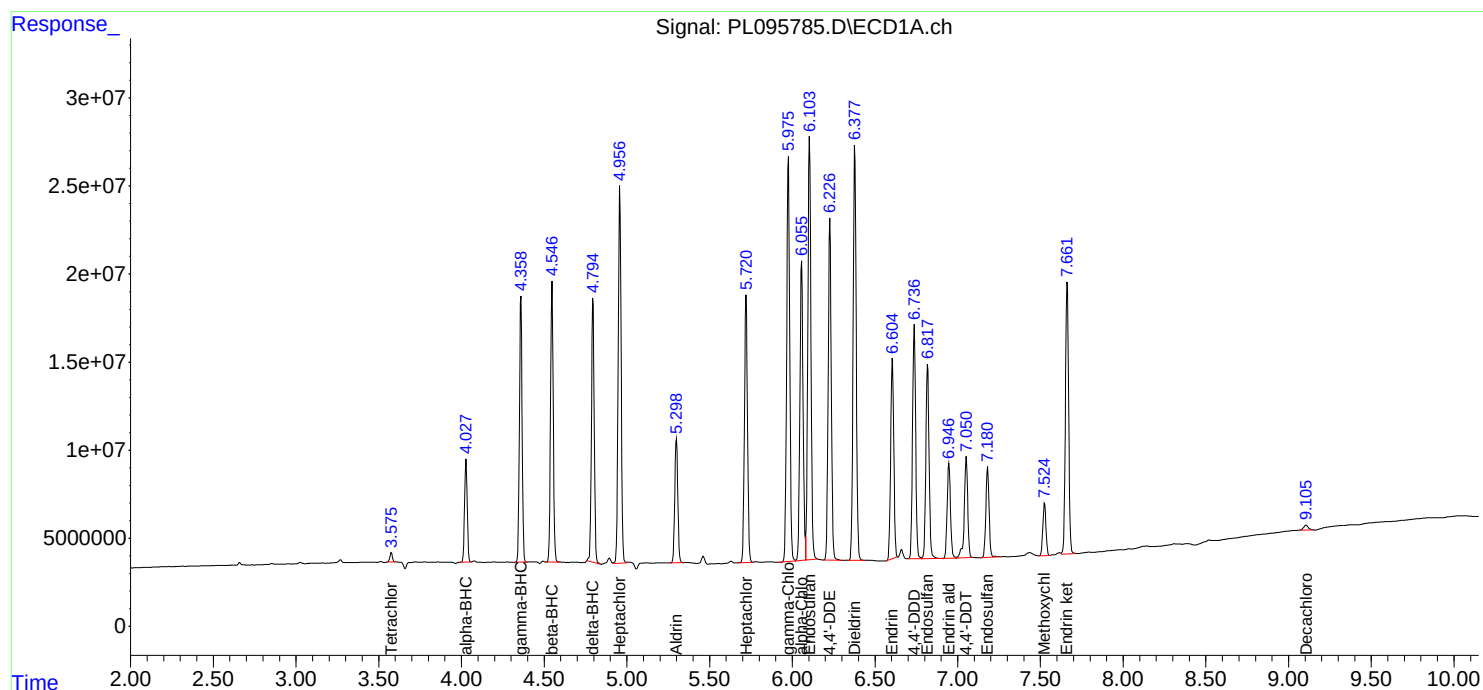
Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

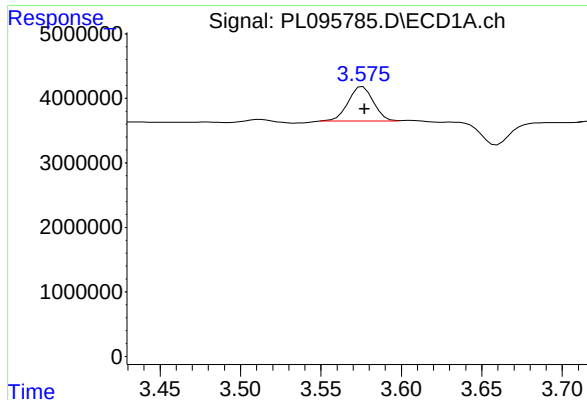
Manual Integrations
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Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





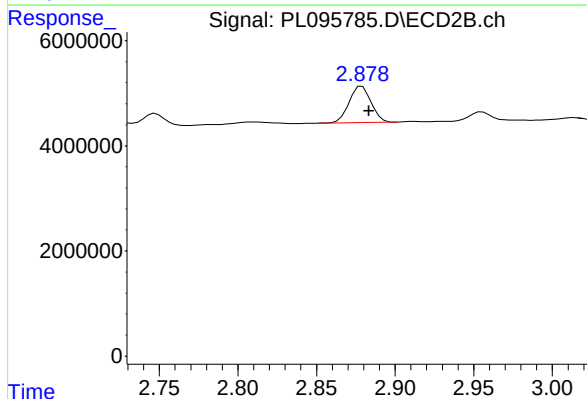
#1 Tetrachloro-m-xylene

R.T.: 3.575 min
Delta R.T.: -0.002 min
Response: 5794415
Conc: 1.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

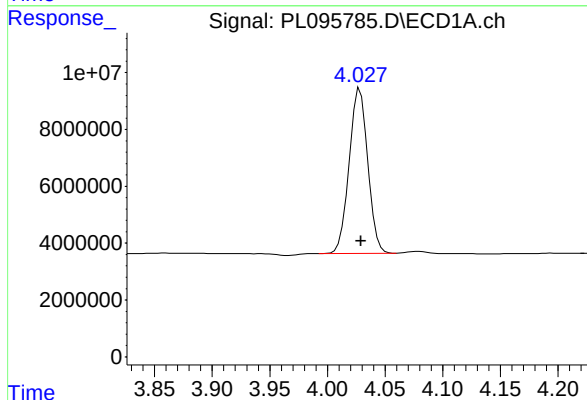
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



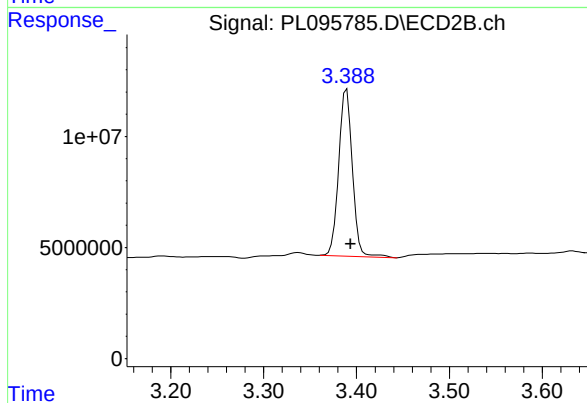
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.004 min
Response: 6706407
Conc: 1.71 ng/ml



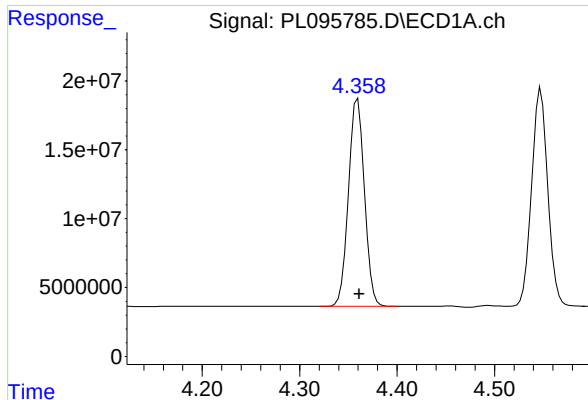
#2 alpha-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 64976122
Conc: 13.40 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.004 min
Response: 77288328
Conc: 13.20 ng/ml



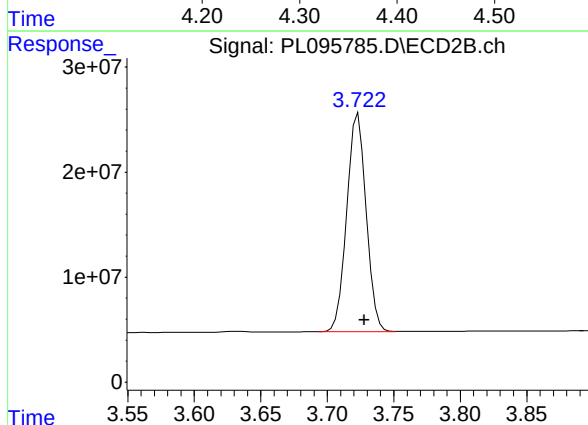
#3 gamma-BHC (Lindane)

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 170930403
Conc: 38.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

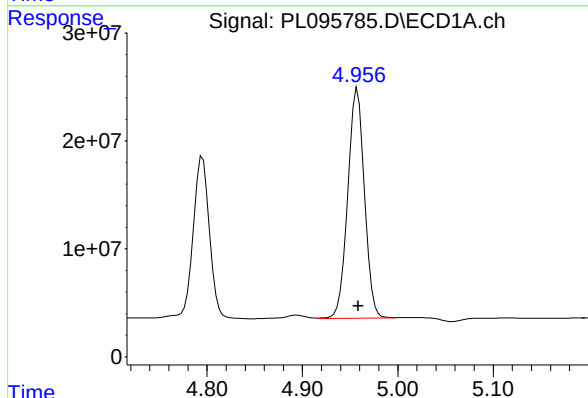
**Manual Integrations
APPROVED**

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Supervised By :mohammad ahmed 05/30/2025



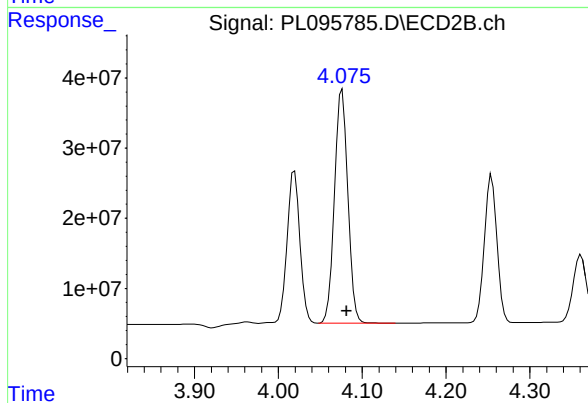
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.006 min
Response: 211480607
Conc: 37.76 ng/ml



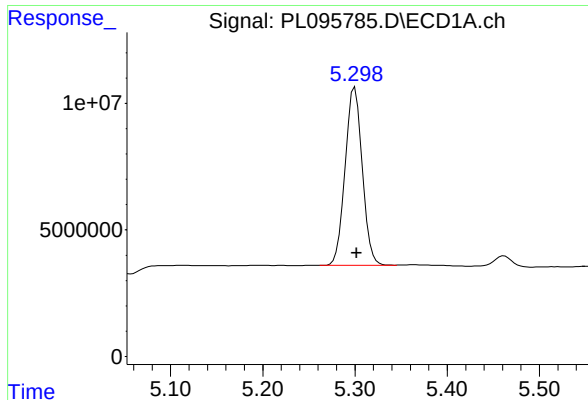
#4 Heptachlor

R.T.: 4.956 min
Delta R.T.: -0.003 min
Response: 260550306
Conc: 68.84 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: -0.005 min
Response: 370210133
Conc: 66.00 ng/ml



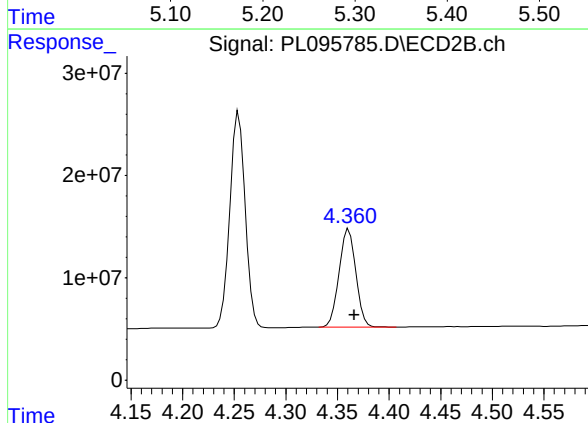
#5 Aldrin

R.T.: 5.300 min
Delta R.T.: -0.002 min
Response: 90582263
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

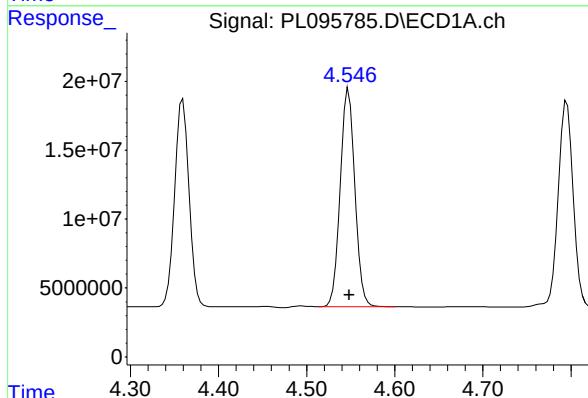
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



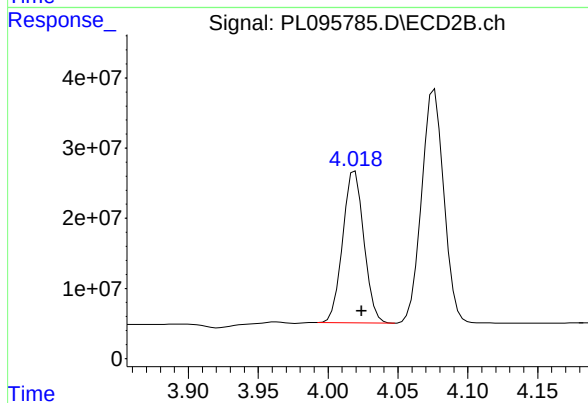
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.005 min
Response: 108474554
Conc: 20.44 ng/ml



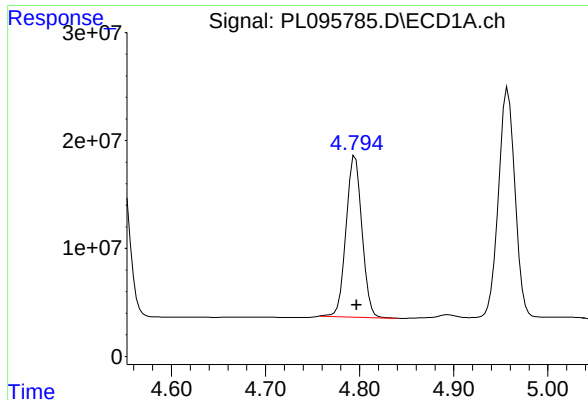
#6 beta-BHC

R.T.: 4.548 min
Delta R.T.: -0.001 min
Response: 182800682
Conc: 92.73 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.005 min
Response: 229304036
Conc: 92.55 ng/ml



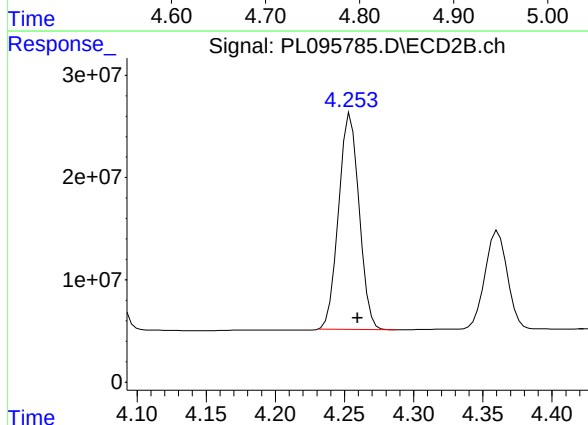
#7 delta-BHC

R.T.: 4.795 min
Delta R.T.: -0.001 min
Response: 175653513
Conc: 39.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

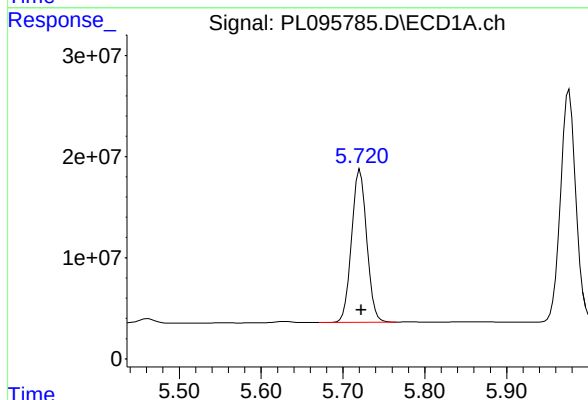
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



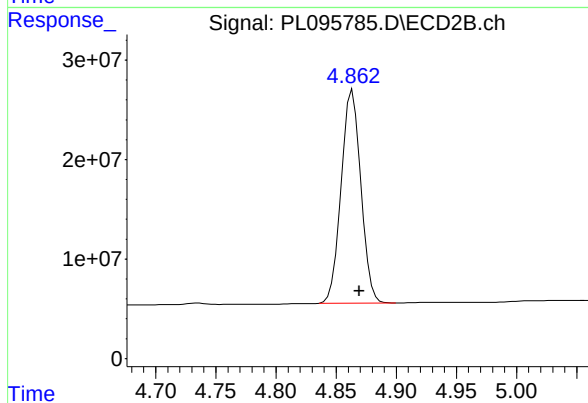
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 217039606
Conc: 38.43 ng/ml



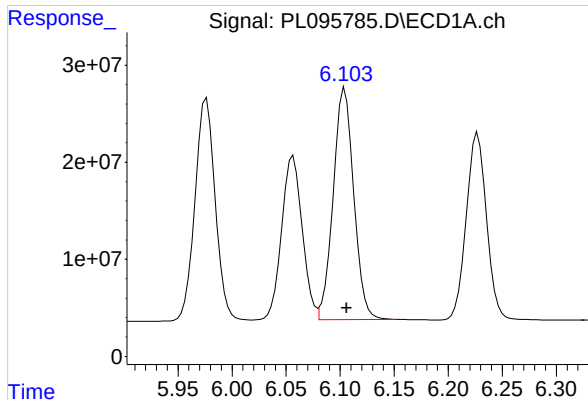
#8 Heptachlor epoxide

R.T.: 5.721 min
Delta R.T.: -0.001 min
Response: 194870820
Conc: 51.06 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.006 min
Response: 244896376
Conc: 49.60 ng/ml



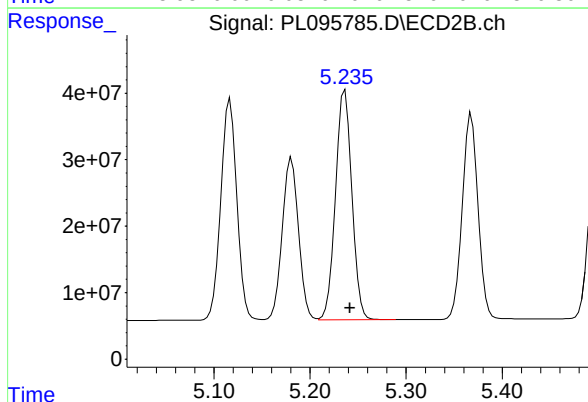
#9 Endosulfan I

R.T.: 6.104 min
Delta R.T.: -0.002 min
Response: 315495856
Conc: 86.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

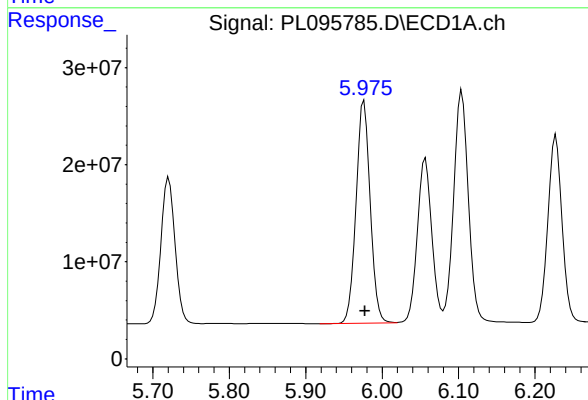
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



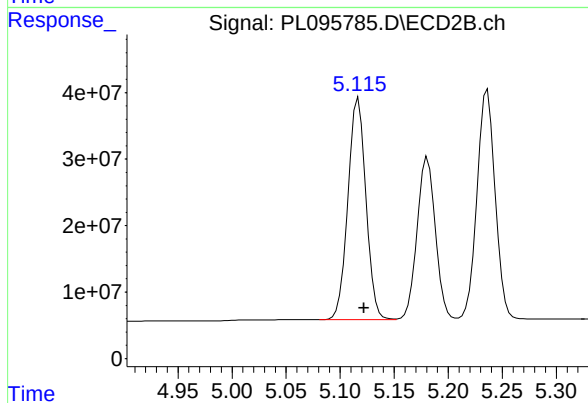
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.006 min
Response: 403300096
Conc: 84.64 ng/ml



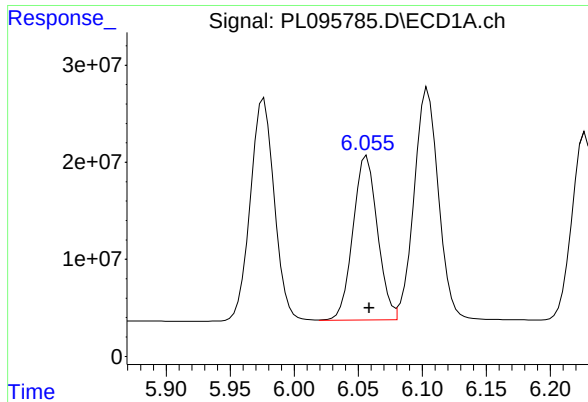
#10 gamma-Chlordane

R.T.: 5.976 min
Delta R.T.: -0.001 min
Response: 298014969
Conc: 76.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.005 min
Response: 386942414
Conc: 73.67 ng/ml



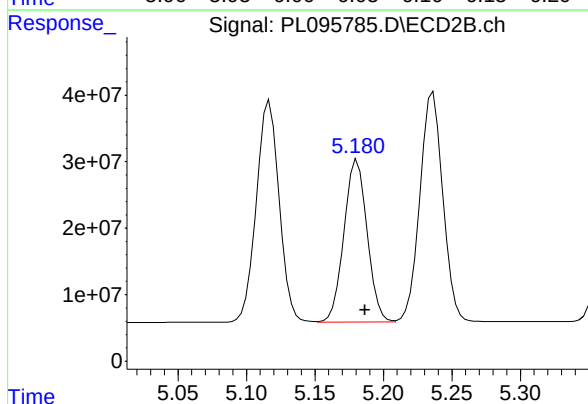
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.002 min
Response: 224895259
Conc: 56.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

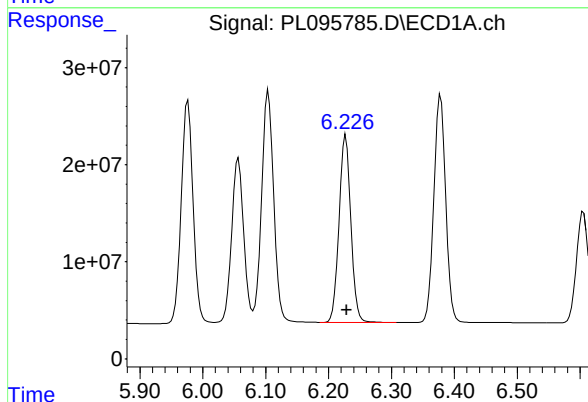
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



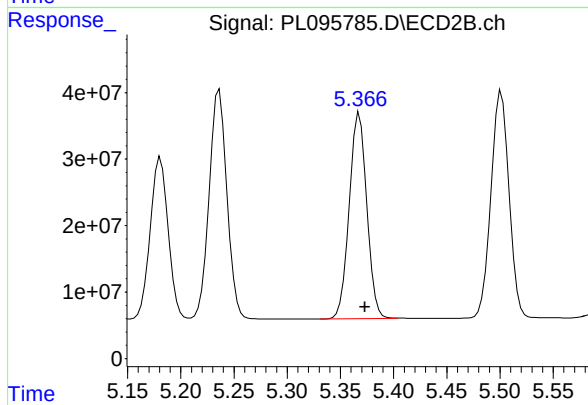
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 287767950
Conc: 55.31 ng/ml



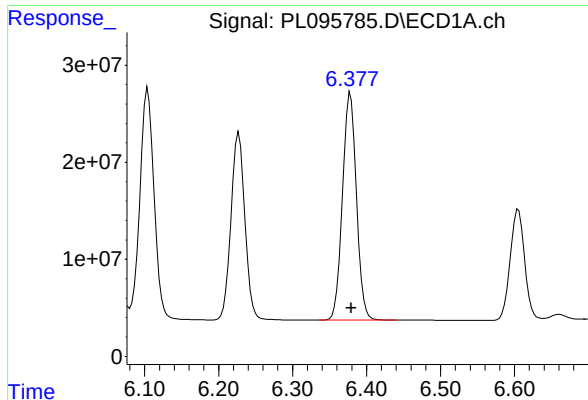
#12 4,4'-DDE

R.T.: 6.227 min
Delta R.T.: -0.002 min
Response: 251871256
Conc: 68.67 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.006 min
Response: 353340864
Conc: 65.90 ng/ml m



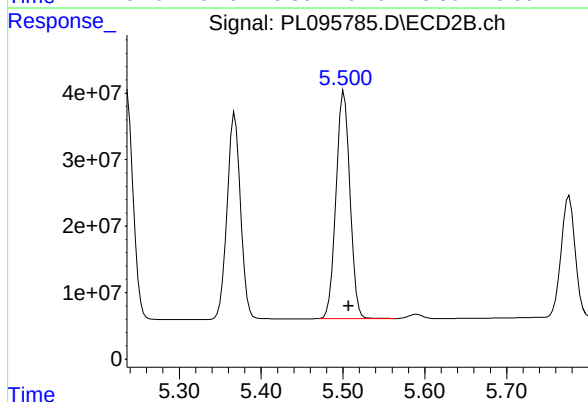
#13 Dieldrin

R.T.: 6.378 min
Delta R.T.: -0.001 min
Response: 306112906
Conc: 79.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

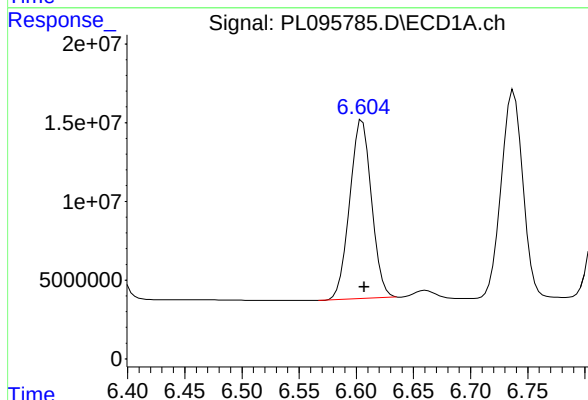
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



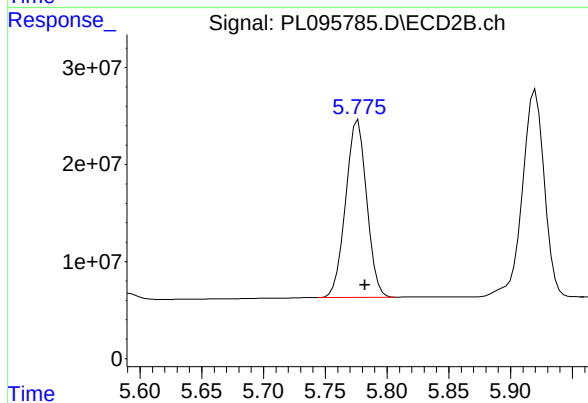
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.005 min
Response: 405530712
Conc: 76.51 ng/ml



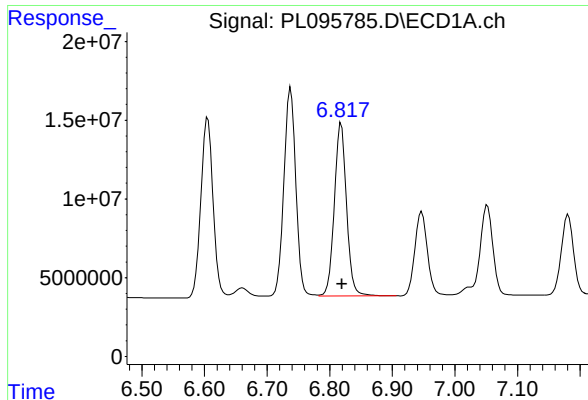
#14 Endrin

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 151110221
Conc: 46.83 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 217356379
Conc: 44.58 ng/ml m



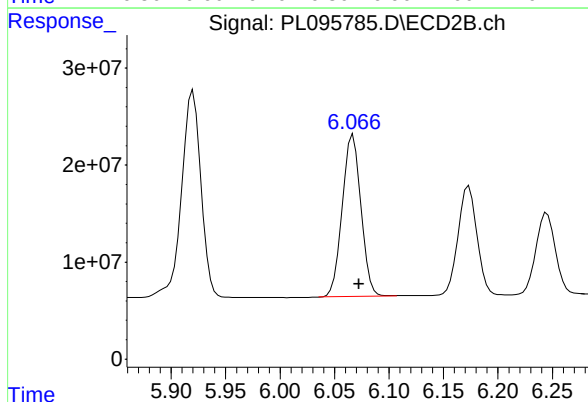
#15 Endosulfan II

R.T.: 6.818 min
Delta R.T.: -0.002 min
Response: 148814279
Conc: 43.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

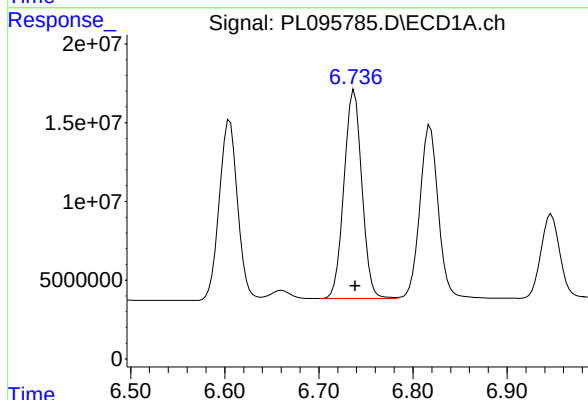
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



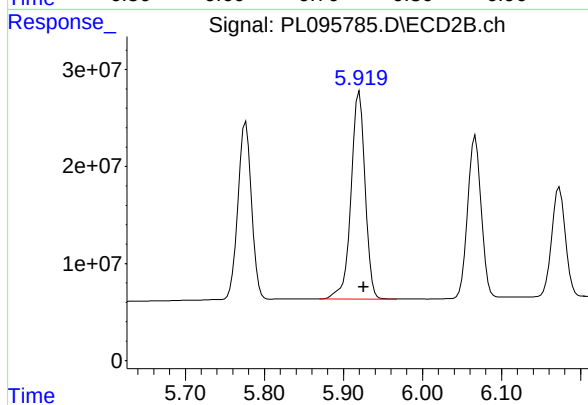
#15 Endosulfan II

R.T.: 6.066 min
Delta R.T.: -0.007 min
Response: 198498795
Conc: 41.77 ng/ml m



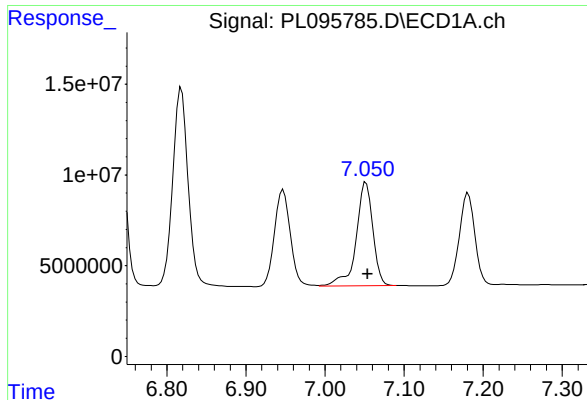
#16 4,4'-DDD

R.T.: 6.738 min
Delta R.T.: -0.001 min
Response: 174916661
Conc: 59.69 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.007 min
Response: 264729708
Conc: 60.37 ng/ml m



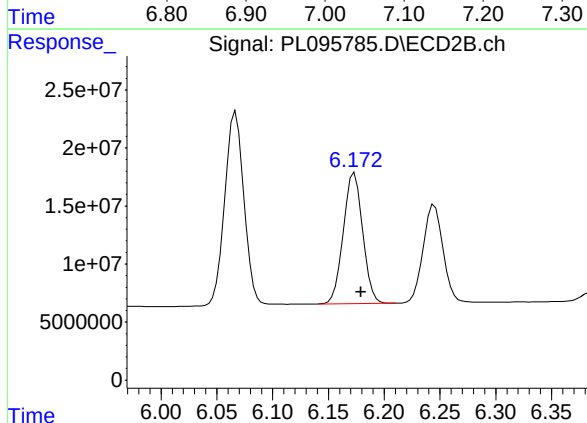
#17 4,4'-DDT

R.T.: 7.052 min
Delta R.T.: -0.002 min
Response: 83396845
Conc: 30.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

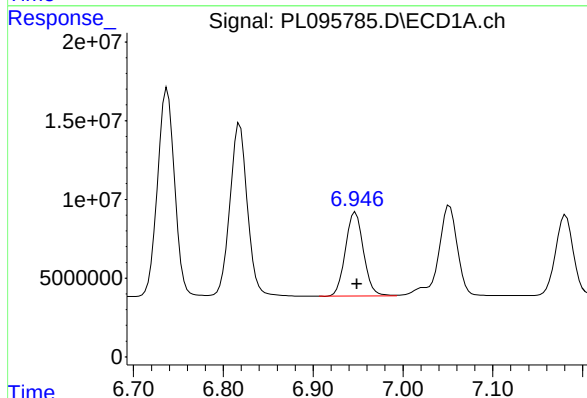
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



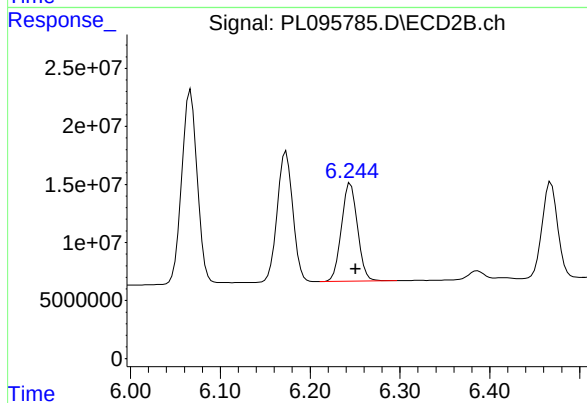
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.006 min
Response: 135878834
Conc: 28.41 ng/ml



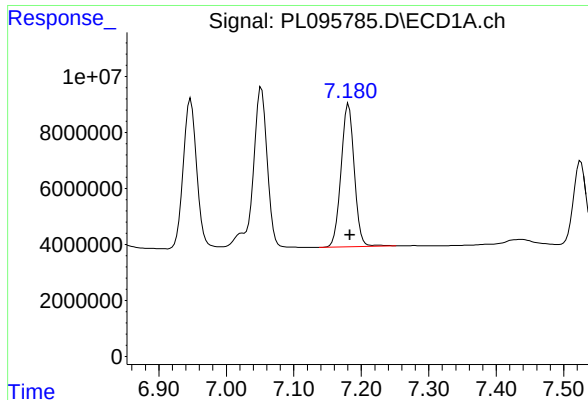
#18 Endrin aldehyde

R.T.: 6.947 min
Delta R.T.: -0.001 min
Response: 74101825
Conc: 30.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.006 min
Response: 104556906
Conc: 30.27 ng/ml



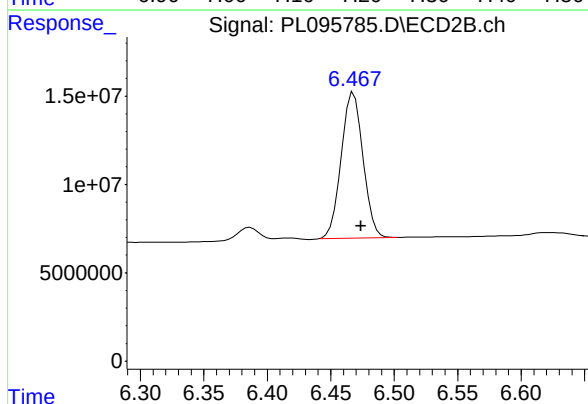
#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 69746739
Conc: 23.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

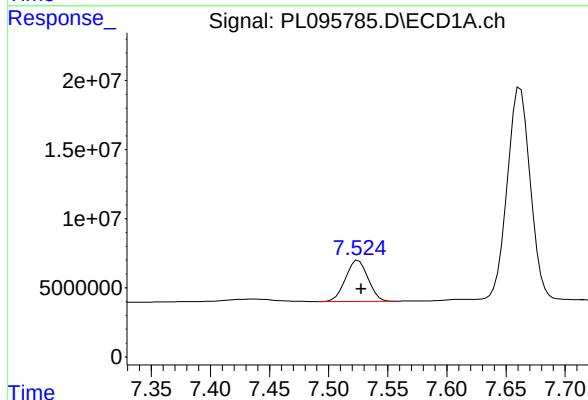
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



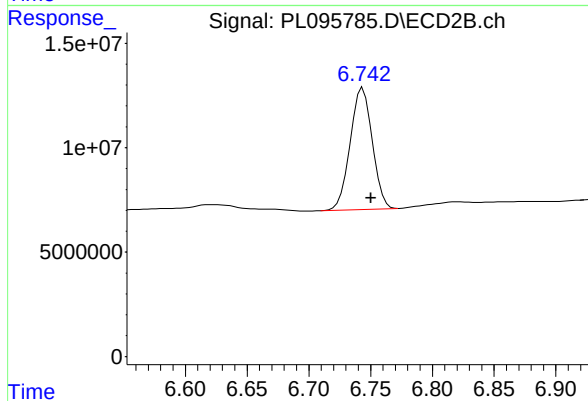
#19 Endosulfan Sulfate

R.T.: 6.468 min
Delta R.T.: -0.006 min
Response: 98447863
Conc: 21.90 ng/ml



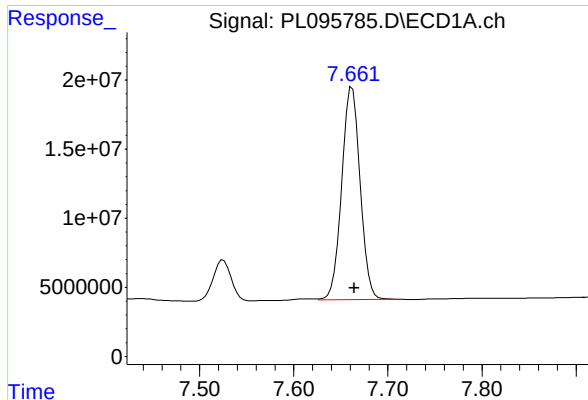
#20 Methoxychlor

R.T.: 7.525 min
Delta R.T.: -0.002 min
Response: 39362246
Conc: 30.86 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.008 min
Response: 72716829
Conc: 27.80 ng/ml m



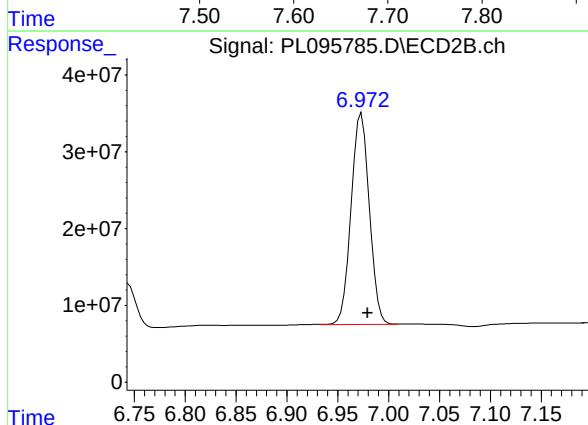
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: -0.004 min
Response: 209421125
Conc: 66.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOILDL

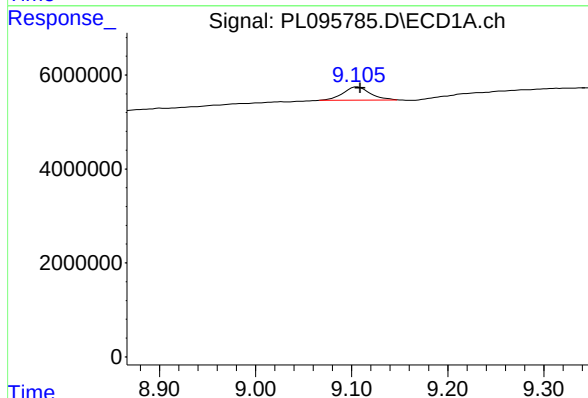
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



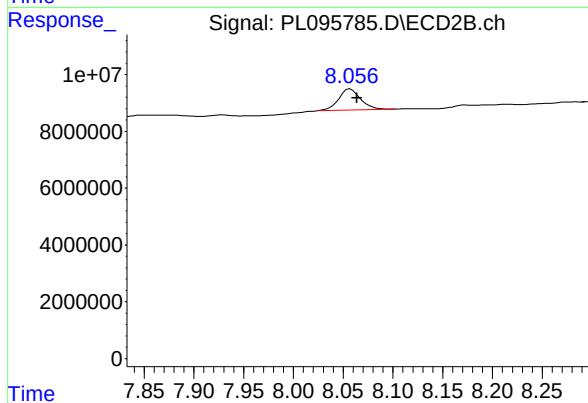
#21 Endrin ketone

R.T.: 6.972 min
Delta R.T.: -0.008 min
Response: 342332547
Conc: 66.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 5480073
Conc: 2.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.007 min
Response: 11450848
Conc: 2.62 ng/ml



CALIBRATION SUMMARY

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872
Instrument ID: ECD_L
Calibration Date(s): 05/21/2025 05/21/2025
Calibration Times: 11:35 12:29
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL095735.D</u>		CF 075 = <u>PL095736.D</u>			
CF 050 = <u>PL095737.D</u>		CF 025 = <u>PL095738.D</u>		CF 005 = <u>PL095739.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3029170000	2897950000	2890660000	2805810000	3029440000	2930610000	3
4,4'-DDE	3753620000	3658270000	3631690000	3489800000	3806130000	3667900000	3
4,4'-DDT	2712830000	2654360000	2650610000	2590070000	2917840000	2705140000	5
Aldrin	4347110000	4211420000	4211170000	4079190000	4539770000	4277730000	4
alpha-BHC	5055140000	4887150000	4799900000	4583430000	4914010000	4847930000	4
alpha-Chlordane	3936090000	3857140000	3869930000	3816090000	4261610000	3948170000	5
beta-BHC	1911140000	1892640000	1930210000	1931530000	2191310000	1971370000	6
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
delta-BHC	4510360000	4418490000	4383980000	4233750000	4621480000	4433610000	3
Dieldrin	3903950000	3813000000	3813820000	3708570000	4056580000	3859180000	3
Endosulfan I	3625480000	3571730000	3593970000	3550090000	3982900000	3664830000	5
Endosulfan II	3313830000	3256160000	3325550000	3384990000	3949720000	3446050000	8
Endosulfan sulfate	2925470000	2895950000	2926550000	2906380000	3280250000	2986920000	6
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
Endrin aldehyde	2356490000	2323760000	2365700000	2353750000	2688400000	2417620000	6
Endrin ketone	3179290000	3121440000	3135900000	3068650000	3329290000	3166910000	3
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
gamma-Chlordane	3946420000	3852300000	3845310000	3754890000	4061530000	3892090000	3
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Mirex	2238560000	2242320000	2272290000	2280840000	2534840000	2313770000	5
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872
Instrument ID: ECD_L
Calibration Date(s): 05/21/2025 05/21/2025
Calibration Times: 11:35 12:29
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL095735.D</u>		CF 075 = <u>PL095736.D</u>			
CF 050 = <u>PL095737.D</u>		CF 025 = <u>PL095738.D</u>		CF 005 = <u>PL095739.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4445580000	4366880000	4404380000	4229840000	4477970000	4384930000	2
4,4'-DDE	5328200000	5286620000	5342960000	5185270000	5667730000	5362160000	3
4,4'-DDT	4834370000	4768870000	4805750000	4636730000	4867260000	4782600000	2
Aldrin	5413270000	5337420000	5359250000	5094120000	5331460000	5307100000	2
alpha-BHC	6120380000	5984780000	5956690000	5567970000	5656920000	5857350000	4
alpha-Chlordane	5212180000	5117720000	5169640000	5059150000	5455120000	5202760000	3
beta-BHC	2433740000	2431120000	2471290000	2436550000	2615060000	2477550000	3
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
delta-BHC	5855570000	5710500000	5700250000	5411210000	5559290000	5647370000	3
Dieldrin	5312990000	5256750000	5296490000	5103800000	5530570000	5300120000	3
Endosulfan I	4730980000	4708290000	4767730000	4668460000	4949420000	4764970000	2
Endosulfan II	4687260000	4644550000	4721900000	4610060000	5095140000	4751780000	4
Endosulfan sulfate	4396050000	4376160000	4475180000	4410280000	4816080000	4494750000	4
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
Endrin aldehyde	3353000000	3342650000	3418100000	3365440000	3792270000	3454290000	6
Endrin ketone	5025560000	5055710000	5163390000	5096070000	5528620000	5173870000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
gamma-Chlordane	5300820000	5202550000	5232880000	5068800000	5458400000	5252690000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Mirex	3858500000	3799020000	3989630000	4032860000	4622490000	4060500000	8
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095735.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:17:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.577	2.883	310.0E6	390.8E6	101.104	101.593
2)	SA Decachlor...	9.109	8.064	229.6E6	430.7E6	99.657	97.356
Target Compounds							
2)	A alpha-BHC	4.029	3.394	505.5E6	612.0E6	105.318	102.748
3)	MA gamma-BHC...	4.361	3.728	458.8E6	573.9E6	104.259	101.533
4)	MA Heptachlor	4.959	4.081	380.4E6	566.0E6	102.217	100.862
5)	MB Aldrin	5.302	4.366	434.7E6	541.3E6	103.228	101.008
6)	B beta-BHC	4.549	4.024	191.1E6	243.4E6	99.012	98.480
7)	B delta-BHC	4.797	4.259	451.0E6	585.6E6	102.883	102.725
8)	B Heptachlo...	5.722	4.869	372.8E6	485.4E6	99.910	98.188
9)	A Endosulfan I	6.106	5.242	362.5E6	473.1E6	100.877	99.229
10)	B gamma-Chl...	5.977	5.122	394.6E6	530.1E6	102.630	101.298
11)	B alpha-Chl...	6.059	5.186	393.6E6	521.2E6	101.710	100.823
12)	B 4,4'-DDE	6.229	5.373	375.4E6	532.8E6	103.357	99.724
13)	MA Dieldrin	6.379	5.507	390.4E6	531.3E6	102.363	100.311
14)	MA Endrin	6.607	5.782	318.7E6	478.1E6	100.051	98.766
15)	B Endosulfa...	6.820	6.073	331.4E6	468.7E6	99.648	99.267
16)	A 4,4'-DDD	6.739	5.926	302.9E6	444.6E6	104.792	100.935
17)	MA 4,4'-DDT	7.054	6.179	271.3E6	483.4E6	102.347	100.596
18)	B Endrin al...	6.949	6.251	235.6E6	335.3E6	99.611	98.095
19)	B Endosulfa...	7.183	6.474	292.5E6	439.6E6	99.963	98.232
20)	A Methoxychlor	7.528	6.750	125.3E6	250.4E6	99.301	96.572
21)	B Endrin ke...	7.664	6.979	317.9E6	502.6E6	101.384	97.331
22)	Mirex	8.145	7.173	223.9E6	385.9E6	98.516	96.713

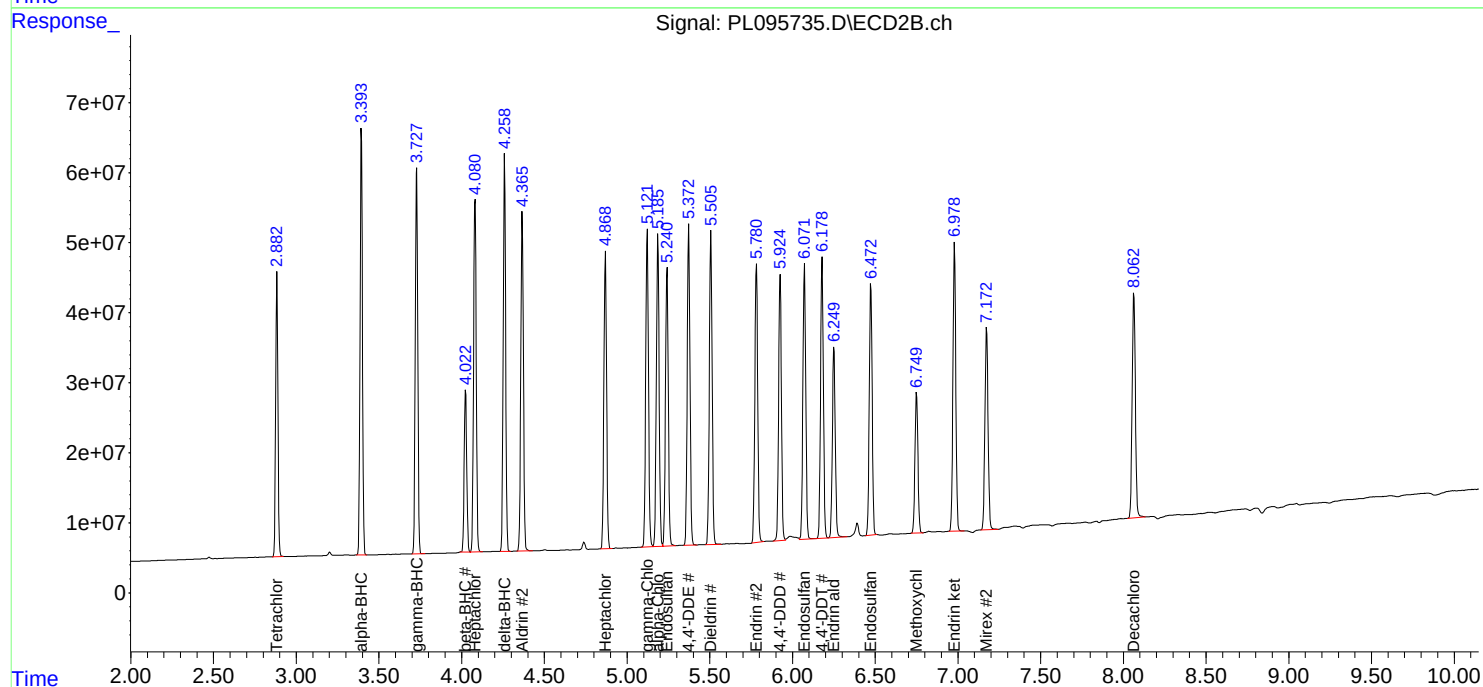
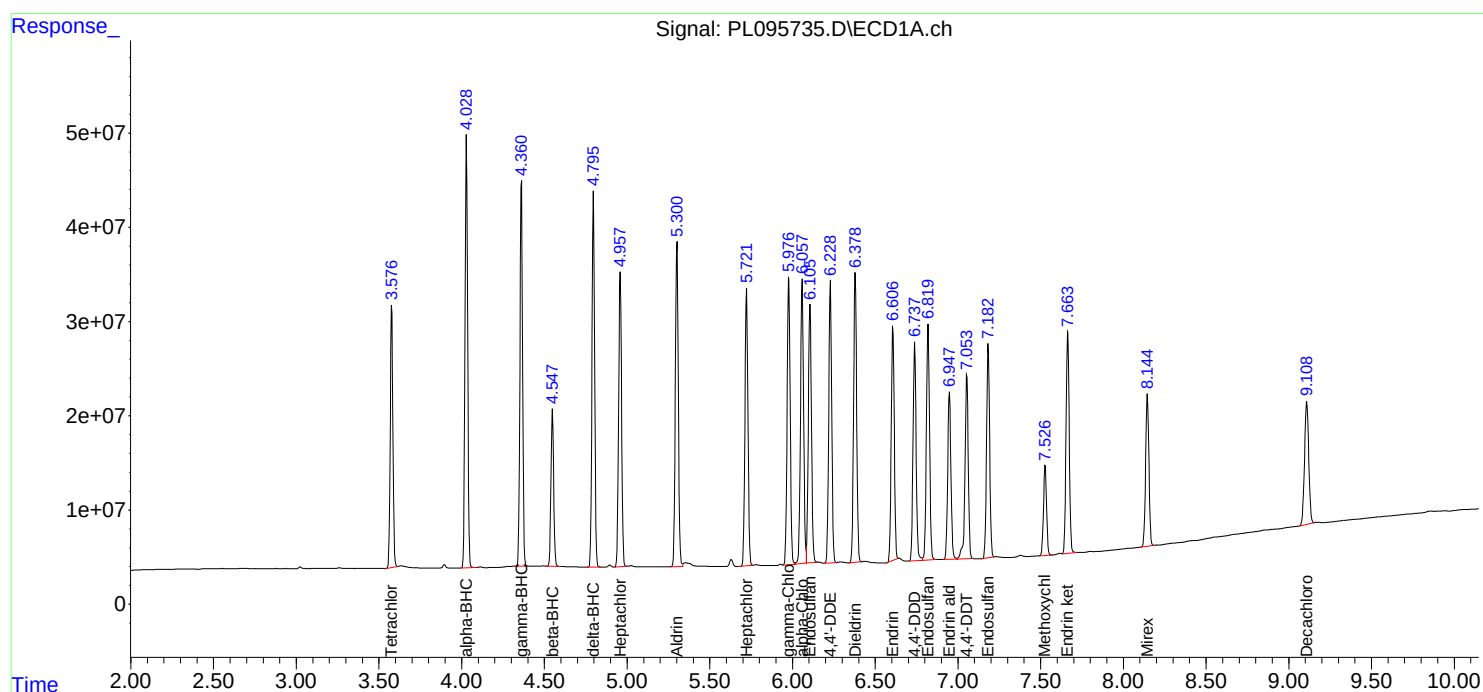
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

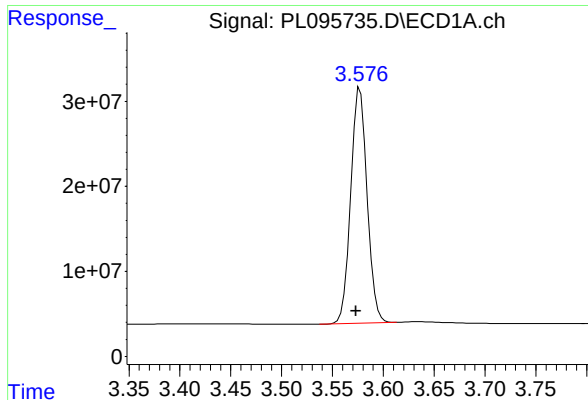
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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 x0.25µm

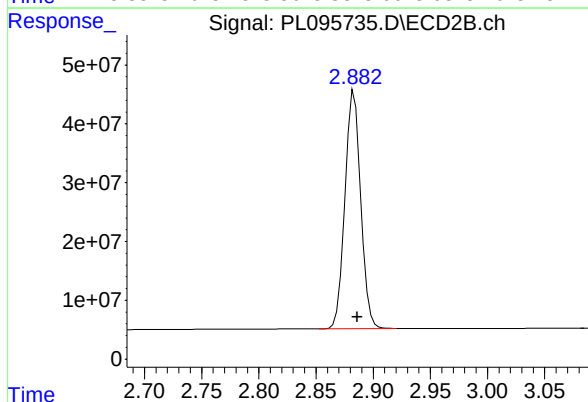




#1 Tetrachloro-m-xylene

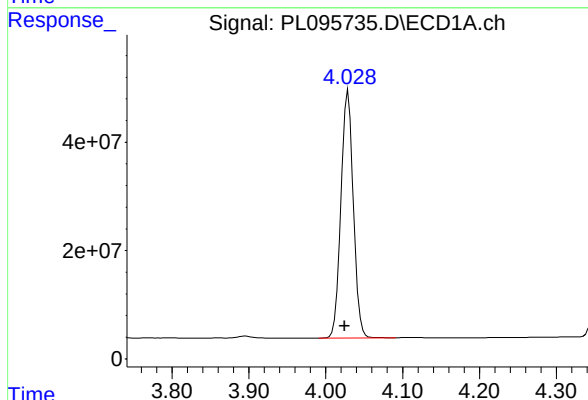
R.T.: 3.577 min
Delta R.T.: 0.004 min
Response: 309967135
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



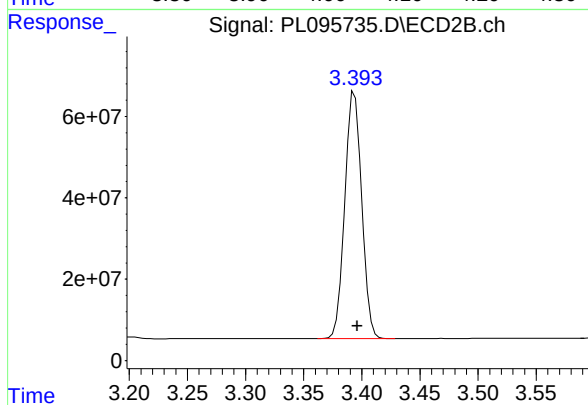
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: -0.003 min
Response: 390827148
Conc: 101.59 ng/ml



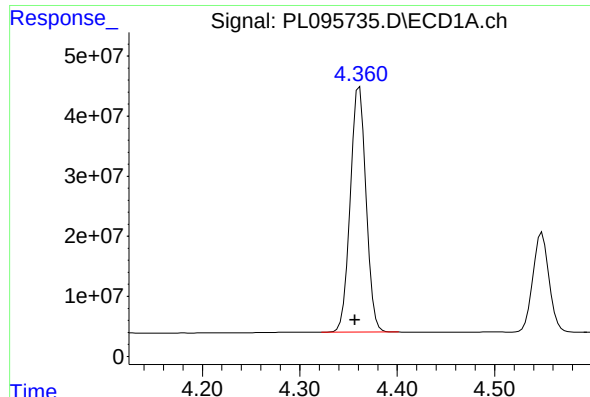
#2 alpha-BHC

R.T.: 4.029 min
Delta R.T.: 0.004 min
Response: 505514453
Conc: 105.32 ng/ml



#2 alpha-BHC

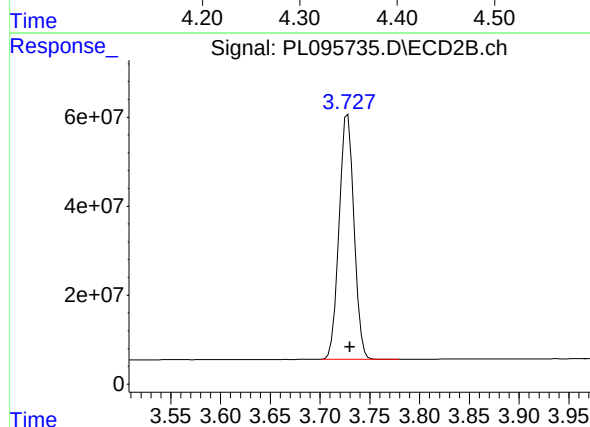
R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 612037541
Conc: 102.75 ng/ml



#3 gamma-BHC (Lindane)

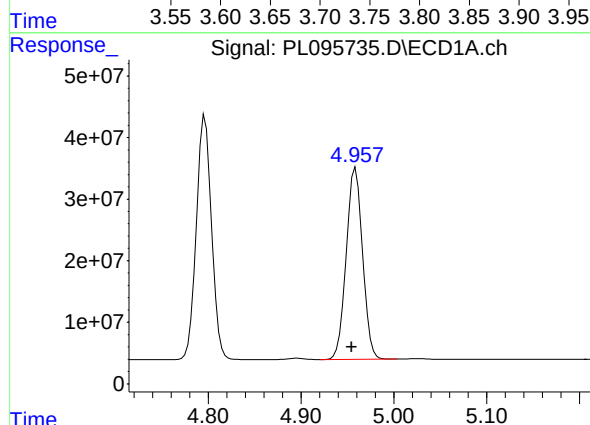
R.T.: 4.361 min
Delta R.T.: 0.005 min
Response: 458819255
Conc: 104.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



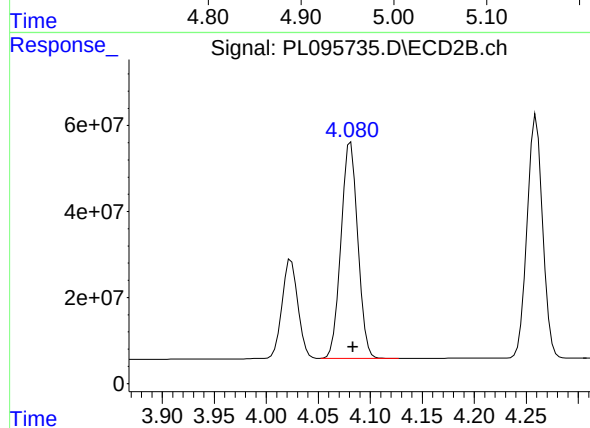
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 573883592
Conc: 101.53 ng/ml



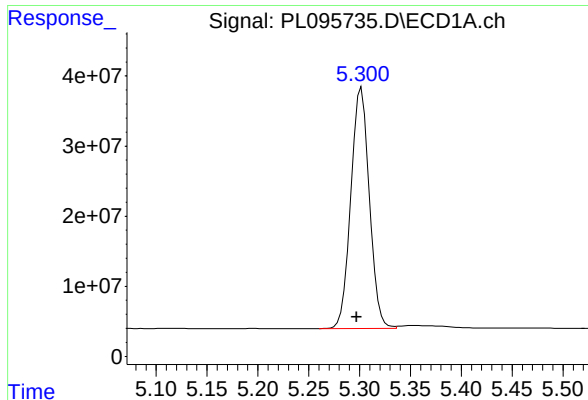
#4 Heptachlor

R.T.: 4.959 min
Delta R.T.: 0.004 min
Response: 380403769
Conc: 102.22 ng/ml



#4 Heptachlor

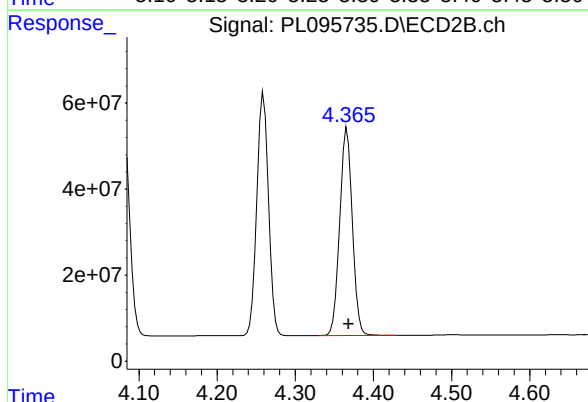
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 566013076
Conc: 100.86 ng/ml



#5 Aldrin

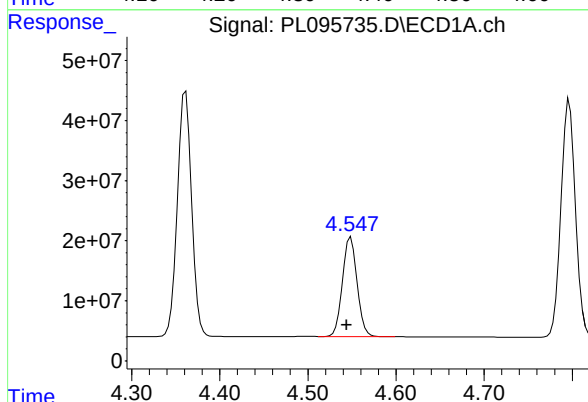
R.T.: 5.302 min
Delta R.T.: 0.005 min
Response: 434711407
Conc: 103.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



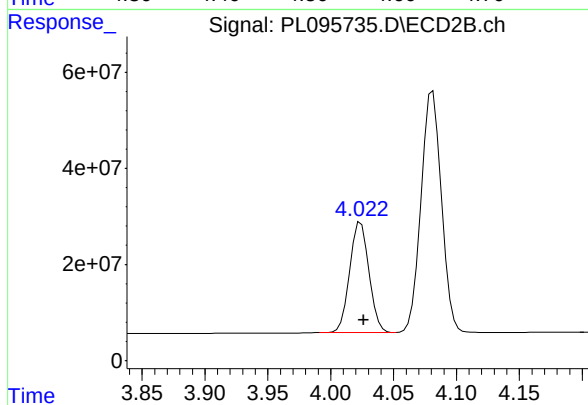
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.002 min
Response: 541326673
Conc: 101.01 ng/ml



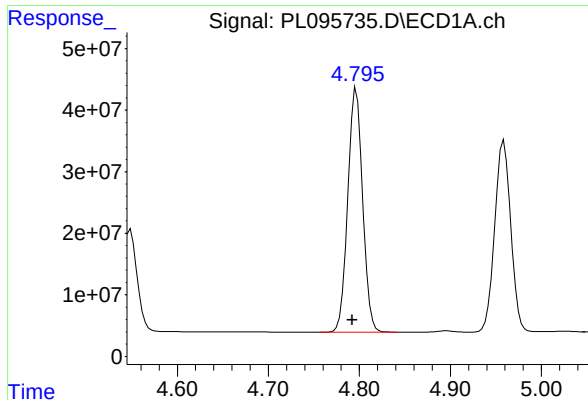
#6 beta-BHC

R.T.: 4.549 min
Delta R.T.: 0.005 min
Response: 191114454
Conc: 99.01 ng/ml



#6 beta-BHC

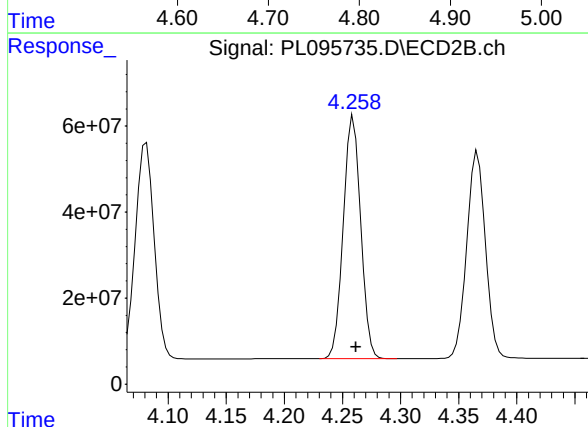
R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 243373888
Conc: 98.48 ng/ml



#7 delta-BHC

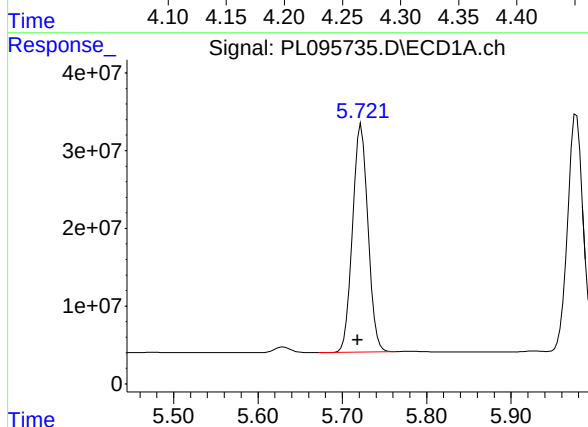
R.T.: 4.797 min
Delta R.T.: 0.004 min
Response: 451035540
Conc: 102.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



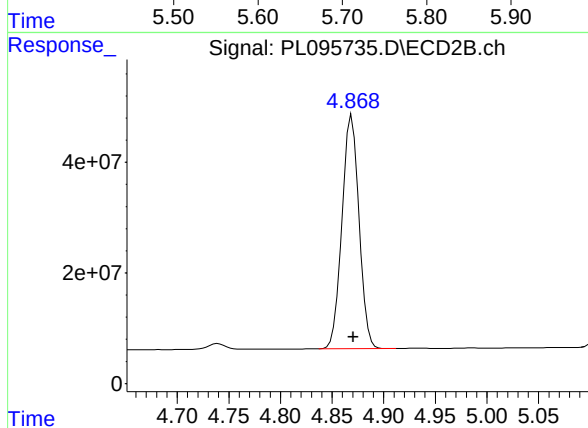
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: -0.002 min
Response: 585557302
Conc: 102.72 ng/ml



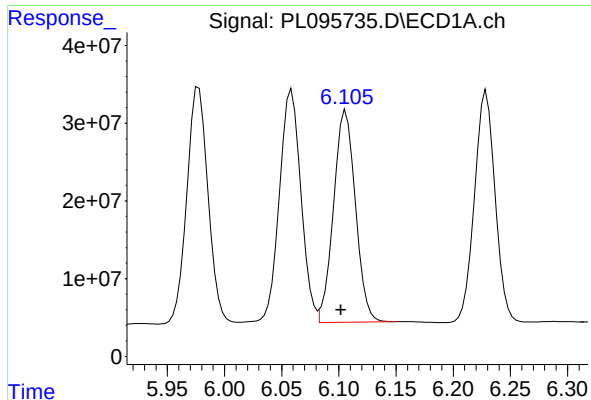
#8 Heptachlor epoxide

R.T.: 5.722 min
Delta R.T.: 0.004 min
Response: 372771177
Conc: 99.91 ng/ml



#8 Heptachlor epoxide

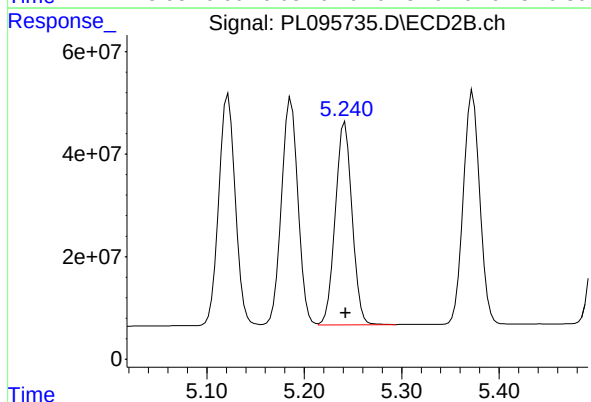
R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 485424902
Conc: 98.19 ng/ml



#9 Endosulfan I

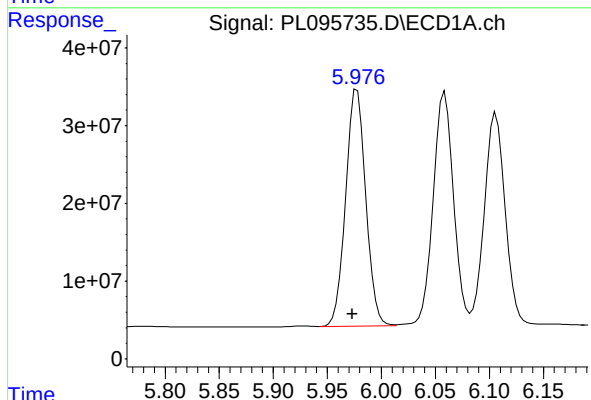
R.T.: 6.106 min
Delta R.T.: 0.004 min
Response: 362547891
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



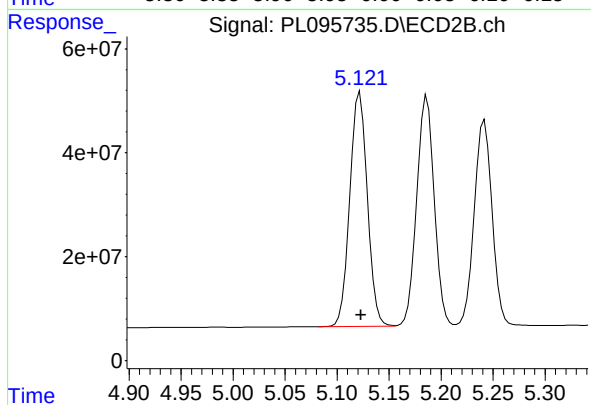
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 473097596
Conc: 99.23 ng/ml



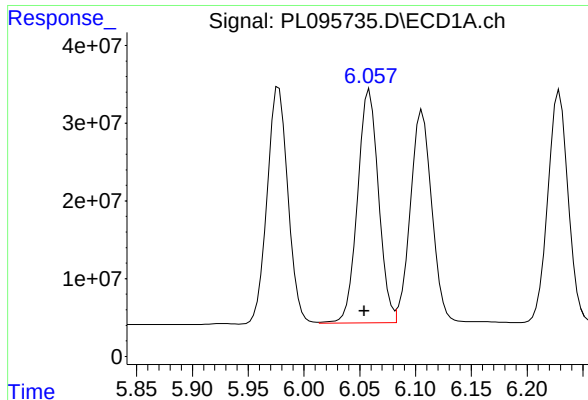
#10 gamma-Chlordane

R.T.: 5.977 min
Delta R.T.: 0.004 min
Response: 394642257
Conc: 102.63 ng/ml



#10 gamma-Chlordane

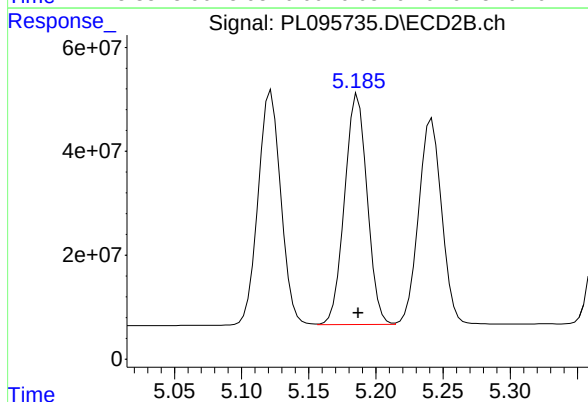
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 530081890
Conc: 101.30 ng/ml



#11 alpha-Chlordane

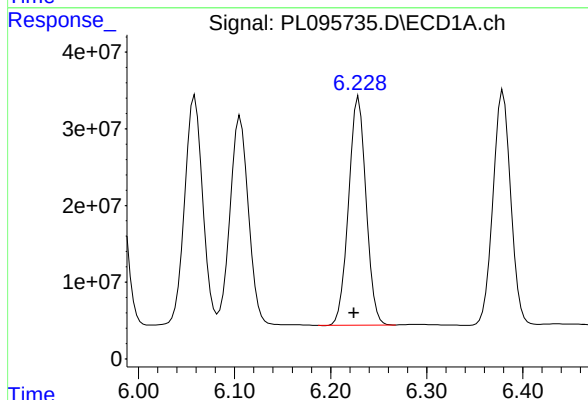
R.T.: 6.059 min
Delta R.T.: 0.005 min
Response: 393609484
Conc: 101.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



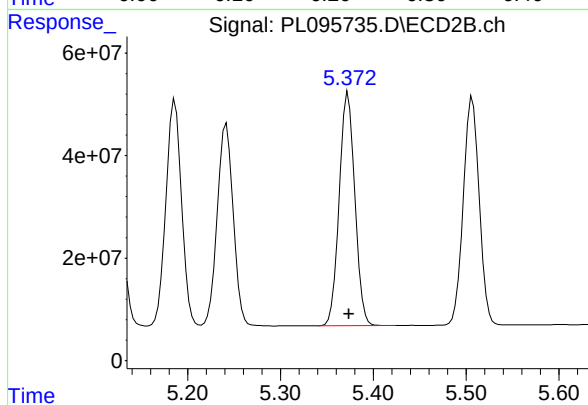
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 521218298
Conc: 100.82 ng/ml



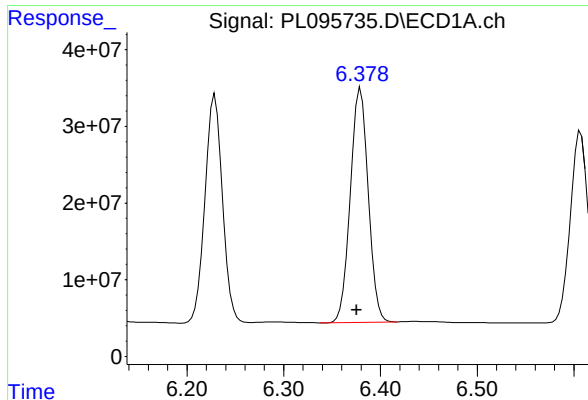
#12 4,4'-DDE

R.T.: 6.229 min
Delta R.T.: 0.005 min
Response: 375361734
Conc: 103.36 ng/ml



#12 4,4'-DDE

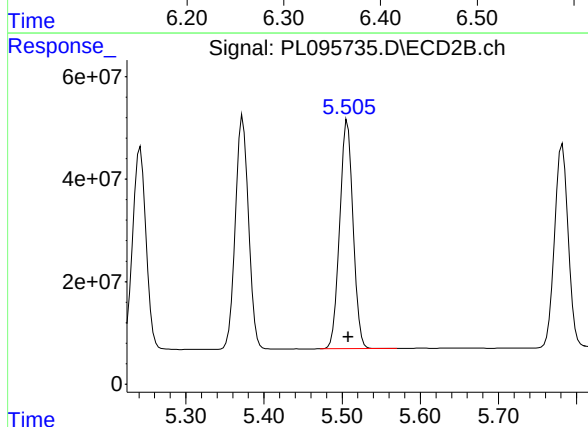
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 532820175
Conc: 99.72 ng/ml



#13 Dieldrin

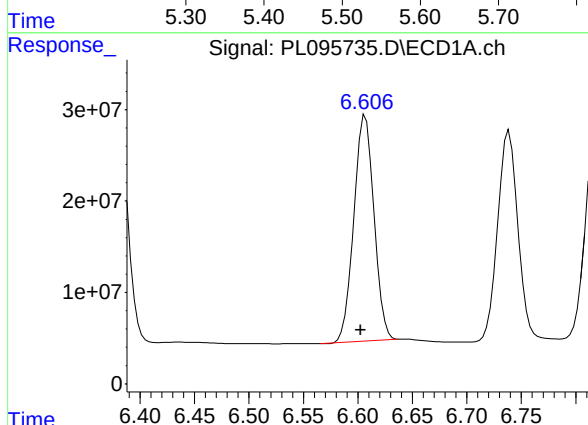
R.T.: 6.379 min
Delta R.T.: 0.004 min
Response: 390395480
Conc: 102.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



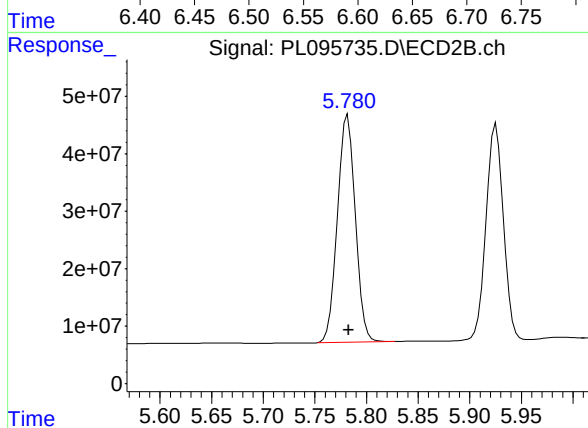
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 531298638
Conc: 100.31 ng/ml



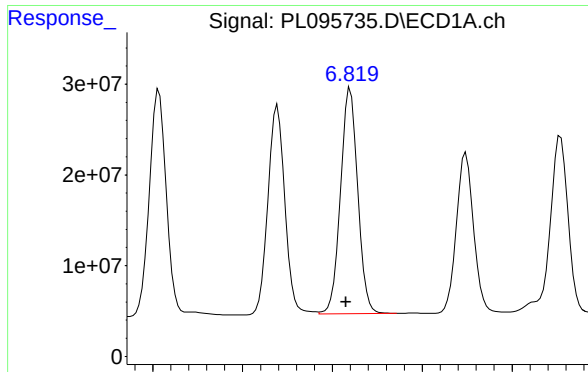
#14 Endrin

R.T.: 6.607 min
Delta R.T.: 0.005 min
Response: 318694523
Conc: 100.05 ng/ml



#14 Endrin

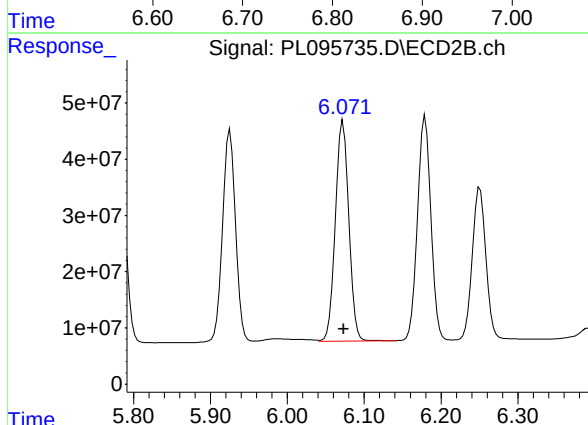
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 478136475
Conc: 98.77 ng/ml



#15 Endosulfan II

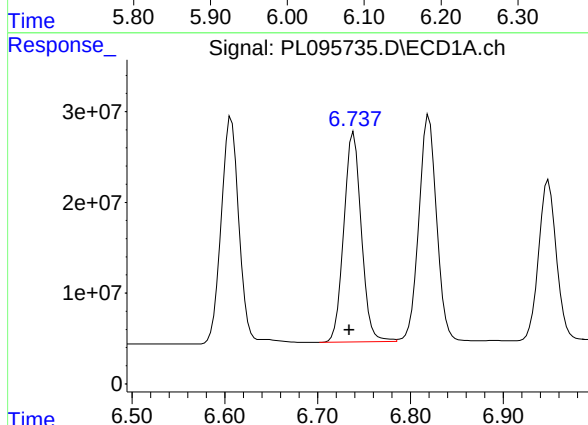
R.T.: 6.820 min
Delta R.T.: 0.005 min
Response: 331382885
Conc: 99.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



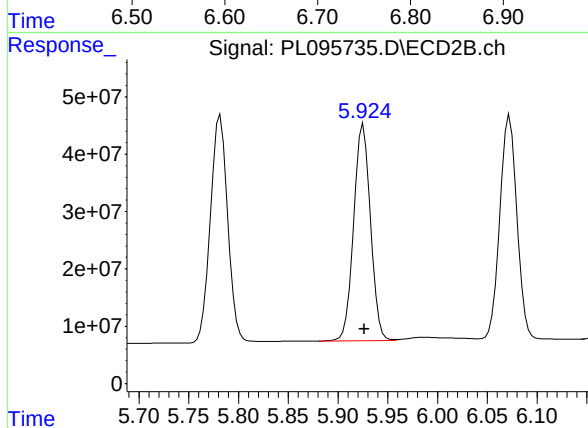
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 468726407
Conc: 99.27 ng/ml



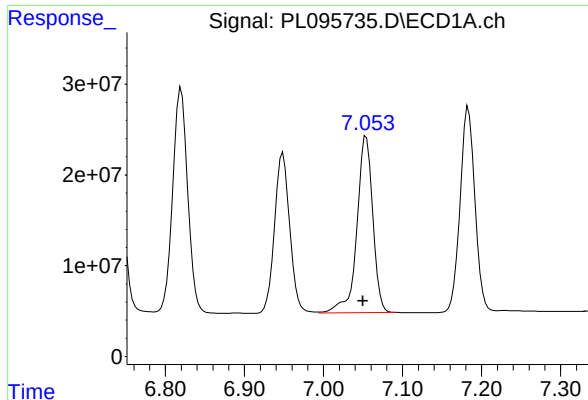
#16 4,4'-DDD

R.T.: 6.739 min
Delta R.T.: 0.004 min
Response: 302917352
Conc: 104.79 ng/ml



#16 4,4'-DDD

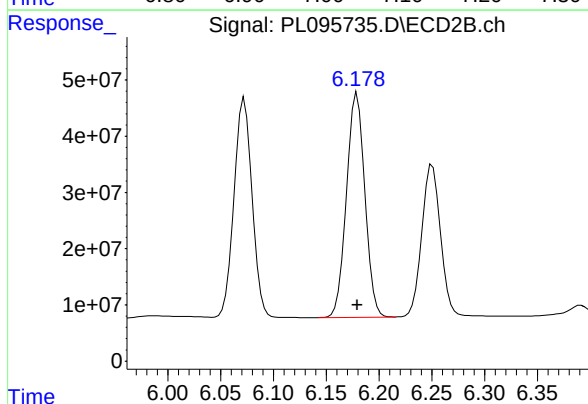
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 444557983
Conc: 100.94 ng/ml



#17 4,4'-DDT

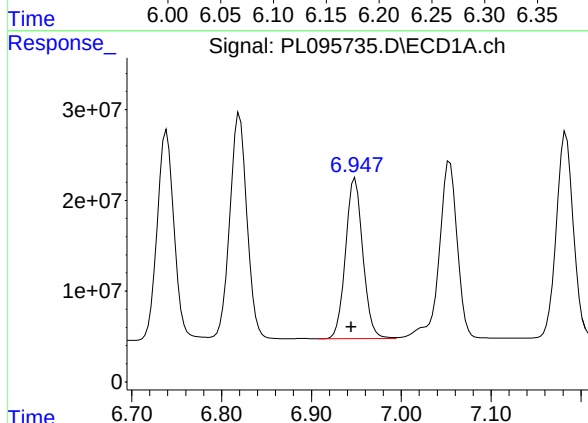
R.T.: 7.054 min
Delta R.T.: 0.004 min
Response: 271282896
Conc: 102.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



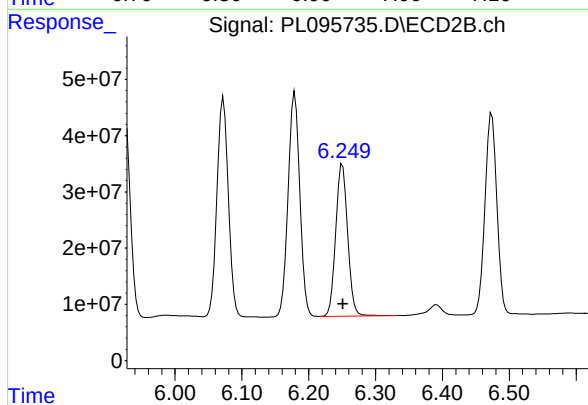
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 483436918
Conc: 100.60 ng/ml



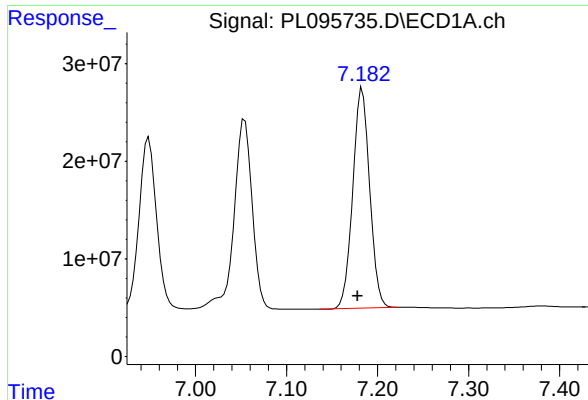
#18 Endrin aldehyde

R.T.: 6.949 min
Delta R.T.: 0.004 min
Response: 235648707
Conc: 99.61 ng/ml



#18 Endrin aldehyde

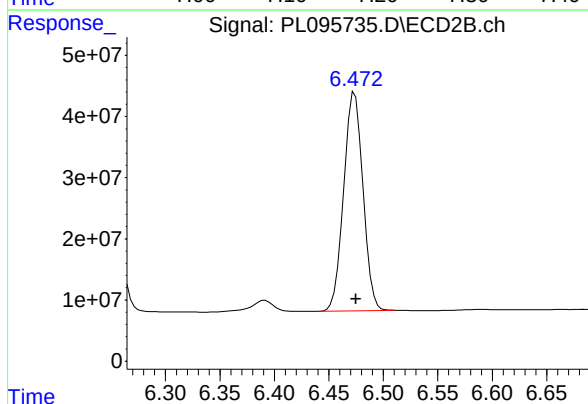
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 335299519
Conc: 98.10 ng/ml



#19 Endosulfan Sulfate

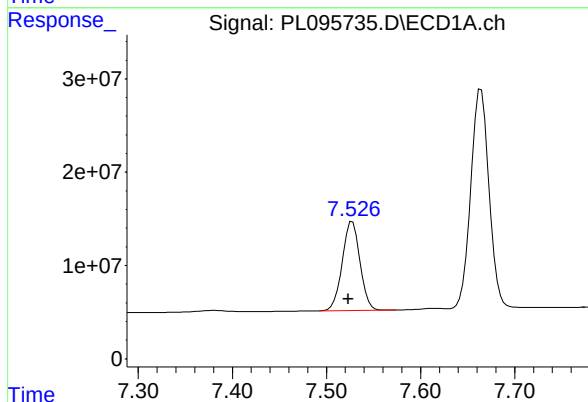
R.T.: 7.183 min
Delta R.T.: 0.005 min
Response: 292546886
Conc: 99.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



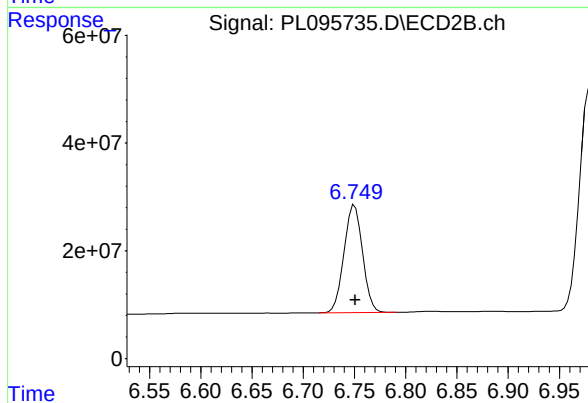
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 439605159
Conc: 98.23 ng/ml



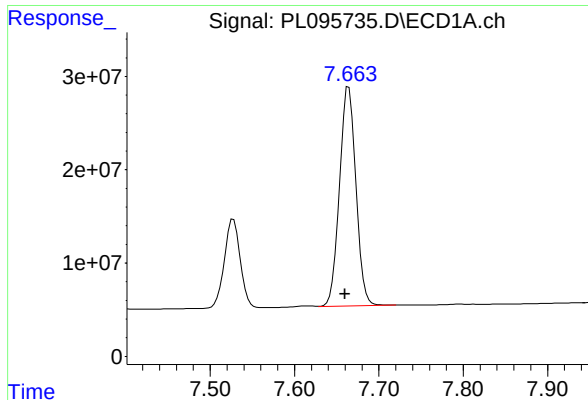
#20 Methoxychlor

R.T.: 7.528 min
Delta R.T.: 0.004 min
Response: 125265219
Conc: 99.30 ng/ml



#20 Methoxychlor

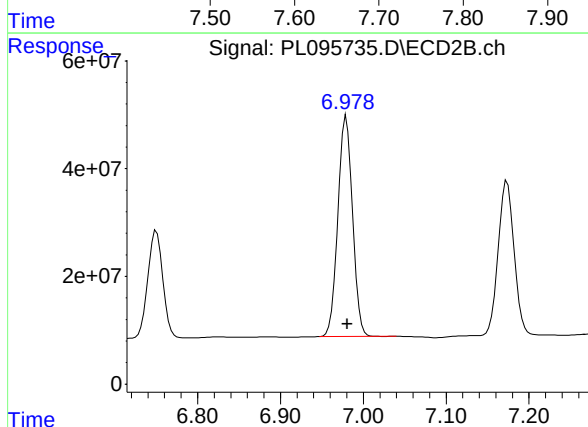
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 250363134
Conc: 96.57 ng/ml



#21 Endrin ketone

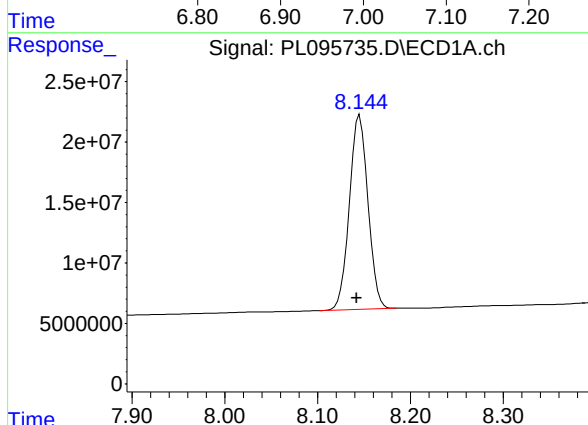
R.T.: 7.664 min
Delta R.T.: 0.004 min
Response: 317929336
Conc: 101.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



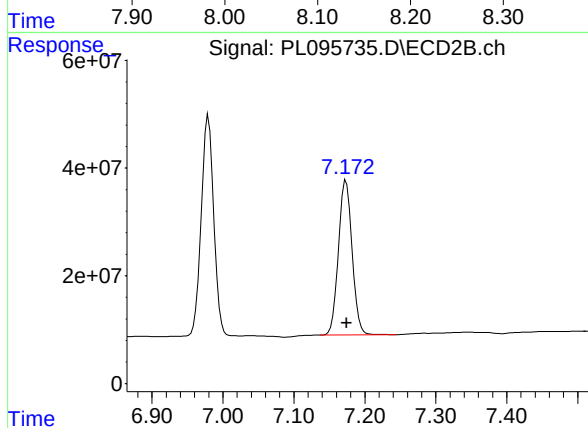
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 502556049
Conc: 97.33 ng/ml



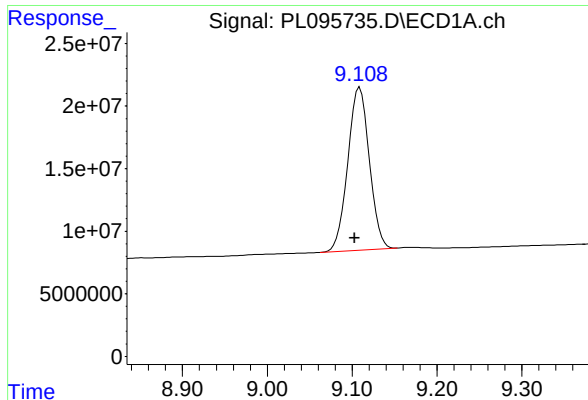
#22 Mirex

R.T.: 8.145 min
Delta R.T.: 0.004 min
Response: 223856207
Conc: 98.52 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 385850057
Conc: 96.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.109 min

Delta R.T.: 0.006 min

Response: 229644742

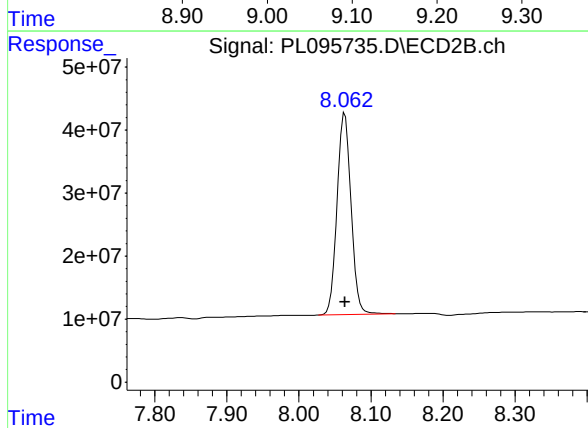
Conc: 99.66 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 430712606

Conc: 97.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095736.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:48
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:17:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	228.7E6	284.8E6	74.585	74.025
28)	SA Decachlor...	9.103	8.063	170.5E6	322.0E6	73.981	72.777
Target Compounds							
2)	A alpha-BHC	4.025	3.396	366.5E6	448.9E6	76.363	75.354
3)	MA gamma-BHC...	4.356	3.730	333.6E6	423.0E6	75.794	74.840
4)	MA Heptachlor	4.954	4.083	278.9E6	417.7E6	74.941	74.425
5)	MB Aldrin	5.297	4.368	315.9E6	400.3E6	75.004	74.694
6)	B beta-BHC	4.544	4.026	141.9E6	182.3E6	73.540	73.781
7)	B delta-BHC	4.792	4.261	331.4E6	428.3E6	75.590	75.135
8)	B Heptachlo...	5.718	4.870	276.9E6	363.6E6	74.214	73.555
9)	A Endosulfan I	6.102	5.242	267.9E6	353.1E6	74.536	74.065
10)	B gamma-Chl...	5.973	5.123	288.9E6	390.2E6	75.136	74.565
11)	B alpha-Chl...	6.054	5.187	289.3E6	383.8E6	74.752	74.247
12)	B 4,4'-DDE	6.224	5.374	274.4E6	396.5E6	75.549	74.209
13)	MA Dieldrin	6.375	5.507	286.0E6	394.3E6	74.984	74.437
14)	MA Endrin	6.603	5.782	239.2E6	358.2E6	75.080	73.982
15)	B Endosulfa...	6.815	6.073	244.2E6	348.3E6	73.435	73.771
16)	A 4,4'-DDD	6.735	5.926	217.3E6	327.5E6	75.189	74.362
17)	MA 4,4'-DDT	7.050	6.179	199.1E6	357.7E6	75.106	74.424
18)	B Endrin al...	6.944	6.251	174.3E6	250.7E6	73.671	73.344
19)	B Endosulfa...	7.178	6.474	217.2E6	328.2E6	74.216	73.341
20)	A Methoxychlor	7.523	6.750	92827353	188.5E6	73.587	72.722
21)	B Endrin ke...	7.660	6.979	234.1E6	379.2E6	74.654	73.436
22)	Mirex	8.142	7.173	168.2E6	284.9E6	74.011	71.417

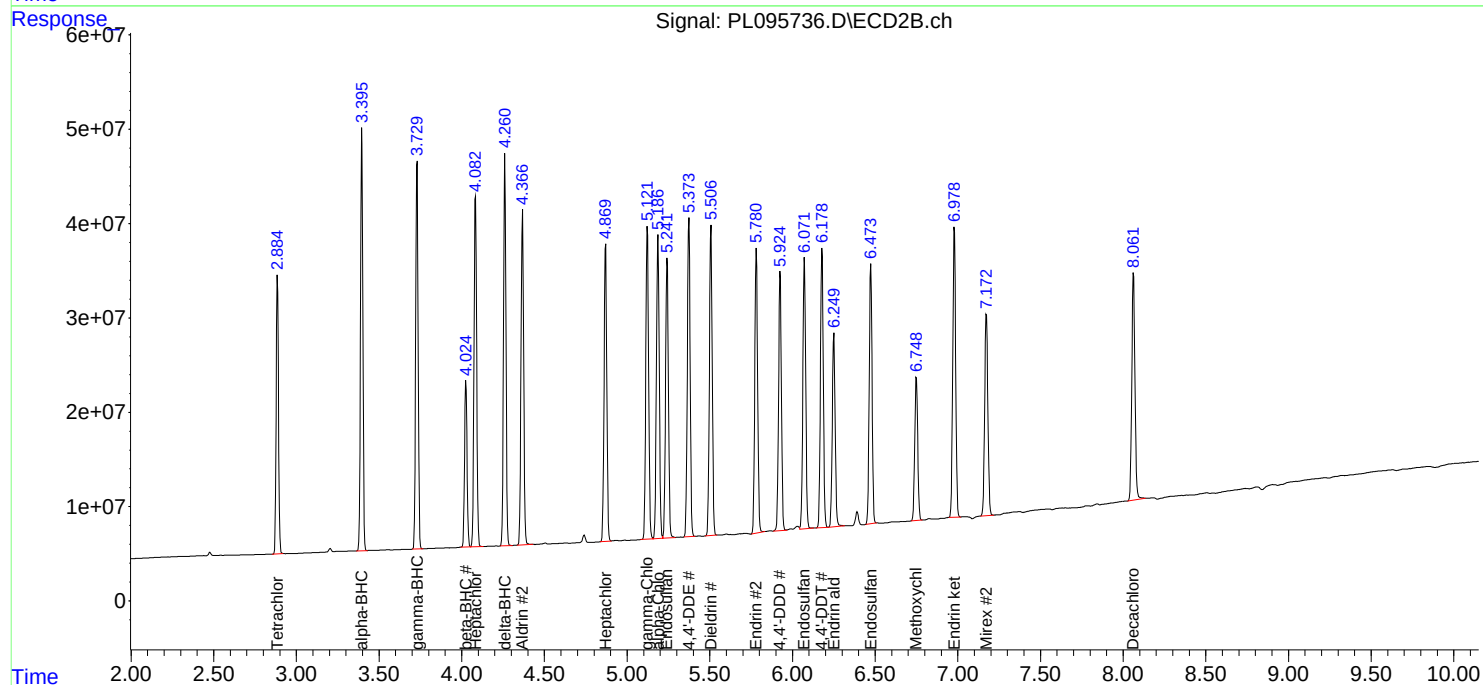
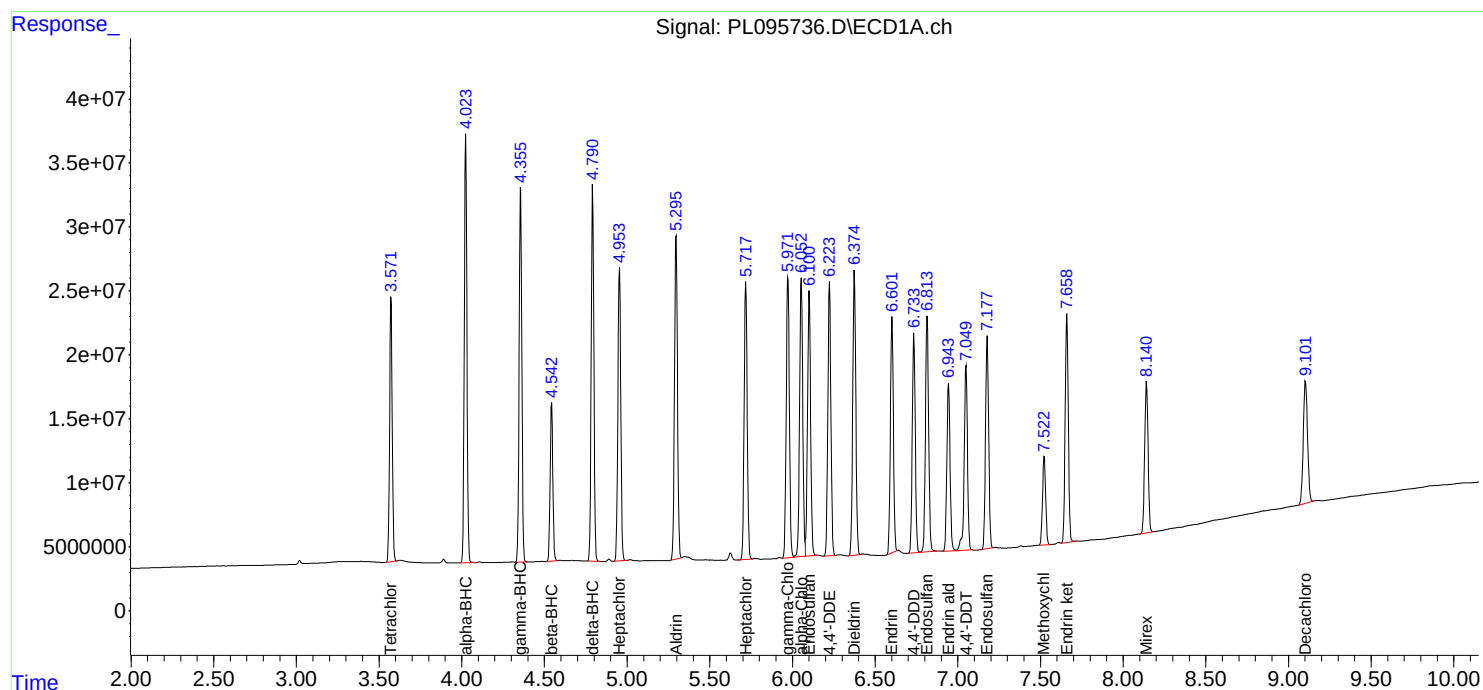
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

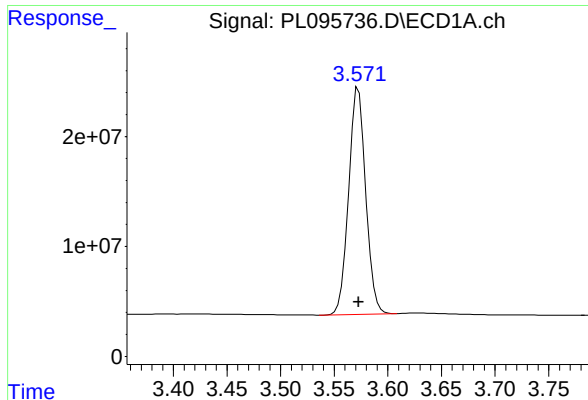
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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 x0.25µm

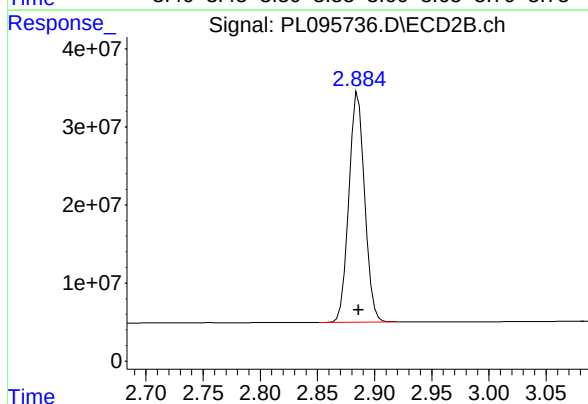




#1 Tetrachloro-m-xylene

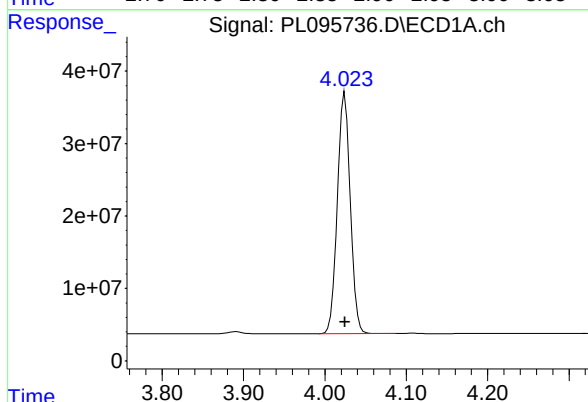
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 228664275
Conc: 74.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



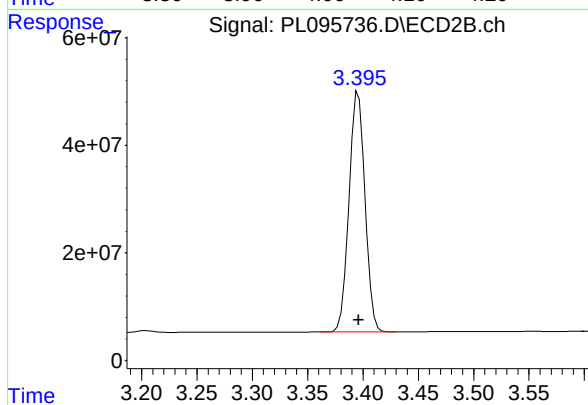
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 284774551
Conc: 74.03 ng/ml



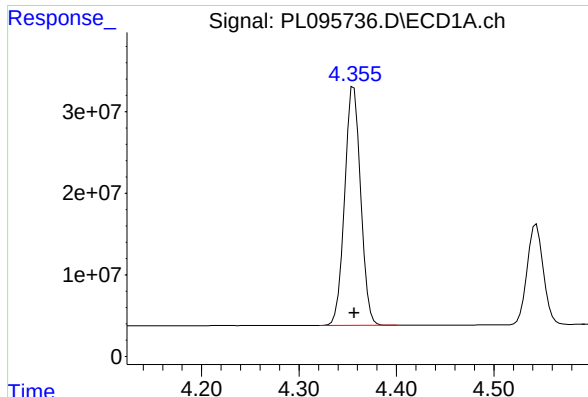
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 366536616
Conc: 76.36 ng/ml



#2 alpha-BHC

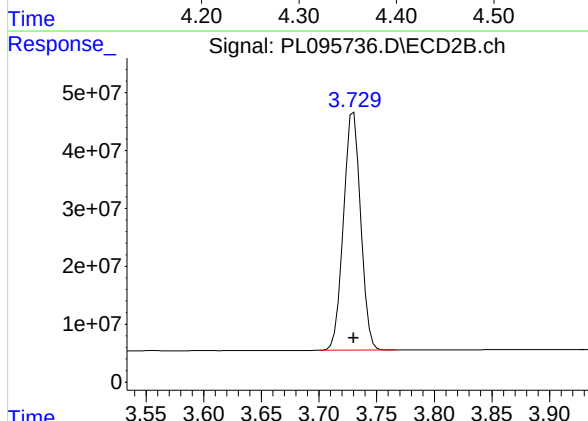
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 448858157
Conc: 75.35 ng/ml



#3 gamma-BHC (Lindane)

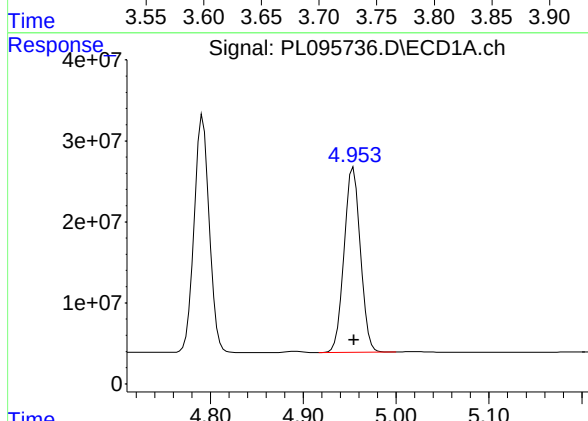
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 333552348
Conc: 75.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



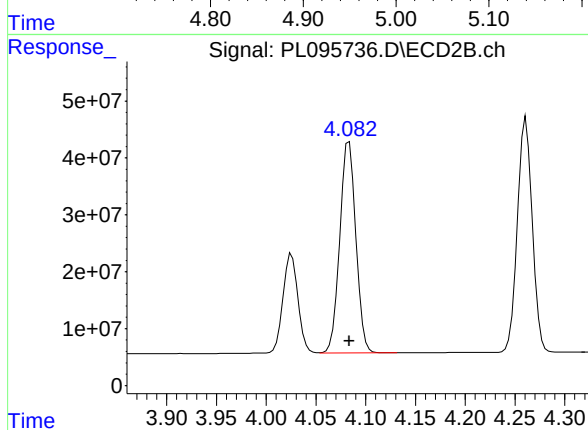
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 423011024
Conc: 74.84 ng/ml



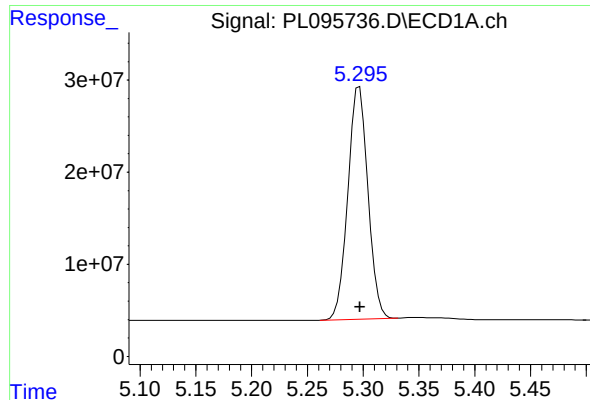
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 278893342
Conc: 74.94 ng/ml



#4 Heptachlor

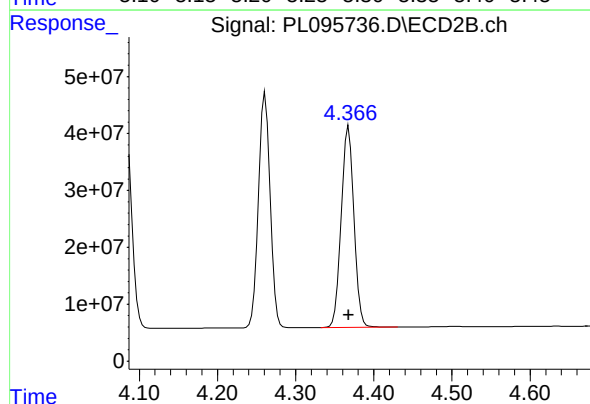
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 417656146
Conc: 74.42 ng/ml



#5 Aldrin

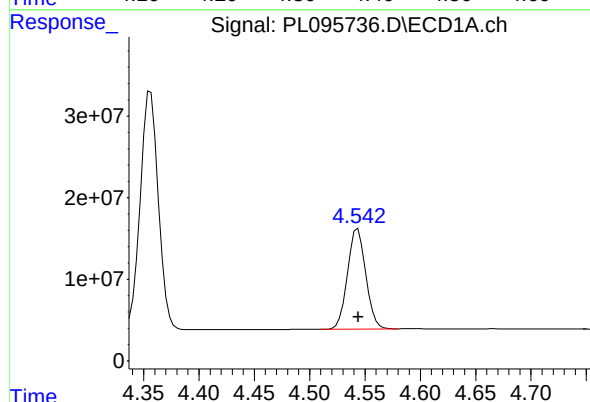
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 315856140
Conc: 75.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



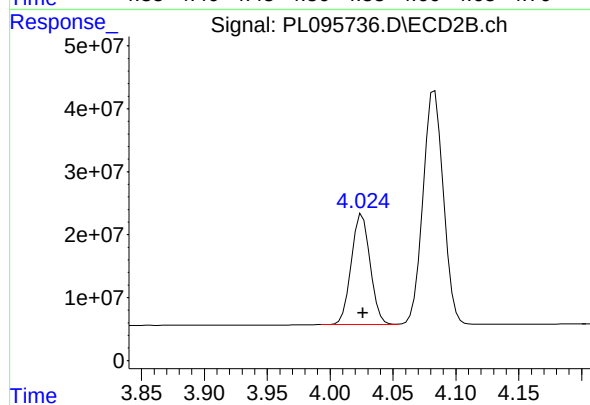
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 400306625
Conc: 74.69 ng/ml



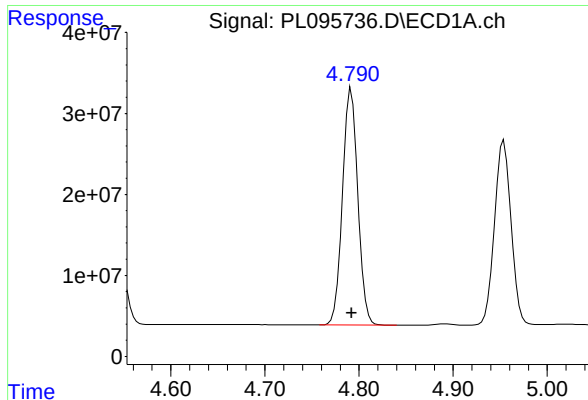
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 141947924
Conc: 73.54 ng/ml



#6 beta-BHC

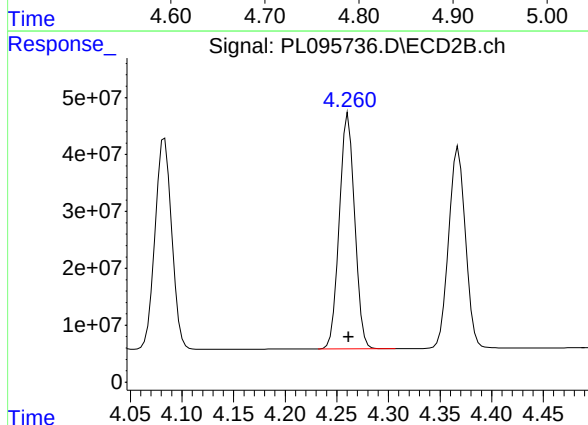
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 182334287
Conc: 73.78 ng/ml



#7 delta-BHC

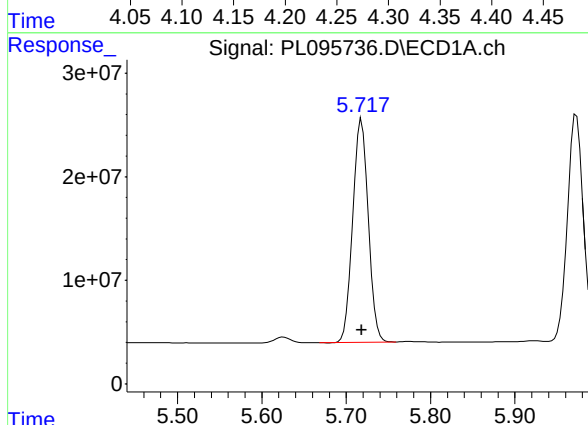
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 331386383
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



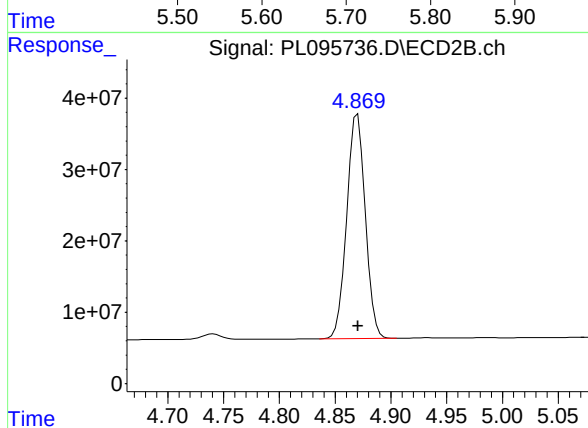
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 428287315
Conc: 75.13 ng/ml



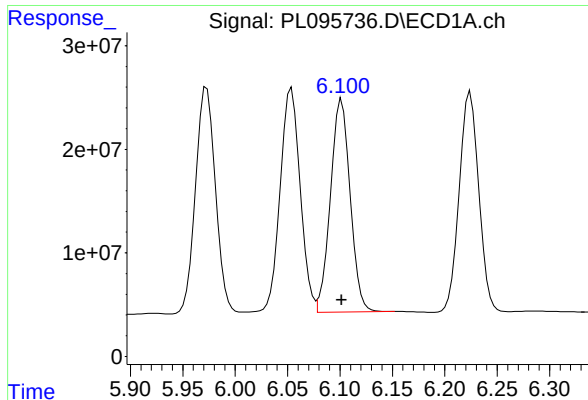
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 276899934
Conc: 74.21 ng/ml



#8 Heptachlor epoxide

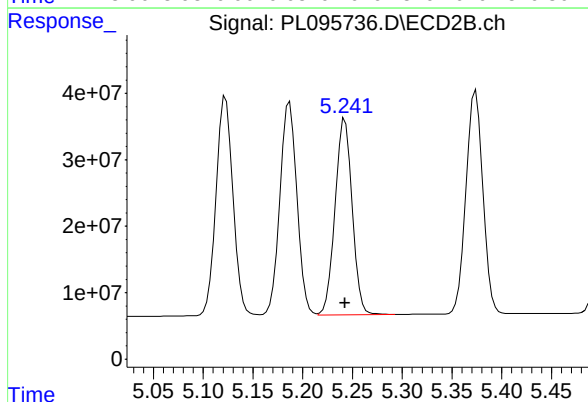
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 363639711
Conc: 73.55 ng/ml



#9 Endosulfan I

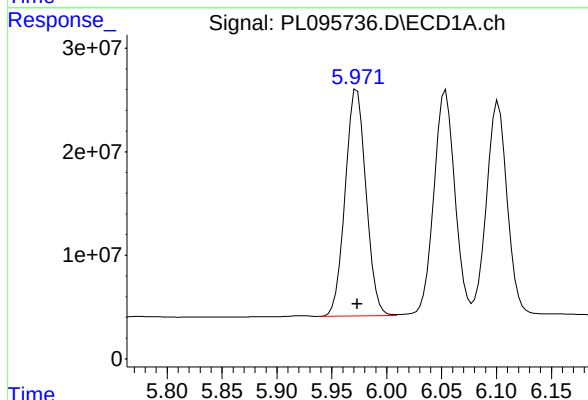
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 267879960
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



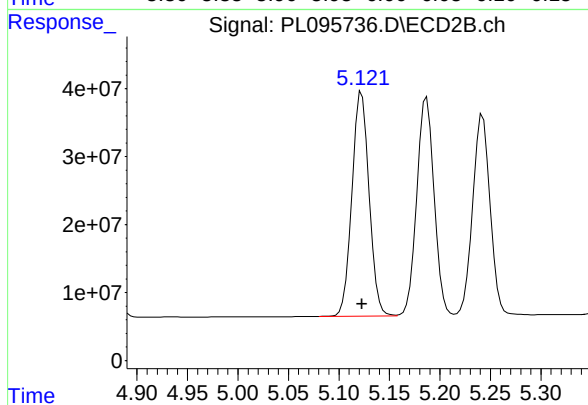
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 353121686
Conc: 74.06 ng/ml



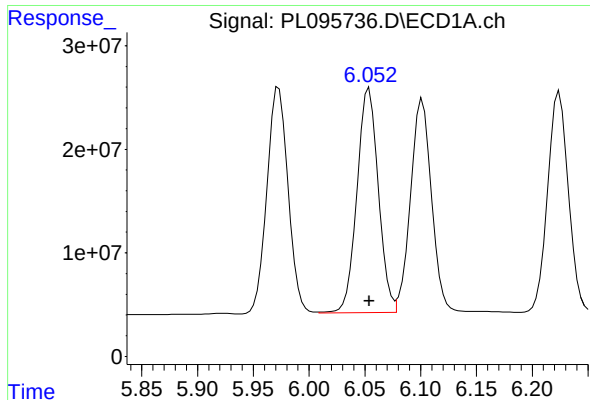
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 288922866
Conc: 75.14 ng/ml



#10 gamma-Chlordane

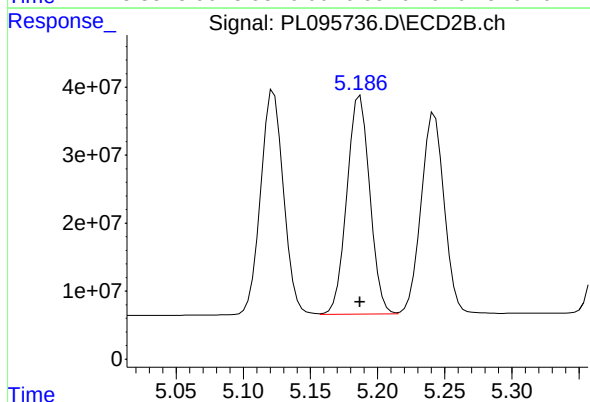
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 390191290
Conc: 74.57 ng/ml



#11 alpha-Chlordane

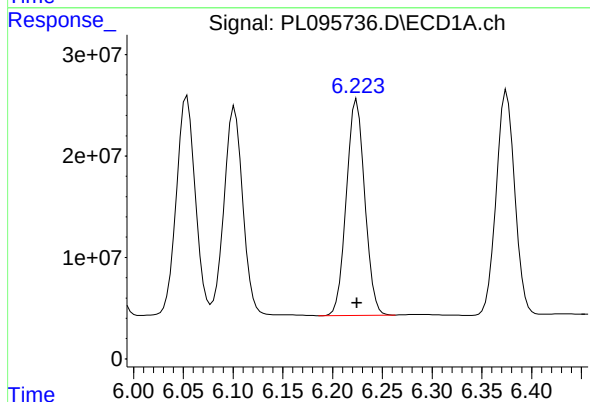
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 289285154
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



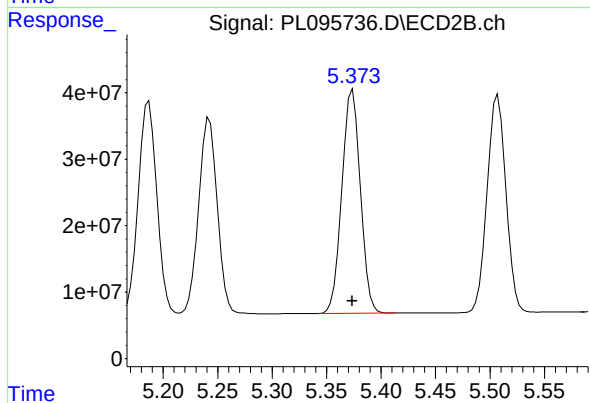
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 383829070
Conc: 74.25 ng/ml



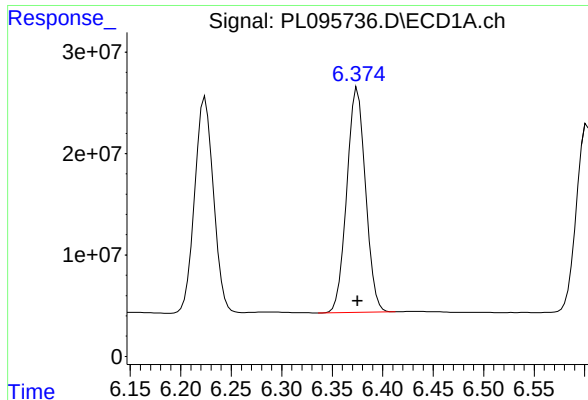
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 274370496
Conc: 75.55 ng/ml



#12 4,4'-DDE

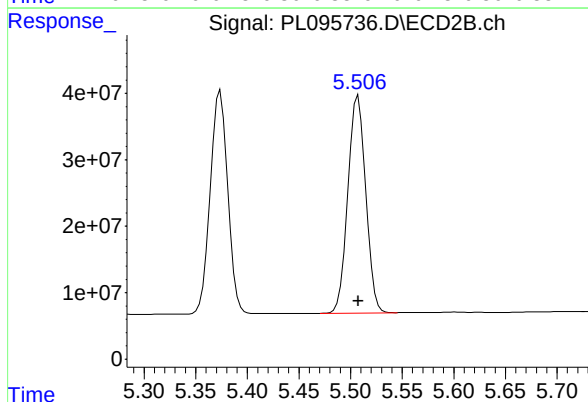
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 396496659
Conc: 74.21 ng/ml



#13 Dieldrin

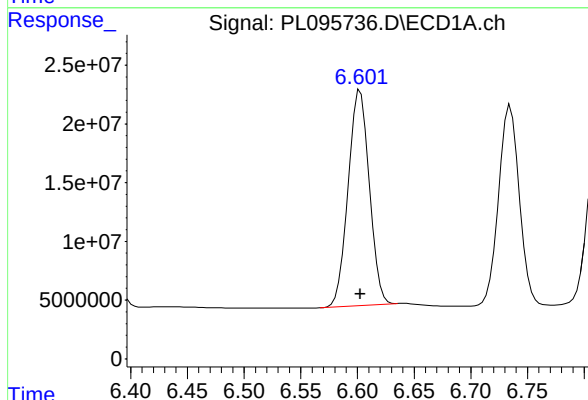
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 285974632
Conc: 74.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



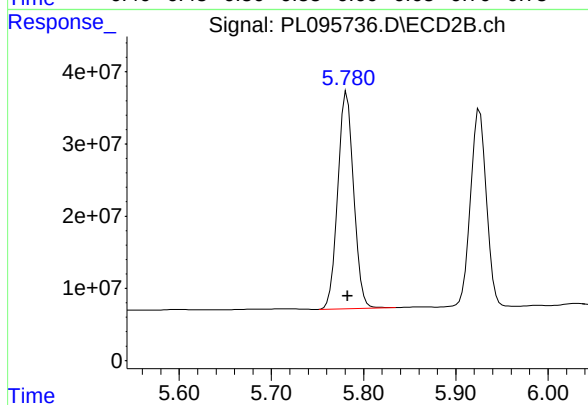
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 394256267
Conc: 74.44 ng/ml



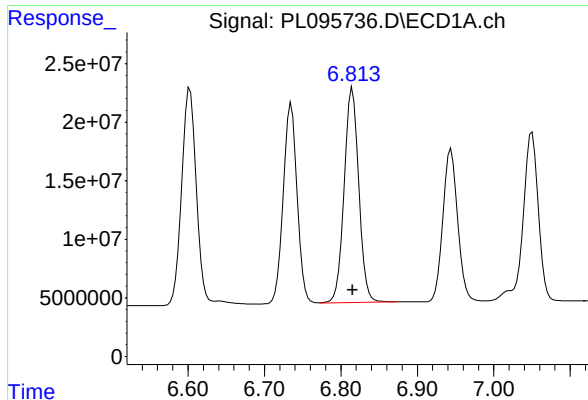
#14 Endrin

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 239152782
Conc: 75.08 ng/ml



#14 Endrin

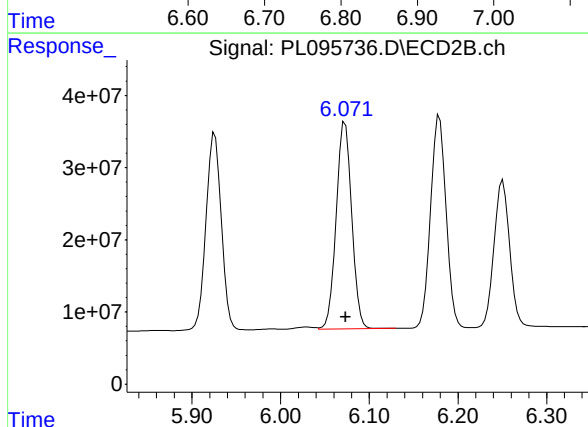
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 358156236
Conc: 73.98 ng/ml



#15 Endosulfan II

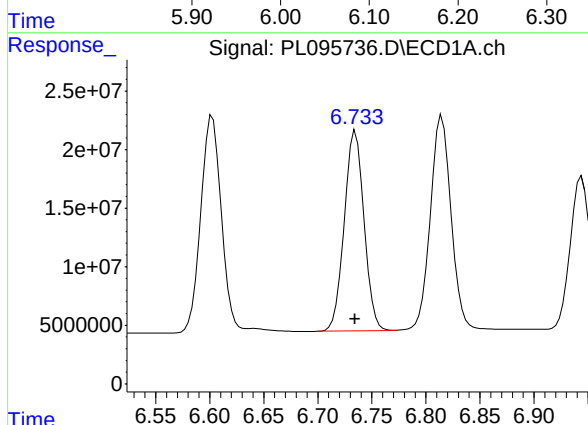
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 244211959
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



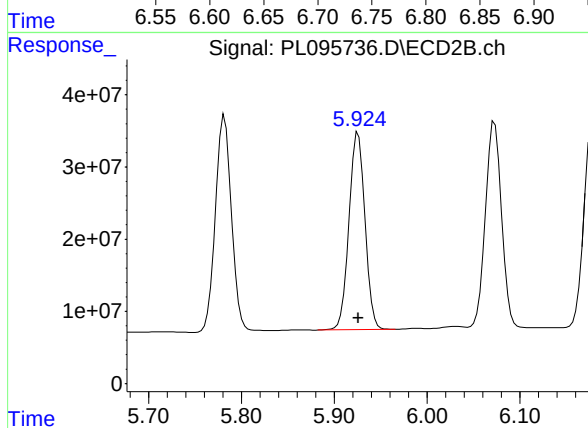
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 348341368
Conc: 73.77 ng/ml



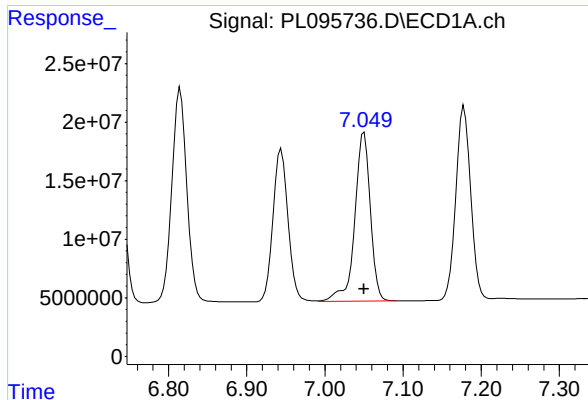
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 217345934
Conc: 75.19 ng/ml



#16 4,4'-DDD

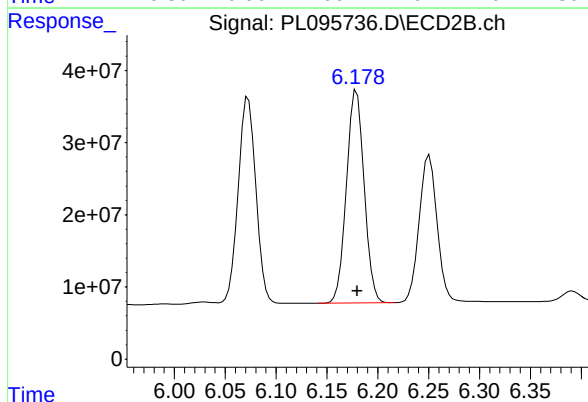
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 327516287
Conc: 74.36 ng/ml



#17 4,4'-DDT

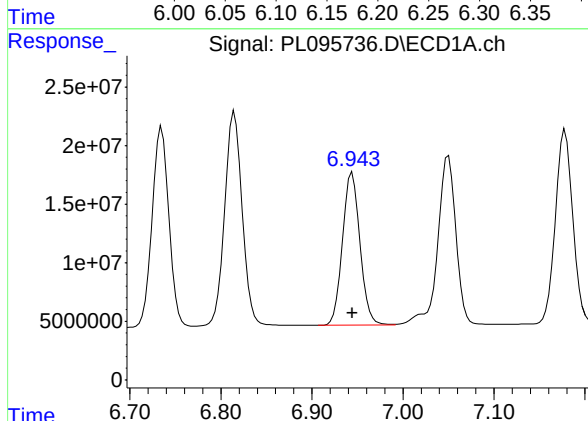
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 199076628
Conc: 75.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



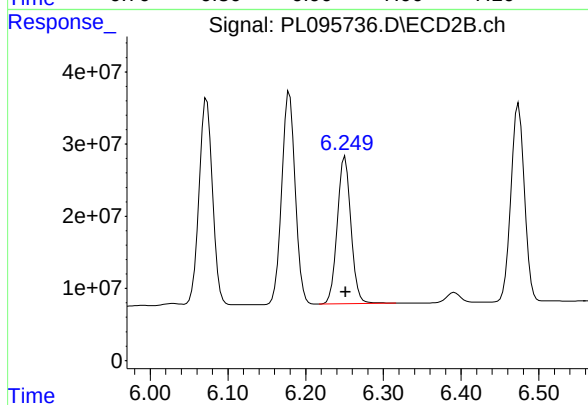
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 357665029
Conc: 74.42 ng/ml



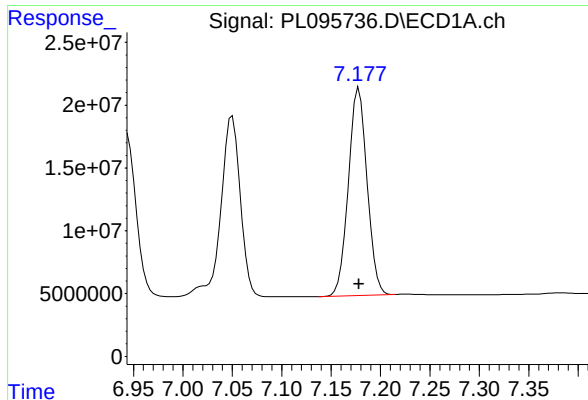
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 174282359
Conc: 73.67 ng/ml



#18 Endrin aldehyde

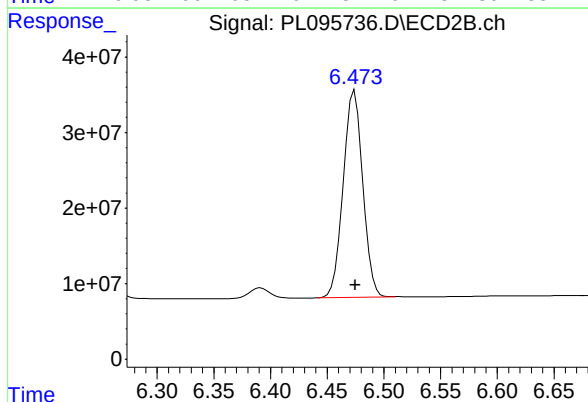
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 250698612
Conc: 73.34 ng/ml



#19 Endosulfan Sulfate

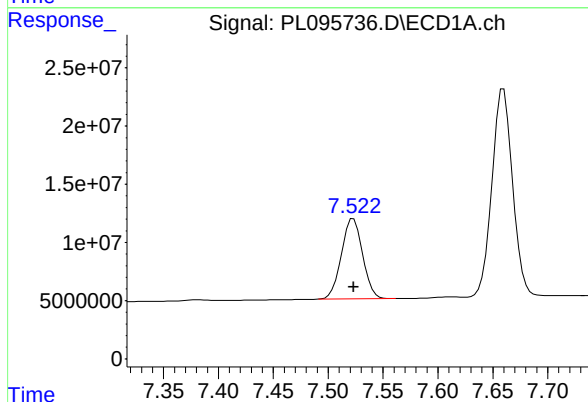
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 217196090
Conc: 74.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



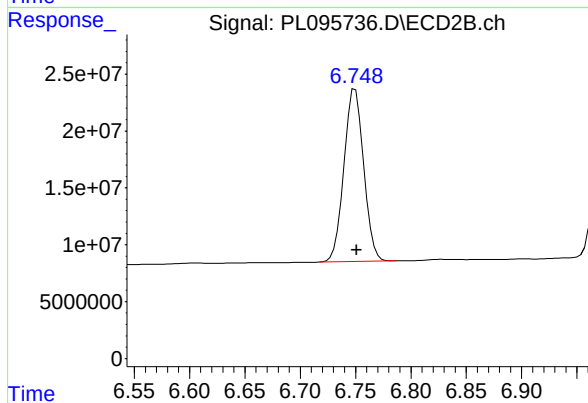
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 328212332
Conc: 73.34 ng/ml



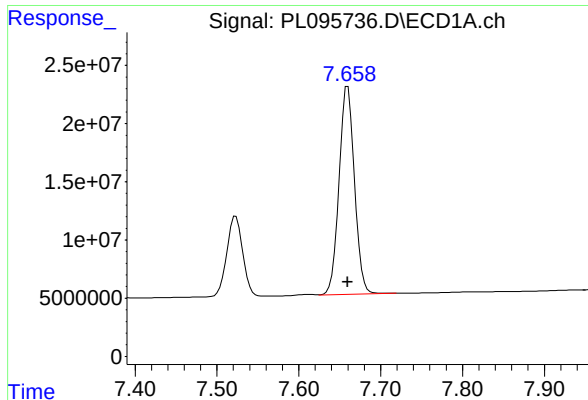
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 92827353
Conc: 73.59 ng/ml



#20 Methoxychlor

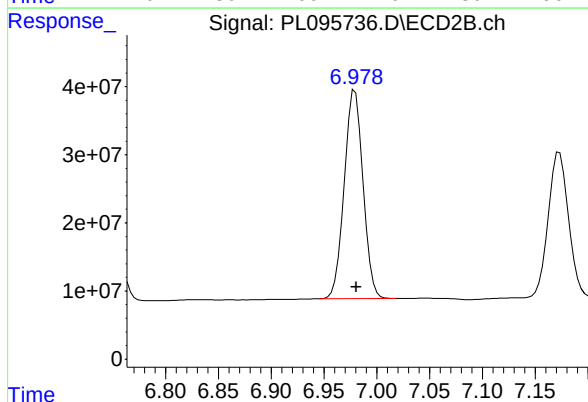
R.T.: 6.750 min
Delta R.T.: -0.001 min
Response: 188530271
Conc: 72.72 ng/ml



#21 Endrin ketone

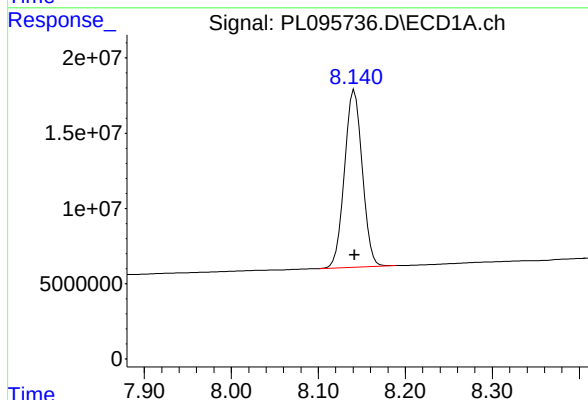
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 234107989
Conc: 74.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



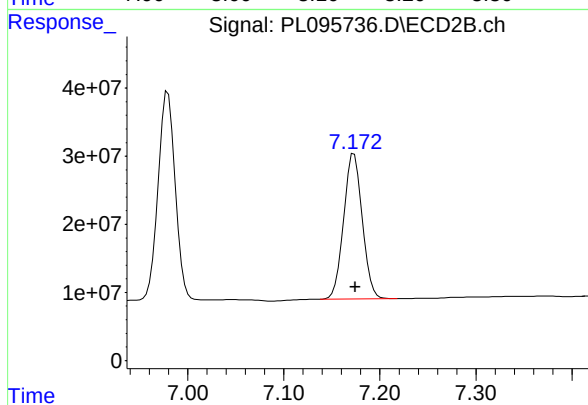
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.001 min
Response: 379178351
Conc: 73.44 ng/ml



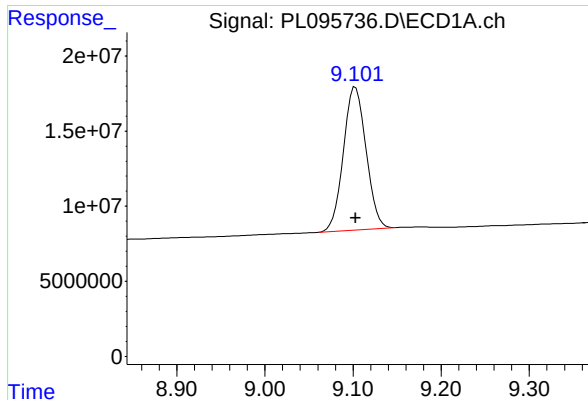
#22 Mirex

R.T.: 8.142 min
Delta R.T.: 0.000 min
Response: 168174191
Conc: 74.01 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.001 min
Response: 284926478
Conc: 71.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min

Delta R.T.: 0.000 min

Response: 170477941

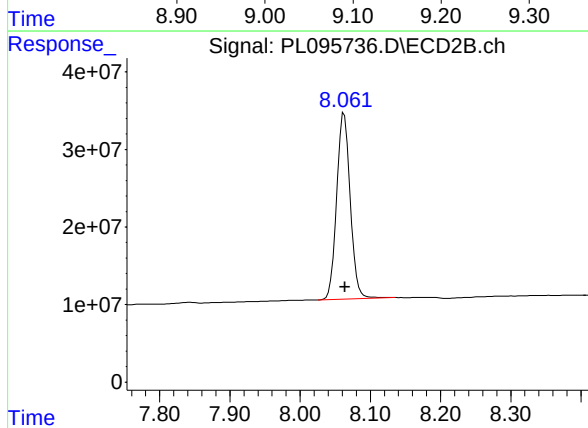
Conc: 73.98 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.063 min

Delta R.T.: -0.001 min

Response: 321975821

Conc: 72.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095737.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:02
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:17:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	153.3E6	192.3E6	50.000	50.000
28)	SA Decachlor...	9.103	8.064	115.2E6	221.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.025	3.396	240.0E6	297.8E6	50.000	50.000
3)	MA gamma-BHC...	4.357	3.730	220.0E6	282.6E6	50.000	50.000
4)	MA Heptachlor	4.955	4.083	186.1E6	280.6E6	50.000	50.000
5)	MB Aldrin	5.297	4.368	210.6E6	268.0E6	50.000	50.000
6)	B beta-BHC	4.544	4.026	96510671	123.6E6	50.000	50.000
7)	B delta-BHC	4.792	4.261	219.2E6	285.0E6	50.000	50.000
8)	B Heptachlo...	5.718	4.871	186.6E6	247.2E6	50.000	50.000
9)	A Endosulfan I	6.102	5.243	179.7E6	238.4E6	50.000	50.000
10)	B gamma-Chl...	5.973	5.123	192.3E6	261.6E6	50.000	50.000
11)	B alpha-Chl...	6.054	5.187	193.5E6	258.5E6	50.000	50.000
12)	B 4,4'-DDE	6.224	5.374	181.6E6	267.1E6	50.000	50.000
13)	MA Dieldrin	6.375	5.508	190.7E6	264.8E6	50.000	50.000
14)	MA Endrin	6.602	5.783	159.3E6	242.1E6	50.000	50.000
15)	B Endosulfa...	6.815	6.073	166.3E6	236.1E6	50.000	50.000
16)	A 4,4'-DDD	6.734	5.926	144.5E6	220.2E6	50.000	50.000
17)	MA 4,4'-DDT	7.050	6.180	132.5E6	240.3E6	50.000	50.000
18)	B Endrin al...	6.944	6.251	118.3E6	170.9E6	50.000	50.000
19)	B Endosulfa...	7.178	6.475	146.3E6	223.8E6	50.000	50.000
20)	A Methoxychlor	7.523	6.751	63073290	129.6E6	50.000	50.000
21)	B Endrin ke...	7.660	6.980	156.8E6	258.2E6	50.000	50.000
22)	Mirex	8.142	7.174	113.6E6	199.5E6	50.000	50.000

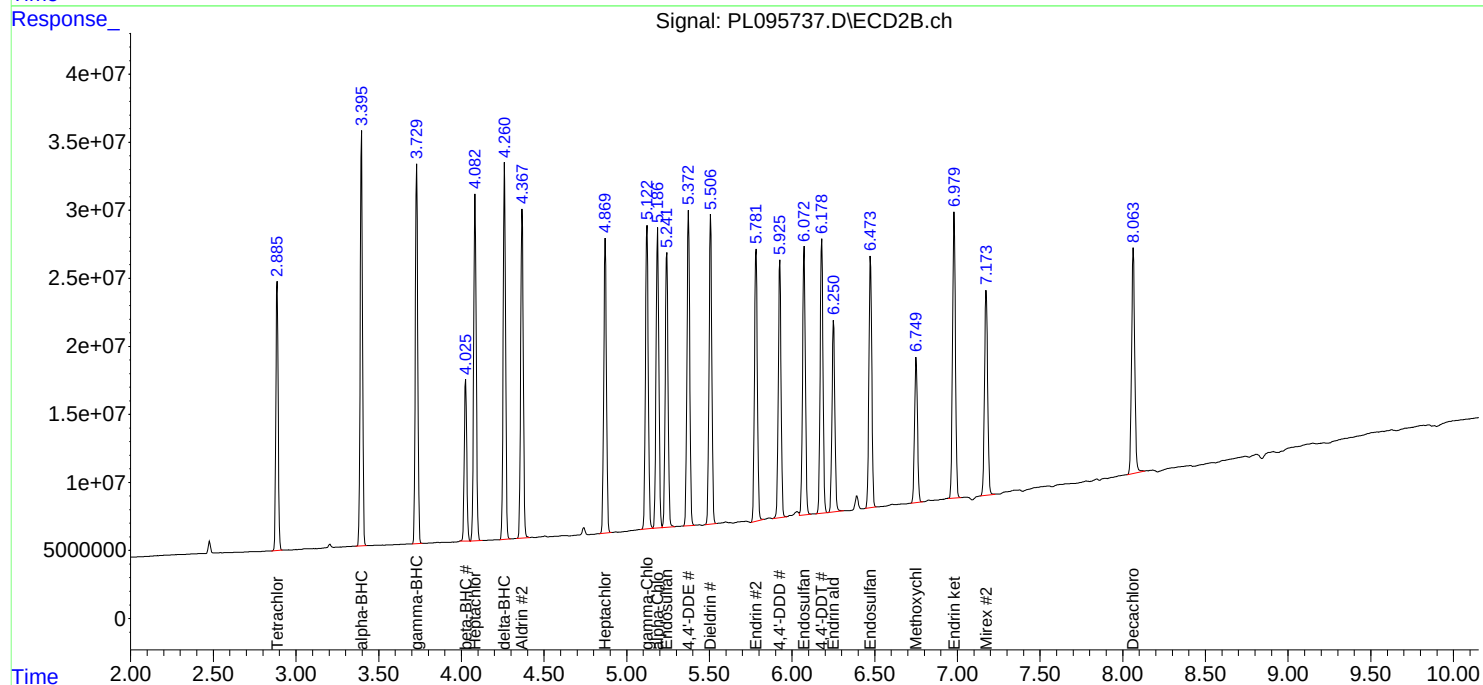
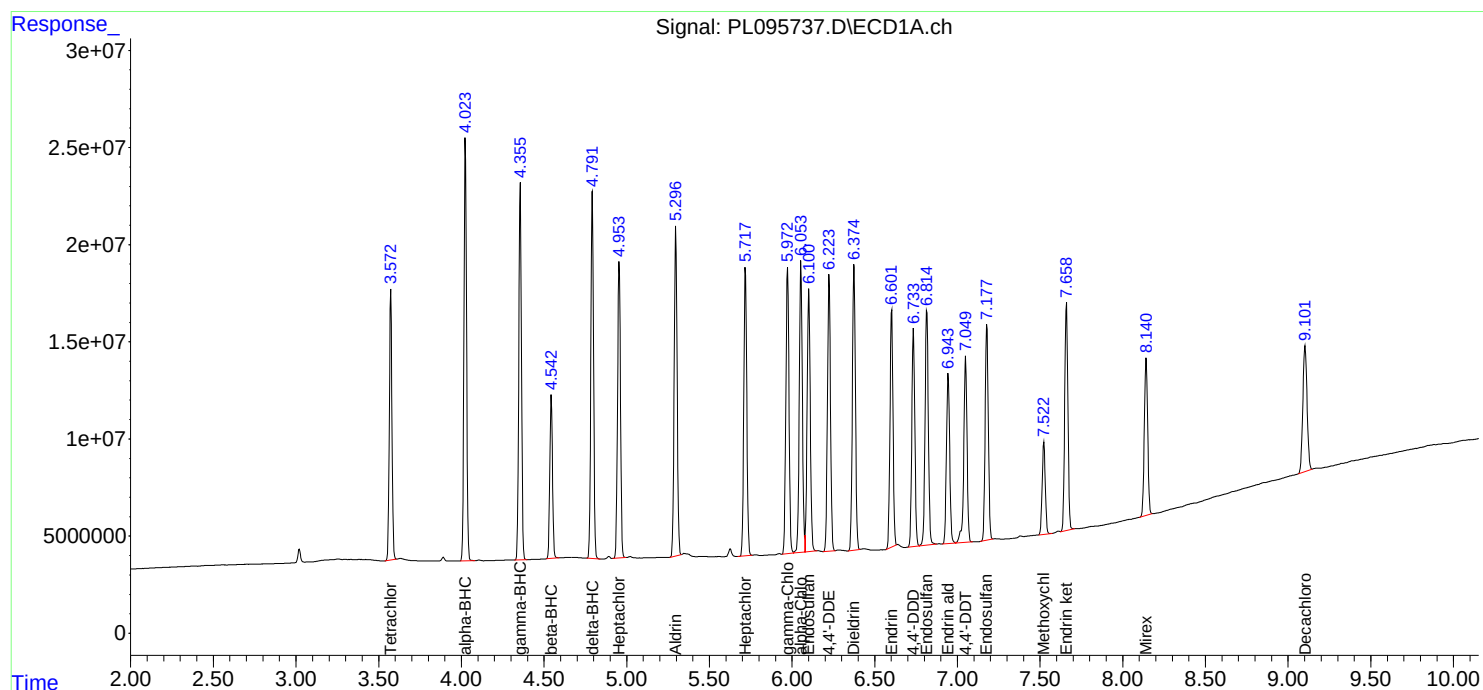
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

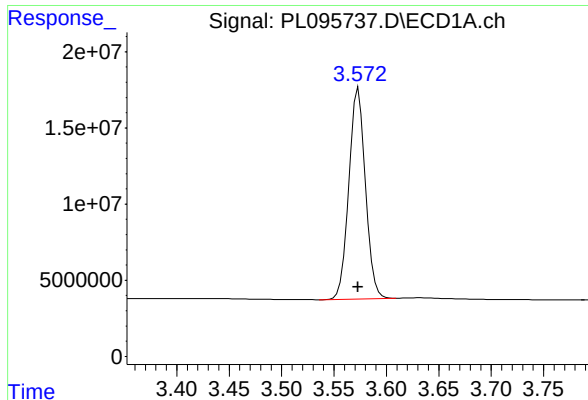
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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 x0.25µm

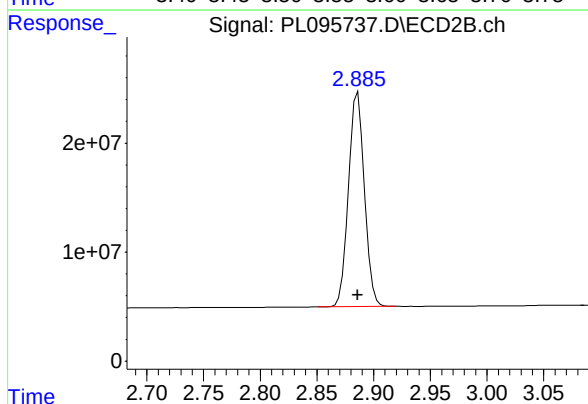




#1 Tetrachloro-m-xylene

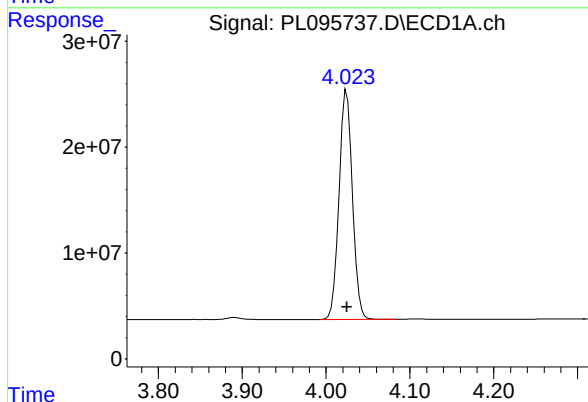
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 153291163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



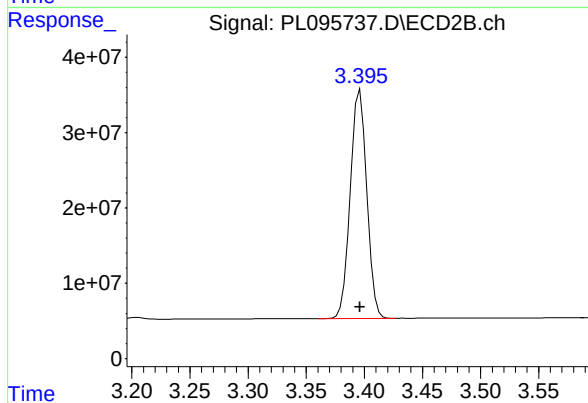
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 192349216
Conc: 50.00 ng/ml



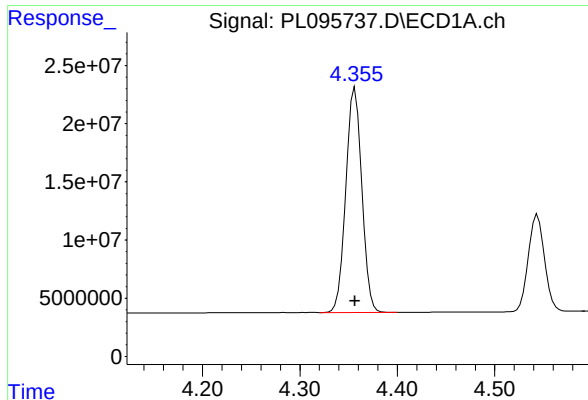
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 239994968
Conc: 50.00 ng/ml



#2 alpha-BHC

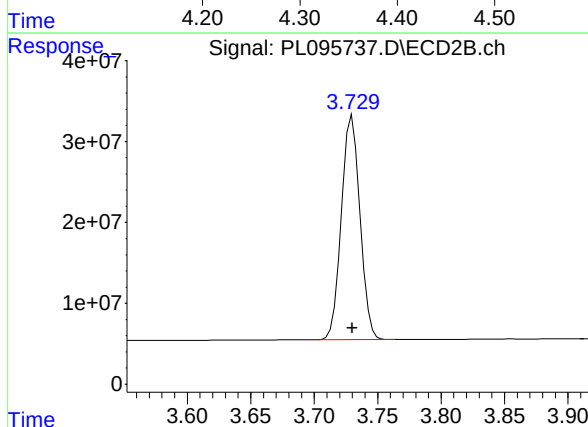
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 297834363
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

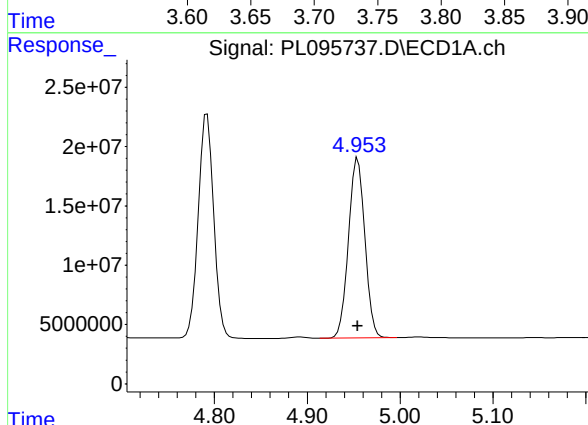
R.T.: 4.357 min
Delta R.T.: 0.000 min
Response: 220038465
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



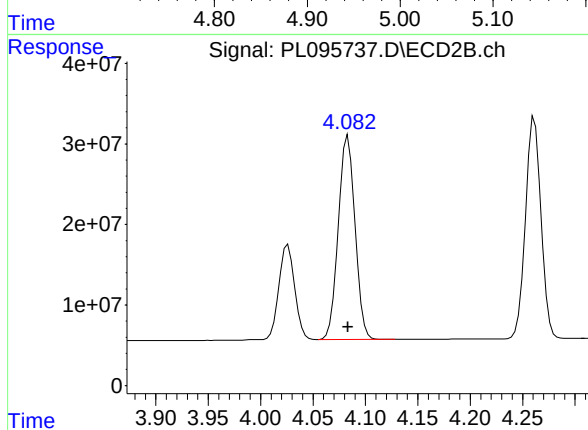
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 282610422
Conc: 50.00 ng/ml



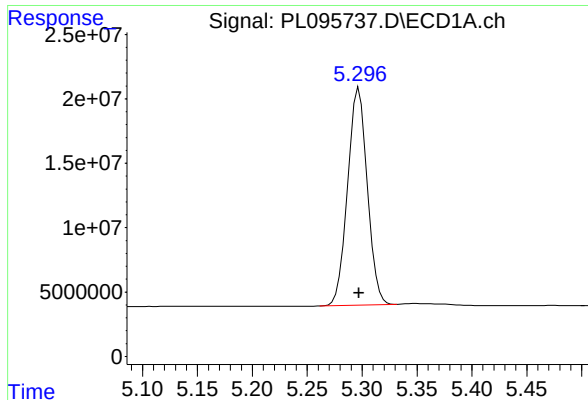
#4 Heptachlor

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 186075842
Conc: 50.00 ng/ml



#4 Heptachlor

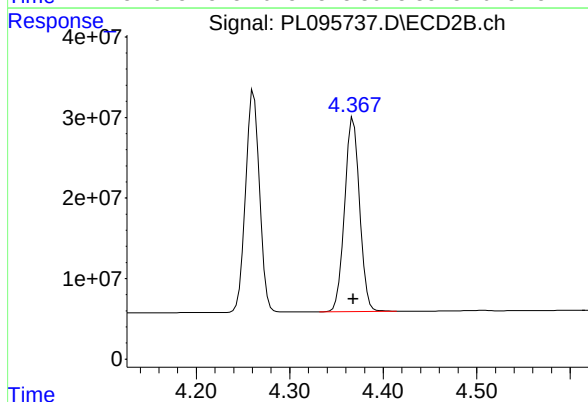
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 280589099
Conc: 50.00 ng/ml



#5 Aldrin

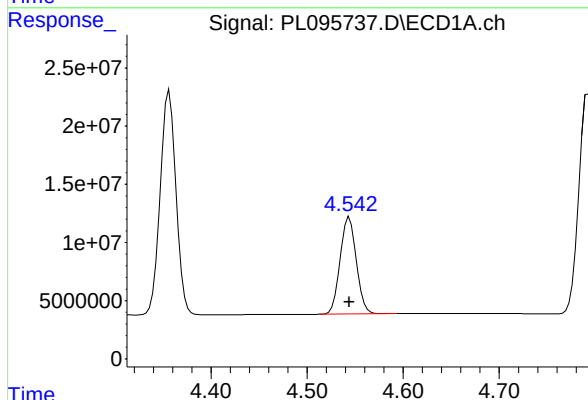
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 210558537
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



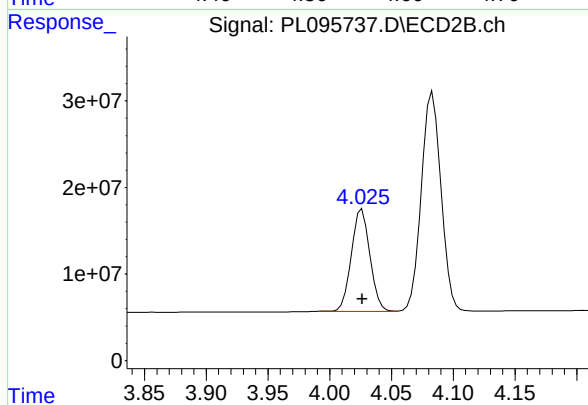
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 267962633
Conc: 50.00 ng/ml



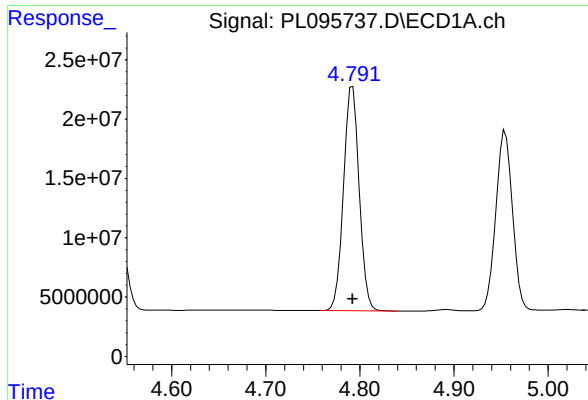
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 96510671
Conc: 50.00 ng/ml



#6 beta-BHC

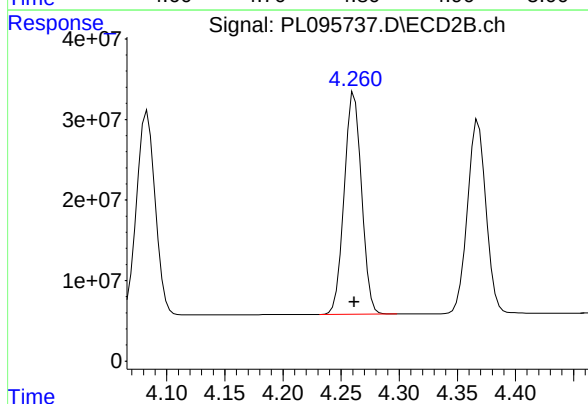
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 123564721
Conc: 50.00 ng/ml



#7 delta-BHC

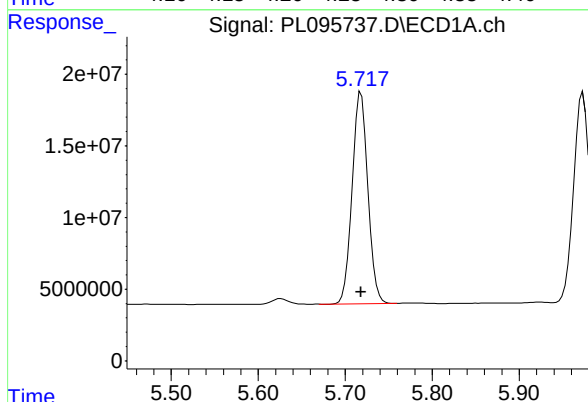
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 219198950
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



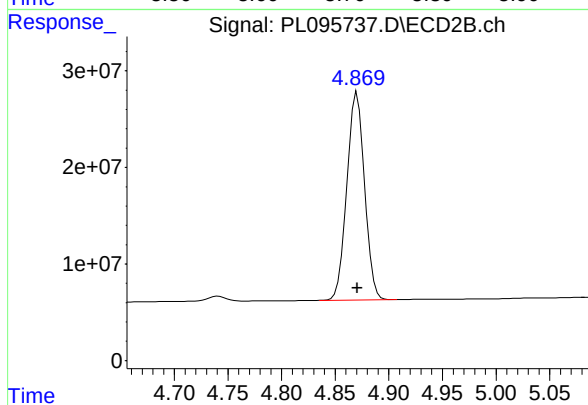
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 285012736
Conc: 50.00 ng/ml



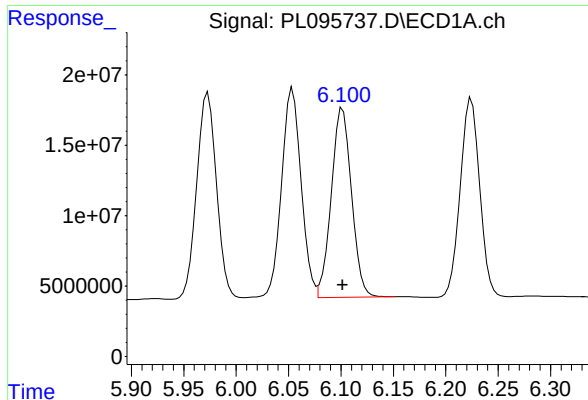
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 186554209
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

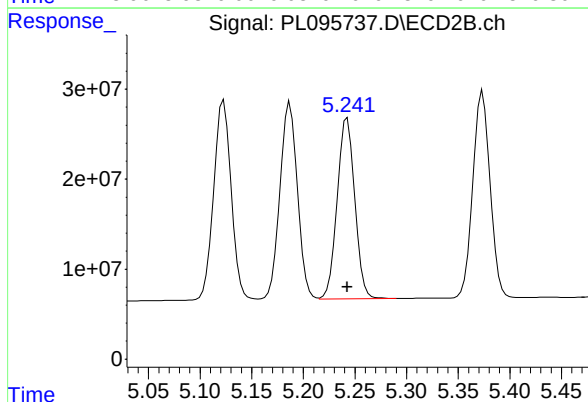
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 247190529
Conc: 50.00 ng/ml



#9 Endosulfan I

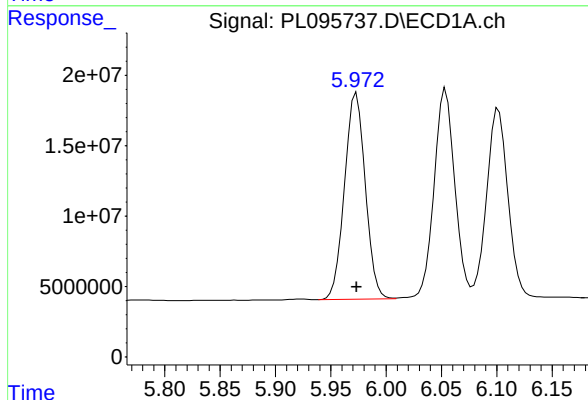
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 179698543
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



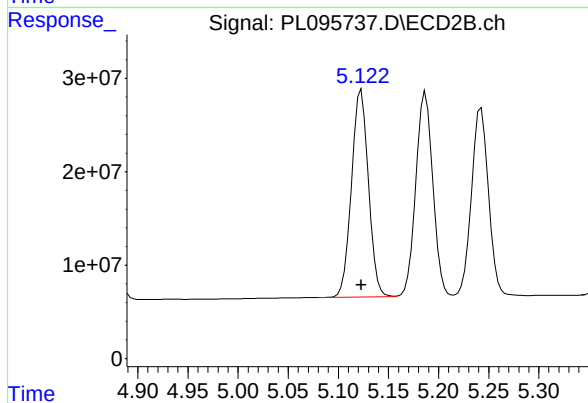
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 238386455
Conc: 50.00 ng/ml



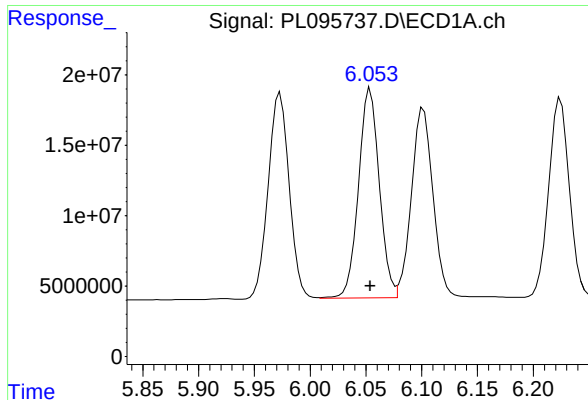
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 192265421
Conc: 50.00 ng/ml



#10 gamma-Chlordane

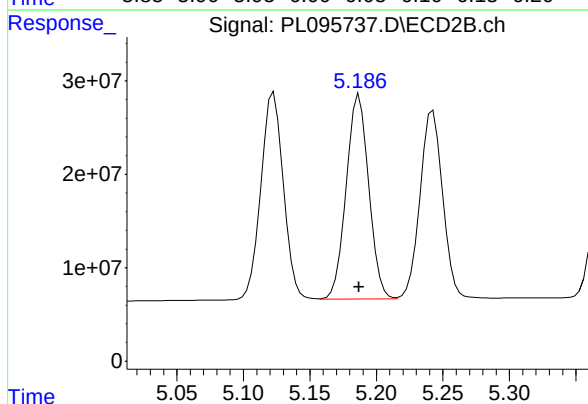
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 261644179
Conc: 50.00 ng/ml



#11 alpha-Chlordane

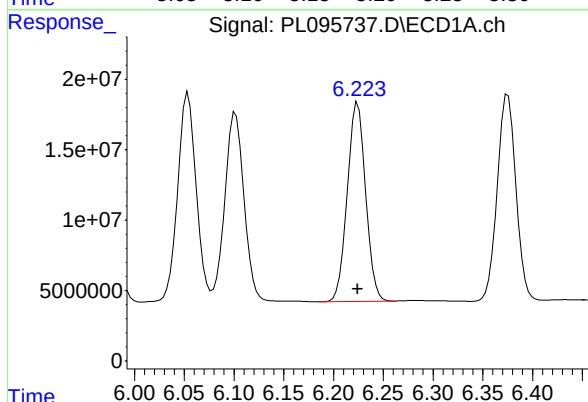
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 193496576
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



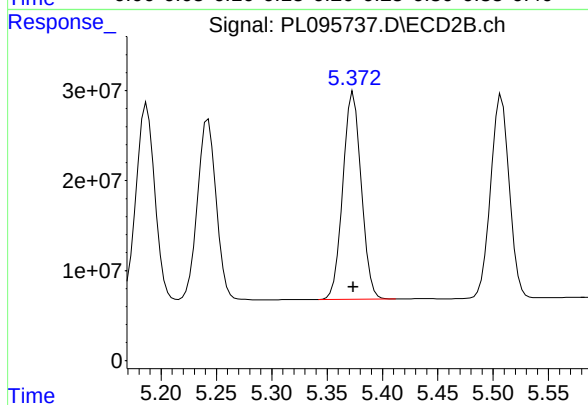
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 258481817
Conc: 50.00 ng/ml



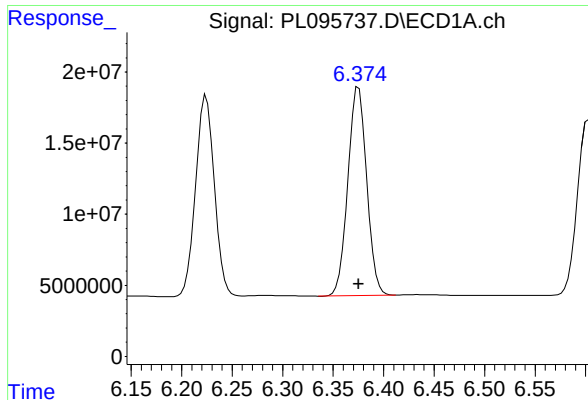
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 181584448
Conc: 50.00 ng/ml



#12 4,4'-DDE

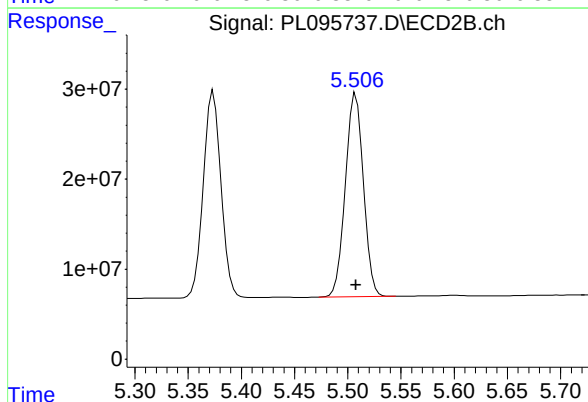
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 267148181
Conc: 50.00 ng/ml



#13 Dieldrin

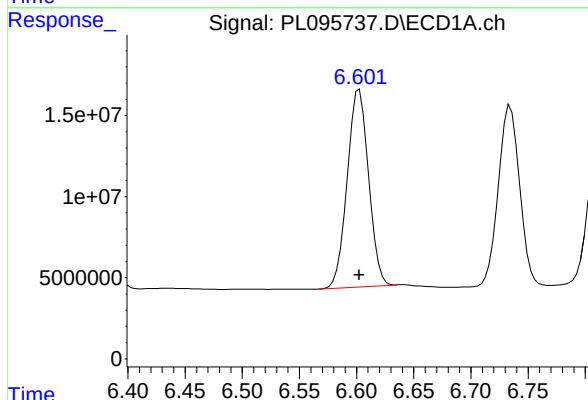
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 190690949
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



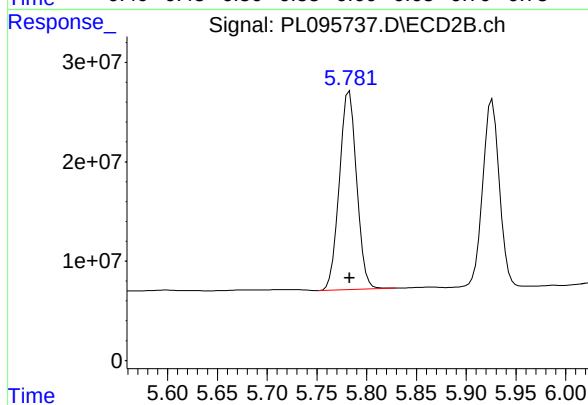
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 264824705
Conc: 50.00 ng/ml



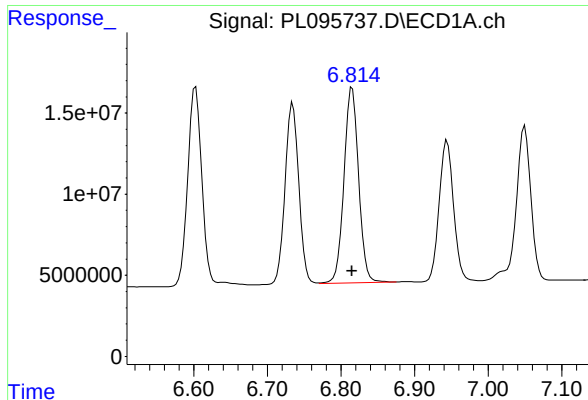
#14 Endrin

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 159265435
Conc: 50.00 ng/ml



#14 Endrin

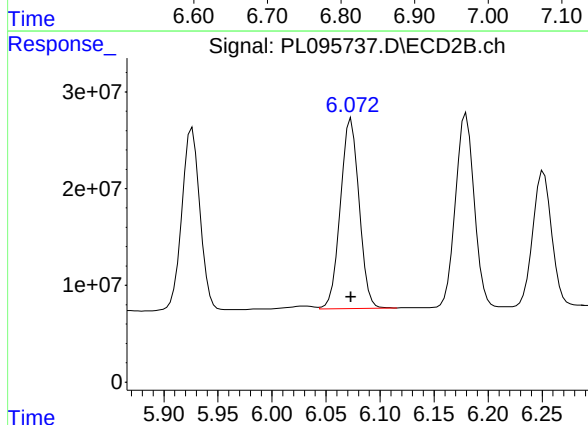
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 242056180
Conc: 50.00 ng/ml



#15 Endosulfan II

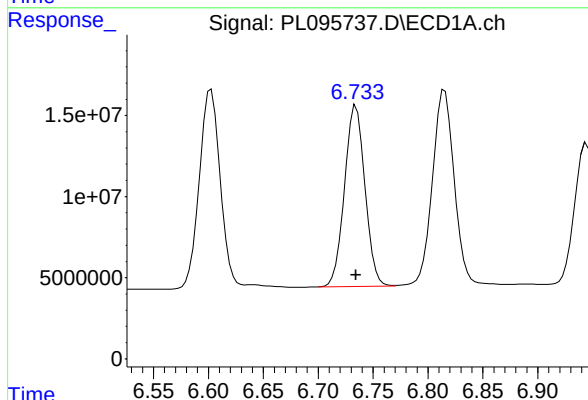
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 166277261
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



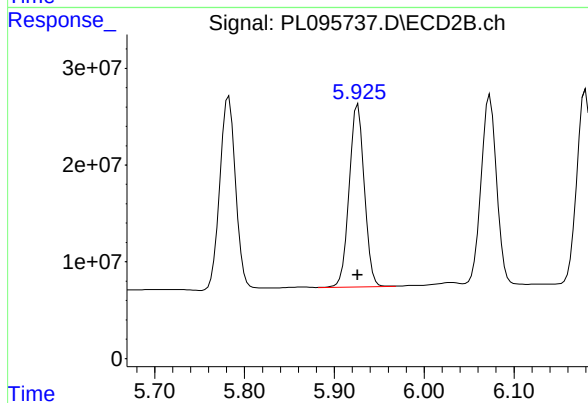
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 236094956
Conc: 50.00 ng/ml



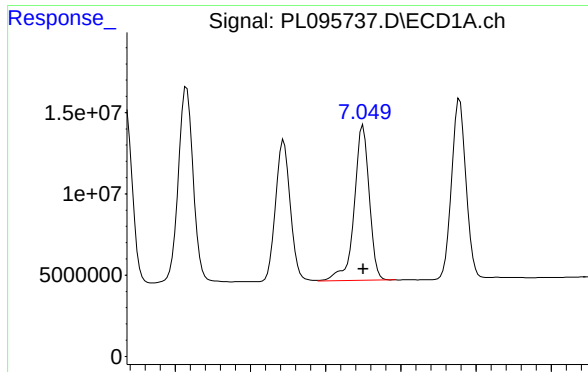
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 144532800
Conc: 50.00 ng/ml



#16 4,4'-DDD

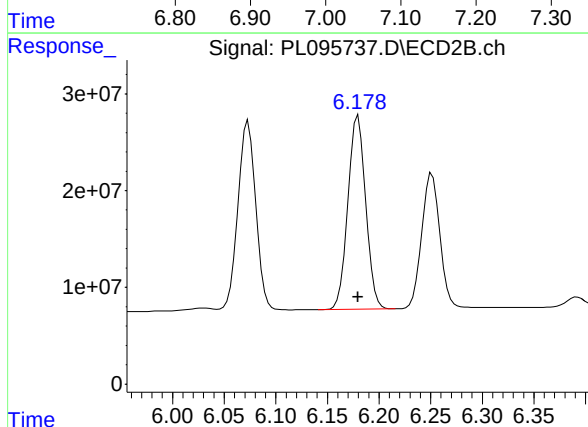
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 220218849
Conc: 50.00 ng/ml



#17 4,4'-DDT

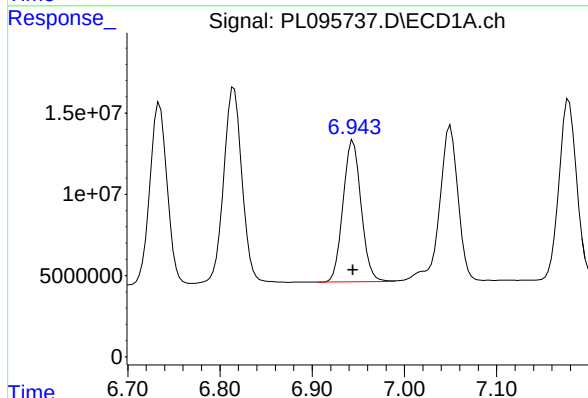
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 132530344
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



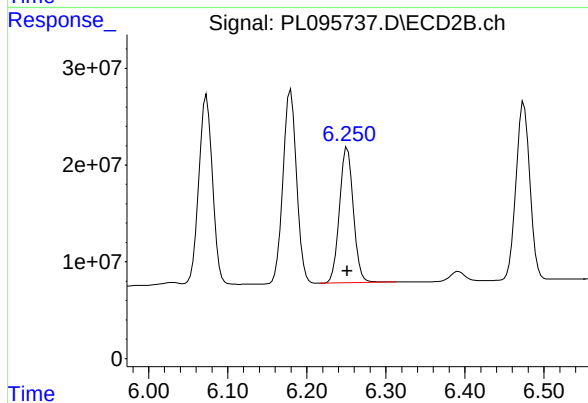
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 240287375
Conc: 50.00 ng/ml



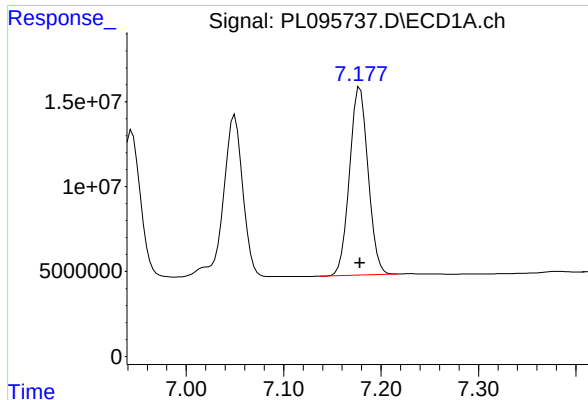
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 118284836
Conc: 50.00 ng/ml



#18 Endrin aldehyde

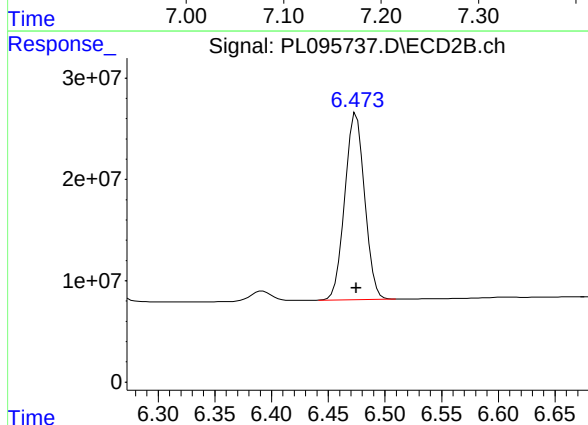
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 170905177
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

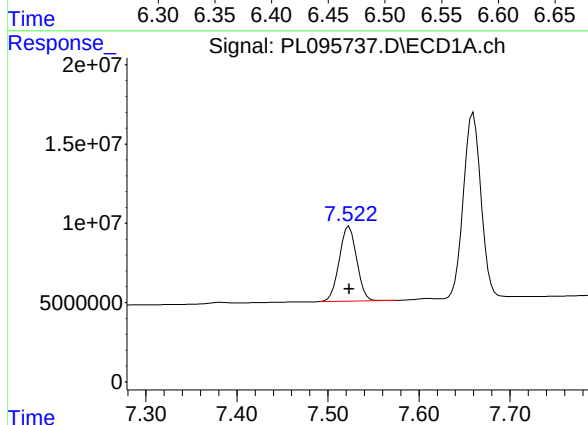
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 146327614
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



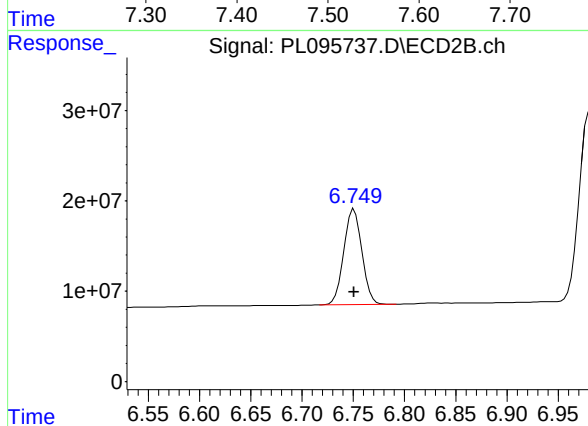
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 223759193
Conc: 50.00 ng/ml



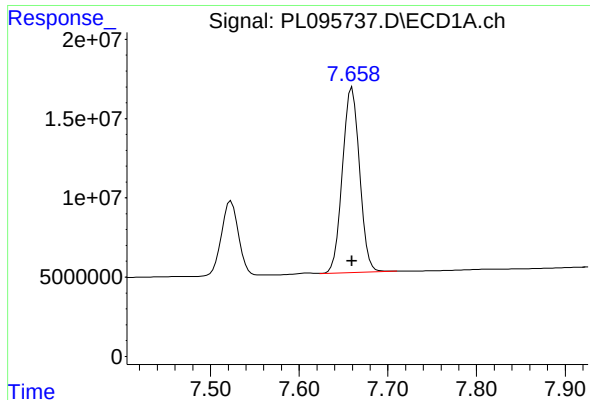
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 63073290
Conc: 50.00 ng/ml



#20 Methoxychlor

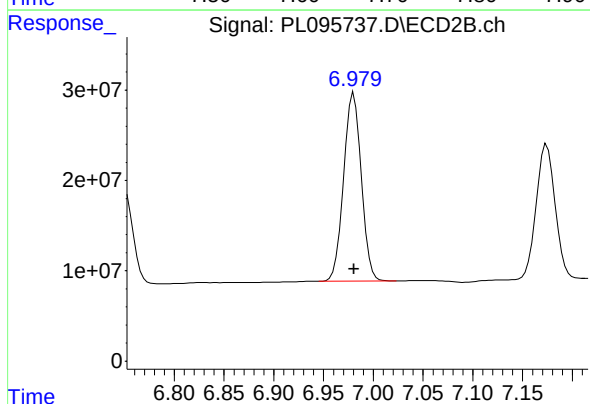
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 129624467
Conc: 50.00 ng/ml



#21 Endrin ketone

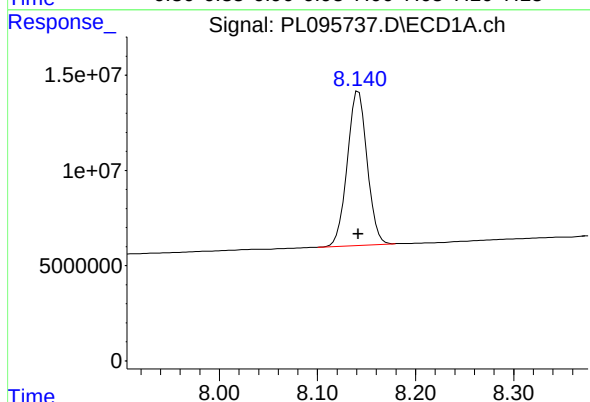
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 156794752
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



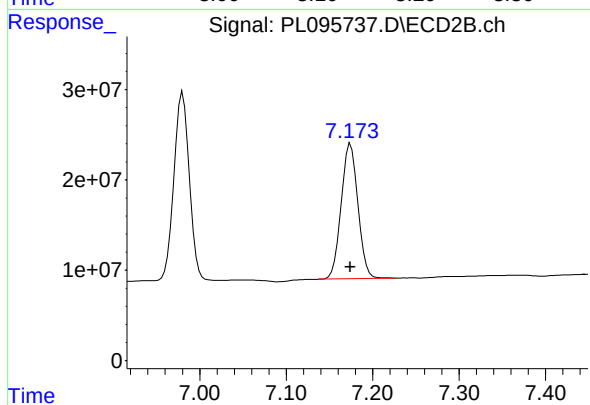
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 258169437
Conc: 50.00 ng/ml



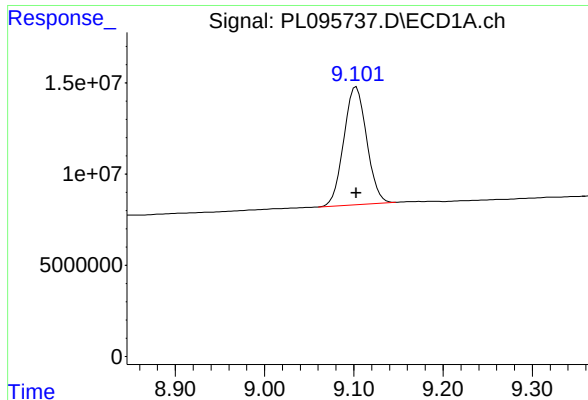
#22 Mirex

R.T.: 8.142 min
Delta R.T.: 0.000 min
Response: 113614693
Conc: 50.00 ng/ml



#22 Mirex

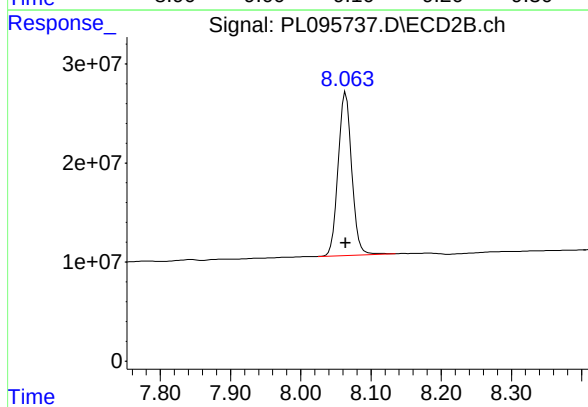
R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 199481332
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: 0.000 min
Response: 115217414
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 221205876
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095738.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:15
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:18:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	76560586	94950949	24.972	24.682
2) SA Decachlor...	9.102	8.063	58871383	110.2E6	25.548	24.905
Target Compounds						
2) A alpha-BHC	4.024	3.396	114.6E6	139.2E6	23.873	23.369
3) MA gamma-BHC...	4.356	3.730	106.1E6	133.9E6	24.117	23.682
4) MA Heptachlor	4.954	4.083	90572384	135.5E6	24.337	24.151
5) MB Aldrin	5.297	4.368	102.0E6	127.4E6	24.216	23.763
6) B beta-BHC	4.543	4.026	48288222	60913646	25.017	24.648
7) B delta-BHC	4.791	4.261	105.8E6	135.3E6	24.143	23.732
8) B Heptachlo...	5.718	4.871	92052683	120.3E6	24.672	24.327
9) A Endosulfan I	6.101	5.243	88752148	116.7E6	24.695	24.479
10) B gamma-Chl...	5.973	5.123	93872153	126.7E6	24.412	24.216
11) B alpha-Chl...	6.053	5.187	95402335	126.5E6	24.652	24.466
12) B 4,4'-DDE	6.224	5.374	87244934	129.6E6	24.023	24.262
13) MA Dieldrin	6.374	5.508	92714141	127.6E6	24.310	24.090
14) MA Endrin	6.602	5.783	77907657	118.3E6	24.458	24.444
15) B Endosulfa...	6.814	6.073	84624751	115.3E6	25.447	24.408
16) A 4,4'-DDD	6.733	5.926	70145317	105.7E6	24.266	24.009
17) MA 4,4'-DDT	7.049	6.180	64751863	115.9E6	24.429	24.121
18) B Endrin al...	6.943	6.251	58843793	84135949	24.874	24.615
19) B Endosulfa...	7.177	6.475	72659491	110.3E6	24.828	24.637
20) A Methoxychlor	7.521	6.750	31284485	65690870	24.800	25.339
21) B Endrin ke...	7.658	6.980	76716187	127.4E6	24.464m	24.674
22) Mirex	8.140	7.174	57020908	100.8E6	25.094	25.271

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

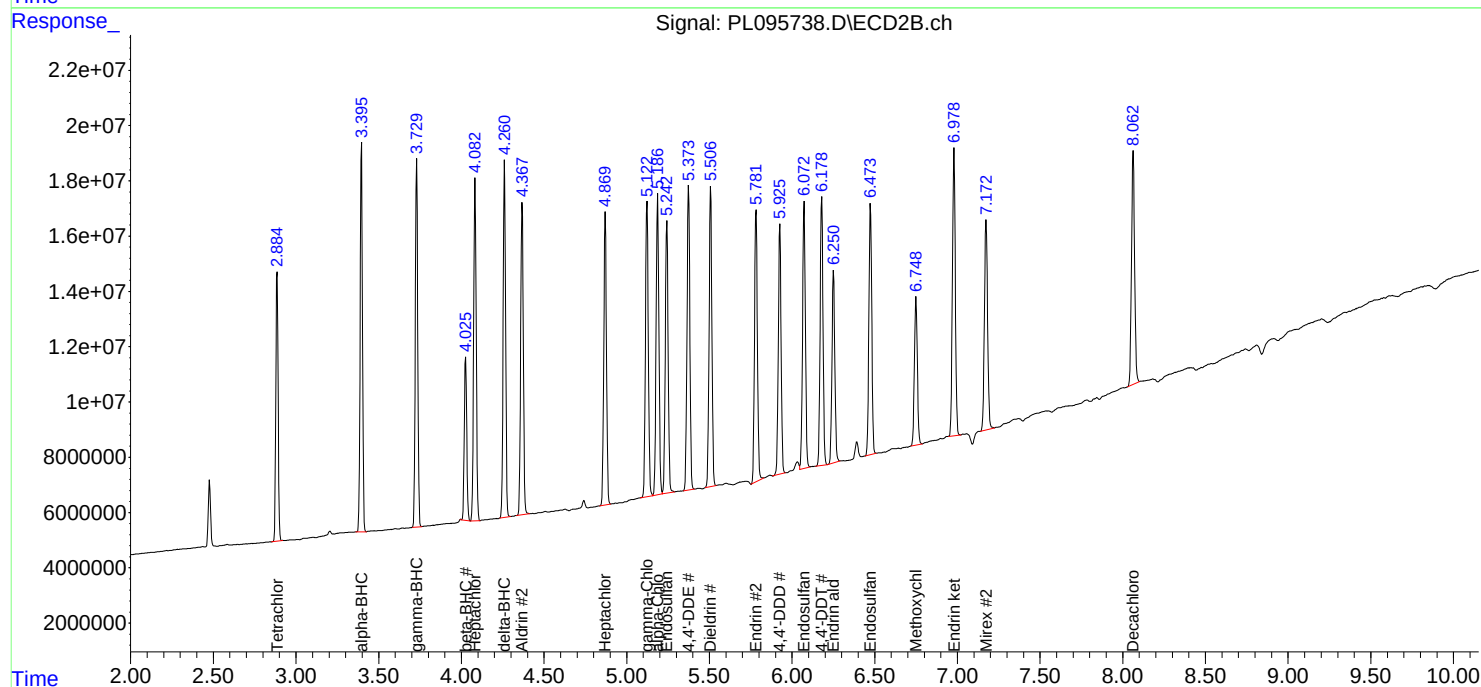
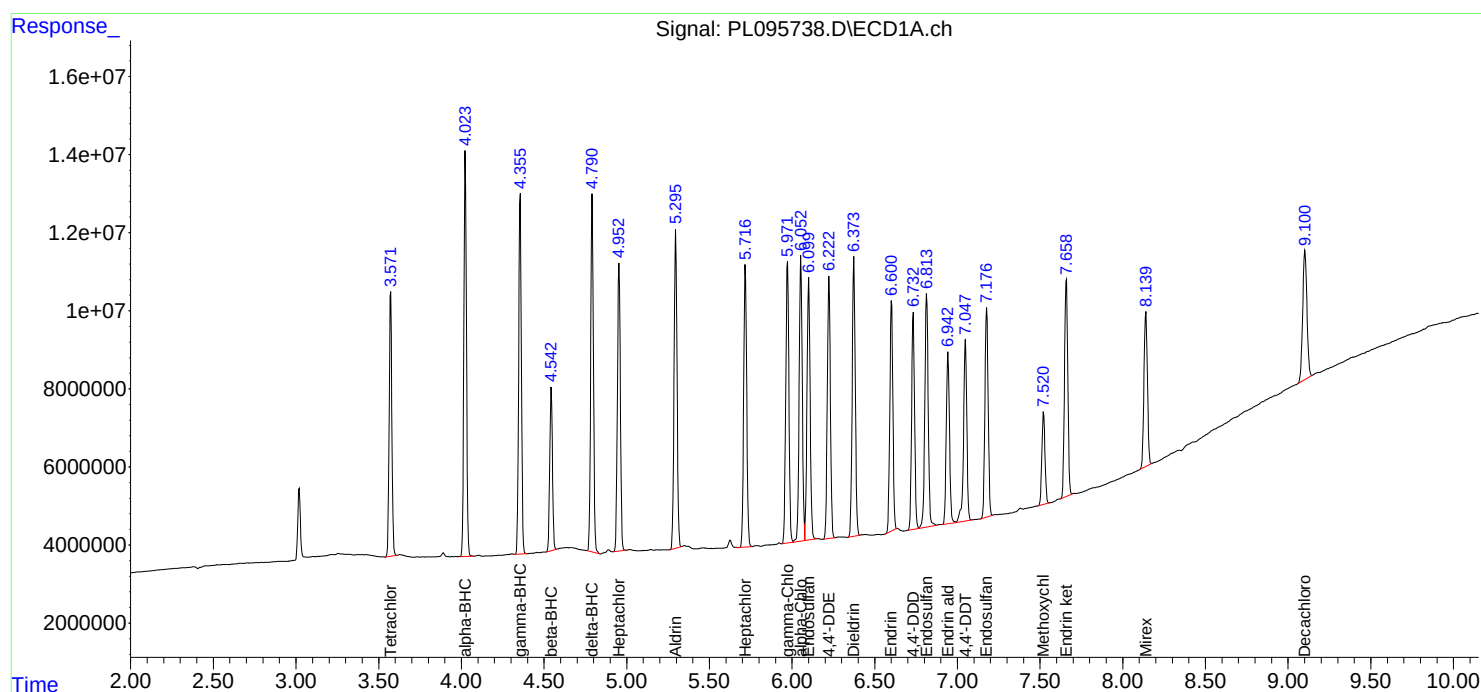
APPROVED

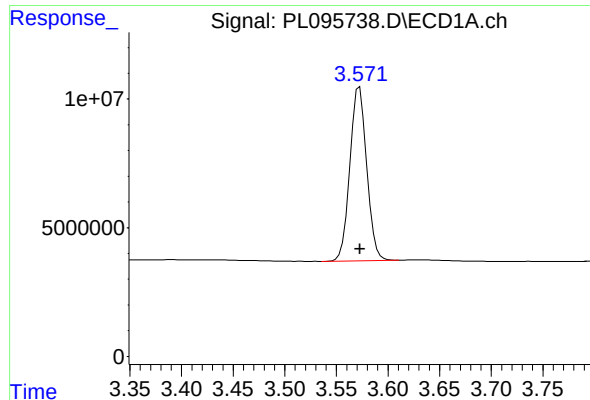
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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 x0.25µm





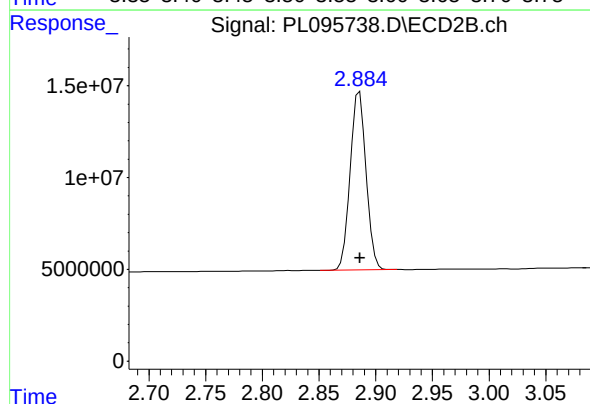
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.000 min
Response: 76560586
Conc: 24.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

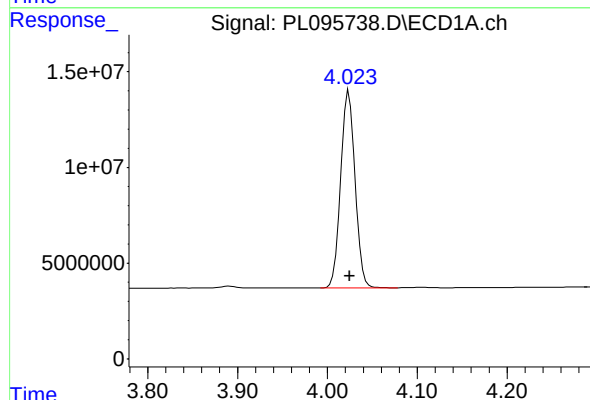
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



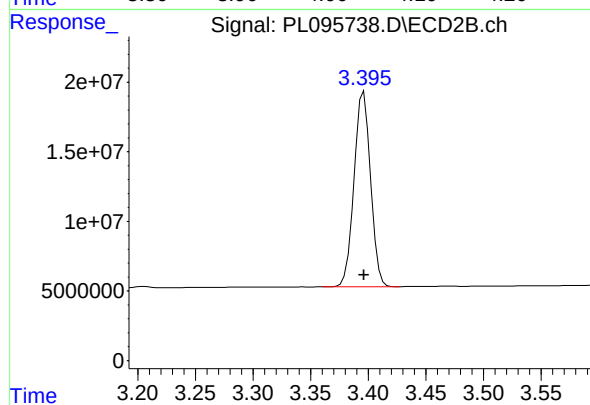
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 94950949
Conc: 24.68 ng/ml



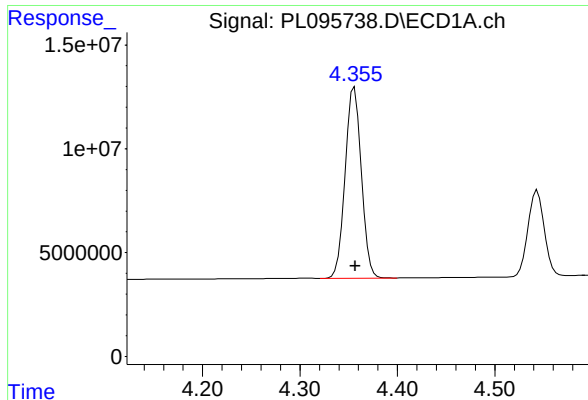
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 114585864
Conc: 23.87 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 139199253
Conc: 23.37 ng/ml



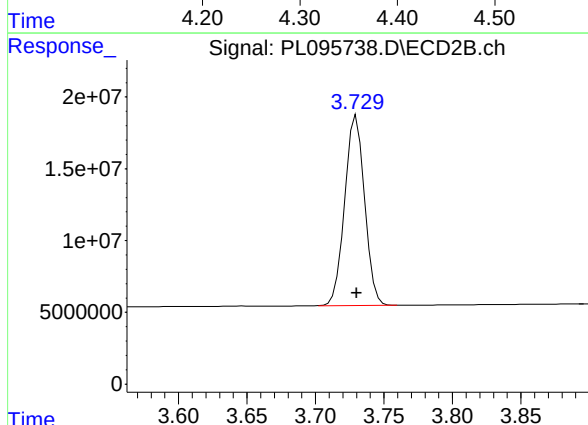
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 106135149
Conc: 24.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

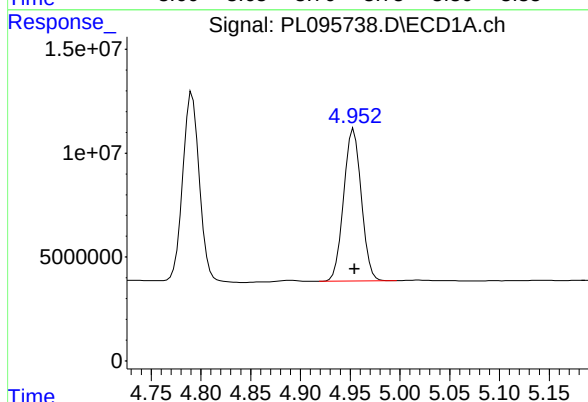
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



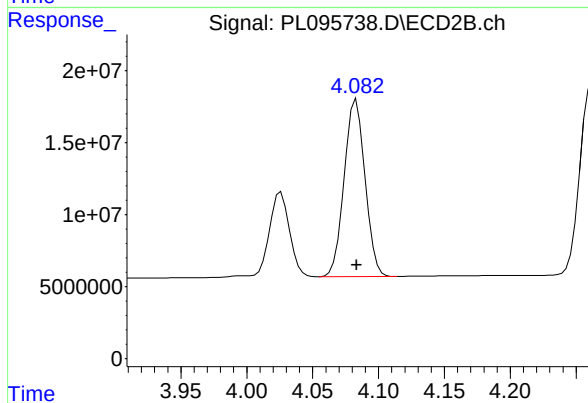
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 133853252
Conc: 23.68 ng/ml



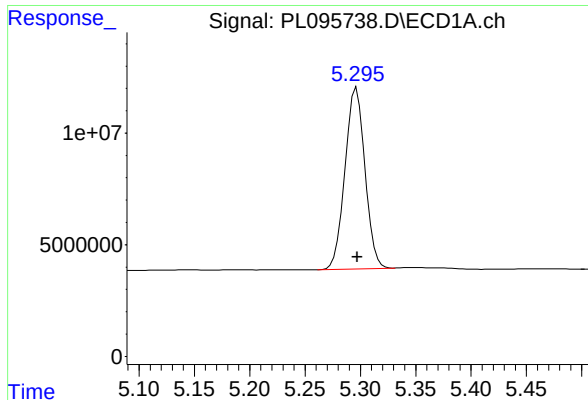
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 90572384
Conc: 24.34 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 135531388
Conc: 24.15 ng/ml



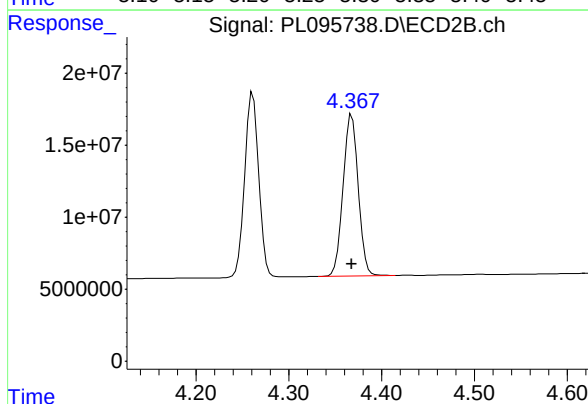
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 101979772
Conc: 24.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

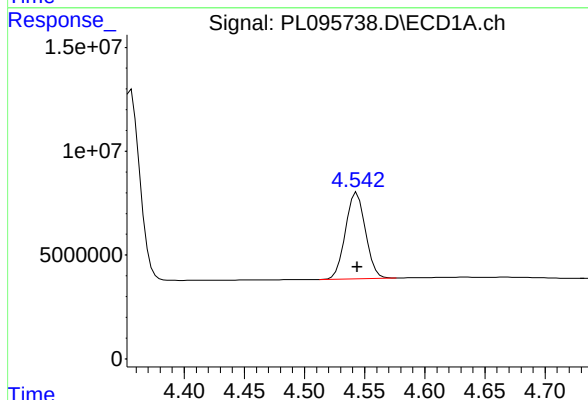
Manual Integrations
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Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



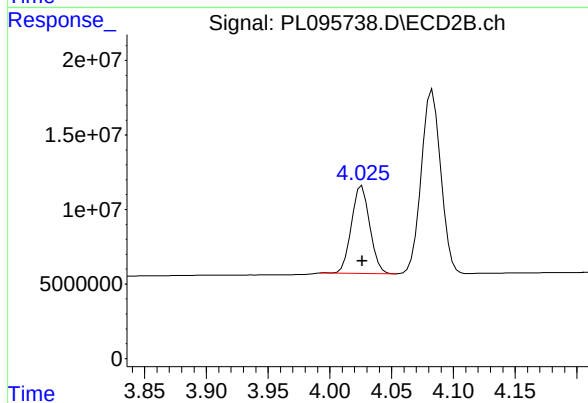
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 127353124
Conc: 23.76 ng/ml



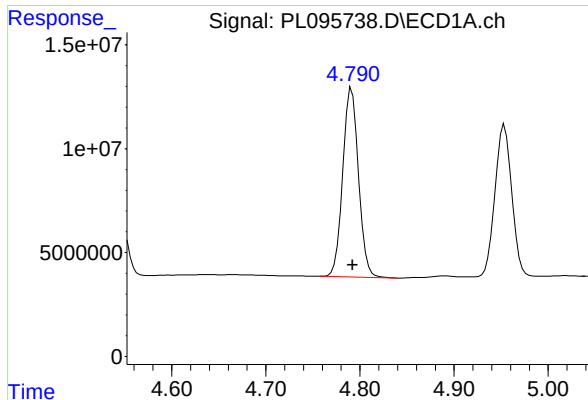
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 48288222
Conc: 25.02 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 60913646
Conc: 24.65 ng/ml



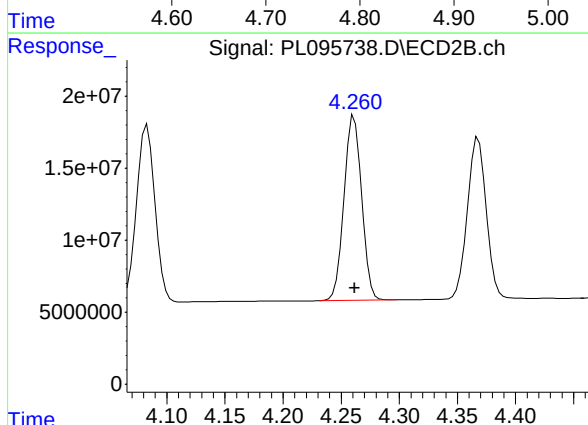
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 105843753
Conc: 24.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

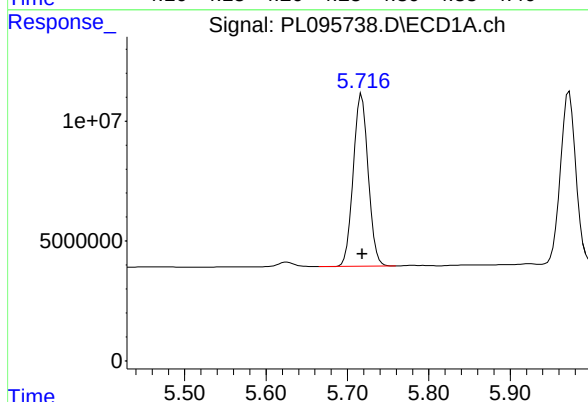
Manual Integrations
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Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



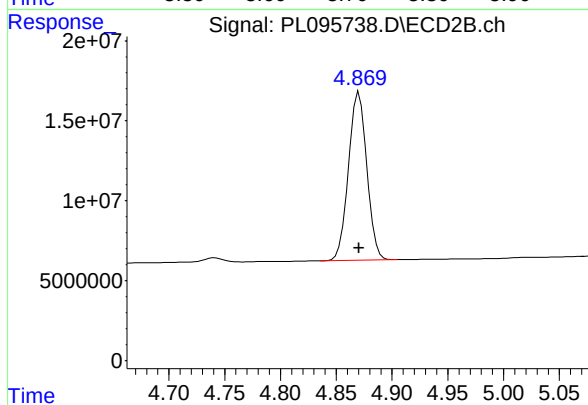
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 135280168
Conc: 23.73 ng/ml



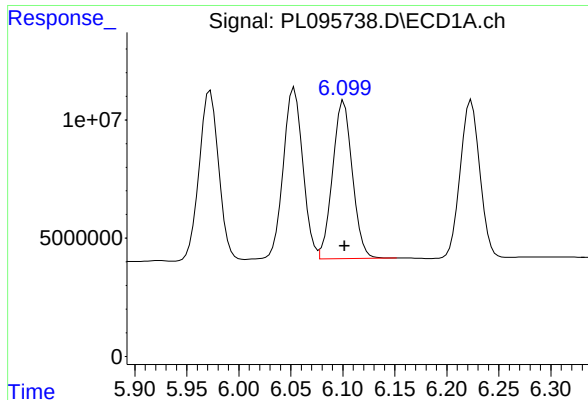
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 92052683
Conc: 24.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 120269114
Conc: 24.33 ng/ml



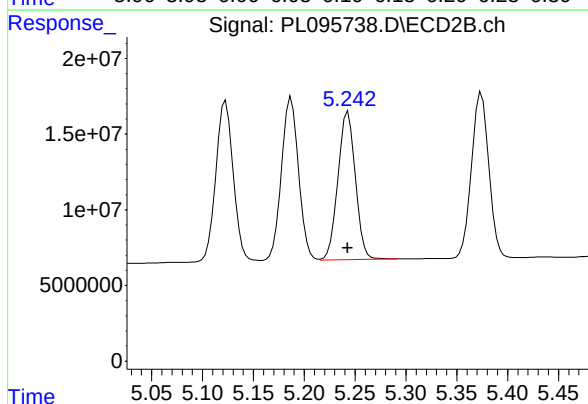
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 88752148
Conc: 24.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

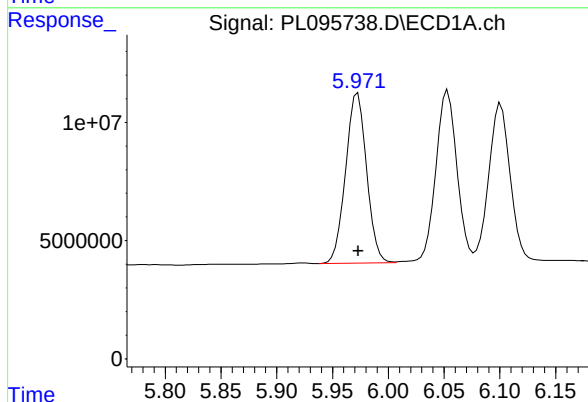
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



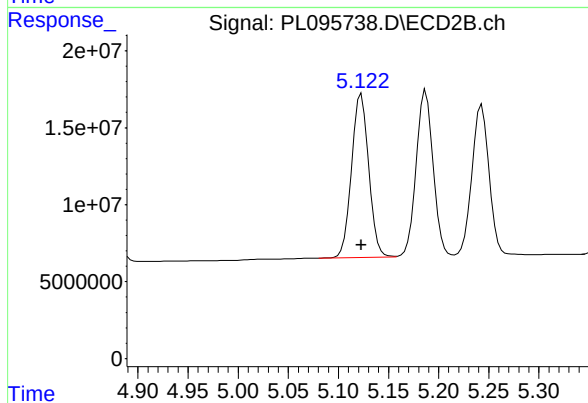
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 116711583
Conc: 24.48 ng/ml



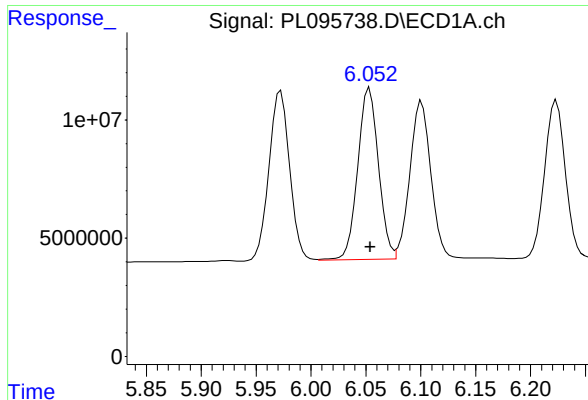
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 93872153
Conc: 24.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 126720112
Conc: 24.22 ng/ml



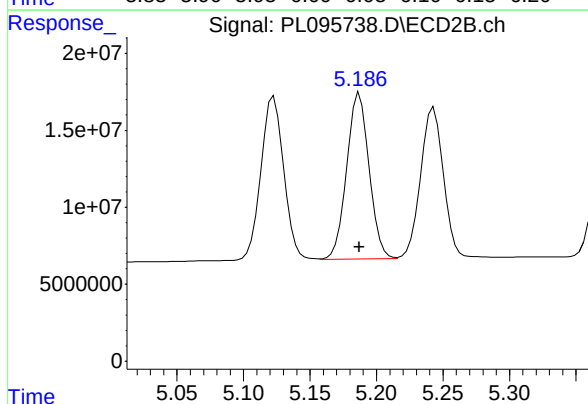
#11 alpha-Chlordane

R.T.: 6.053 min
Delta R.T.: 0.000 min
Response: 95402335
Conc: 24.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

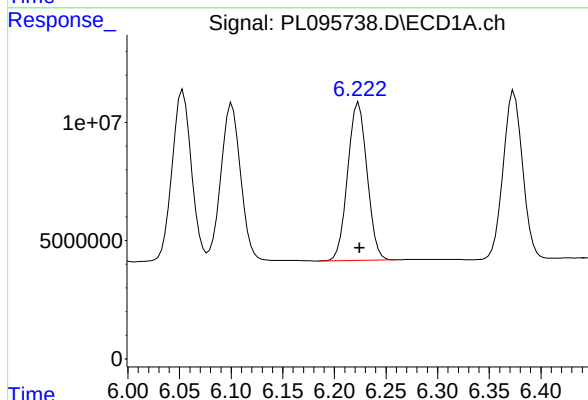
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



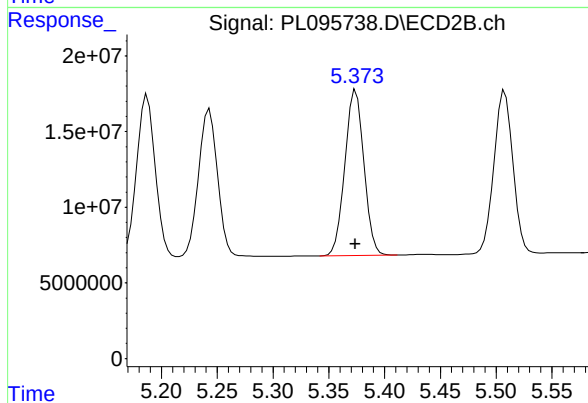
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 126478637
Conc: 24.47 ng/ml



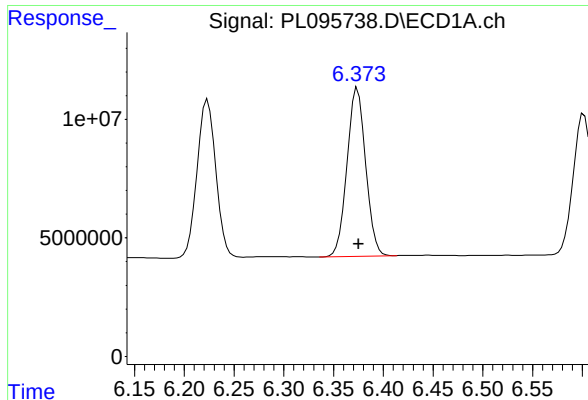
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 87244934
Conc: 24.02 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 129631725
Conc: 24.26 ng/ml



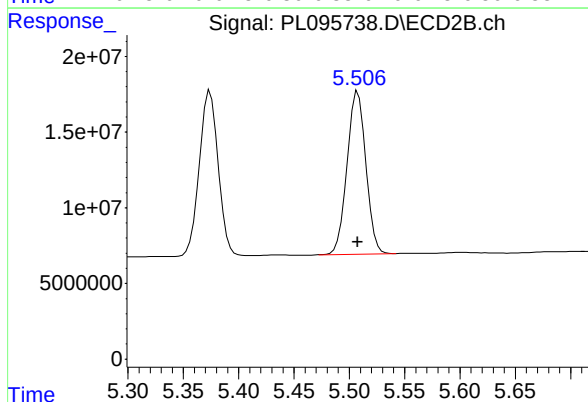
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.001 min
Response: 92714141
Conc: 24.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

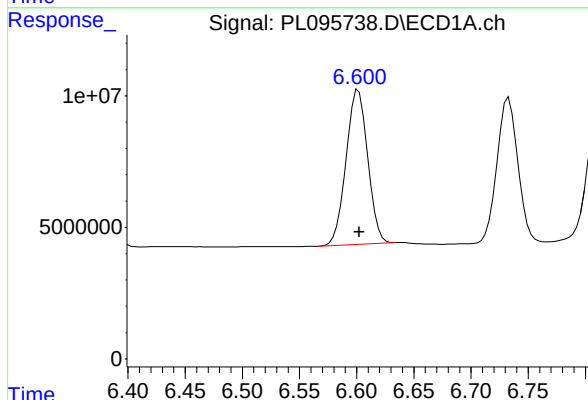
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



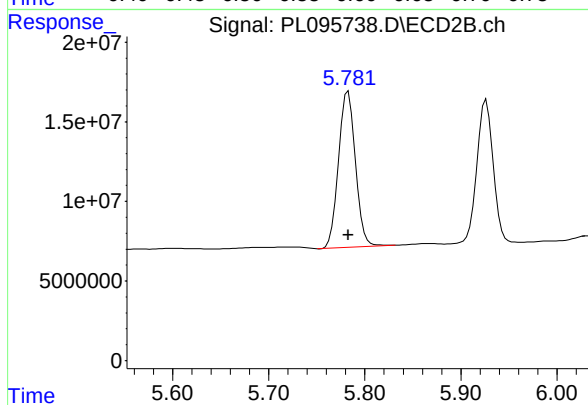
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 127594881
Conc: 24.09 ng/ml



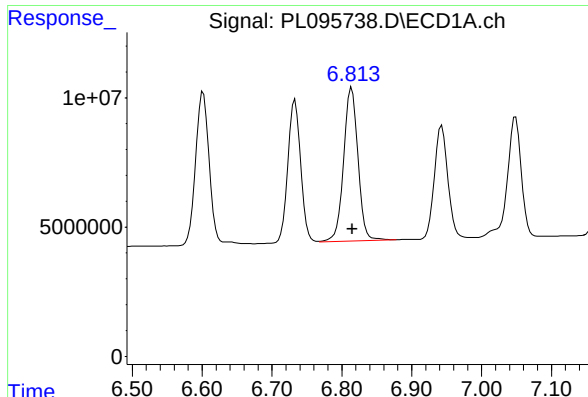
#14 Endrin

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 77907657
Conc: 24.46 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 118337806
Conc: 24.44 ng/ml



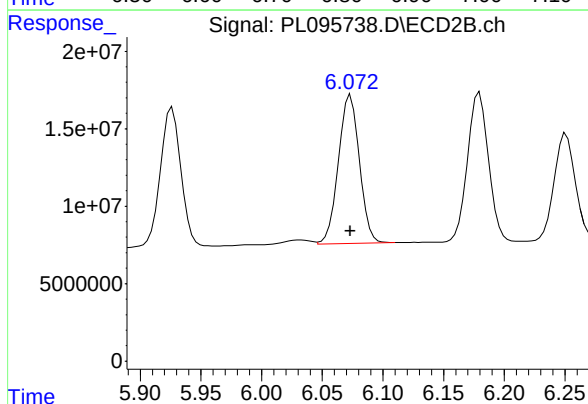
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.001 min
Response: 84624751
Conc: 25.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

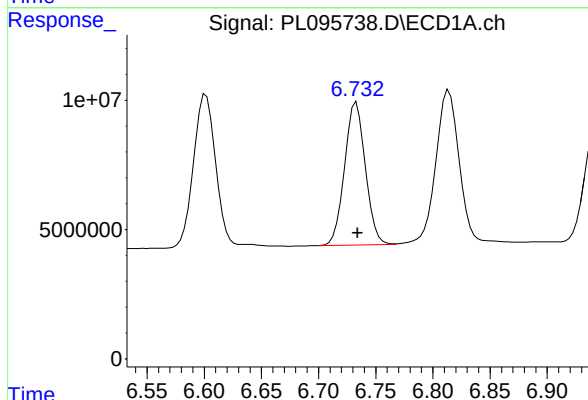
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



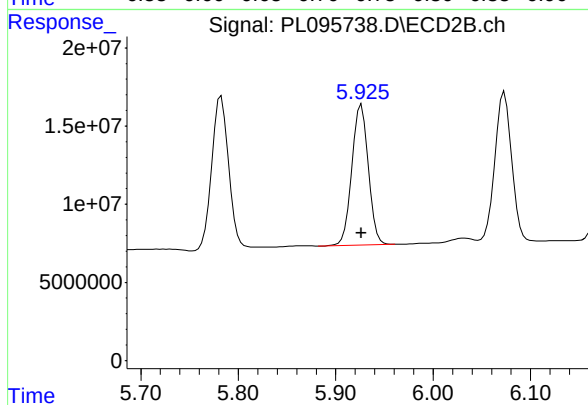
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 115251400
Conc: 24.41 ng/ml



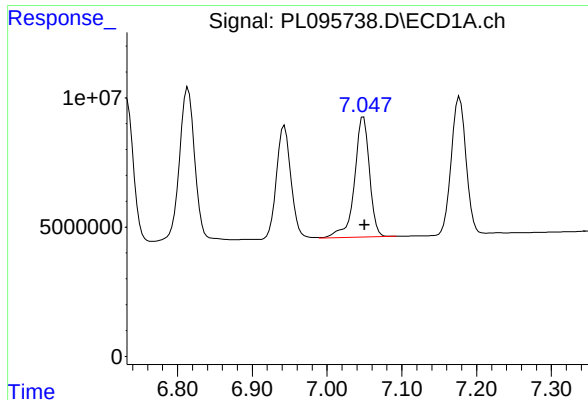
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: -0.001 min
Response: 70145317
Conc: 24.27 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 105746062
Conc: 24.01 ng/ml



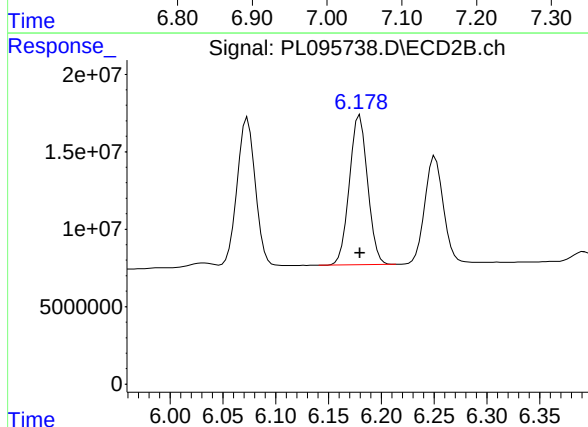
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 64751863
Conc: 24.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

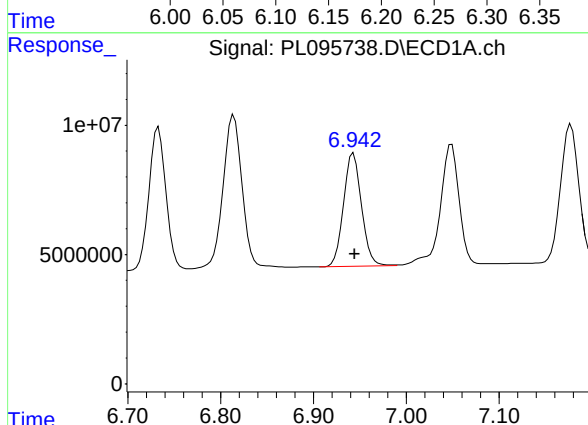
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



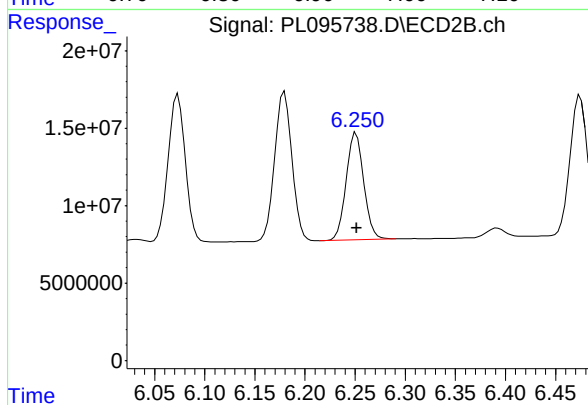
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 115918284
Conc: 24.12 ng/ml



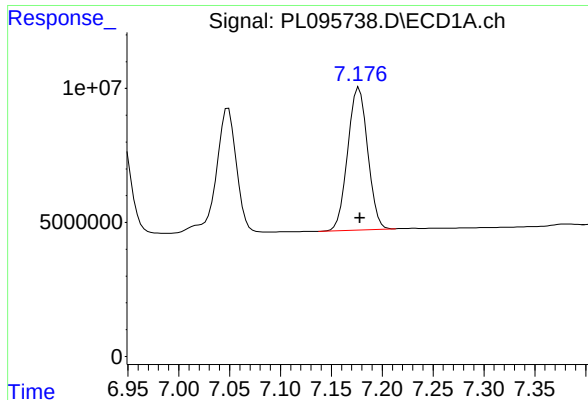
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.001 min
Response: 58843793
Conc: 24.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 84135949
Conc: 24.61 ng/ml



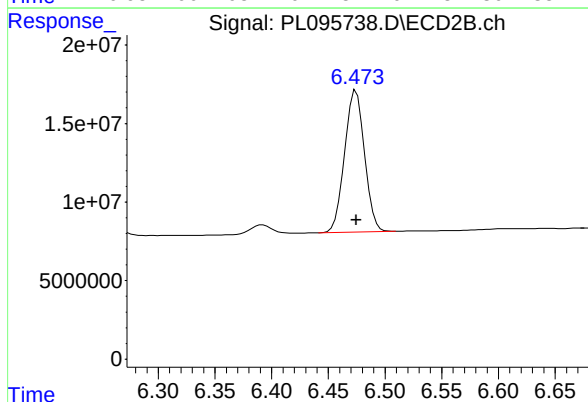
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.001 min
Response: 72659491
Conc: 24.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

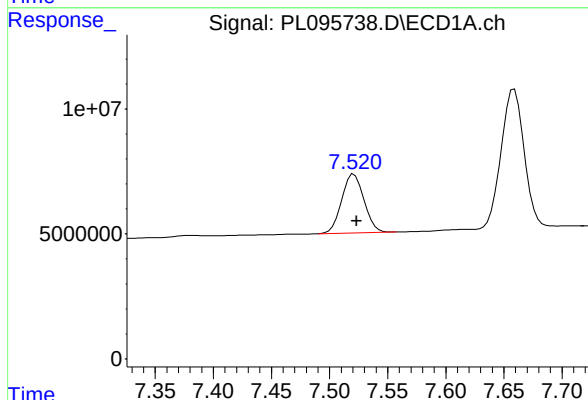
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



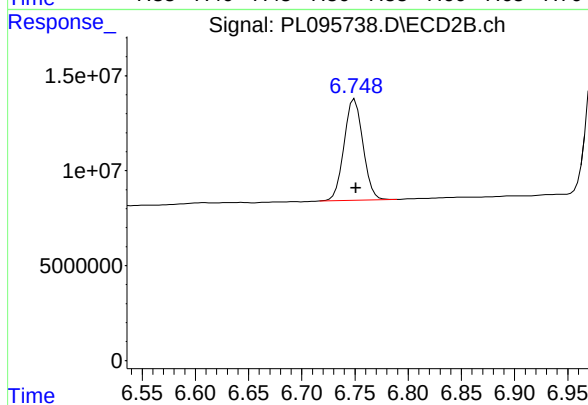
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 110256965
Conc: 24.64 ng/ml



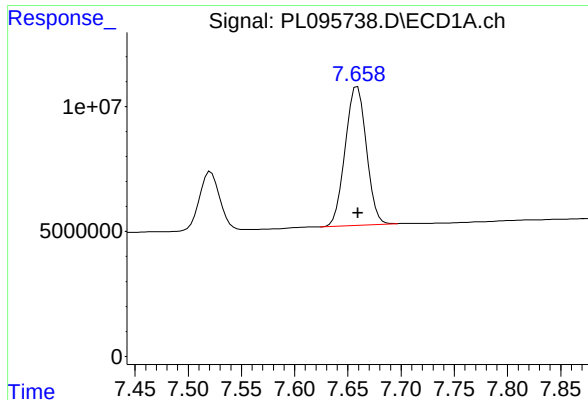
#20 Methoxychlor

R.T.: 7.521 min
Delta R.T.: -0.002 min
Response: 31284485
Conc: 24.80 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 65690870
Conc: 25.34 ng/ml



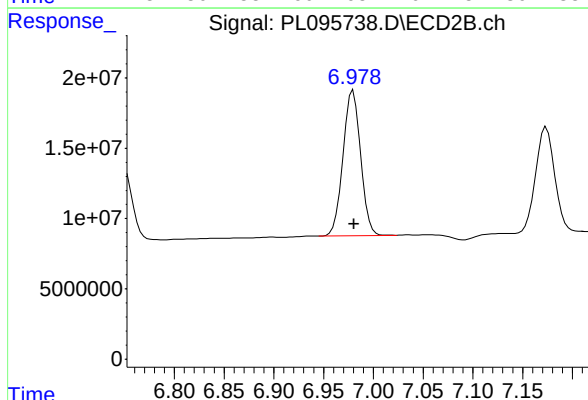
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.002 min
Response: 76716187
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

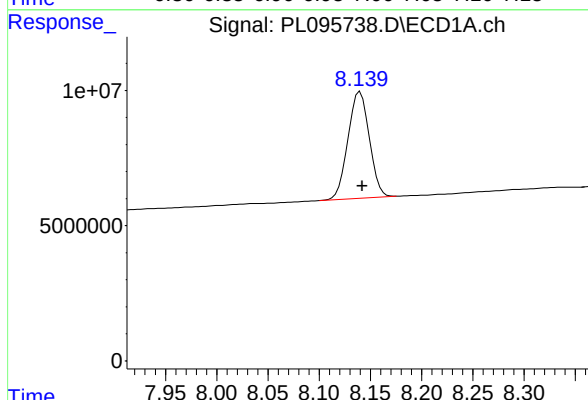
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



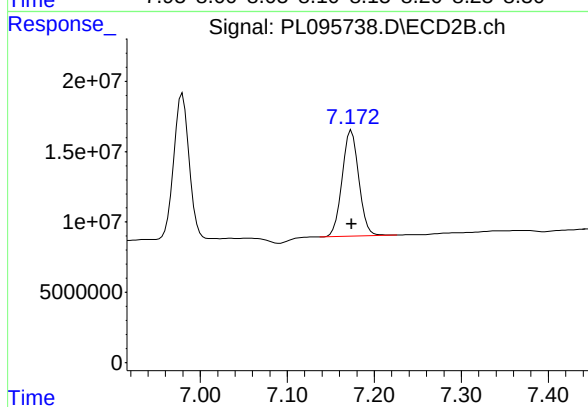
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 127401645
Conc: 24.67 ng/ml



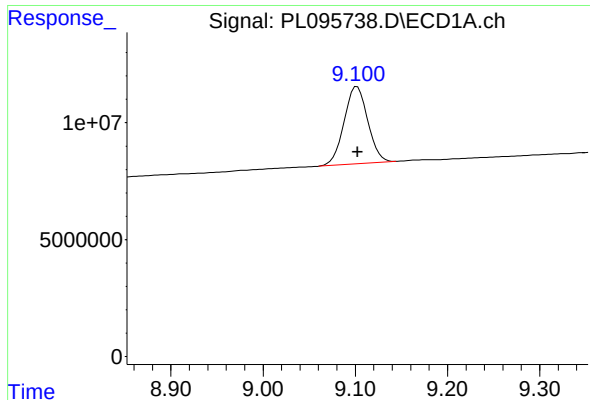
#22 Mirex

R.T.: 8.140 min
Delta R.T.: -0.002 min
Response: 57020908
Conc: 25.09 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 100821592
Conc: 25.27 ng/ml



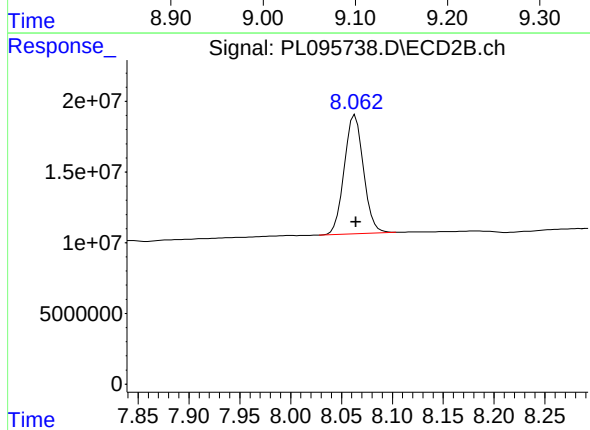
#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 58871383
Conc: 25.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 110181832
Conc: 24.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095739.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
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Reviewed By :Abdul Mirza 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:18:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.886	17497825	21096940	5.707	5.484
28)	SA Decachlor...	9.103	8.063	12764965	22203751	5.540	5.019
Target Compounds							
2)	A alpha-BHC	4.024	3.396	24570031	28284612	5.119	4.748
3)	MA gamma-BHC...	4.356	3.730	23387598	28103979	5.314	4.972
4)	MA Heptachlor	4.954	4.083	20290863	28916844	5.452	5.153
5)	MB Aldrin	5.297	4.367	22698872	26657290	5.390	4.974
6)	B beta-BHC	4.543	4.024	10956530	13075300	5.676	5.291m
7)	B delta-BHC	4.791	4.260	23107421	27796466	5.271	4.876
8)	B Heptachlo...	5.718	4.870	21257105	26148919	5.697	5.289
9)	A Endosulfan I	6.101	5.242	19914506	24747084	5.541	5.191
10)	B gamma-Chl...	5.972	5.122	20307663	27292023	5.281	5.215
11)	B alpha-Chl...	6.054	5.187	21308053	27275610	5.506	5.276
12)	B 4,4'-DDE	6.224	5.373	19030626	28338631	5.240	5.304
13)	MA Dieldrin	6.374	5.507	20282884	27652826	5.318	5.221
14)	MA Endrin	6.601	5.782	17282532	26245470	5.426	5.421
15)	B Endosulfa...	6.813	6.072	19748605	25475691	5.938m	5.395
16)	A 4,4'-DDD	6.734	5.926	15147186	22389854	5.240	5.084
17)	MA 4,4'-DDT	7.049	6.178	14589187	24336314	5.504	5.064
18)	B Endrin al...	6.944	6.251	13442001	18961374	5.682	5.547
19)	B Endosulfa...	7.178	6.474	16401273	24080379	5.604	5.381
20)	A Methoxychlor	7.522	6.750	6867163	14215195	5.444	5.483
21)	B Endrin ke...	7.657	6.979	16646440	27643113	5.308m	5.354
22)	Mirex	8.140	7.173	12674224	23112456	5.578	5.793

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

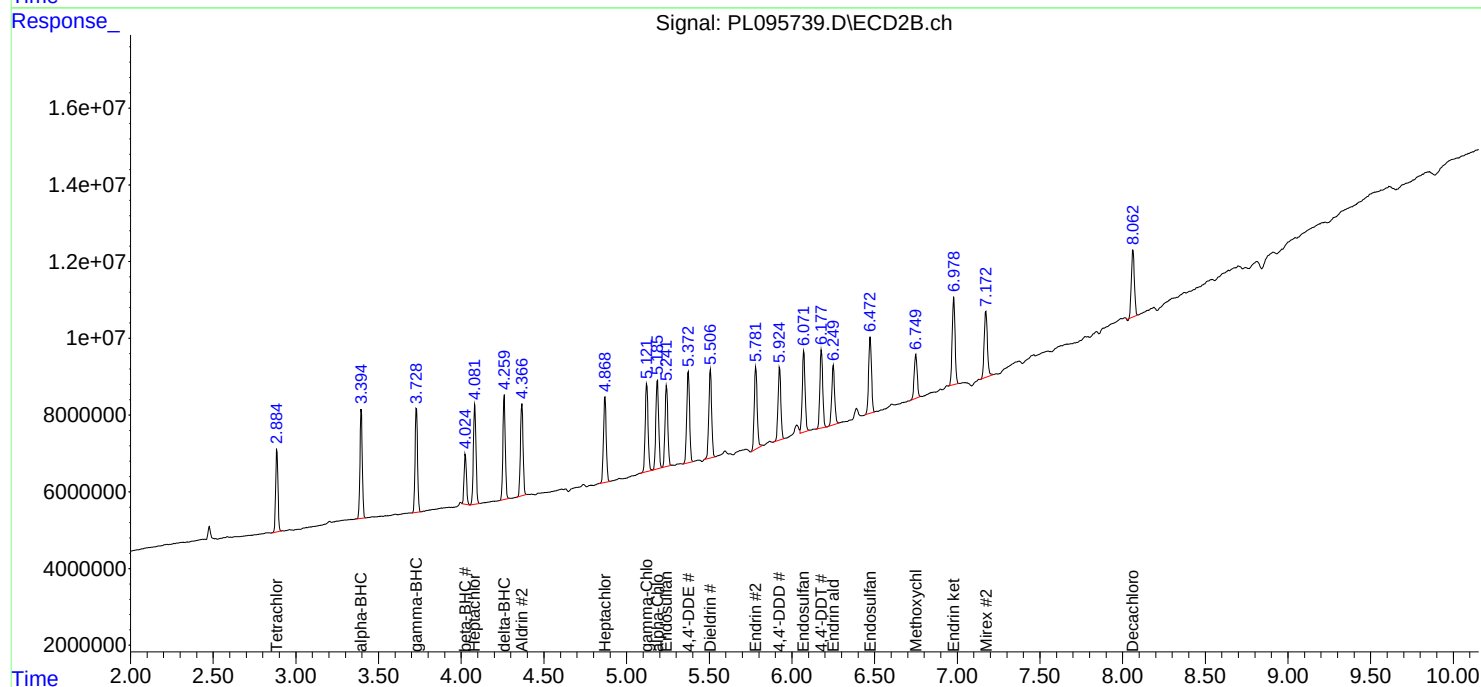
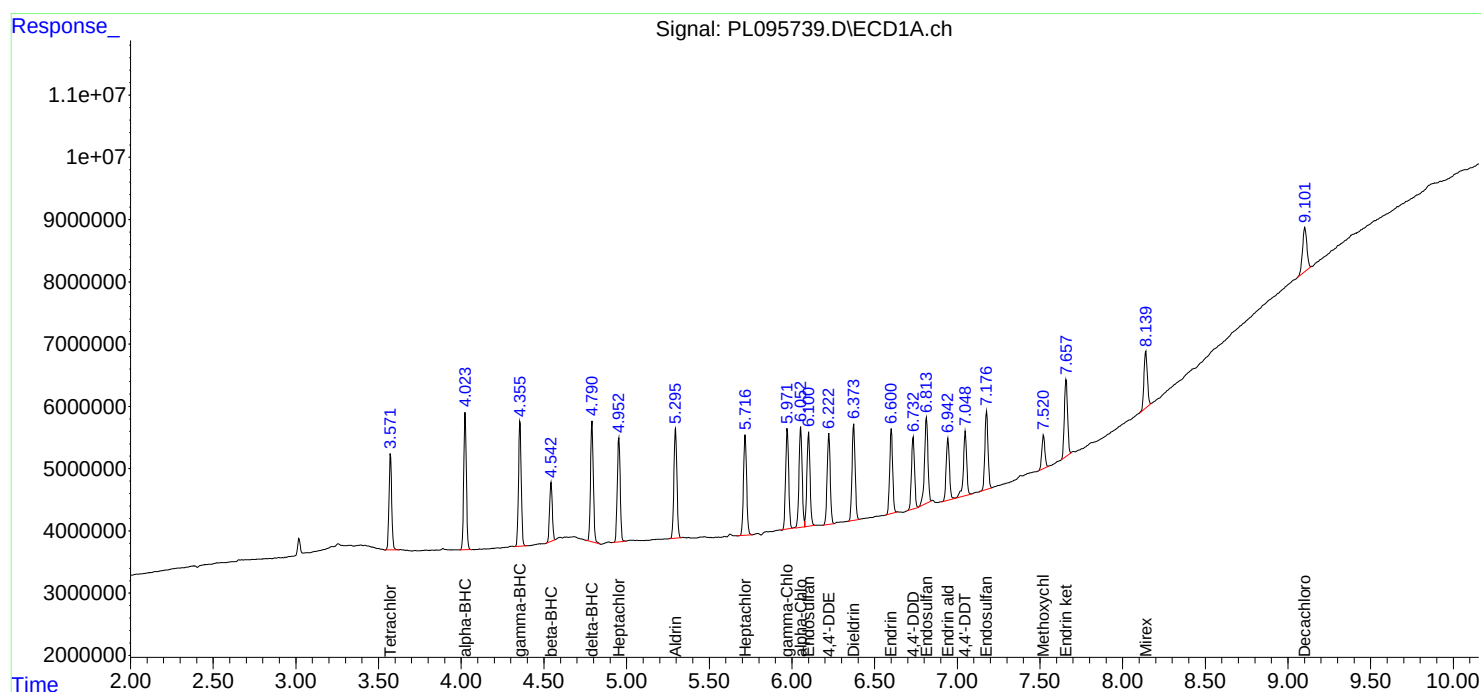
APPROVED

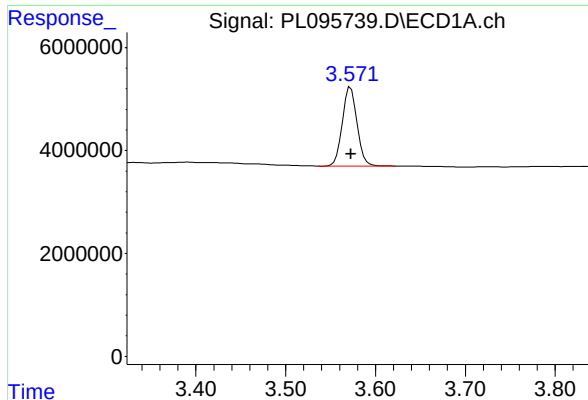
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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 x0.25µm





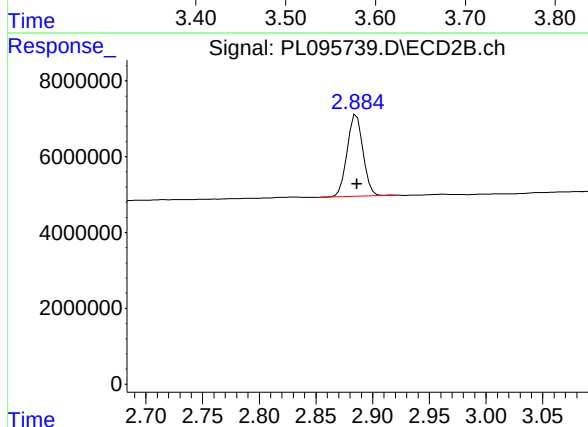
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.000 min
Response: 17497825
Conc: 5.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

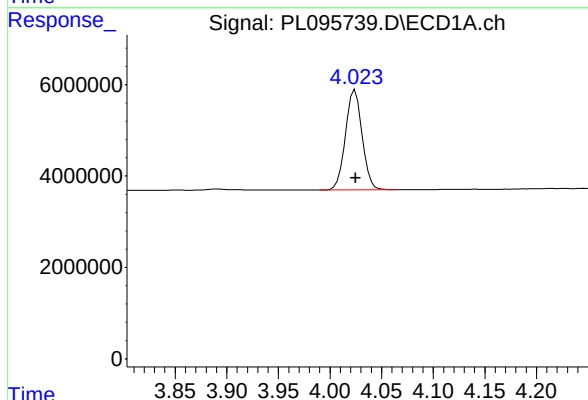
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



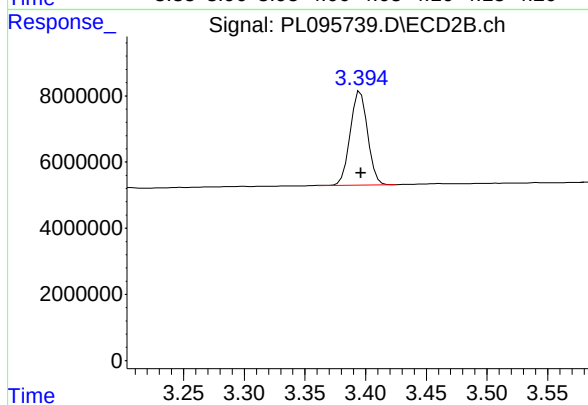
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 21096940
Conc: 5.48 ng/ml



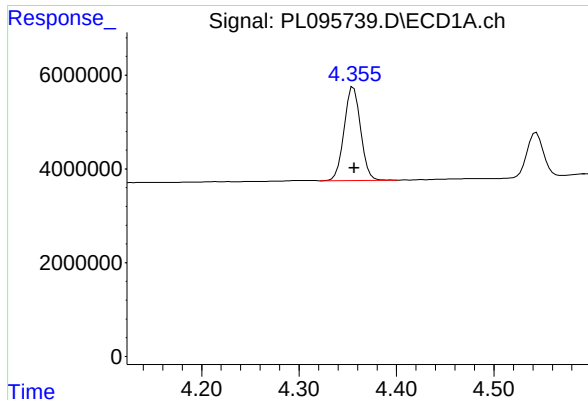
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 24570031
Conc: 5.12 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 28284612
Conc: 4.75 ng/ml



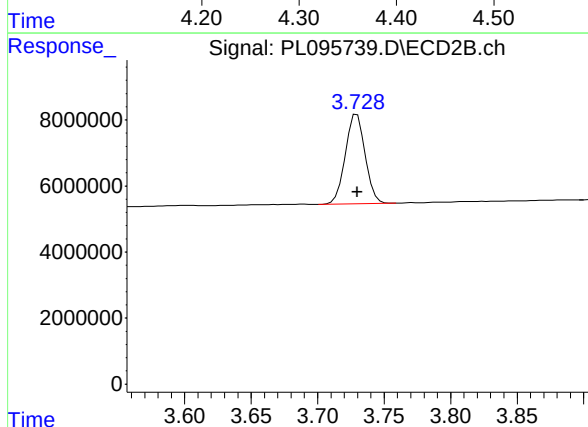
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 23387598
Conc: 5.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

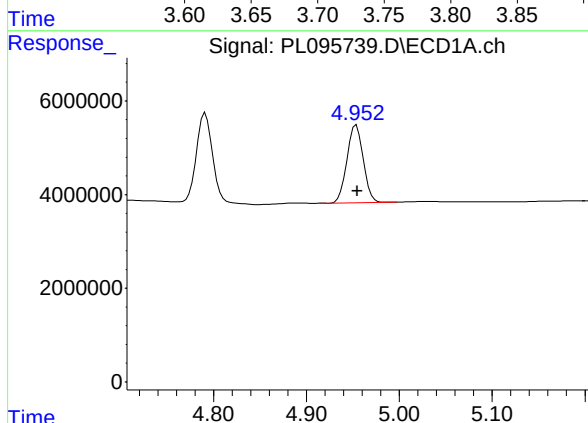
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



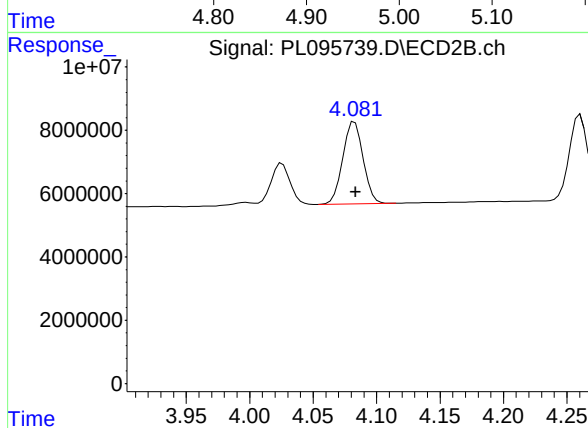
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 28103979
Conc: 4.97 ng/ml



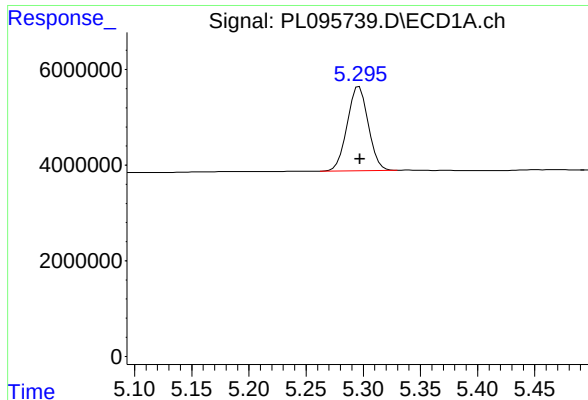
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 20290863
Conc: 5.45 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 28916844
Conc: 5.15 ng/ml



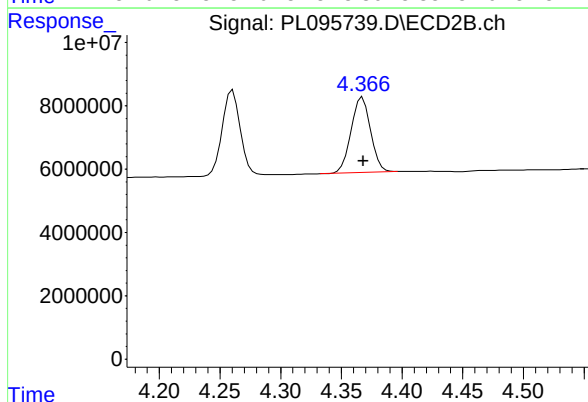
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 22698872
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

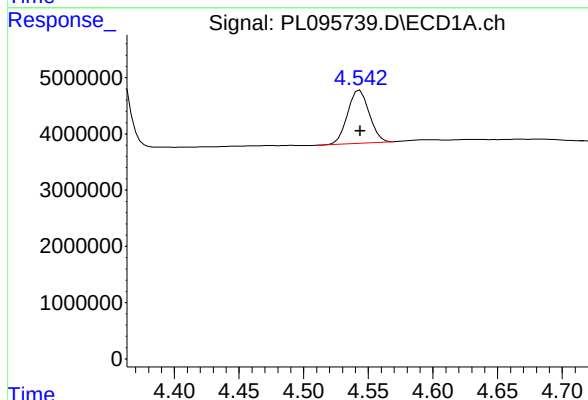
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



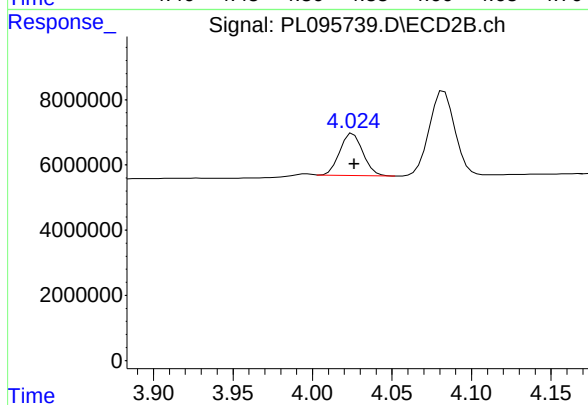
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 26657290
Conc: 4.97 ng/ml



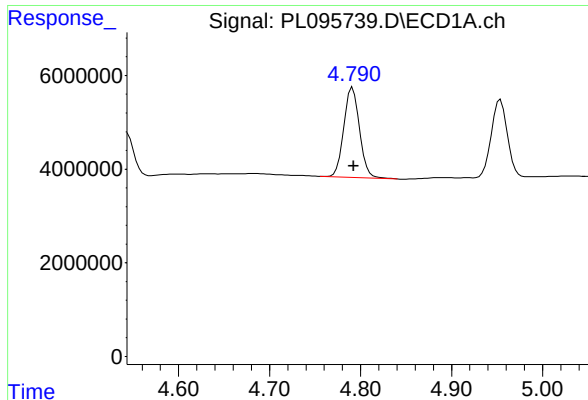
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 10956530
Conc: 5.68 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 13075300
Conc: 5.29 ng/ml m



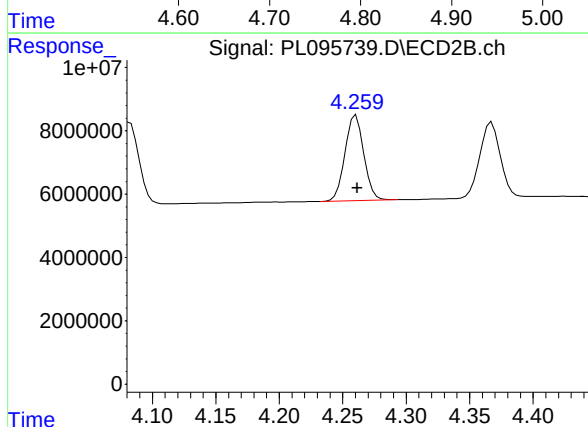
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 23107421
Conc: 5.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

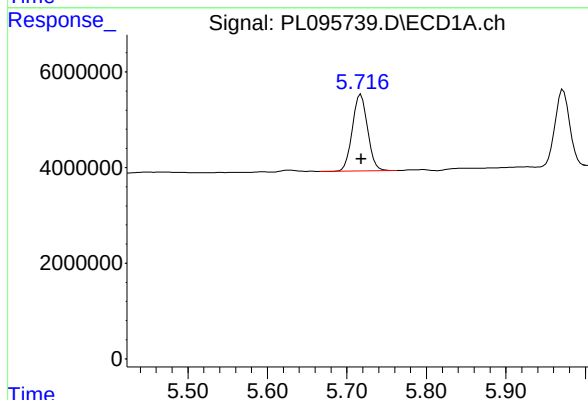
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Supervised By :mohammad ahmed 05/23/2025



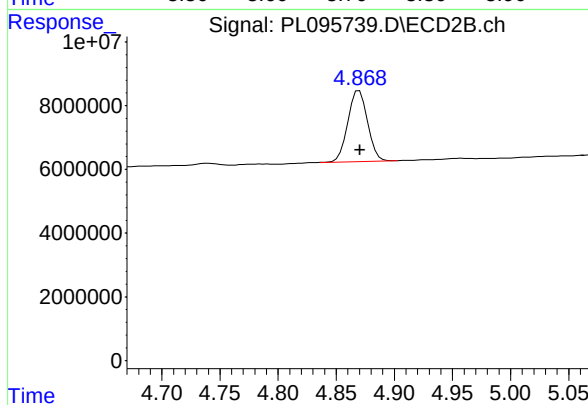
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.001 min
Response: 27796466
Conc: 4.88 ng/ml



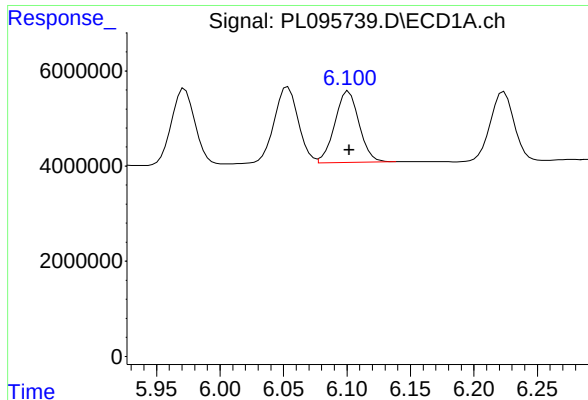
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 21257105
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 26148919
Conc: 5.29 ng/ml



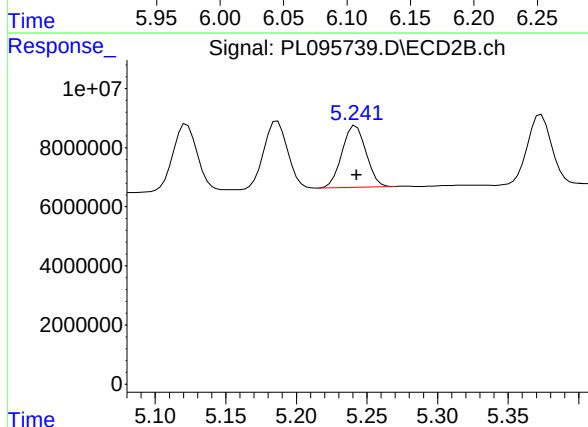
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 19914506
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

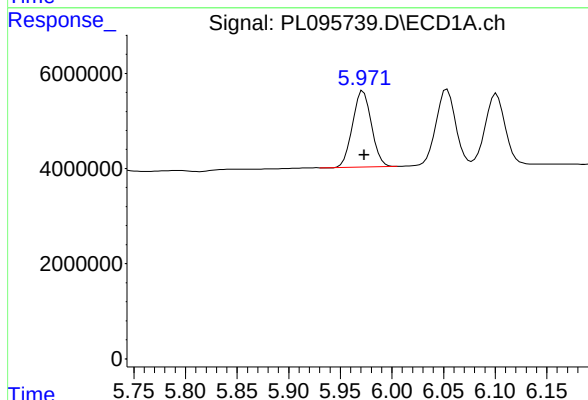
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Supervised By :mohammad ahmed 05/23/2025



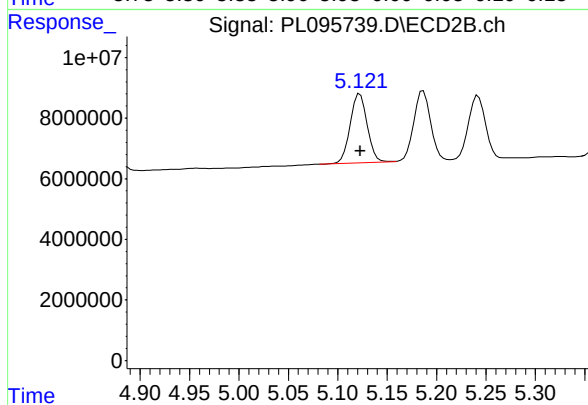
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 24747084
Conc: 5.19 ng/ml



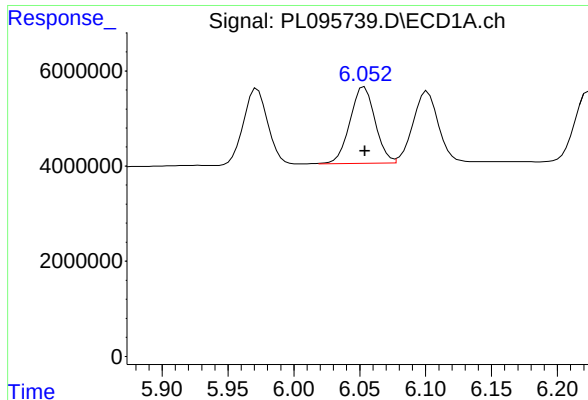
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: 0.000 min
Response: 20307663
Conc: 5.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 27292023
Conc: 5.22 ng/ml



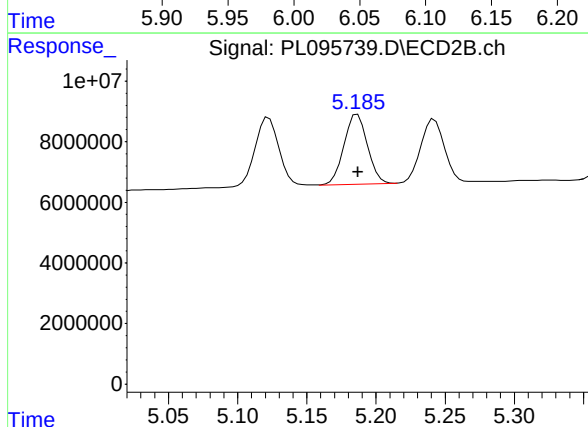
#11 alpha-Chlordane

R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 21308053
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

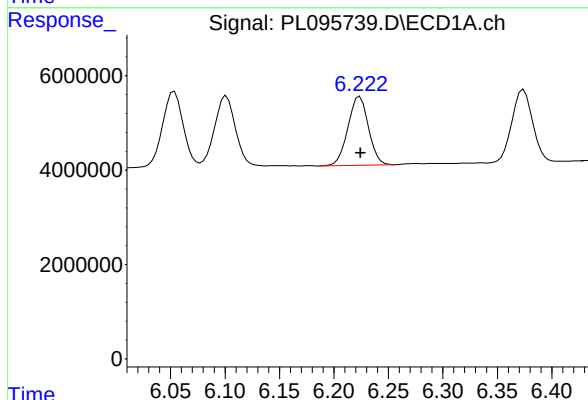
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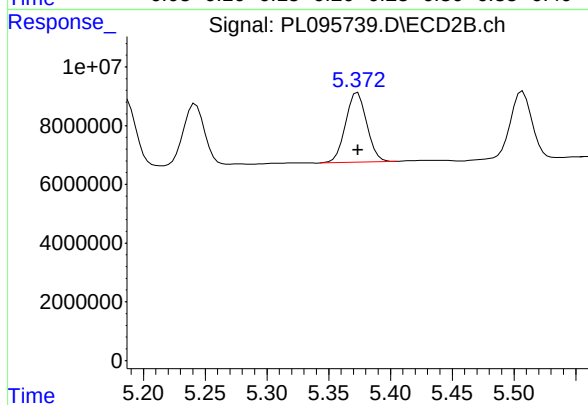
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 27275610
Conc: 5.28 ng/ml



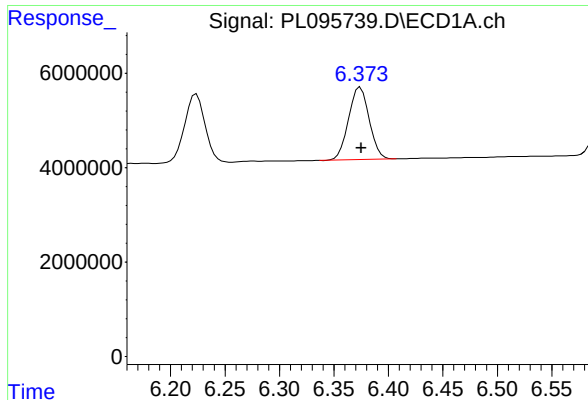
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 19030626
Conc: 5.24 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 28338631
Conc: 5.30 ng/ml



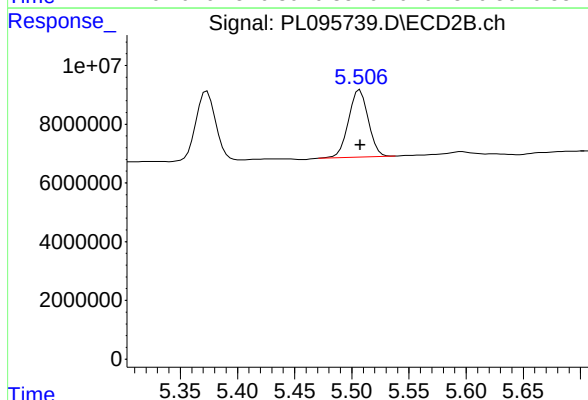
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.001 min
Response: 20282884
Conc: 5.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

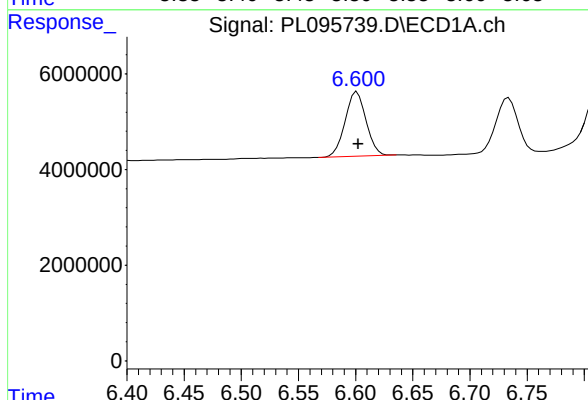
Manual Integrations
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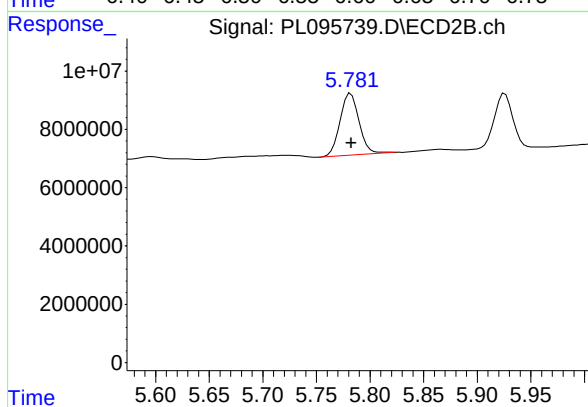
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 27652826
Conc: 5.22 ng/ml



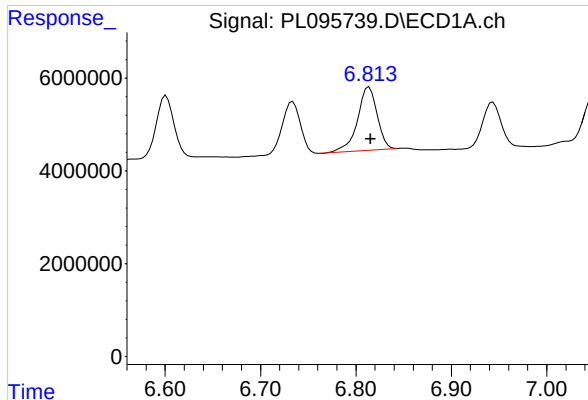
#14 Endrin

R.T.: 6.601 min
Delta R.T.: -0.001 min
Response: 17282532
Conc: 5.43 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 26245470
Conc: 5.42 ng/ml



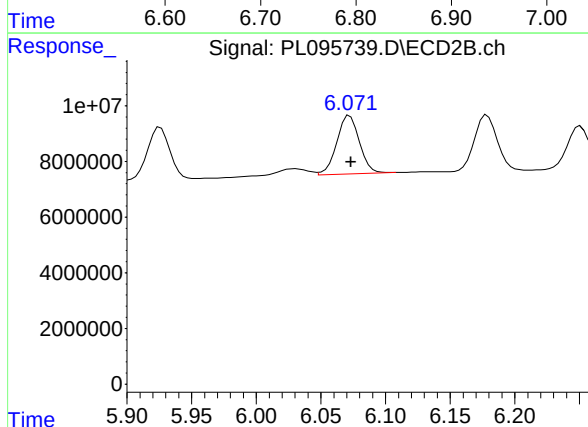
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: -0.003 min
Response: 19748605
Conc: 5.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

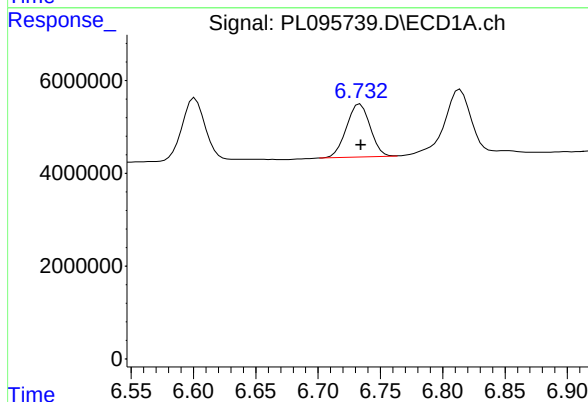
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



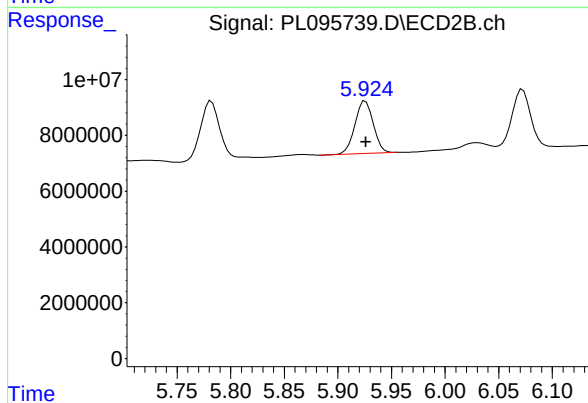
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 25475691
Conc: 5.40 ng/ml



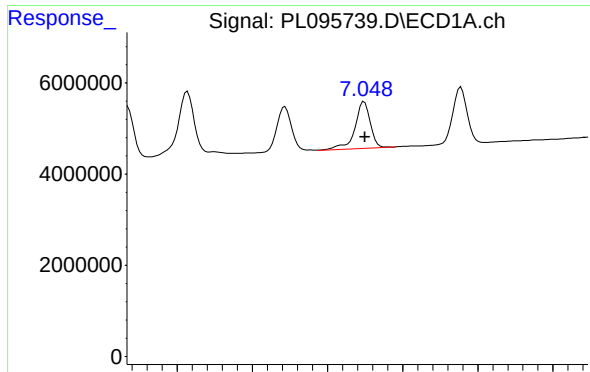
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 15147186
Conc: 5.24 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 22389854
Conc: 5.08 ng/ml



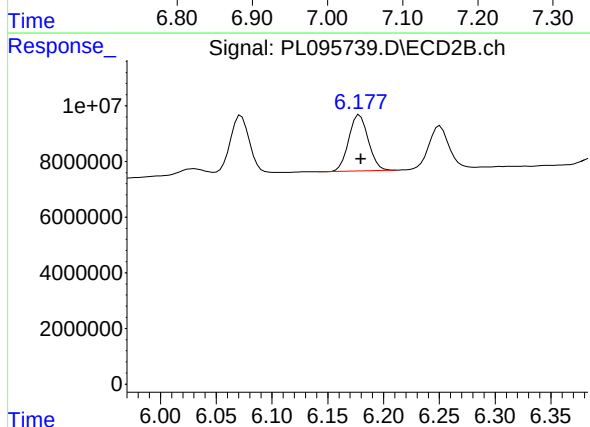
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 14589187
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

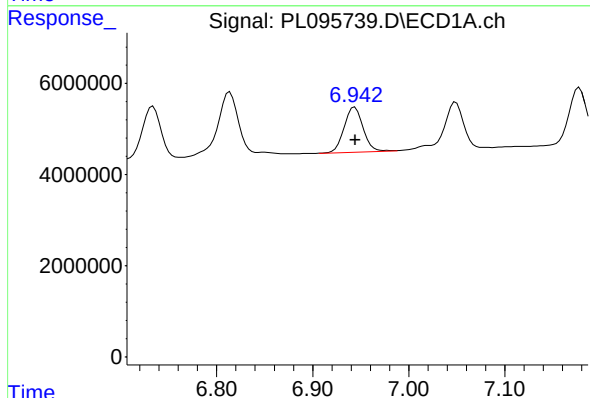
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



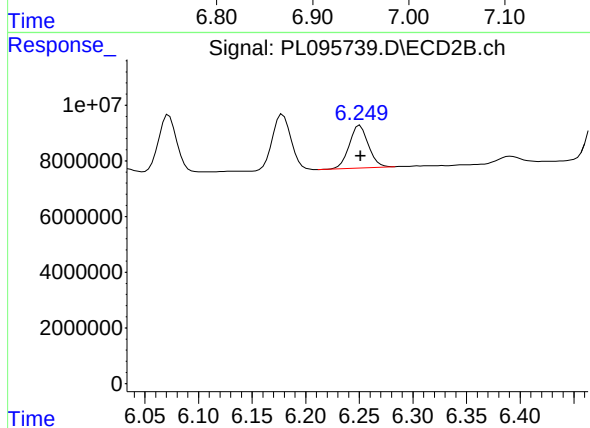
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 24336314
Conc: 5.06 ng/ml



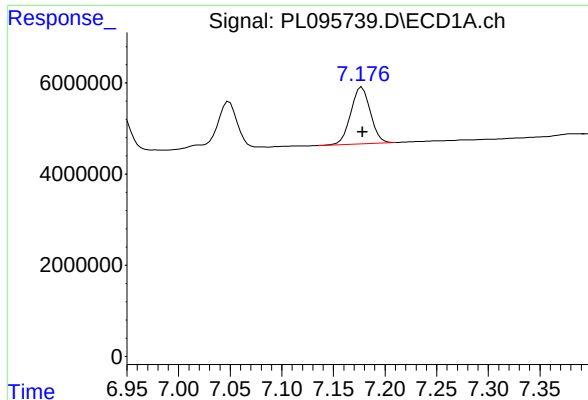
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 13442001
Conc: 5.68 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 18961374
Conc: 5.55 ng/ml



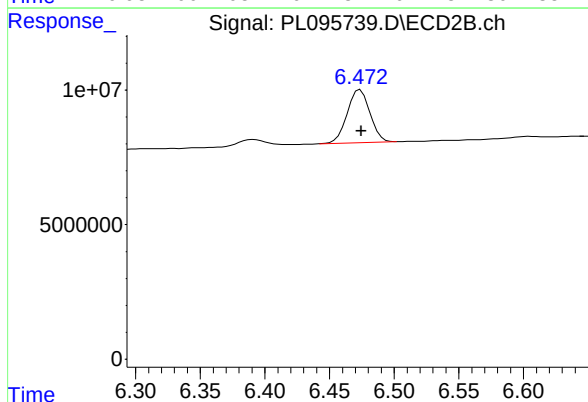
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 16401273
Conc: 5.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

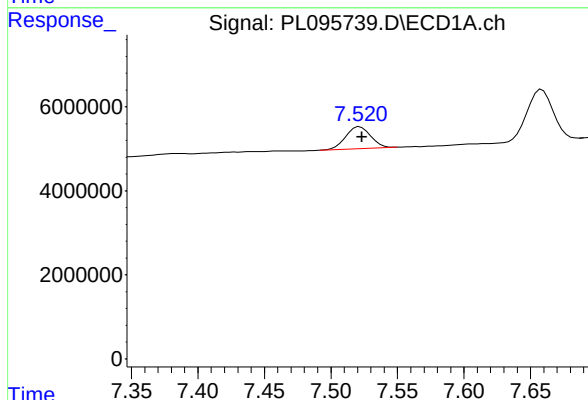
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



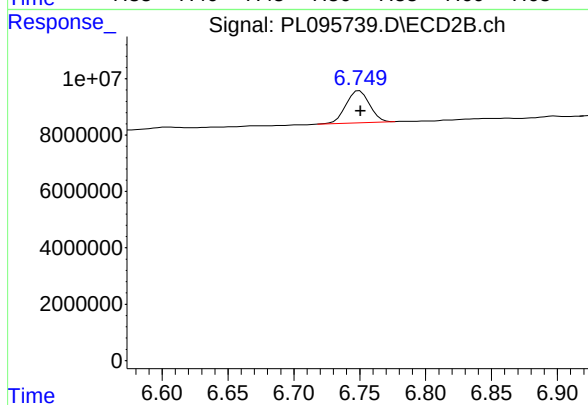
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 24080379
Conc: 5.38 ng/ml



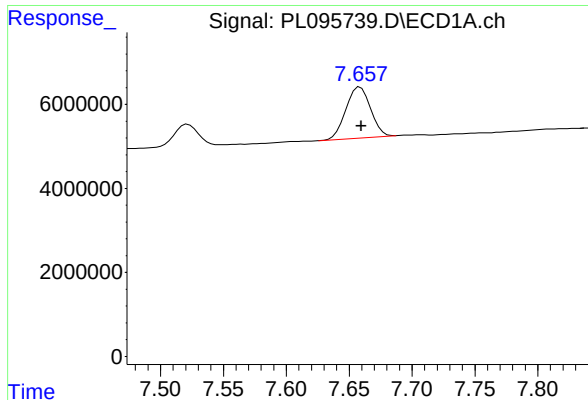
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.001 min
Response: 6867163
Conc: 5.44 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 14215195
Conc: 5.48 ng/ml



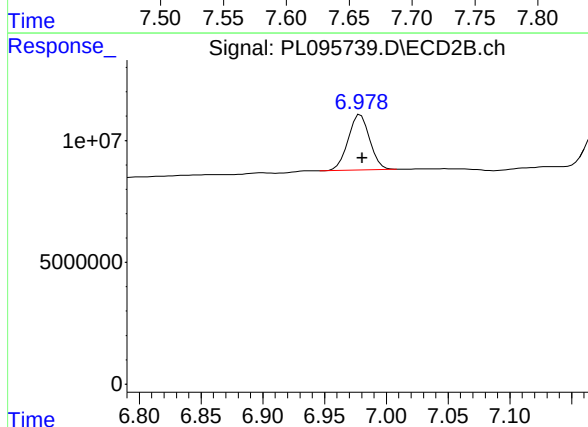
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.003 min
Response: 16646440
Conc: 5.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

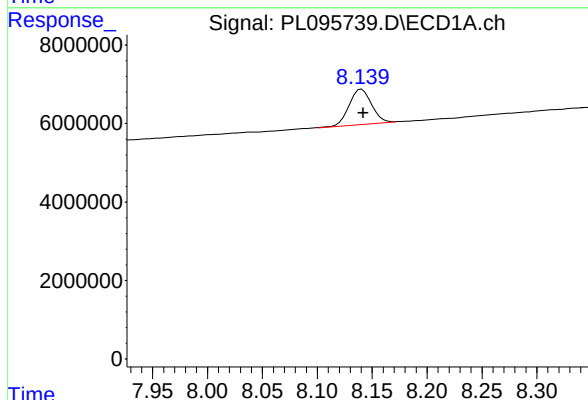
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



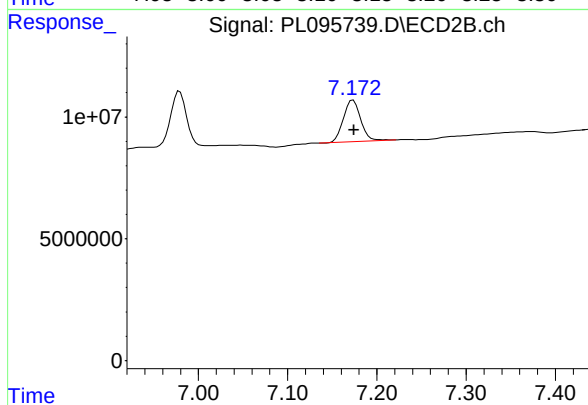
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.001 min
Response: 27643113
Conc: 5.35 ng/ml



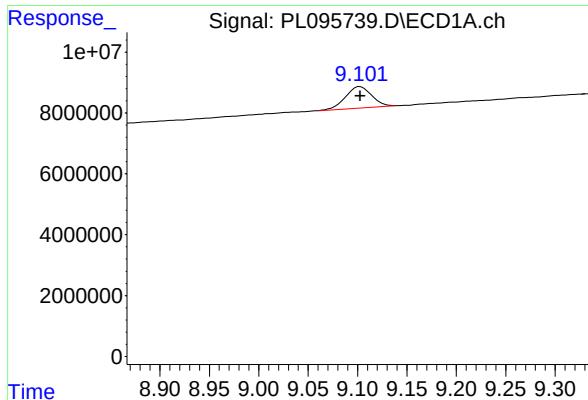
#22 Mirex

R.T.: 8.140 min
Delta R.T.: -0.001 min
Response: 12674224
Conc: 5.58 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 23112456
Conc: 5.79 ng/ml



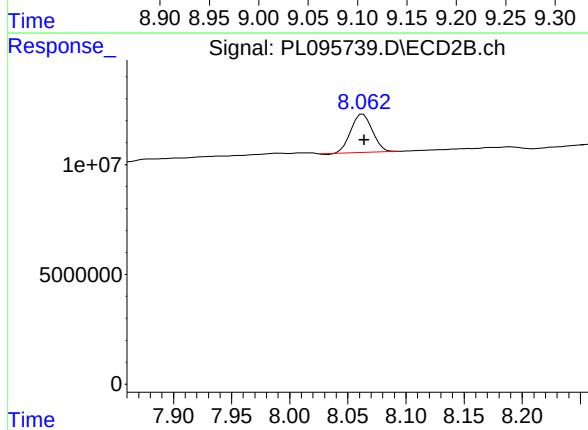
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: 0.000 min
Response: 12764965
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 22203751
Conc: 5.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095750.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:58
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL052125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:32:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	157.8E6	194.4E6	49.998	49.666
28) SA Decachlor...	9.104	8.064	117.3E6	229.7E6	49.773	52.517
Target Compounds						
2) A alpha-BHC	4.025	3.396	246.5E6	298.2E6	50.846	50.918
3) MA gamma-BHC...	4.356	3.730	225.5E6	283.9E6	50.436	50.692
4) MA Heptachlor	4.954	4.084	190.9E6	280.4E6	50.441	49.990
5) MB Aldrin	5.297	4.368	215.7E6	267.1E6	50.429	50.333
6) B beta-BHC	4.544	4.026	98119427	124.2E6	49.772	50.128
7) B delta-BHC	4.792	4.262	223.3E6	285.8E6	50.363	50.613
8) B Heptachlo...	5.719	4.871	191.4E6	247.0E6	50.151	50.018
9) A Endosulfan I	6.102	5.243	183.6E6	238.9E6	50.100	50.143
10) B gamma-Chl...	5.973	5.123	197.6E6	262.0E6	50.773	49.889
11) B alpha-Chl...	6.055	5.188	198.1E6	258.8E6	50.179	49.745
12) B 4,4'-DDE	6.225	5.375	184.6E6	266.3E6	50.319	49.663
13) MA Dieldrin	6.375	5.508	194.5E6	264.7E6	50.411	49.945
14) MA Endrin	6.602	5.783	161.3E6	242.4E6	49.992	49.715
15) B Endosulfa...	6.816	6.074	166.5E6	238.0E6	48.309	50.078
16) A 4,4'-DDD	6.735	5.927	147.1E6	220.8E6	50.200	50.353
17) MA 4,4'-DDT	7.050	6.180	133.9E6	240.9E6	49.505	50.363
18) B Endrin al...	6.945	6.252	121.6E6	173.9E6	50.281	50.352
19) B Endosulfa...	7.180	6.475	147.8E6	225.6E6	49.481	50.184
20) A Methoxychlor	7.523	6.751	63820349	130.4E6	50.042	49.860
21) B Endrin ke...	7.660	6.981	160.1E6	263.5E6	50.540	50.930
22) Mirex	8.142	7.175	115.1E6	202.3E6	49.744	49.832

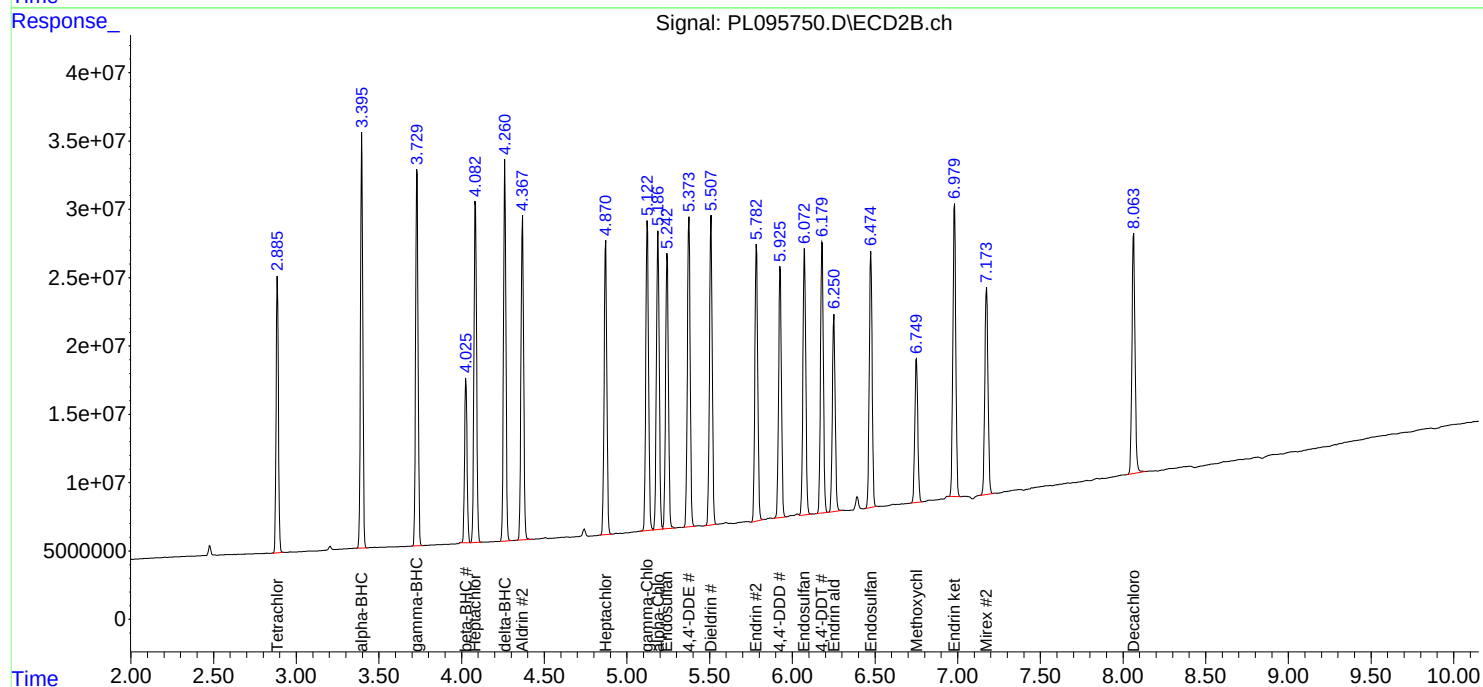
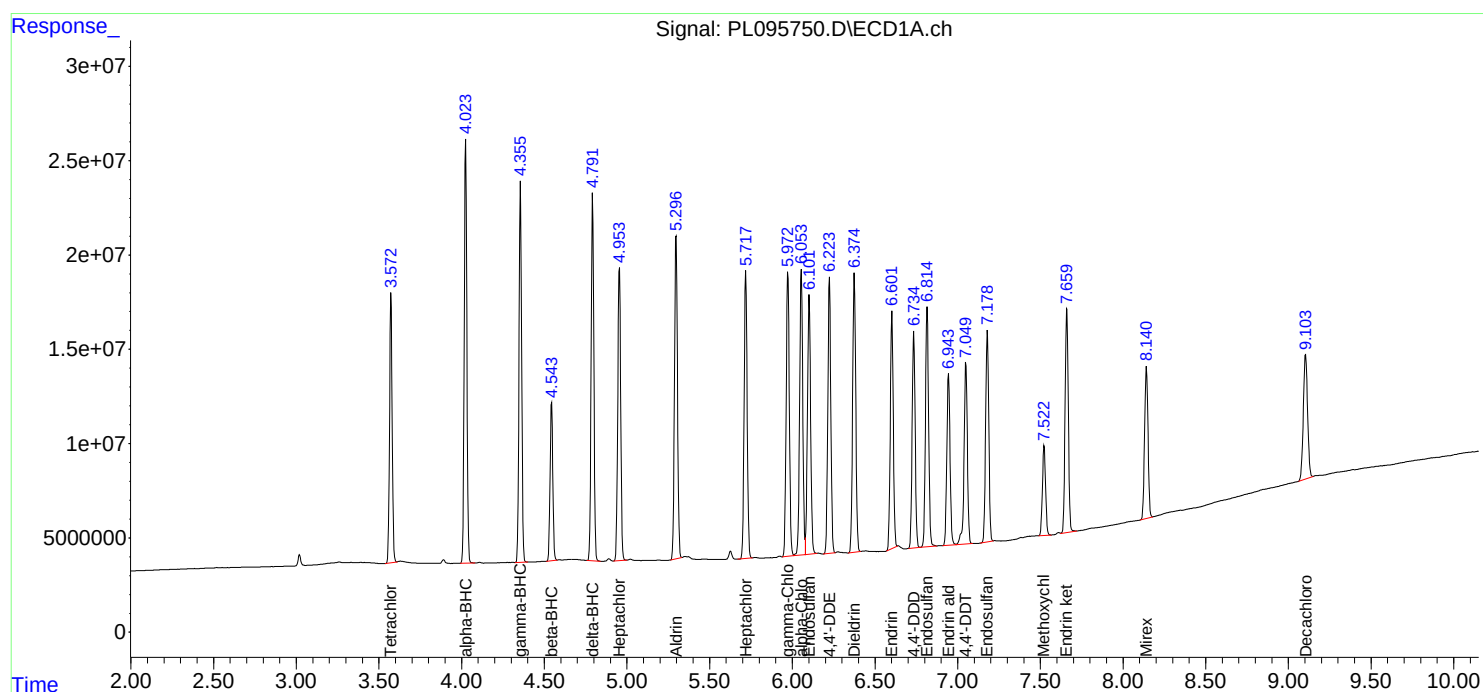
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

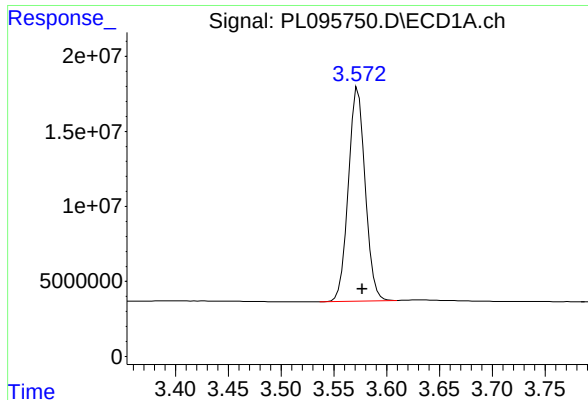
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

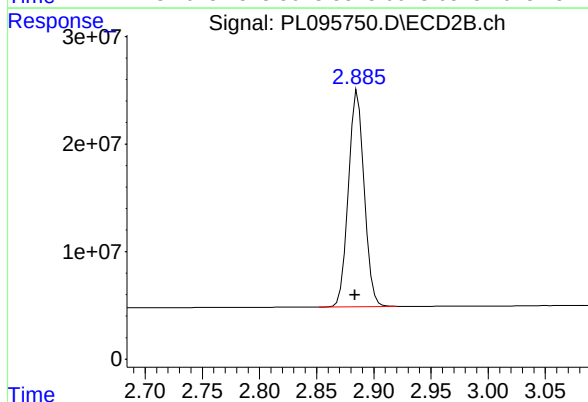




#1 Tetrachloro-m-xylene

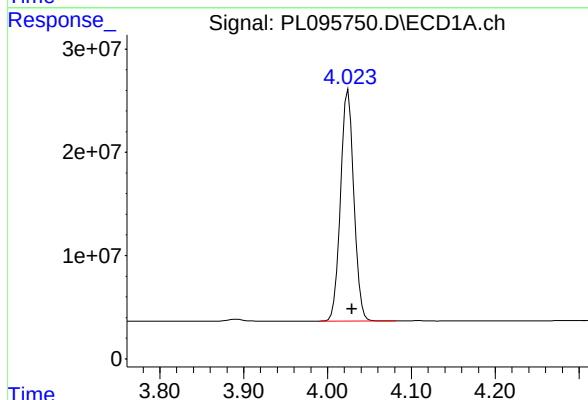
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 157756772
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



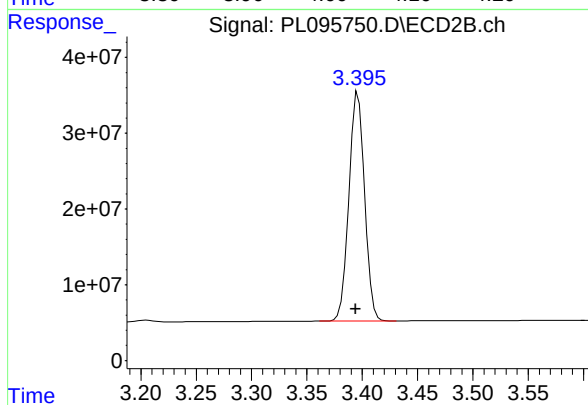
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 194390085
Conc: 49.67 ng/ml



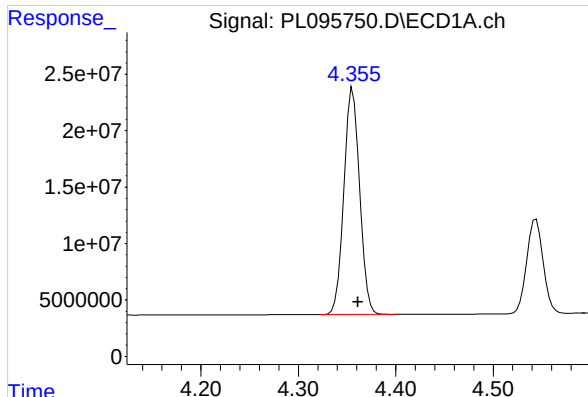
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 246498349
Conc: 50.85 ng/ml



#2 alpha-BHC

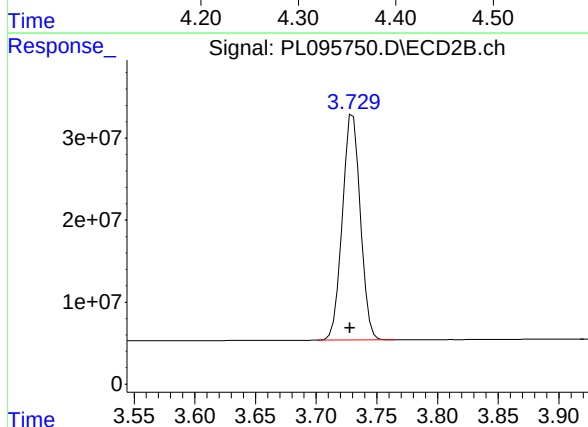
R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 298245661
Conc: 50.92 ng/ml



#3 gamma-BHC (Lindane)

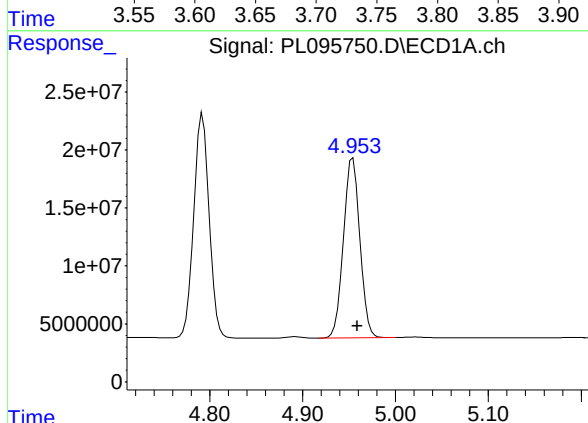
R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 225541866
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



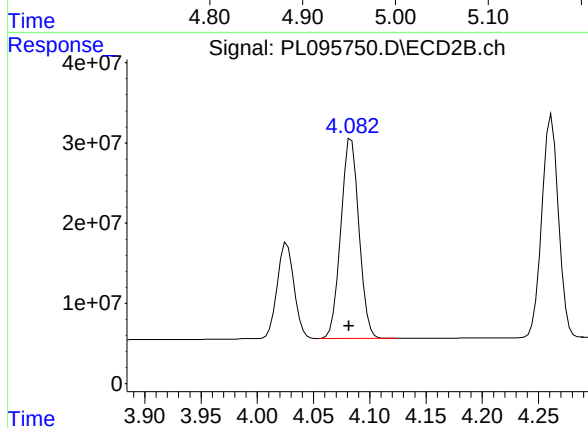
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 283938105
Conc: 50.69 ng/ml



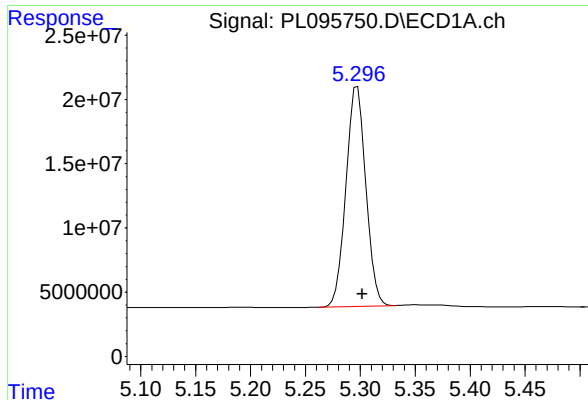
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 190921913
Conc: 50.44 ng/ml



#4 Heptachlor

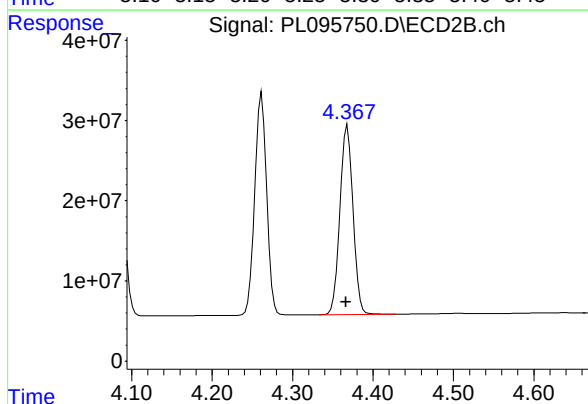
R.T.: 4.084 min
Delta R.T.: 0.002 min
Response: 280397570
Conc: 49.99 ng/ml



#5 Aldrin

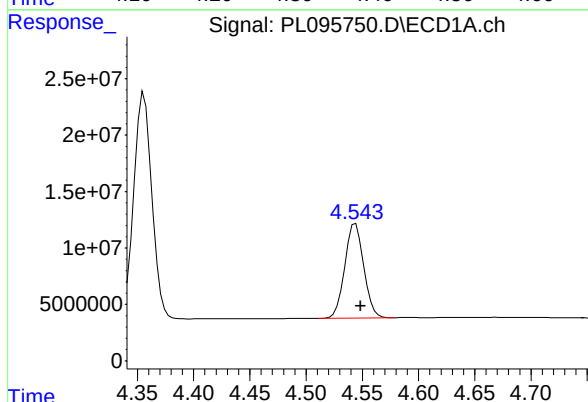
R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 215720453
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



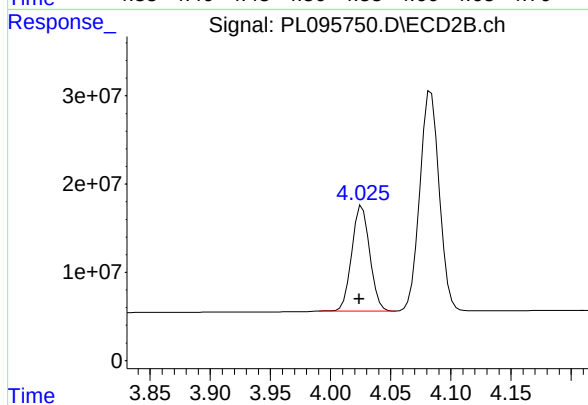
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.002 min
Response: 267121169
Conc: 50.33 ng/ml



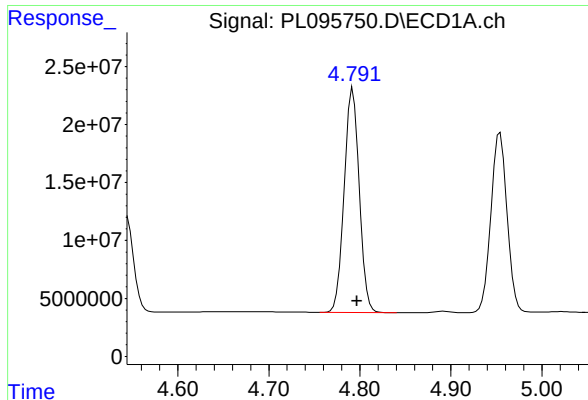
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 98119427
Conc: 49.77 ng/ml



#6 beta-BHC

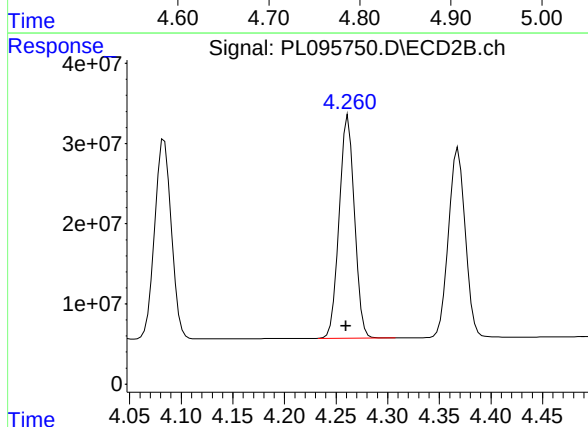
R.T.: 4.026 min
Delta R.T.: 0.002 min
Response: 124195015
Conc: 50.13 ng/ml



#7 delta-BHC

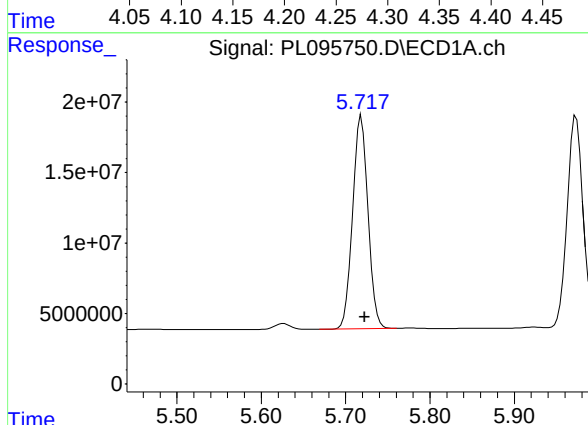
R.T.: 4.792 min
Delta R.T.: -0.004 min
Response: 223288553
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



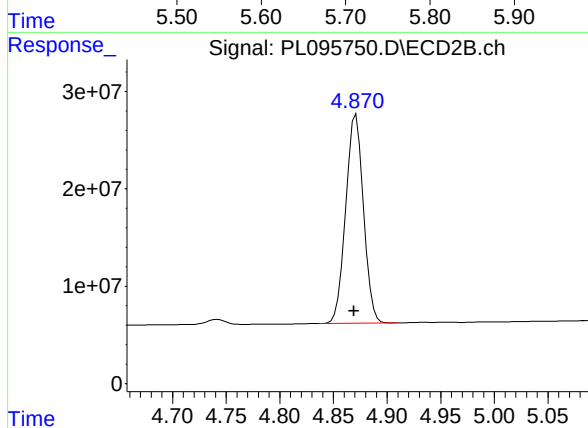
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.002 min
Response: 285828682
Conc: 50.61 ng/ml



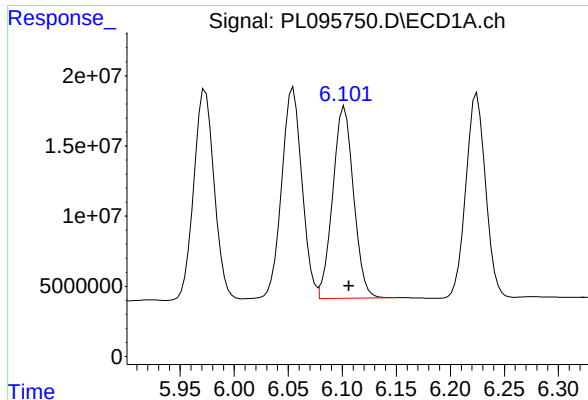
#8 Heptachlor epoxide

R.T.: 5.719 min
Delta R.T.: -0.004 min
Response: 191418066
Conc: 50.15 ng/ml



#8 Heptachlor epoxide

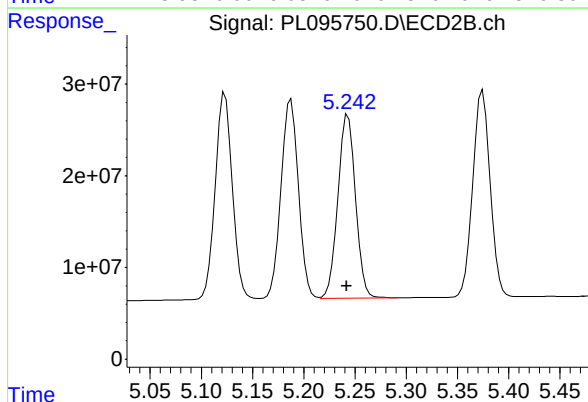
R.T.: 4.871 min
Delta R.T.: 0.002 min
Response: 246960921
Conc: 50.02 ng/ml



#9 Endosulfan I

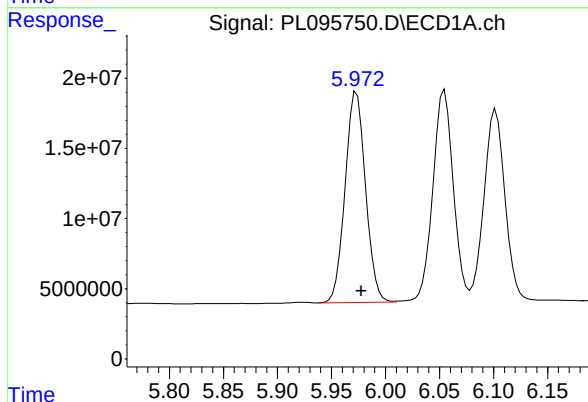
R.T.: 6.102 min
Delta R.T.: -0.004 min
Response: 183609436
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



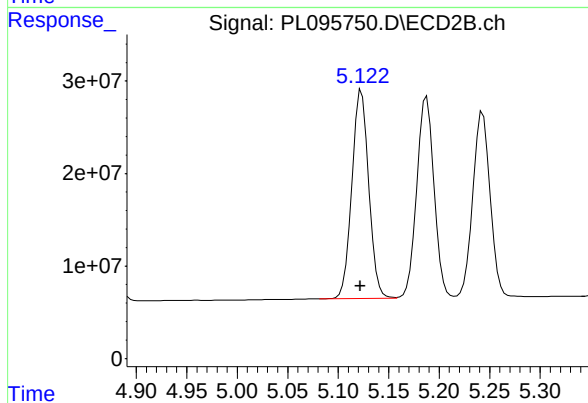
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 238931584
Conc: 50.14 ng/ml



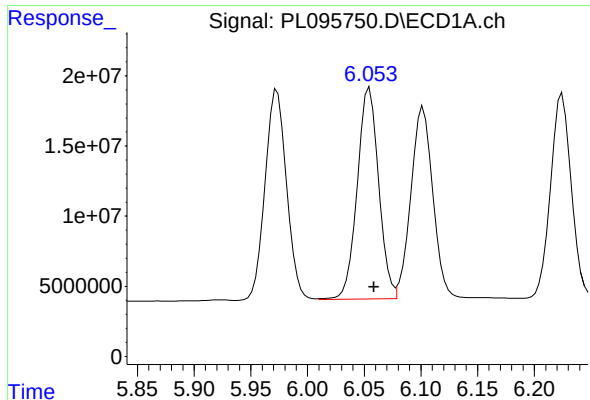
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.004 min
Response: 197611703
Conc: 50.77 ng/ml



#10 gamma-Chlordane

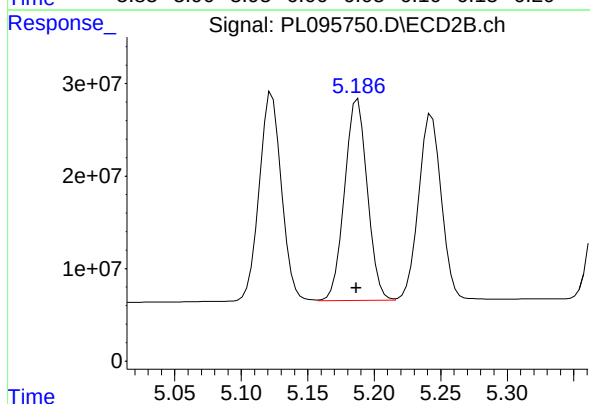
R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 262049247
Conc: 49.89 ng/ml



#11 alpha-Chlordane

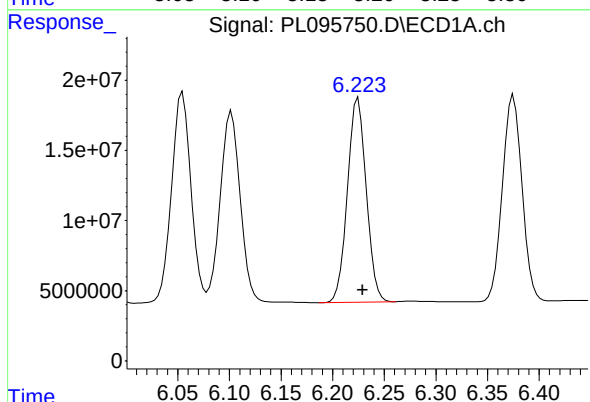
R.T.: 6.055 min
Delta R.T.: -0.004 min
Response: 198113802
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



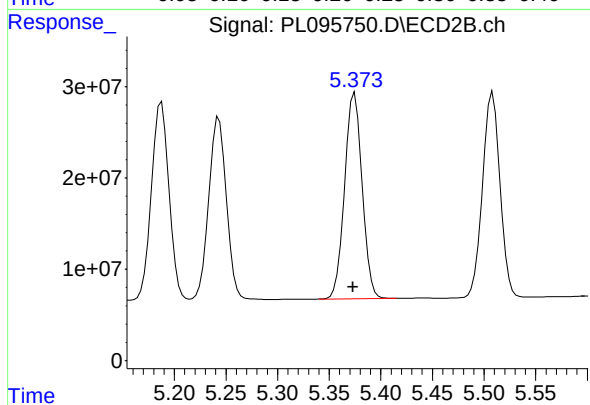
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.001 min
Response: 258811588
Conc: 49.75 ng/ml



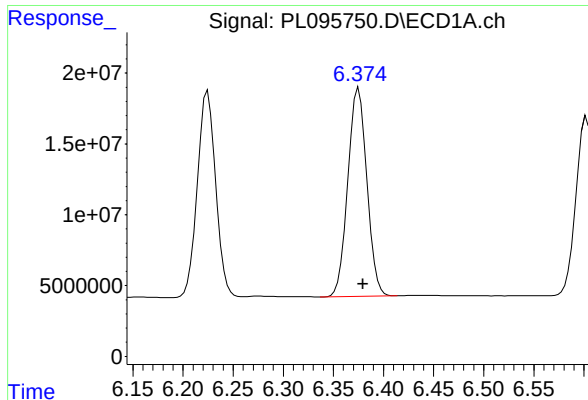
#12 4,4'-DDE

R.T.: 6.225 min
Delta R.T.: -0.004 min
Response: 184563703
Conc: 50.32 ng/ml



#12 4,4'-DDE

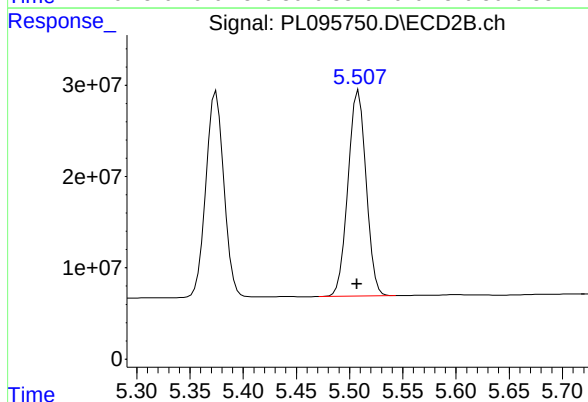
R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 266298838
Conc: 49.66 ng/ml



#13 Dieldrin

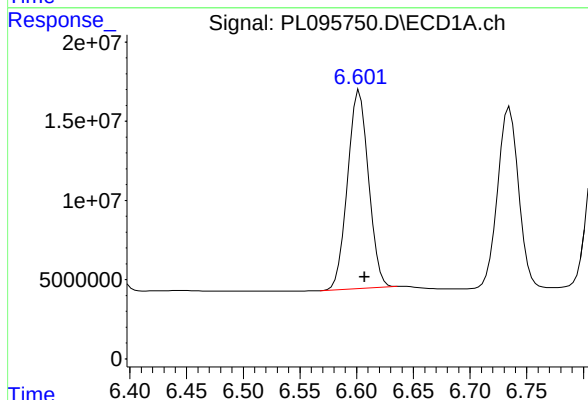
R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 194545517
Conc: 50.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



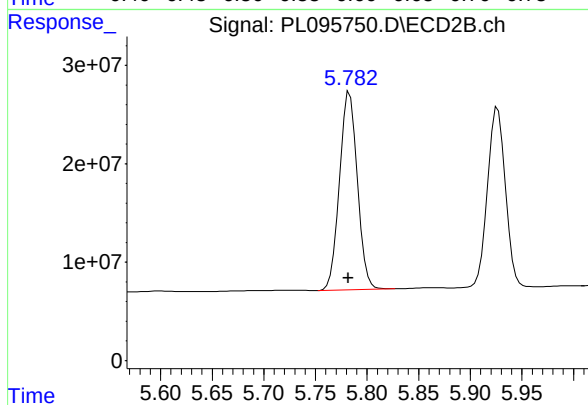
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.002 min
Response: 264715981
Conc: 49.95 ng/ml



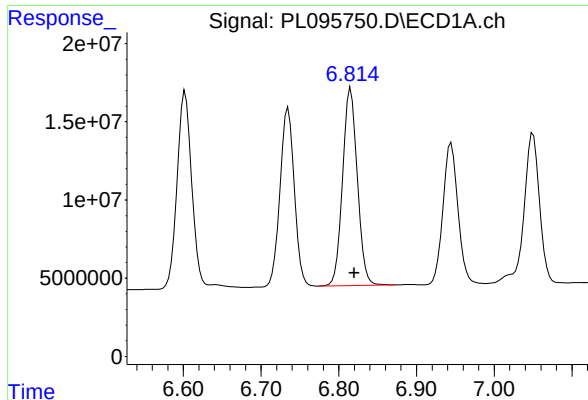
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 161313019
Conc: 49.99 ng/ml



#14 Endrin

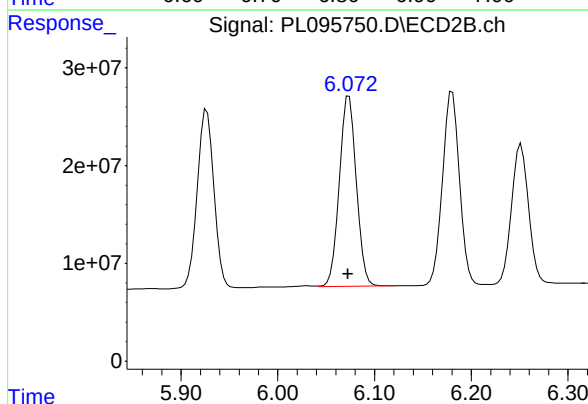
R.T.: 5.783 min
Delta R.T.: 0.001 min
Response: 242413206
Conc: 49.71 ng/ml



#15 Endosulfan II

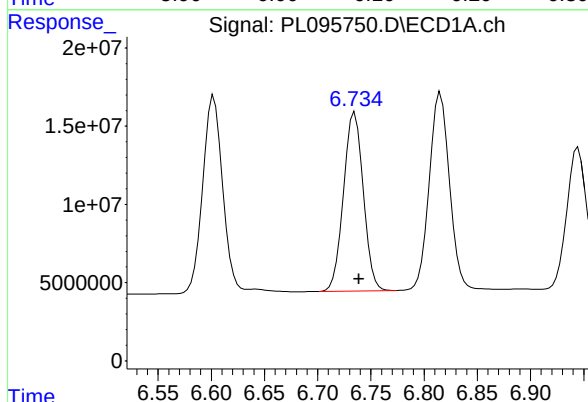
R.T.: 6.816 min
Delta R.T.: -0.004 min
Response: 166474646
Conc: 48.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



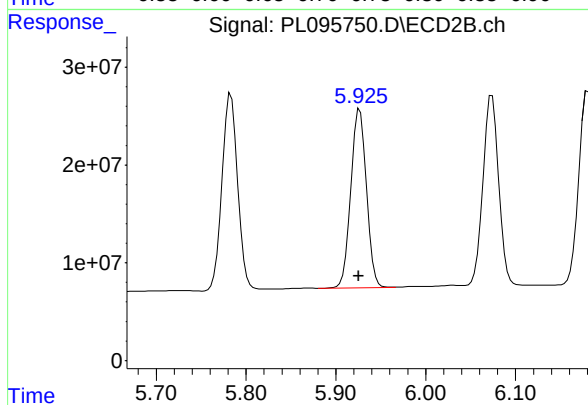
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 237960839
Conc: 50.08 ng/ml



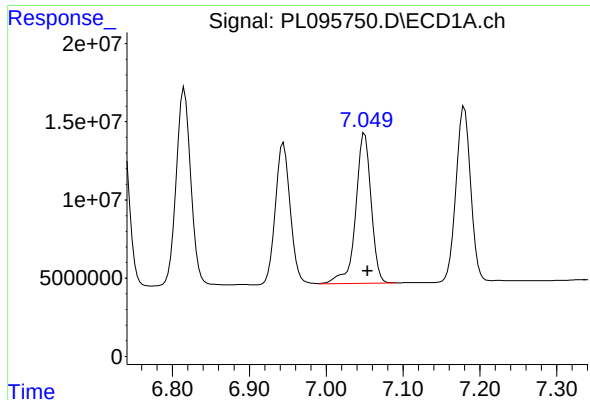
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 147116296
Conc: 50.20 ng/ml



#16 4,4'-DDD

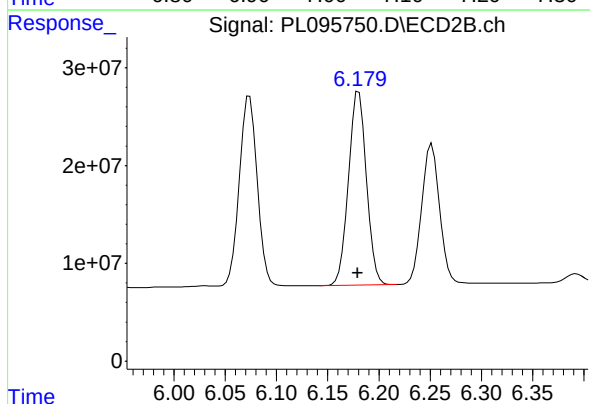
R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 220794386
Conc: 50.35 ng/ml



#17 4,4'-DDT

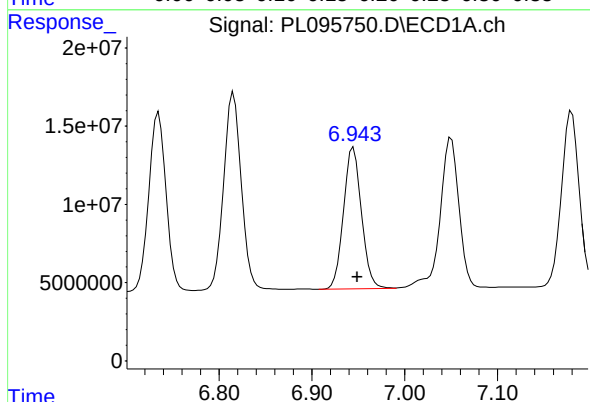
R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 133918313
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



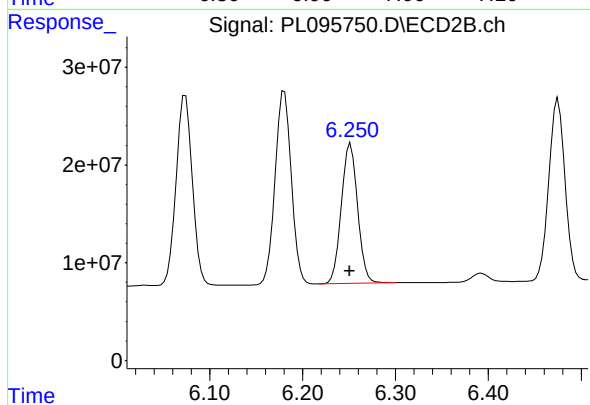
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 240867753
Conc: 50.36 ng/ml



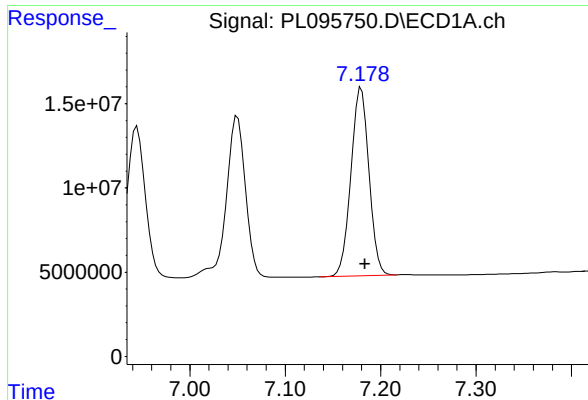
#18 Endrin aldehyde

R.T.: 6.945 min
Delta R.T.: -0.004 min
Response: 121561376
Conc: 50.28 ng/ml



#18 Endrin aldehyde

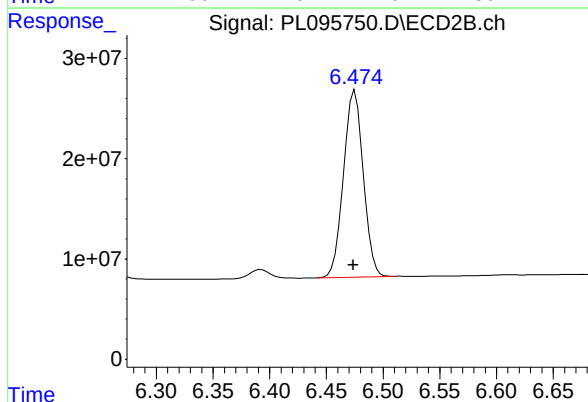
R.T.: 6.252 min
Delta R.T.: 0.001 min
Response: 173931069
Conc: 50.35 ng/ml



#19 Endosulfan Sulfate

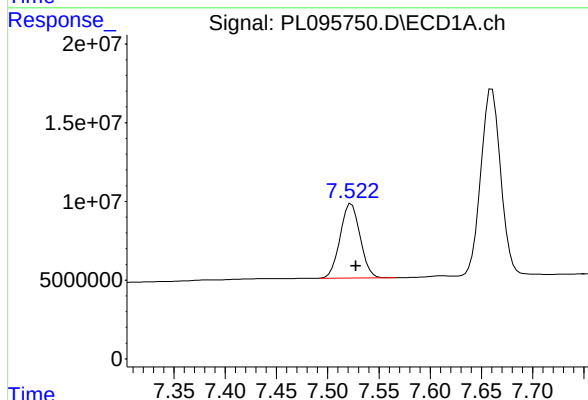
R.T.: 7.180 min
Delta R.T.: -0.004 min
Response: 147796520
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



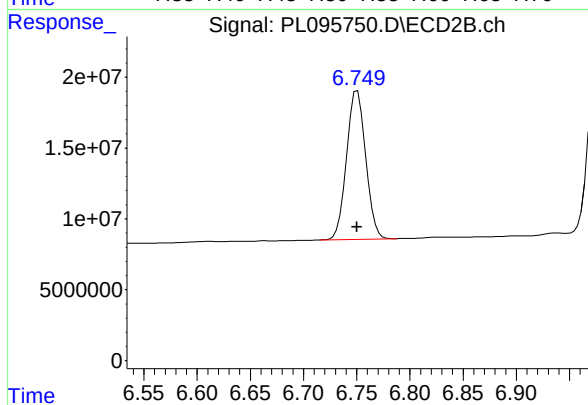
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.001 min
Response: 225562398
Conc: 50.18 ng/ml



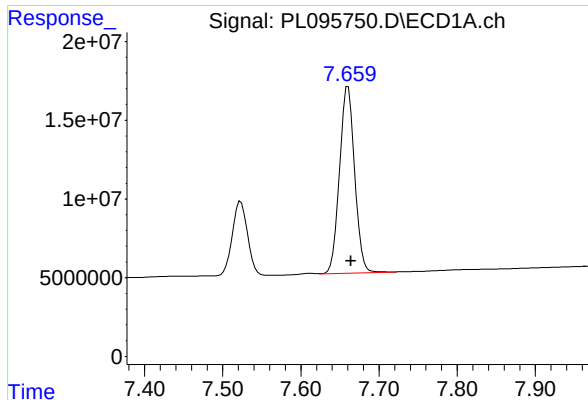
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.004 min
Response: 63820349
Conc: 50.04 ng/ml



#20 Methoxychlor

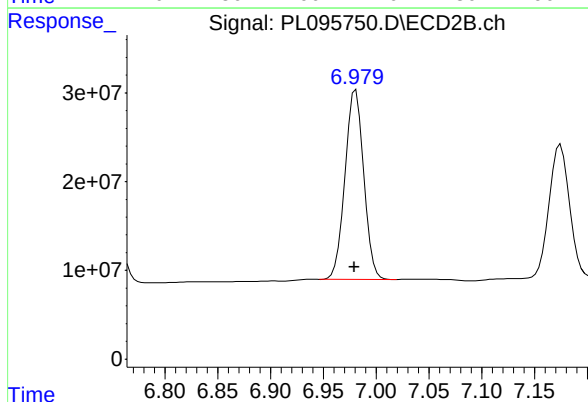
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 130438737
Conc: 49.86 ng/ml



#21 Endrin ketone

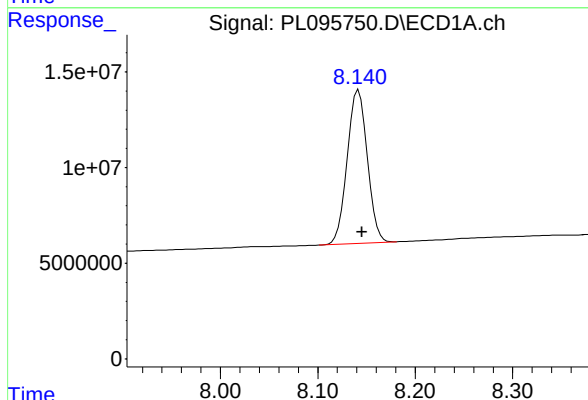
R.T.: 7.660 min
Delta R.T.: -0.004 min
Response: 160056271
Conc: 50.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



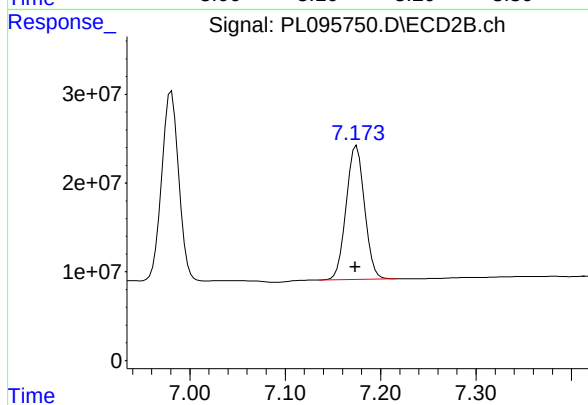
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: 0.001 min
Response: 263504594
Conc: 50.93 ng/ml



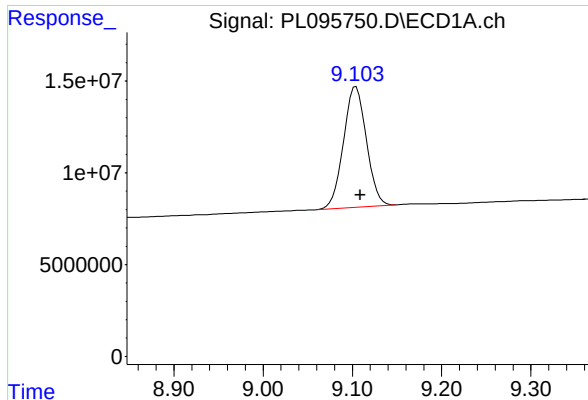
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.004 min
Response: 115096122
Conc: 49.74 ng/ml



#22 Mirex

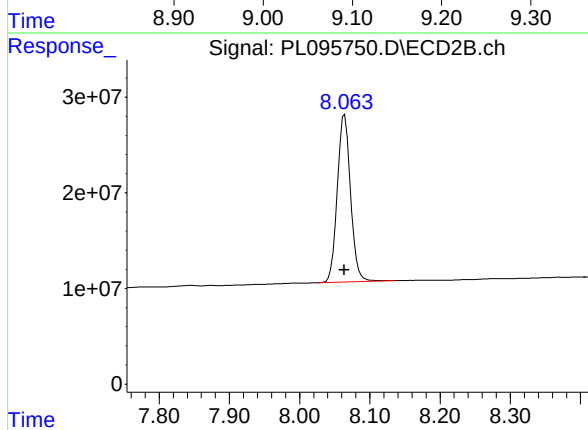
R.T.: 7.175 min
Delta R.T.: 0.001 min
Response: 202341539
Conc: 49.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 117281894
Conc: 49.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 229732347
Conc: 52.52 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 05/27/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:04 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
alpha-BHC	4.02	4.03	3.93	4.13	0.01
beta-BHC	4.54	4.54	4.44	4.64	0.00
delta-BHC	4.79	4.79	4.69	4.89	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.10	6.10	6.00	6.20	0.00
Dieldrin	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	6.05	5.95	6.15	0.00
gamma-Chlordane	5.97	5.97	5.87	6.07	0.00
Mirex	8.14	8.14	8.04	8.24	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 05/27/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:04 Initial Calibration Time(s): 11:35 12:29

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	2.89	2.89	2.79	2.99	0.01
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
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	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00
Mirex	7.17	7.17	7.07	7.27	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 05/27/2025

Lab Sample No.: PSTDCCC050 Data File : PL095781.D Time Analyzed: 09:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.732	6.634	6.834	49.520	50.000	-1.0
4,4'-DDE	6.222	6.124	6.324	51.110	50.000	2.2
4,4'-DDT	7.047	6.950	7.150	50.440	50.000	0.9
Aldrin	5.295	5.197	5.397	52.250	50.000	4.5
alpha-BHC	4.023	3.925	4.125	52.040	50.000	4.1
alpha-Chlordane	6.052	5.954	6.154	51.520	50.000	3.0
beta-BHC	4.542	4.444	4.644	50.710	50.000	1.4
Decachlorobiphenyl	9.098	9.003	9.203	51.120	50.000	2.2
delta-BHC	4.790	4.692	4.892	51.060	50.000	2.1
Dieldrin	6.373	6.275	6.475	51.910	50.000	3.8
Endosulfan I	6.099	6.002	6.202	51.380	50.000	2.8
Endosulfan II	6.813	6.715	6.915	50.360	50.000	0.7
Endosulfan sulfate	7.176	7.078	7.278	50.380	50.000	0.8
Endrin	6.600	6.502	6.702	50.040	50.000	0.1
Endrin aldehyde	6.942	6.844	7.044	49.160	50.000	-1.7
Endrin ketone	7.657	7.560	7.760	50.950	50.000	1.9
gamma-BHC (Lindane)	4.355	4.257	4.457	51.240	50.000	2.5
gamma-Chlordane	5.971	5.873	6.073	52.580	50.000	5.2
Heptachlor	4.953	4.855	5.055	50.890	50.000	1.8
Heptachlor epoxide	5.716	5.618	5.818	51.130	50.000	2.3
Methoxychlor	7.520	7.423	7.623	51.870	50.000	3.7
Mirex	8.137	8.042	8.242	52.170	50.000	4.3
Tetrachloro-m-xylene	3.572	3.473	3.673	52.700	50.000	5.4



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 05/27/2025

Lab Sample No.: PSTDCCC050 Data File : PL095781.D Time Analyzed: 09:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.923	5.826	6.026	50.990	50.000	2.0
4,4'-DDE	5.371	5.274	5.474	50.630	50.000	1.3
4,4'-DDT	6.176	6.080	6.280	49.520	50.000	-1.0
Aldrin	4.366	4.268	4.468	52.040	50.000	4.1
alpha-BHC	3.395	3.296	3.496	52.870	50.000	5.7
alpha-Chlordane	5.184	5.087	5.287	51.210	50.000	2.4
beta-BHC	4.024	3.926	4.126	51.520	50.000	3.0
Decachlorobiphenyl	8.060	7.964	8.164	53.810	50.000	7.6
delta-BHC	4.259	4.161	4.361	51.590	50.000	3.2
Dieldrin	5.505	5.408	5.608	50.960	50.000	1.9
Endosulfan I	5.240	5.143	5.343	51.240	50.000	2.5
Endosulfan II	6.070	5.973	6.173	50.800	50.000	1.6
Endosulfan sulfate	6.472	6.375	6.575	50.170	50.000	0.3
Endrin	5.780	5.683	5.883	49.060	50.000	-1.9
Endrin aldehyde	6.248	6.151	6.351	48.930	50.000	-2.1
Endrin ketone	6.977	6.880	7.080	50.370	50.000	0.7
gamma-BHC (Lindane)	3.728	3.630	3.830	52.210	50.000	4.4
gamma-Chlordane	5.120	5.023	5.223	51.600	50.000	3.2
Heptachlor	4.081	3.983	4.183	50.230	50.000	0.5
Heptachlor epoxide	4.868	4.771	4.971	51.460	50.000	2.9
Methoxychlor	6.746	6.651	6.851	46.030	50.000	-7.9
Mirex	7.170	7.074	7.274	51.520	50.000	3.0
Tetrachloro-m-xylene	2.885	2.786	2.986	51.230	50.000	2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
 Data File : PL095781.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 09:04
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:25:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.885	166.3E6	200.5E6	52.696	51.232
28)	SA Decachlor...	9.098	8.060	120.4E6	235.4E6	51.117	53.809
Target Compounds							
2)	A alpha-BHC	4.023	3.395	252.3E6	309.7E6	52.036	52.867
3)	MA gamma-BHC...	4.355	3.728	229.1E6	292.4E6	51.242	52.208
4)	MA Heptachlor	4.953	4.081	192.6E6	281.7E6	50.891	50.228
5)	MB Aldrin	5.295	4.366	223.5E6	276.2E6	52.251	52.044
6)	B beta-BHC	4.542	4.024	99963072	127.7E6	50.708	51.525
7)	B delta-BHC	4.790	4.259	226.4E6	291.3E6	51.058	51.590
8)	B Heptachlo...	5.716	4.868	195.2E6	254.1E6	51.133	51.463
9)	A Endosulfan I	6.099	5.240	188.3E6	244.1E6	51.383	51.237
10)	B gamma-Chl...	5.971	5.120	204.7E6	271.0E6	52.584	51.601
11)	B alpha-Chl...	6.052	5.184	203.4E6	266.4E6	51.523	51.208
12)	B 4,4'-DDE	6.222	5.371	187.5E6	271.5E6	51.109	50.634
13)	MA Dieldrin	6.373	5.505	200.3E6	270.1E6	51.909	50.959
14)	MA Endrin	6.600	5.780	161.5E6	239.2E6	50.042	49.060
15)	B Endosulfa...	6.813	6.070	173.6E6	241.4E6	50.362	50.799
16)	A 4,4'-DDD	6.732	5.923	145.1E6	223.6E6	49.516	50.994
17)	MA 4,4'-DDT	7.047	6.176	136.5E6	236.9E6	50.441	49.524
18)	B Endrin al...	6.942	6.248	118.8E6	169.0E6	49.156	48.933
19)	B Endosulfa...	7.176	6.472	150.5E6	225.5E6	50.383	50.166
20)	A Methoxychlor	7.520	6.746	66150210	120.4E6	51.869	46.033
21)	B Endrin ke...	7.657	6.977	161.4E6	260.6E6	50.949	50.367
22)	Mirex	8.137	7.170	120.7E6	209.2E6	52.174	51.517

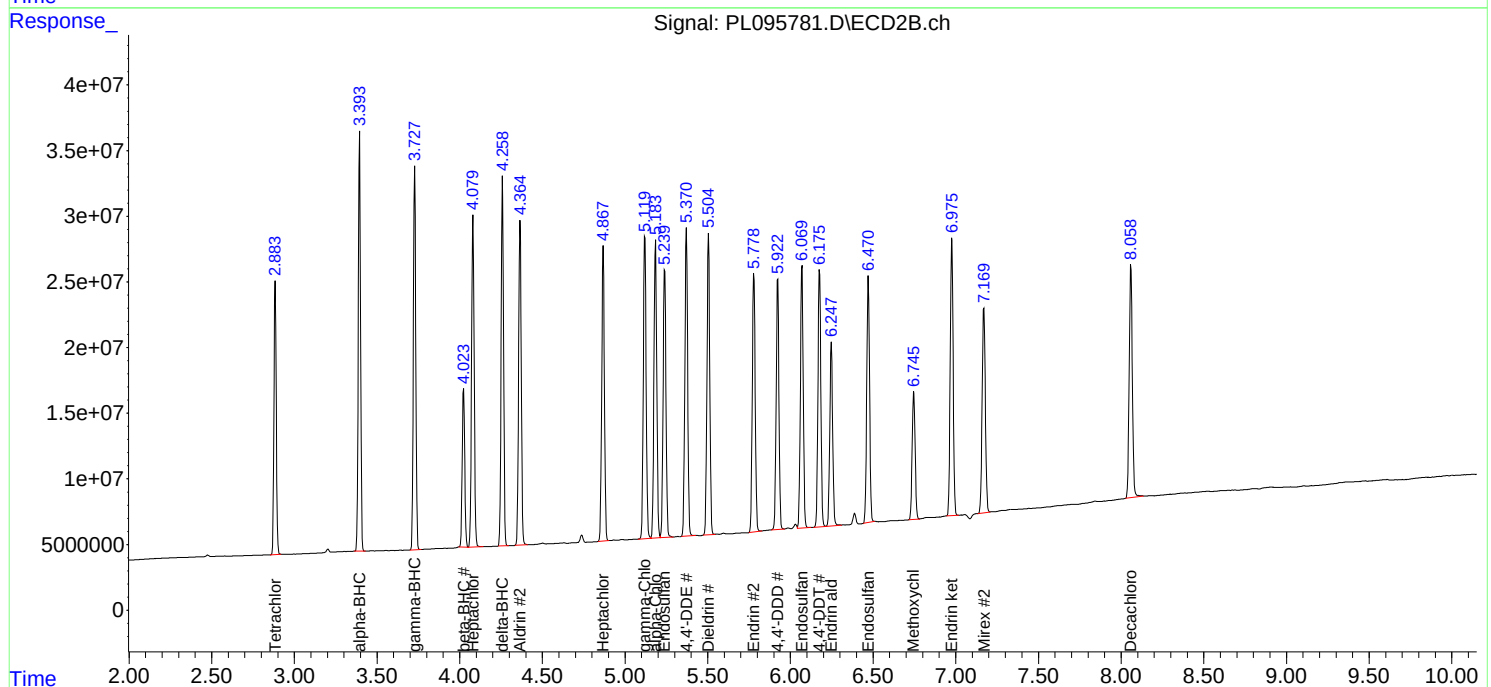
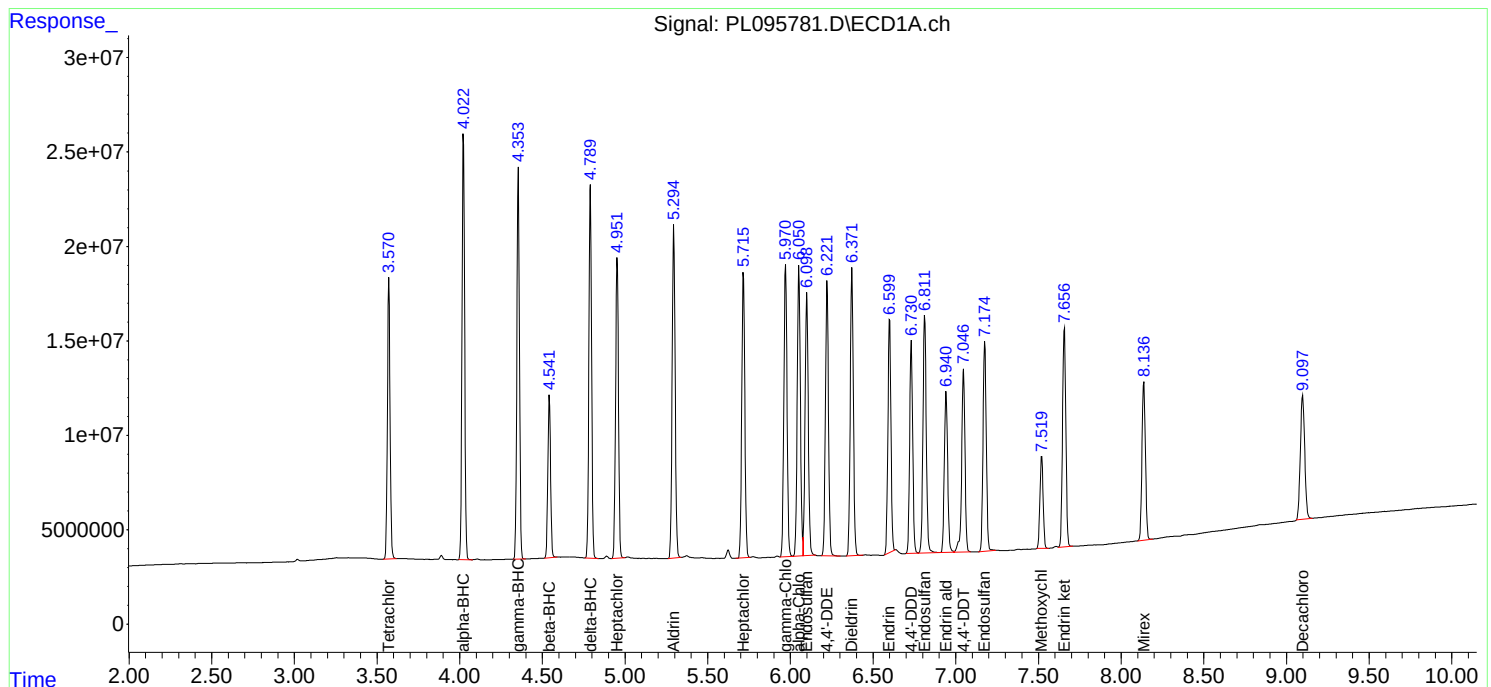
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

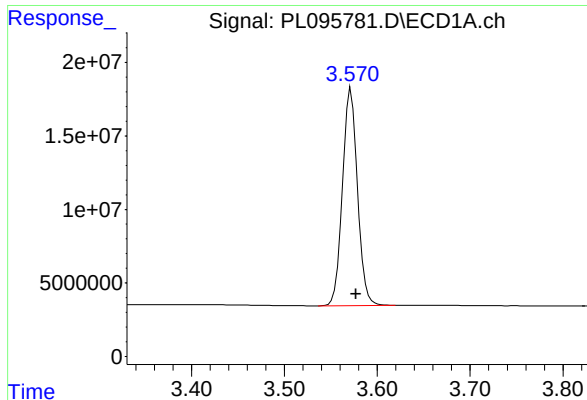
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 09:04
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

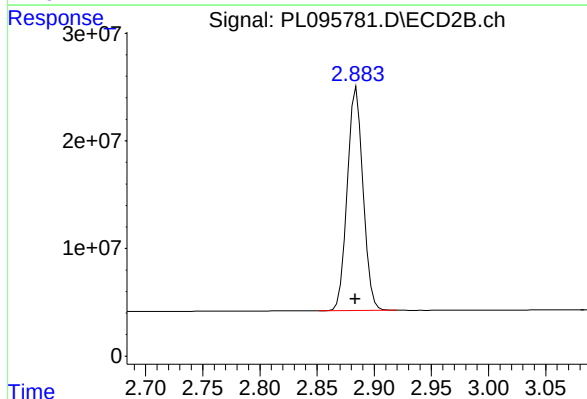




#1 Tetrachloro-m-xylene

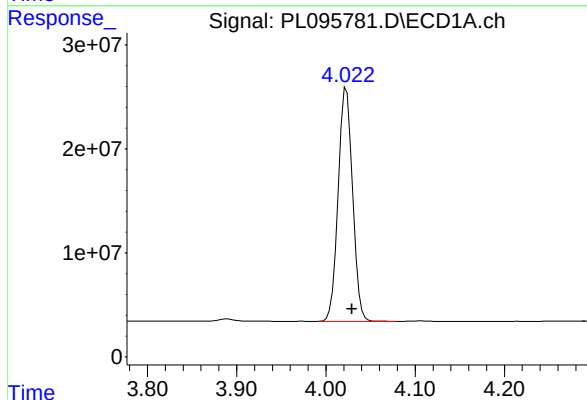
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 166269154
Conc: 52.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



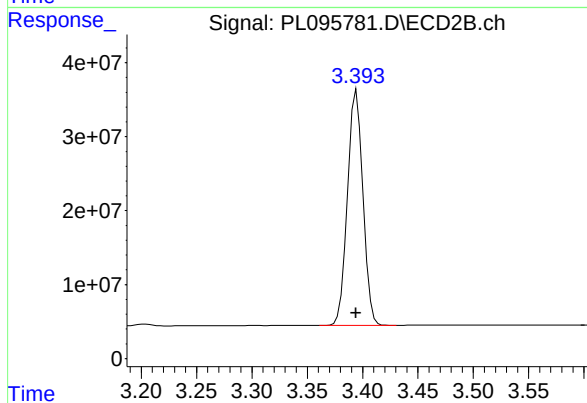
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.001 min
Response: 200520386
Conc: 51.23 ng/ml



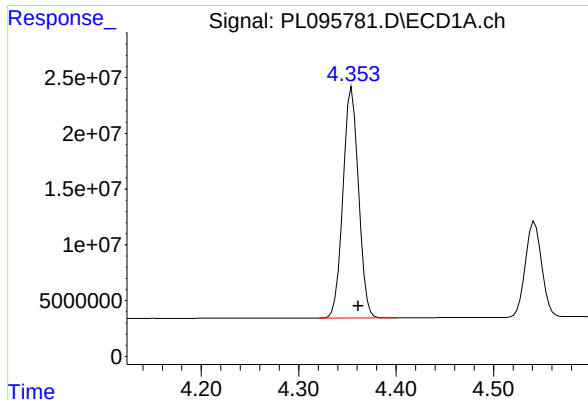
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 252265689
Conc: 52.04 ng/ml



#2 alpha-BHC

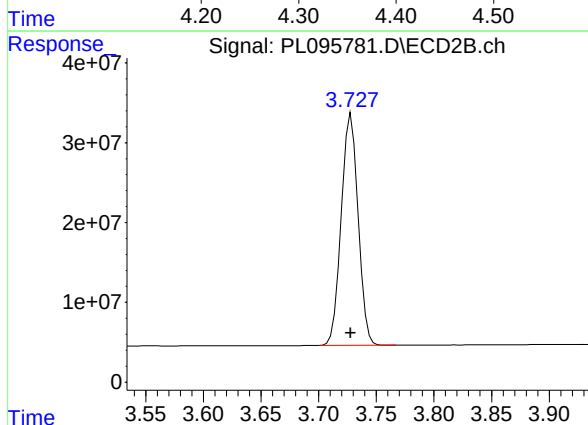
R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 309659075
Conc: 52.87 ng/ml



#3 gamma-BHC (Lindane)

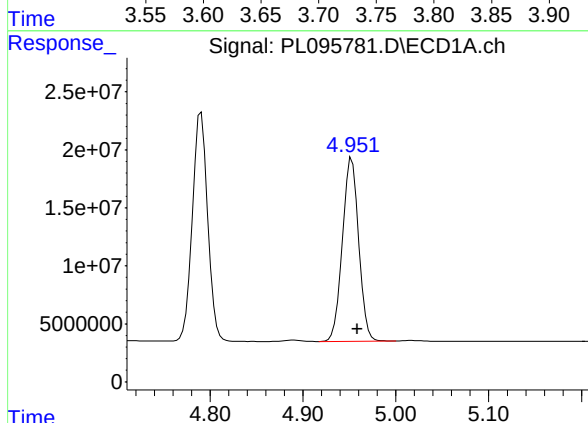
R.T.: 4.355 min
Delta R.T.: -0.007 min
Response: 229146379
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



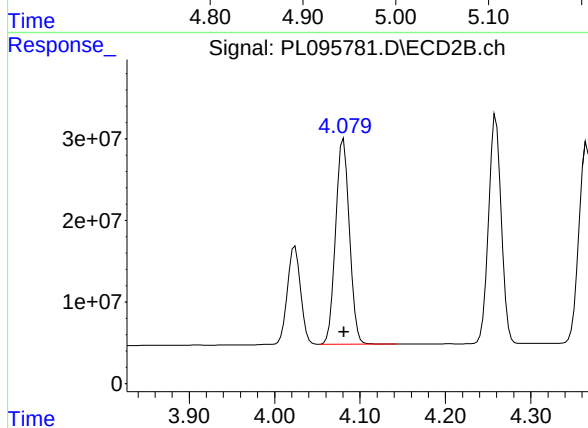
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 292430058
Conc: 52.21 ng/ml



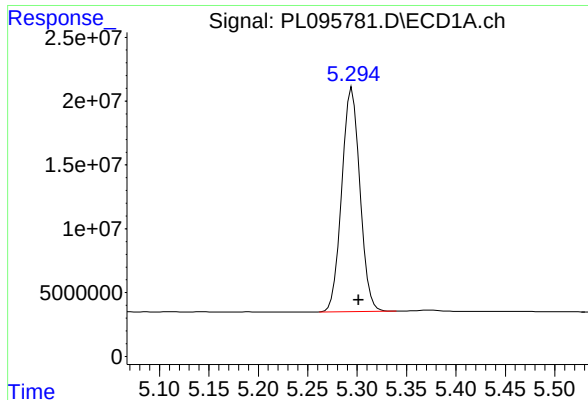
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 192624701
Conc: 50.89 ng/ml



#4 Heptachlor

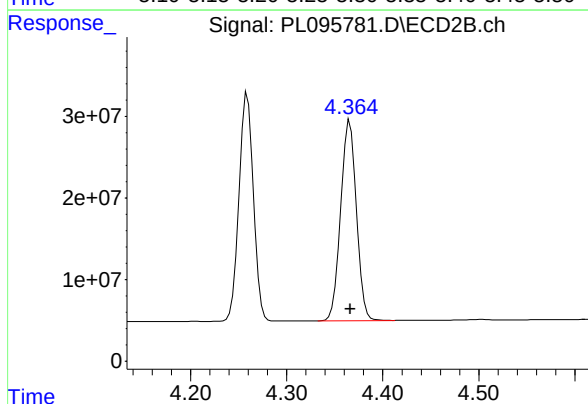
R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 281730536
Conc: 50.23 ng/ml



#5 Aldrin

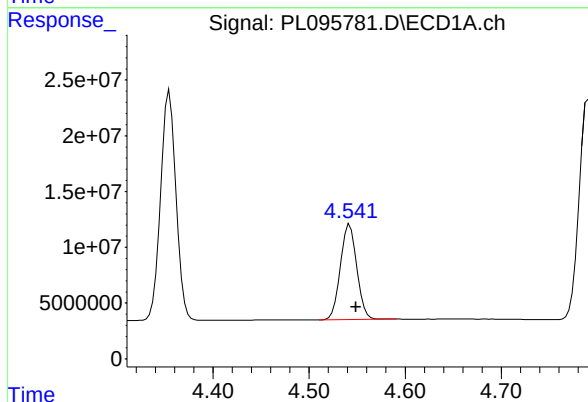
R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 223514693
Conc: 52.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



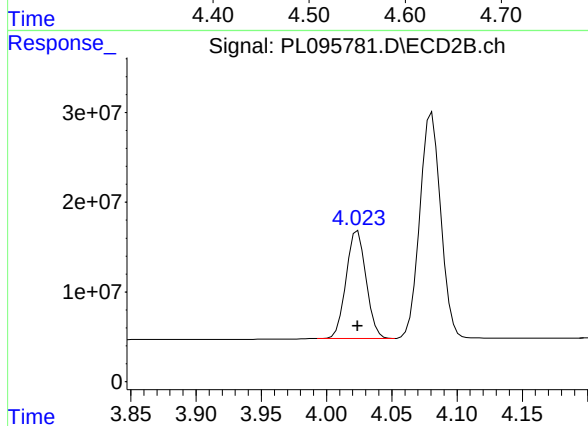
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 276204261
Conc: 52.04 ng/ml



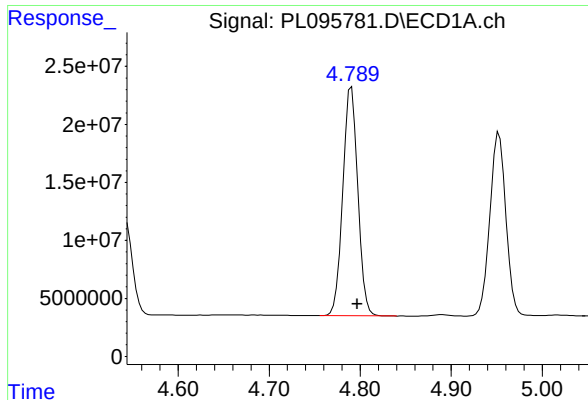
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.007 min
Response: 99963072
Conc: 50.71 ng/ml



#6 beta-BHC

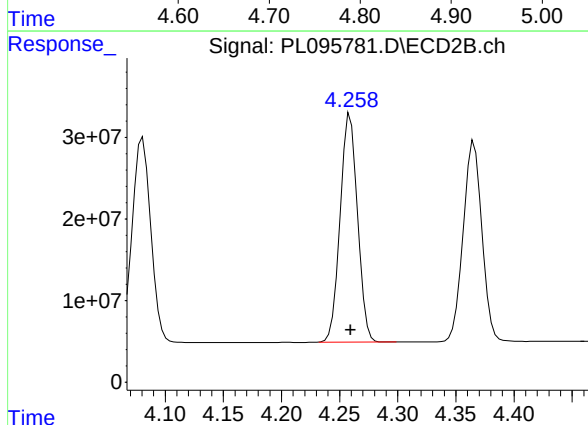
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 127655625
Conc: 51.52 ng/ml



#7 delta-BHC

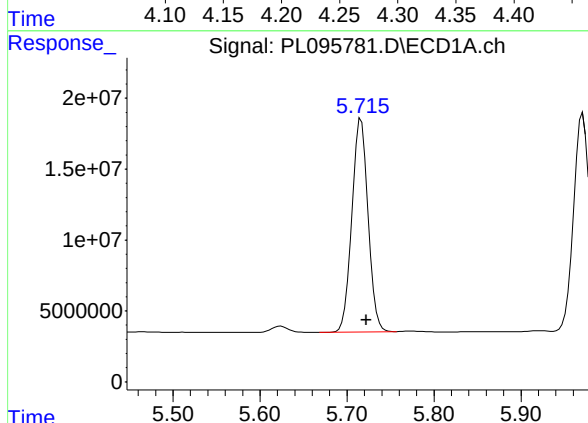
R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 226369481
Conc: 51.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



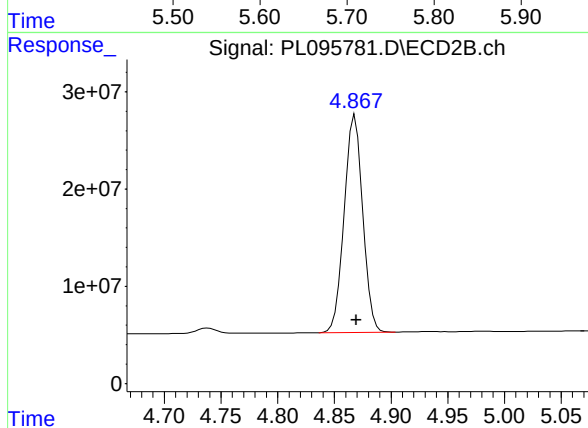
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 291345996
Conc: 51.59 ng/ml



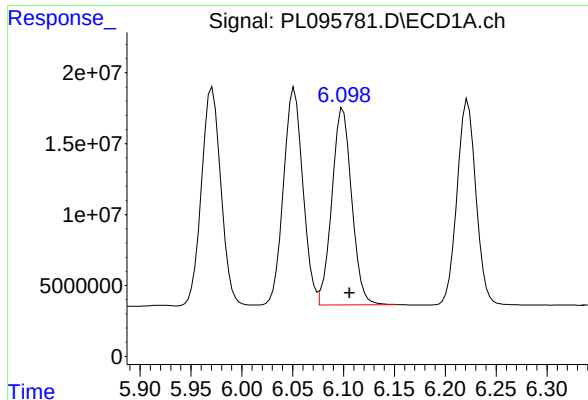
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.006 min
Response: 195168719
Conc: 51.13 ng/ml



#8 Heptachlor epoxide

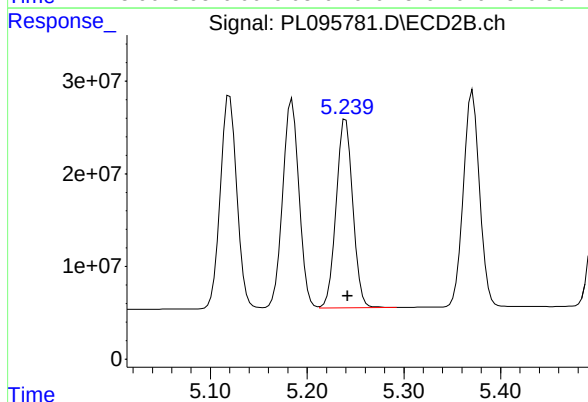
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 254094059
Conc: 51.46 ng/ml



#9 Endosulfan I

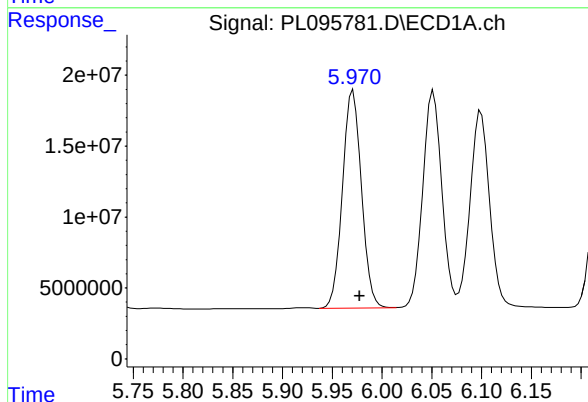
R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 188308430
Conc: 51.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



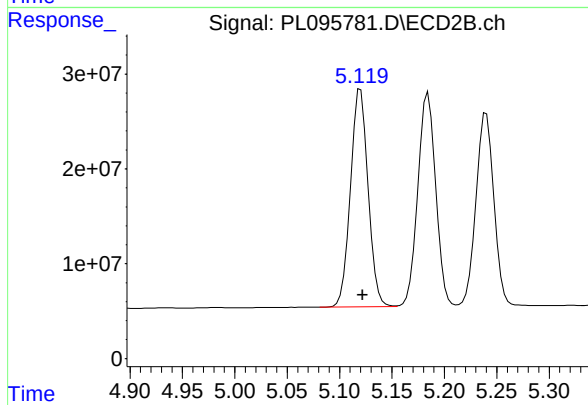
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 244140851
Conc: 51.24 ng/ml



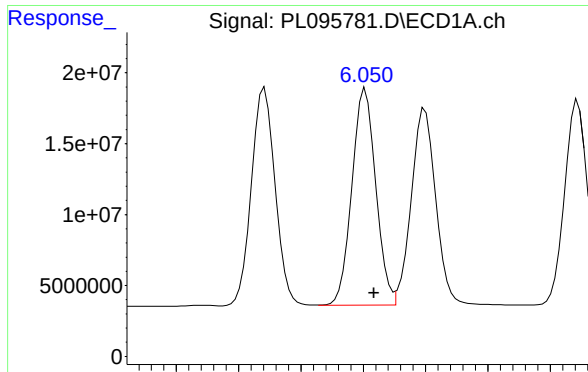
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.006 min
Response: 204662715
Conc: 52.58 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 271042707
Conc: 51.60 ng/ml



#11 alpha-Chlordane

R.T.: 6.052 min

Delta R.T.: -0.007 min

Response: 203423316

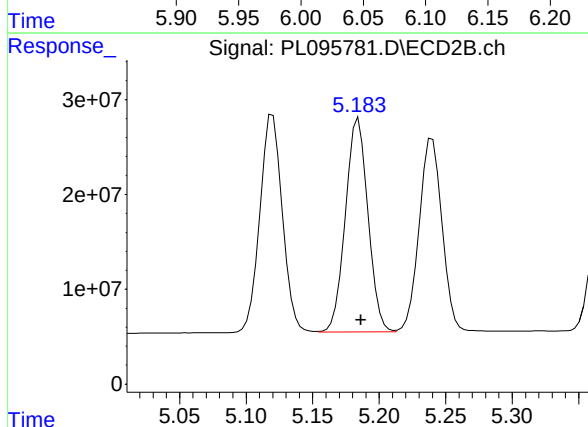
Conc: 51.52 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



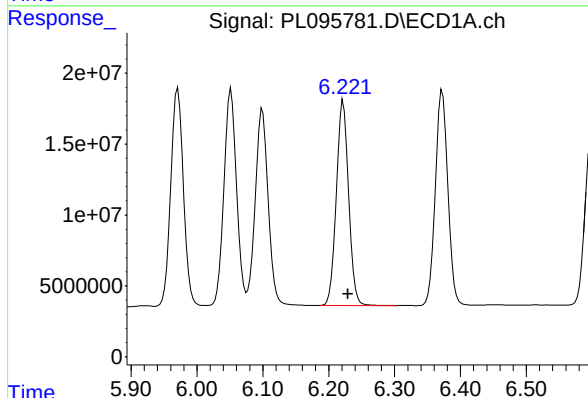
#11 alpha-Chlordane

R.T.: 5.184 min

Delta R.T.: -0.002 min

Response: 266422276

Conc: 51.21 ng/ml



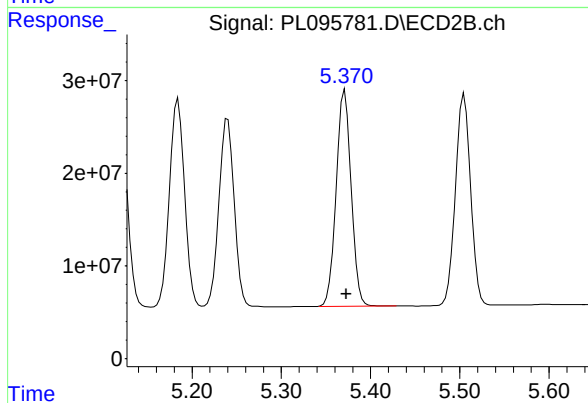
#12 4,4'-DDE

R.T.: 6.222 min

Delta R.T.: -0.007 min

Response: 187461305

Conc: 51.11 ng/ml



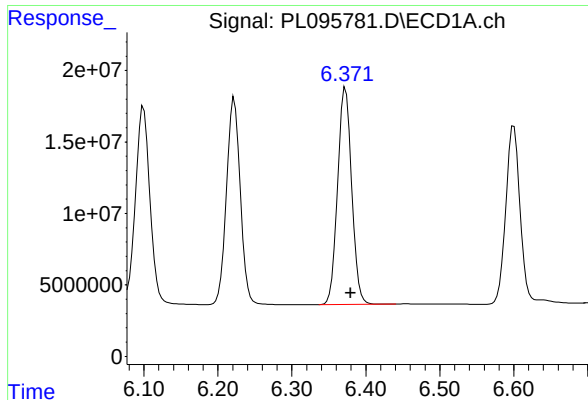
#12 4,4'-DDE

R.T.: 5.371 min

Delta R.T.: -0.002 min

Response: 271505737

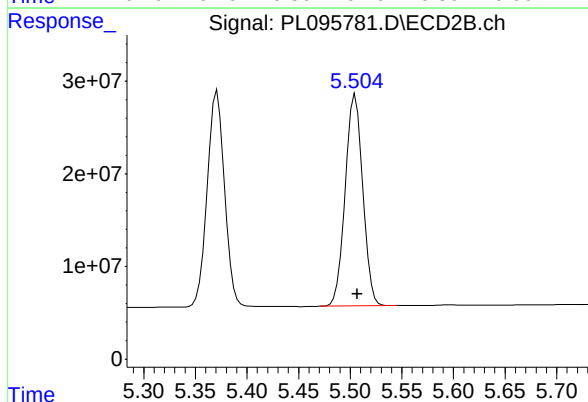
Conc: 50.63 ng/ml



#13 Dieldrin

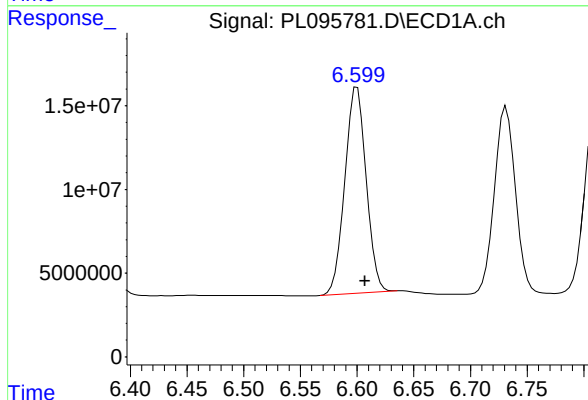
R.T.: 6.373 min
Delta R.T.: -0.007 min
Response: 200325669
Conc: 51.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



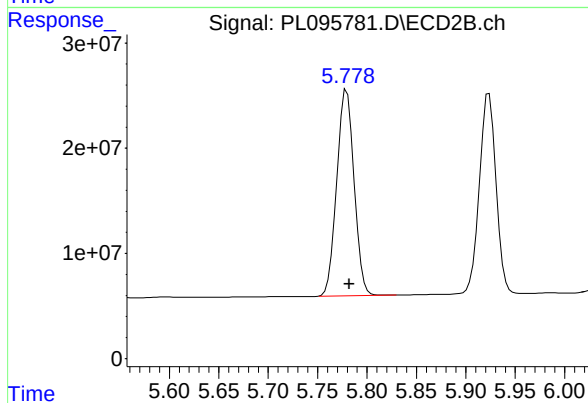
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 270090708
Conc: 50.96 ng/ml



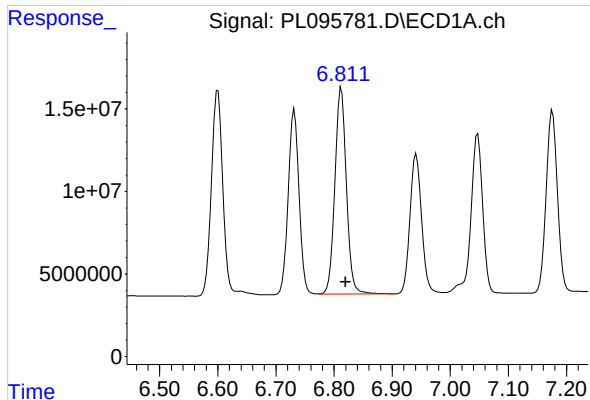
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 161473589
Conc: 50.04 ng/ml



#14 Endrin

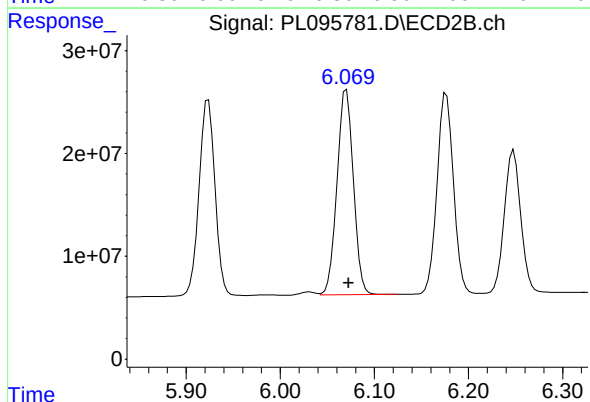
R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 239219676
Conc: 49.06 ng/ml



#15 Endosulfan II

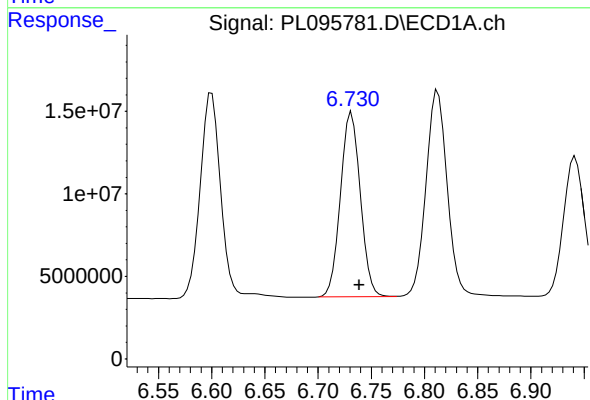
R.T.: 6.813 min
Delta R.T.: -0.007 min
Response: 173551428
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



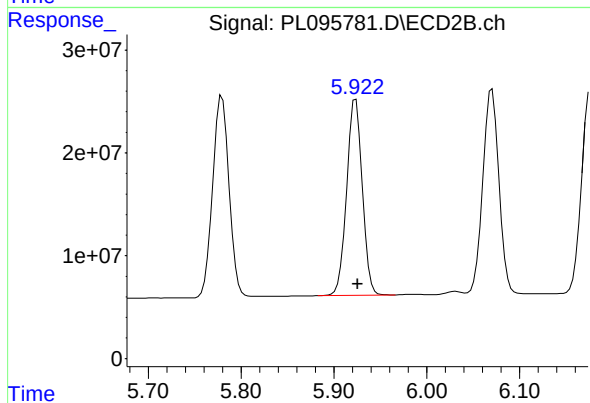
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 241385499
Conc: 50.80 ng/ml



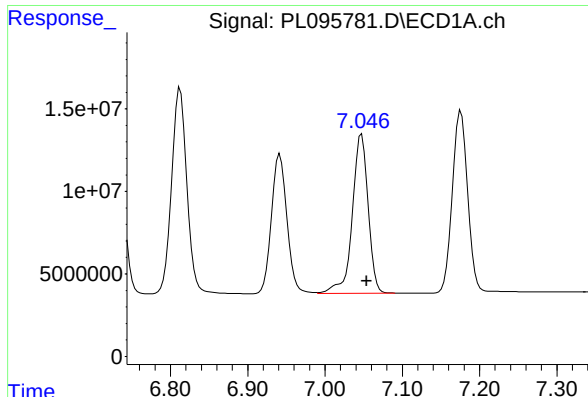
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 145111802
Conc: 49.52 ng/ml



#16 4,4'-DDD

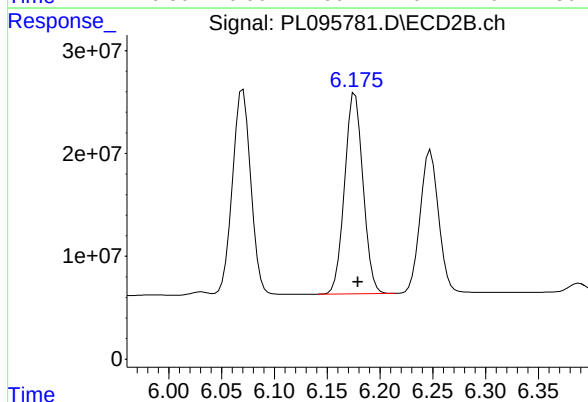
R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 223606536
Conc: 50.99 ng/ml



#17 4,4'-DDT

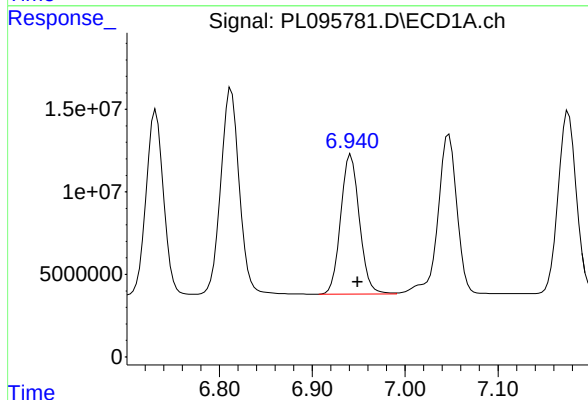
R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 136450359
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



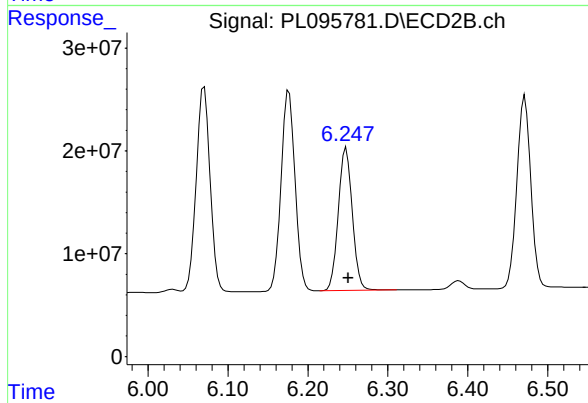
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 236854196
Conc: 49.52 ng/ml



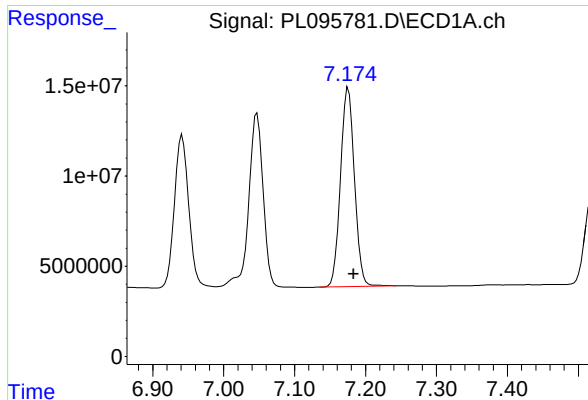
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.007 min
Response: 118839951
Conc: 49.16 ng/ml



#18 Endrin aldehyde

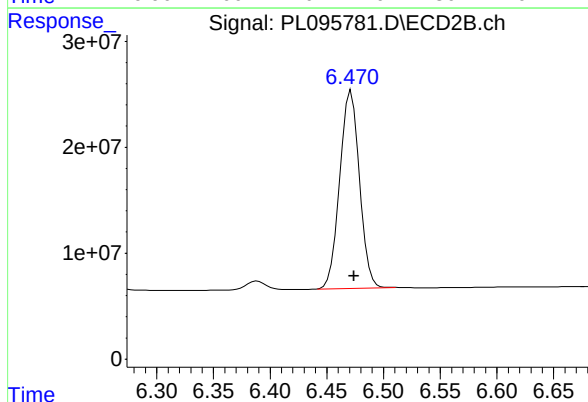
R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 169028703
Conc: 48.93 ng/ml



#19 Endosulfan Sulfate

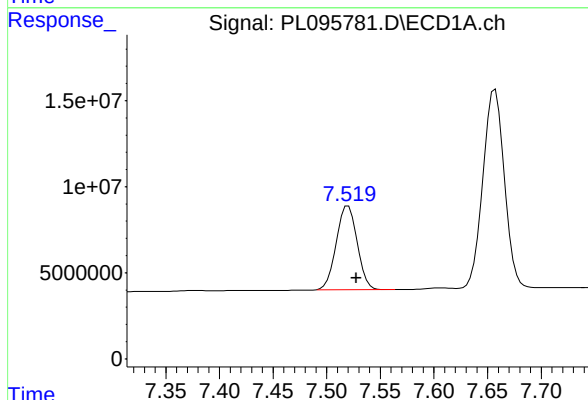
R.T.: 7.176 min
Delta R.T.: -0.008 min
Response: 150490917
Conc: 50.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



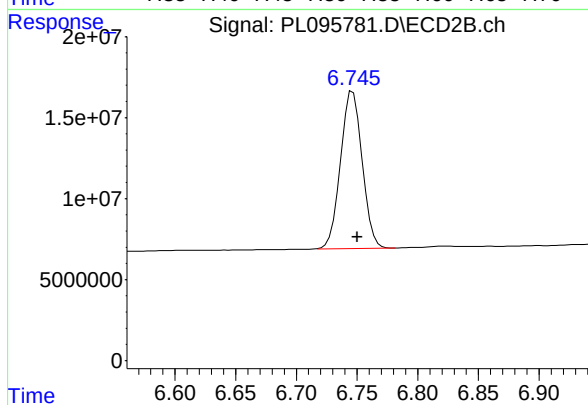
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 225485411
Conc: 50.17 ng/ml



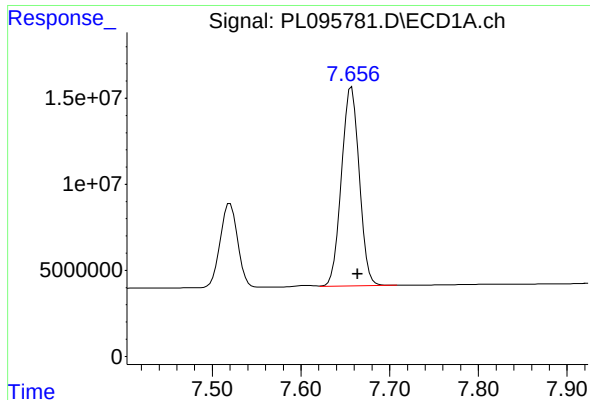
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.007 min
Response: 66150210
Conc: 51.87 ng/ml



#20 Methoxychlor

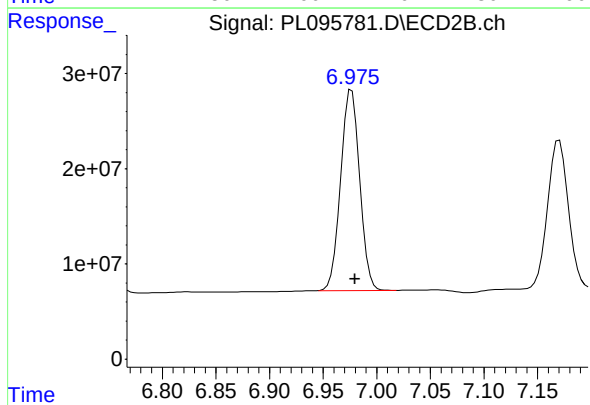
R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 120426370
Conc: 46.03 ng/ml



#21 Endrin ketone

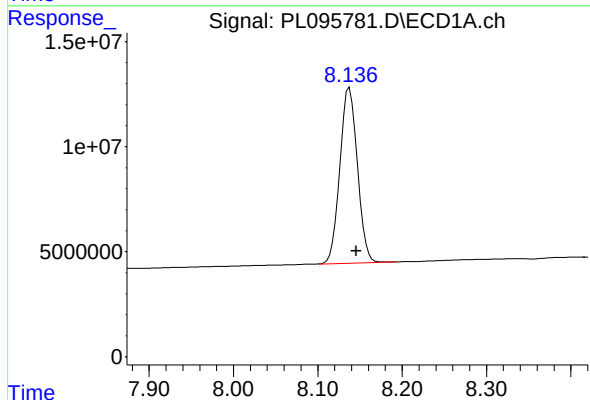
R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 161352602
Conc: 50.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



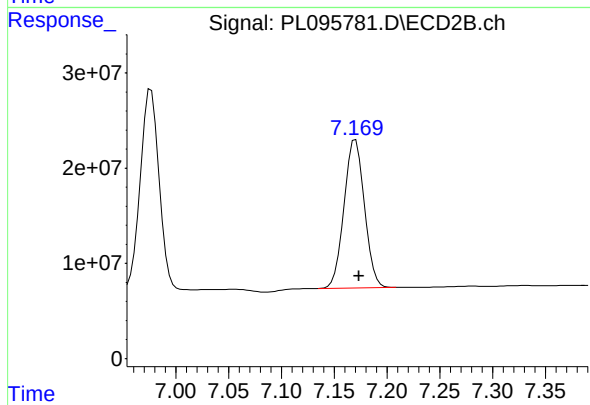
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 260593043
Conc: 50.37 ng/ml



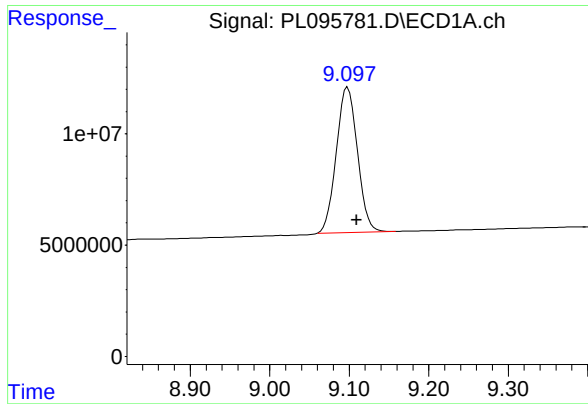
#22 Mirex

R.T.: 8.137 min
Delta R.T.: -0.008 min
Response: 120717622
Conc: 52.17 ng/ml



#22 Mirex

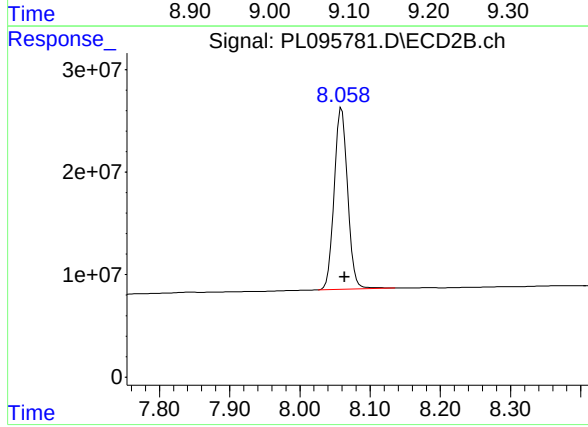
R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 209185060
Conc: 51.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 120449092
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 235383999
Conc: 53.81 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 05/27/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:19 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.58	3.57	3.47	3.67	-0.01
alpha-BHC	4.03	4.03	3.93	4.13	0.00
beta-BHC	4.55	4.54	4.44	4.64	-0.01
delta-BHC	4.80	4.79	4.69	4.89	-0.01
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.96	4.96	4.86	5.06	0.00
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.11	6.10	6.00	6.20	-0.01
Dieldrin	6.38	6.38	6.28	6.48	0.00
4,4'-DDE	6.23	6.22	6.12	6.32	-0.01
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.82	6.82	6.72	6.92	0.00
4,4'-DDD	6.74	6.73	6.63	6.83	-0.01
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.95	6.94	6.84	7.04	-0.01
alpha-Chlordane	6.06	6.05	5.95	6.15	-0.01
gamma-Chlordane	5.98	5.97	5.87	6.07	-0.01
Mirex	8.14	8.14	8.04	8.24	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 05/27/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:19 Initial Calibration Time(s): 11:35 12:29

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	2.89	2.79	2.99	0.01
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	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	5.93	5.83	6.03	0.01
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	0.01
Endrin ketone	6.97	6.98	6.88	7.08	0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00
Mirex	7.17	7.17	7.07	7.27	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 05/27/2025

Lab Sample No.: PSTDCCC050 Data File : PL095792.D Time Analyzed: 13:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.737	6.634	6.834	48.370	50.000	-3.3
4,4'-DDE	6.228	6.124	6.324	50.390	50.000	0.8
4,4'-DDT	7.052	6.950	7.150	46.470	50.000	-7.1
Aldrin	5.300	5.197	5.397	52.040	50.000	4.1
alpha-BHC	4.029	3.925	4.125	53.440	50.000	6.9
alpha-Chlordane	6.057	5.954	6.154	50.360	50.000	0.7
beta-BHC	4.547	4.444	4.644	51.590	50.000	3.2
Decachlorobiphenyl	9.104	9.003	9.203	46.460	50.000	-7.1
delta-BHC	4.795	4.692	4.892	52.060	50.000	4.1
Dieldrin	6.378	6.275	6.475	50.060	50.000	0.1
Endosulfan I	6.105	6.002	6.202	50.100	50.000	0.2
Endosulfan II	6.818	6.715	6.915	48.190	50.000	-3.6
Endosulfan sulfate	7.181	7.078	7.278	47.390	50.000	-5.2
Endrin	6.604	6.502	6.702	48.520	50.000	-3.0
Endrin aldehyde	6.947	6.844	7.044	47.180	50.000	-5.6
Endrin ketone	7.662	7.560	7.760	47.740	50.000	-4.5
gamma-BHC (Lindane)	4.360	4.257	4.457	52.660	50.000	5.3
gamma-Chlordane	5.976	5.873	6.073	51.460	50.000	2.9
Heptachlor	4.957	4.855	5.055	50.460	50.000	0.9
Heptachlor epoxide	5.721	5.618	5.818	51.230	50.000	2.5
Methoxychlor	7.524	7.423	7.623	47.320	50.000	-5.4
Mirex	8.142	8.042	8.242	47.490	50.000	-5.0
Tetrachloro-m-xylene	3.576	3.473	3.673	53.260	50.000	6.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 05/27/2025

Lab Sample No.: PSTDCCC050 Data File : PL095792.D Time Analyzed: 13:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.921	5.826	6.026	50.280	50.000	0.6
4,4'-DDE	5.369	5.274	5.474	51.610	50.000	3.2
4,4'-DDT	6.175	6.080	6.280	47.090	50.000	-5.8
Aldrin	4.363	4.268	4.468	54.280	50.000	8.6
alpha-BHC	3.391	3.296	3.496	54.880	50.000	9.8
alpha-Chlordane	5.182	5.087	5.287	52.560	50.000	5.1
beta-BHC	4.021	3.926	4.126	53.830	50.000	7.7
Decachlorobiphenyl	8.058	7.964	8.164	42.770	50.000	-14.5
delta-BHC	4.256	4.161	4.361	54.570	50.000	9.1
Dieldrin	5.503	5.408	5.608	51.860	50.000	3.7
Endosulfan I	5.237	5.143	5.343	52.690	50.000	5.4
Endosulfan II	6.068	5.973	6.173	49.000	50.000	-2.0
Endosulfan sulfate	6.469	6.375	6.575	47.810	50.000	-4.4
Endrin	5.777	5.683	5.883	49.170	50.000	-1.7
Endrin aldehyde	6.246	6.151	6.351	47.650	50.000	-4.7
Endrin ketone	6.973	6.880	7.080	45.830	50.000	-8.3
gamma-BHC (Lindane)	3.725	3.630	3.830	53.730	50.000	7.5
gamma-Chlordane	5.118	5.023	5.223	53.000	50.000	6.0
Heptachlor	4.078	3.983	4.183	52.210	50.000	4.4
Heptachlor epoxide	4.865	4.771	4.971	52.780	50.000	5.6
Methoxychlor	6.745	6.651	6.851	43.820	50.000	-12.4
Mirex	7.168	7.074	7.274	45.580	50.000	-8.8
Tetrachloro-m-xylene	2.881	2.786	2.986	53.310	50.000	6.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
 Data File : PL095792.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 13:19
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:56:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.576	2.881	168.1E6	208.6E6	53.264	53.308
28)	SA Decachlor...	9.104	8.058	109.5E6	187.1E6	46.456	42.768
Target Compounds							
2)	A alpha-BHC	4.029	3.391	259.1E6	321.4E6	53.439	54.879
3)	MA gamma-BHC...	4.360	3.725	235.5E6	300.9E6	52.663	53.726
4)	MA Heptachlor	4.957	4.078	191.0E6	292.8E6	50.457	52.208
5)	MB Aldrin	5.300	4.363	222.6E6	288.1E6	52.041	54.279
6)	B beta-BHC	4.547	4.021	101.7E6	133.4E6	51.590	53.825
7)	B delta-BHC	4.795	4.256	230.8E6	308.2E6	52.063	54.565
8)	B Heptachlo...	5.721	4.865	195.5E6	260.6E6	51.230	52.775
9)	A Endosulfan I	6.105	5.237	183.6E6	251.1E6	50.100	52.688
10)	B gamma-Chl...	5.976	5.118	200.3E6	278.4E6	51.458	53.001
11)	B alpha-Chl...	6.057	5.182	198.8E6	273.5E6	50.364	52.561
12)	B 4,4'-DDE	6.228	5.369	184.8E6	276.7E6	50.390	51.608
13)	MA Dieldrin	6.378	5.503	193.2E6	274.9E6	50.056	51.865
14)	MA Endrin	6.604	5.777	156.5E6	239.7E6	48.516	49.166
15)	B Endosulfa...	6.818	6.068	166.1E6	232.8E6	48.188	48.998
16)	A 4,4'-DDD	6.737	5.921	141.8E6	220.5E6	48.373	50.277
17)	MA 4,4'-DDT	7.052	6.175	125.7E6	225.2E6	46.468	47.090
18)	B Endrin al...	6.947	6.246	114.1E6	164.6E6	47.184	47.647
19)	B Endosulfa...	7.181	6.469	141.5E6	214.9E6	47.388	47.806
20)	A Methoxychlor	7.524	6.745	60354302	114.6E6	47.325	43.824
21)	B Endrin ke...	7.662	6.973	151.2E6	237.1E6	47.741	45.828m
22)	Mirex	8.142	7.168	109.9E6	185.1E6	47.491	45.576

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 13:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

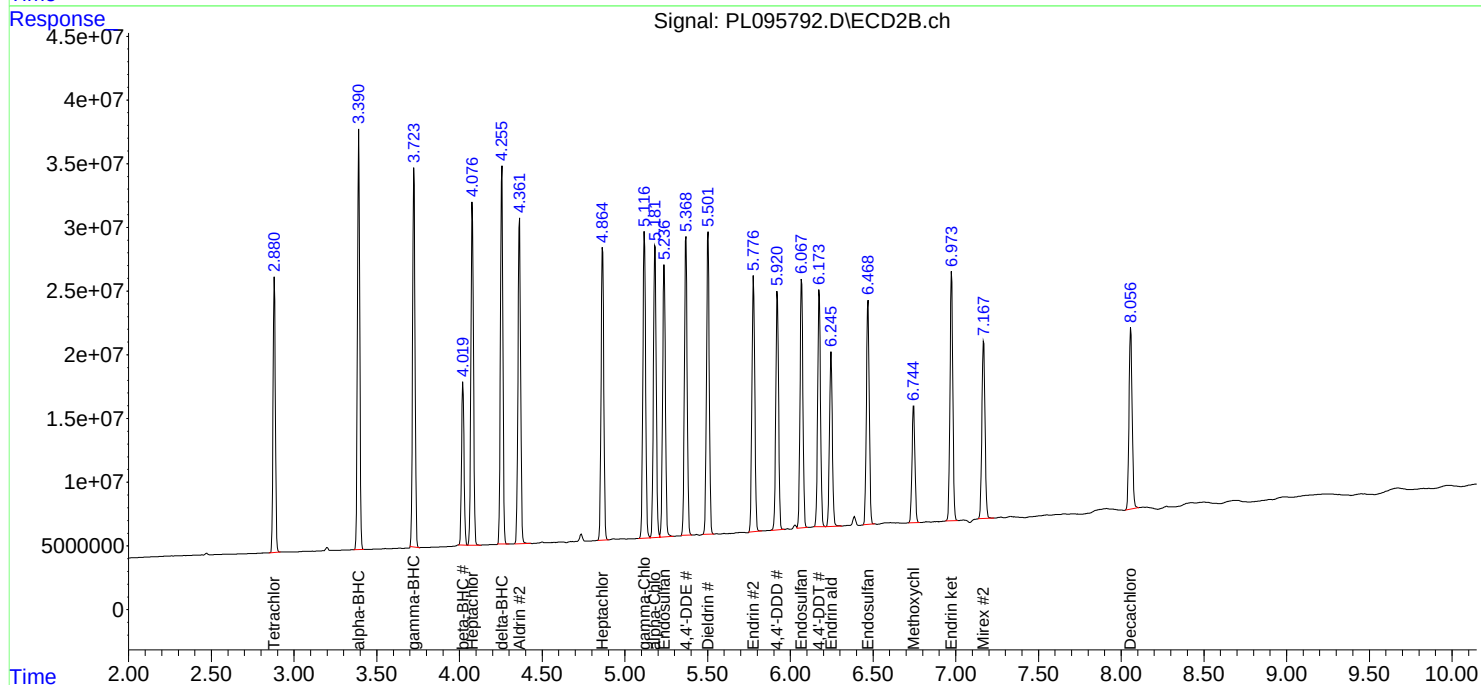
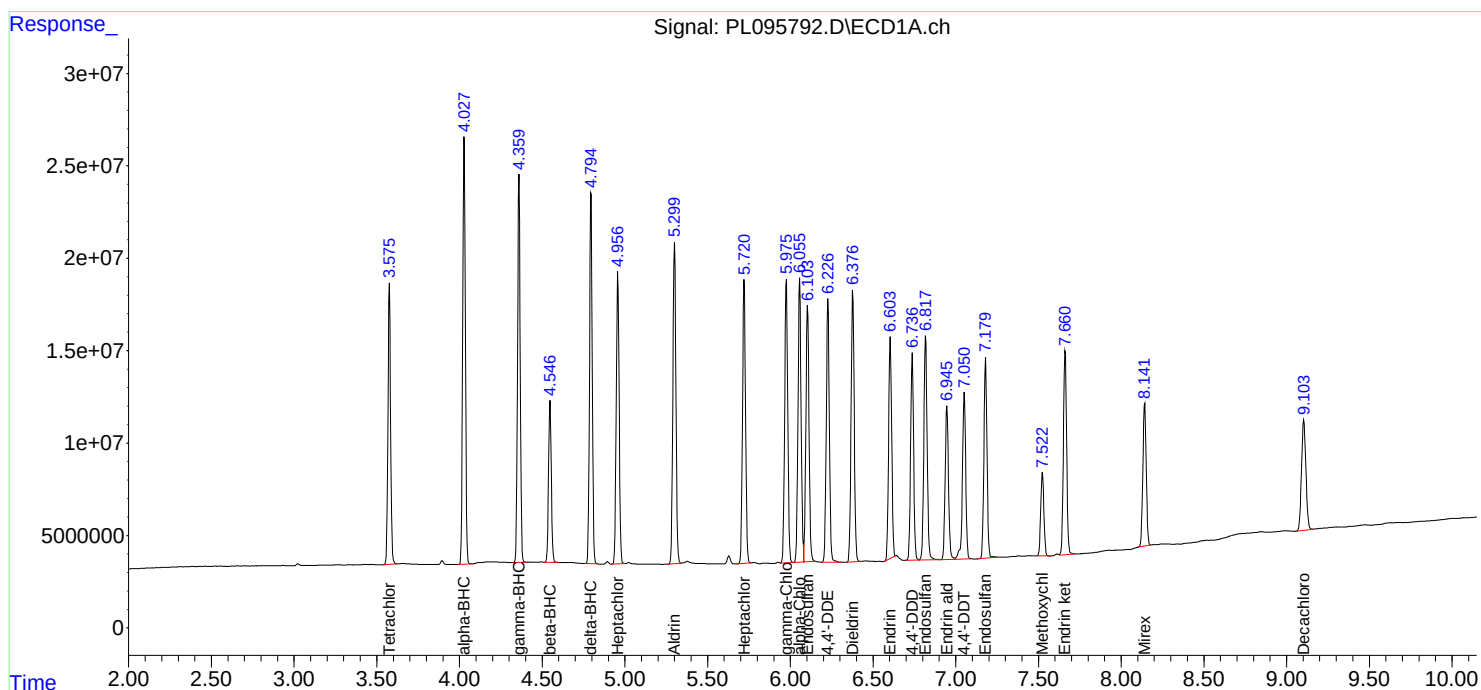
APPROVED

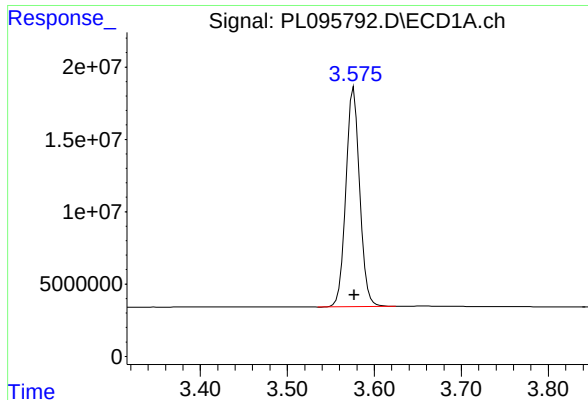
Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:56:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





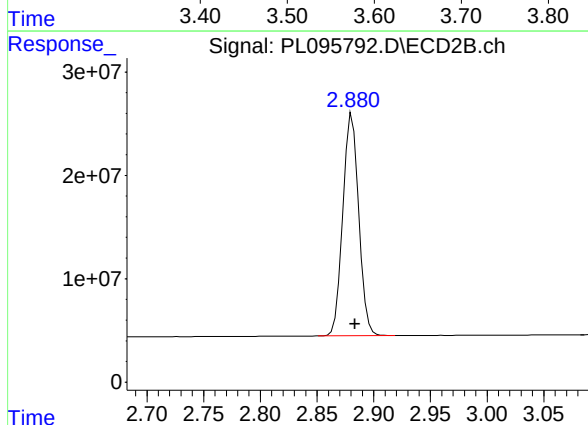
#1 Tetrachloro-m-xylene

R.T.: 3.576 min
Delta R.T.: 0.000 min
Response: 168062859
Conc: 53.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

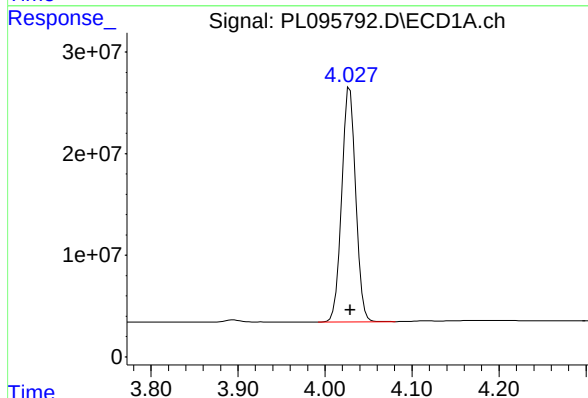
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



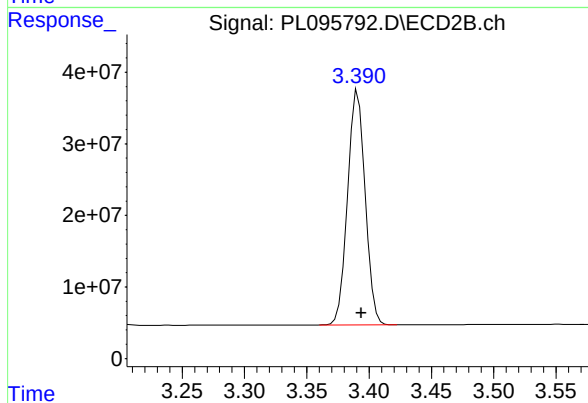
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 208644139
Conc: 53.31 ng/ml



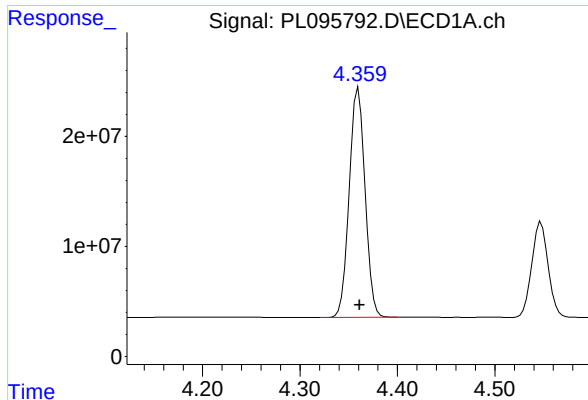
#2 alpha-BHC

R.T.: 4.029 min
Delta R.T.: 0.000 min
Response: 259069716
Conc: 53.44 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 321444797
Conc: 54.88 ng/ml



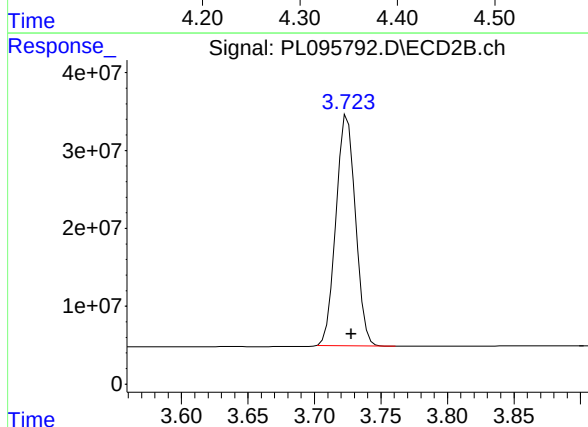
#3 gamma-BHC (Lindane)

R.T.: 4.360 min
Delta R.T.: -0.001 min
Response: 235502871
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

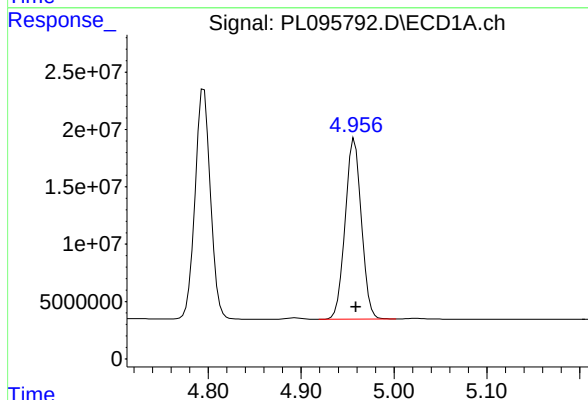
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



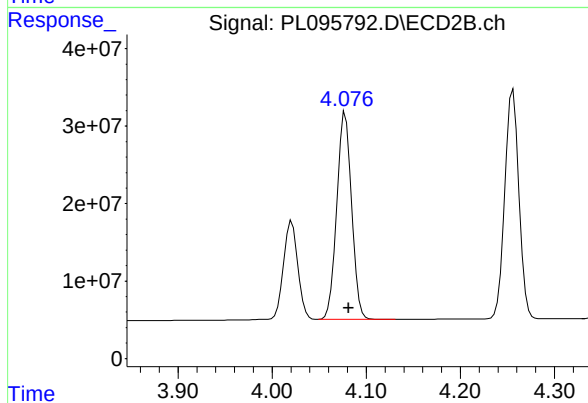
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.003 min
Response: 300930574
Conc: 53.73 ng/ml



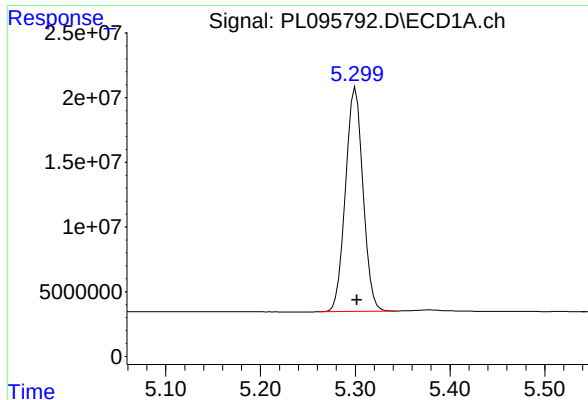
#4 Heptachlor

R.T.: 4.957 min
Delta R.T.: -0.001 min
Response: 190982579
Conc: 50.46 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.003 min
Response: 292836625
Conc: 52.21 ng/ml



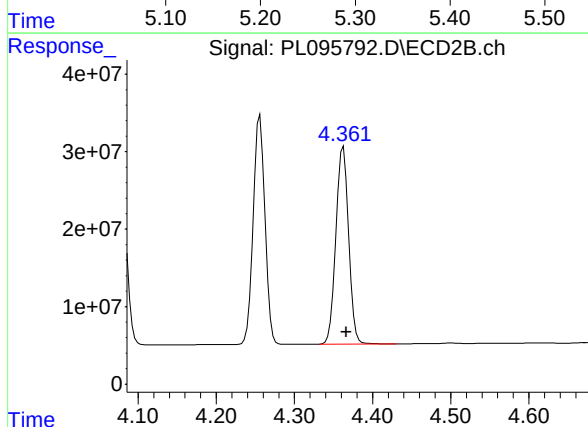
#5 Aldrin

R.T.: 5.300 min
Delta R.T.: -0.002 min
Response: 222616599
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

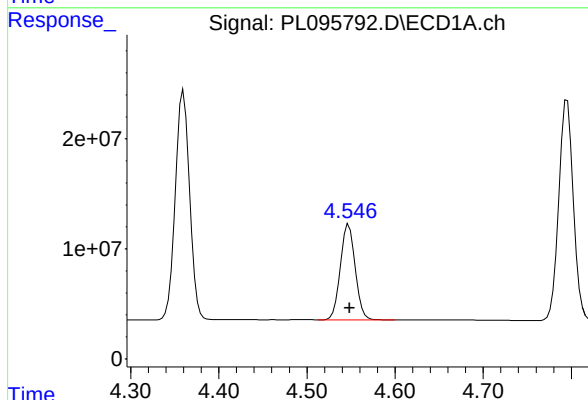
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



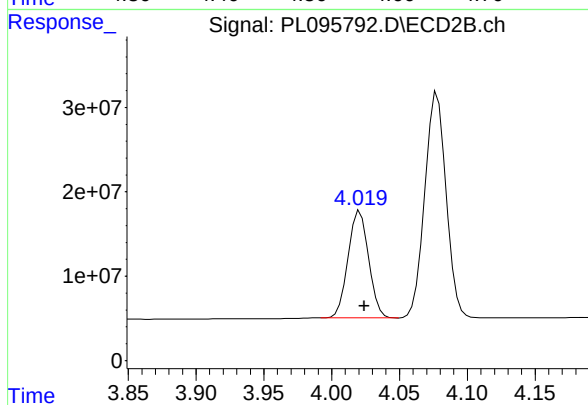
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.004 min
Response: 288066688
Conc: 54.28 ng/ml



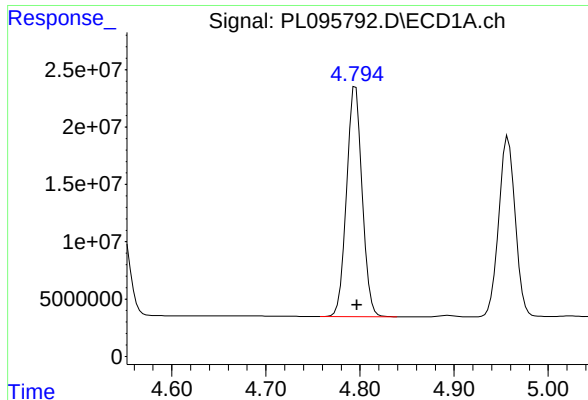
#6 beta-BHC

R.T.: 4.547 min
Delta R.T.: -0.001 min
Response: 101703041
Conc: 51.59 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.003 min
Response: 133355259
Conc: 53.83 ng/ml



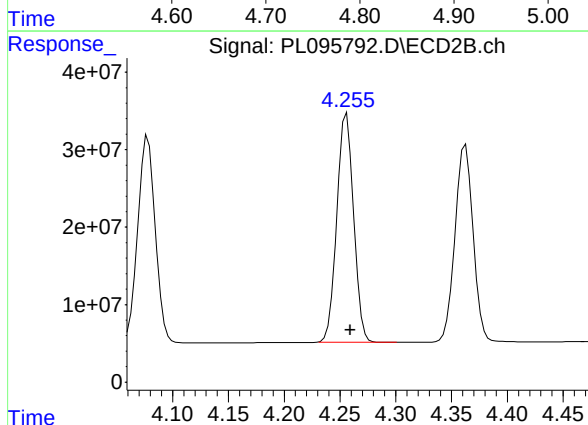
#7 delta-BHC

R.T.: 4.795 min
Delta R.T.: -0.001 min
Response: 230827898
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

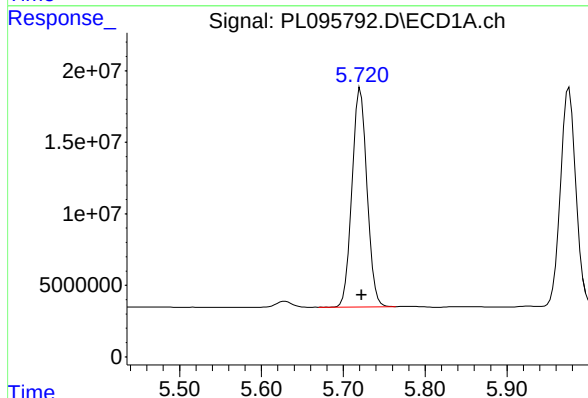
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



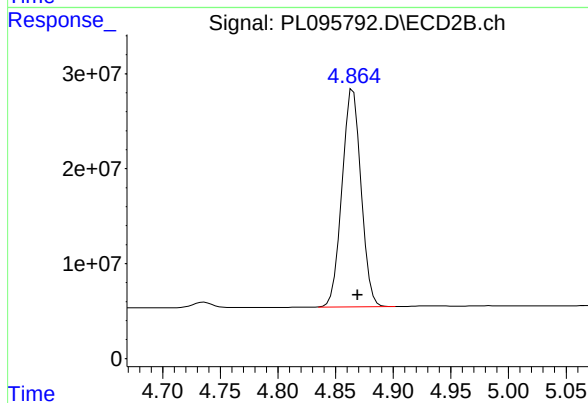
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.004 min
Response: 308150413
Conc: 54.57 ng/ml



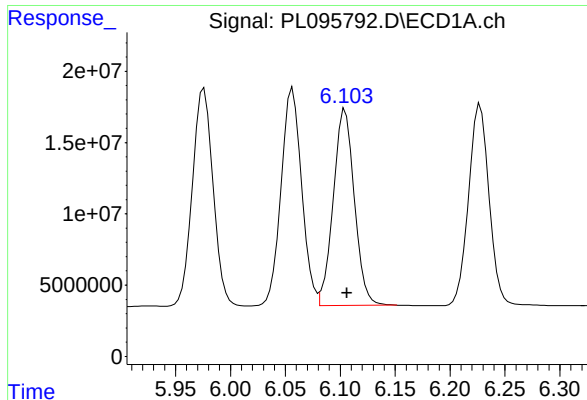
#8 Heptachlor epoxide

R.T.: 5.721 min
Delta R.T.: -0.001 min
Response: 195538340
Conc: 51.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.004 min
Response: 260573438
Conc: 52.78 ng/ml



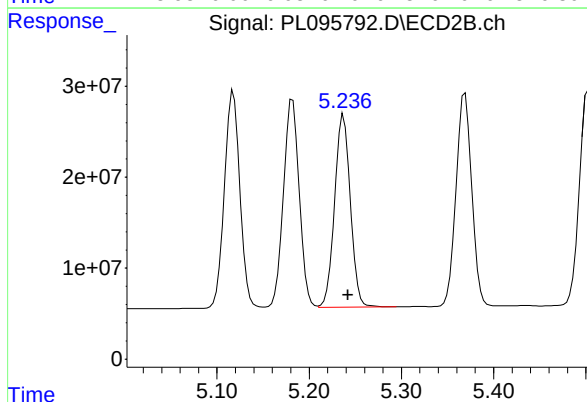
#9 Endosulfan I

R.T.: 6.105 min
Delta R.T.: -0.002 min
Response: 183608313
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

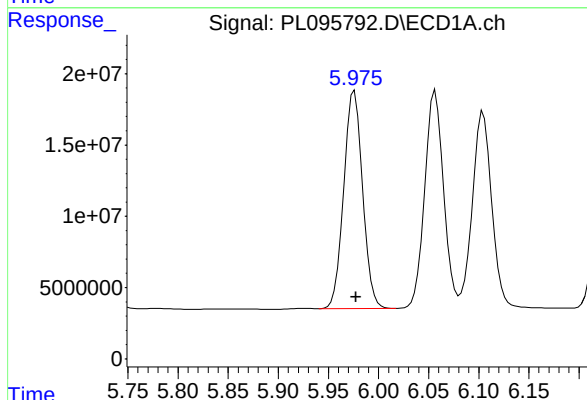
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



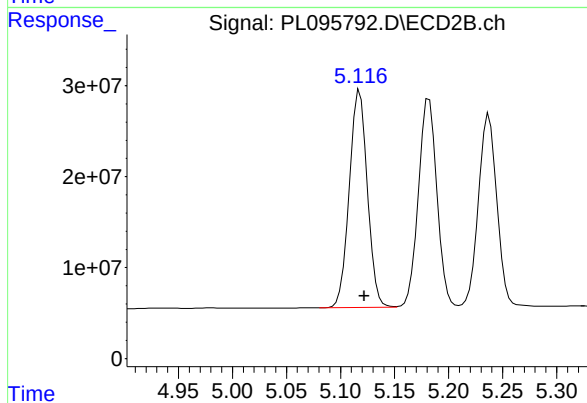
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.005 min
Response: 251054941
Conc: 52.69 ng/ml



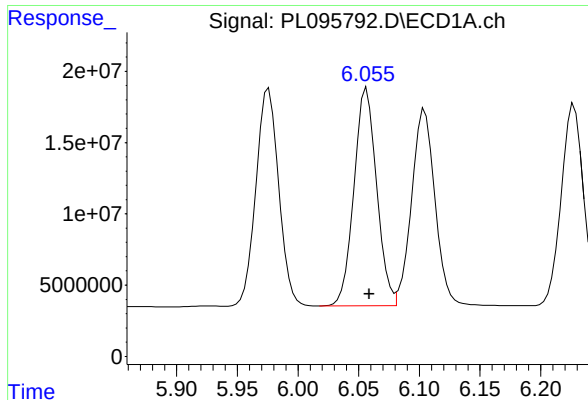
#10 gamma-Chlordane

R.T.: 5.976 min
Delta R.T.: -0.002 min
Response: 200277979
Conc: 51.46 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 278398145
Conc: 53.00 ng/ml



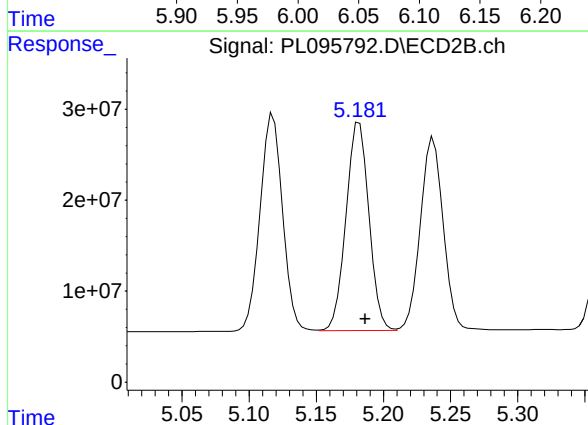
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.002 min
Response: 198846044
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

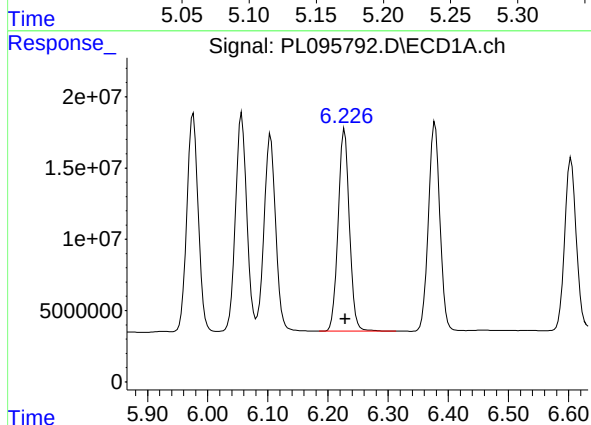
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



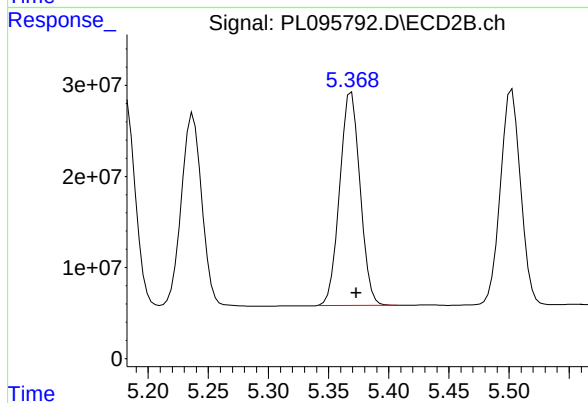
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 273463665
Conc: 52.56 ng/ml



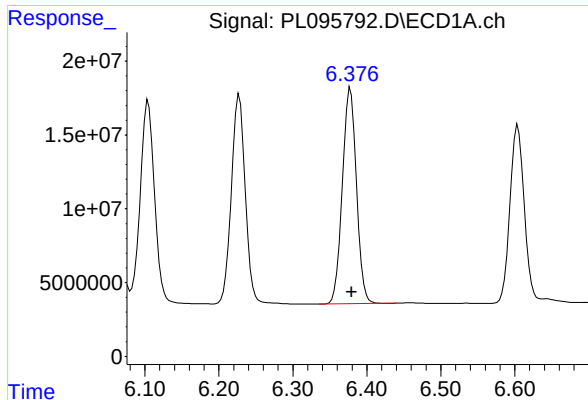
#12 4,4'-DDE

R.T.: 6.228 min
Delta R.T.: -0.001 min
Response: 184824204
Conc: 50.39 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.004 min
Response: 276731696
Conc: 51.61 ng/ml



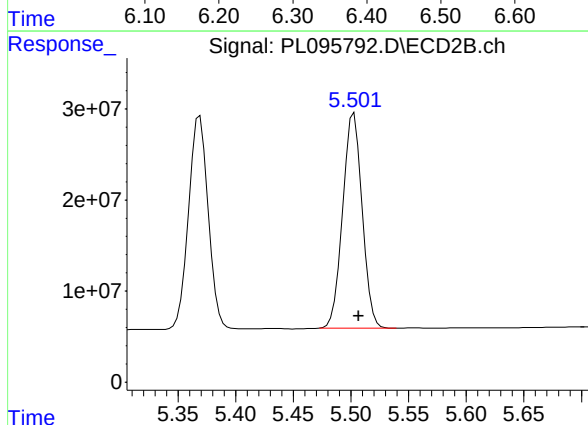
#13 Dieldrin

R.T.: 6.378 min
Delta R.T.: -0.002 min
Response: 193175374
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

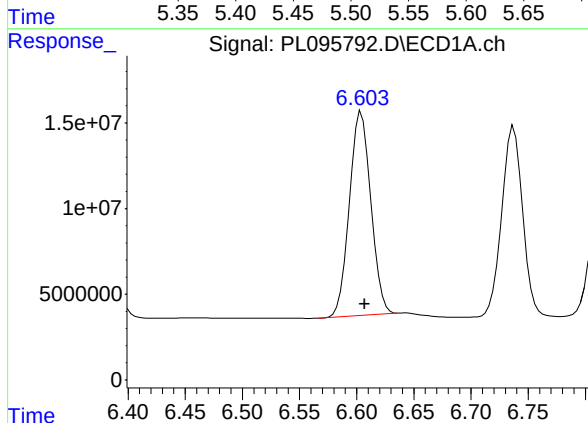
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



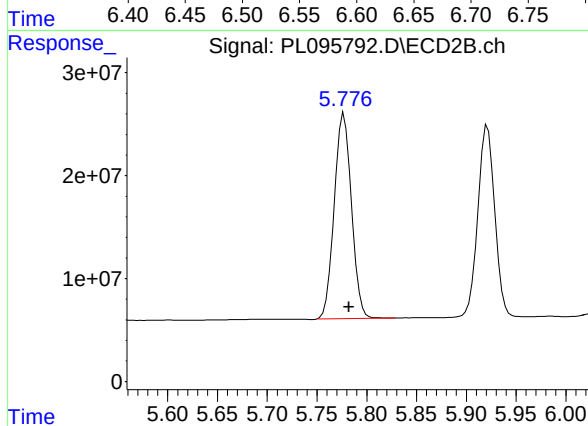
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 274889937
Conc: 51.86 ng/ml



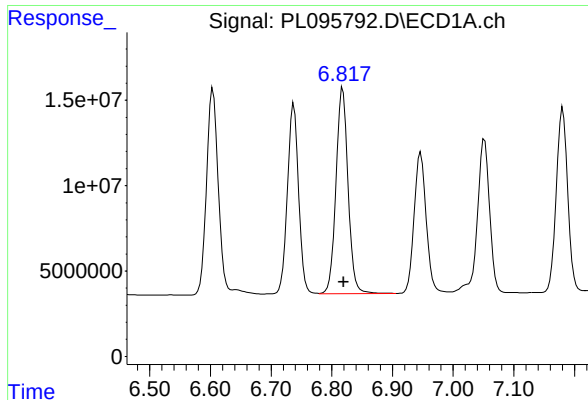
#14 Endrin

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 156548422
Conc: 48.52 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 239740002
Conc: 49.17 ng/ml



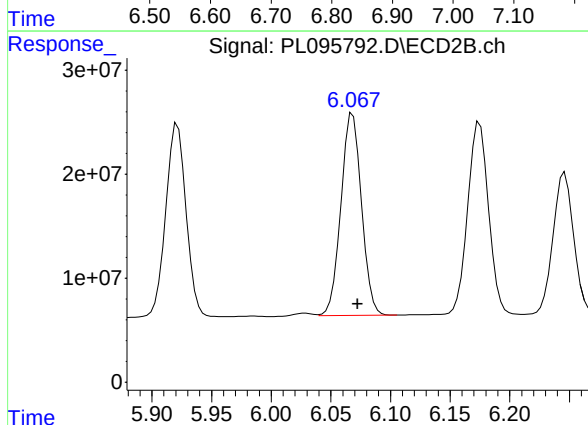
#15 Endosulfan II

R.T.: 6.818 min
Delta R.T.: -0.002 min
Response: 166059876
Conc: 48.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

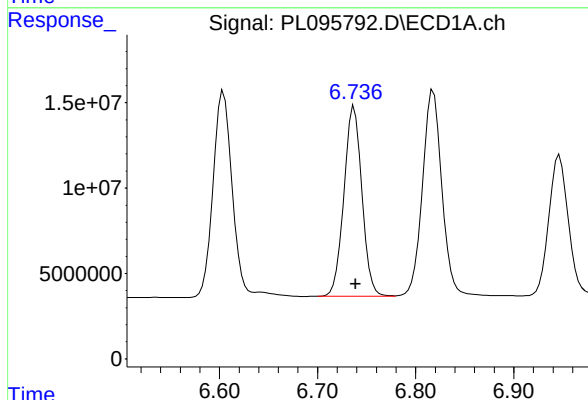
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



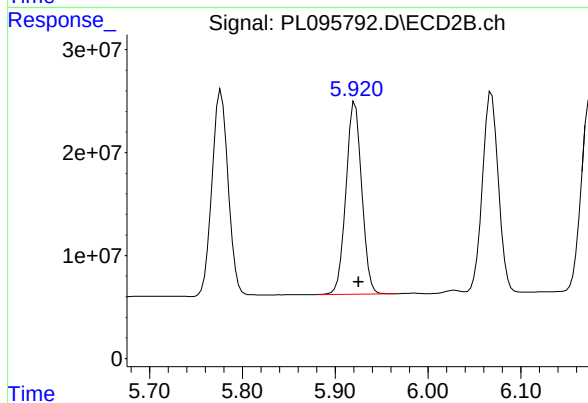
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 232826050
Conc: 49.00 ng/ml



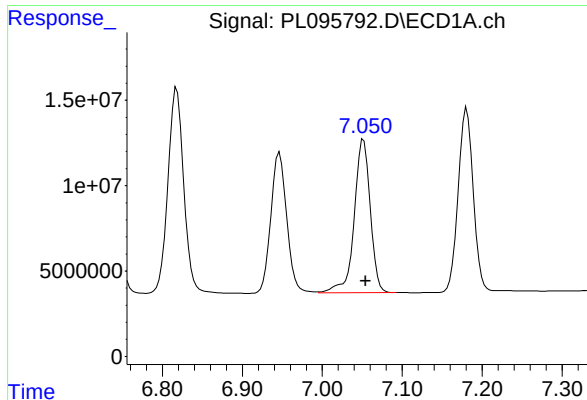
#16 4,4'-DDD

R.T.: 6.737 min
Delta R.T.: -0.002 min
Response: 141761087
Conc: 48.37 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 220461868
Conc: 50.28 ng/ml



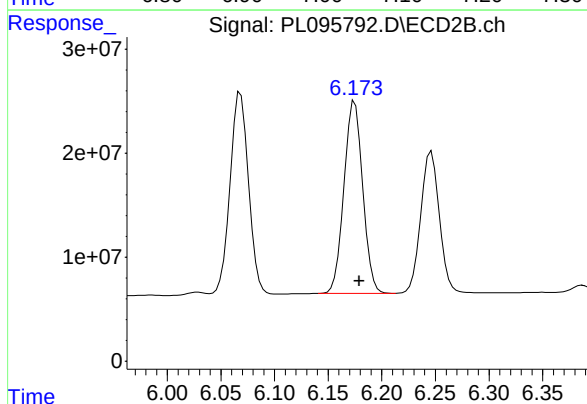
#17 4,4'-DDT

R.T.: 7.052 min
Delta R.T.: -0.002 min
Response: 125701499
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

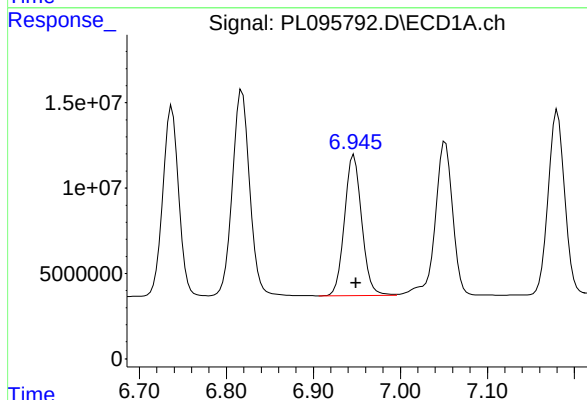
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



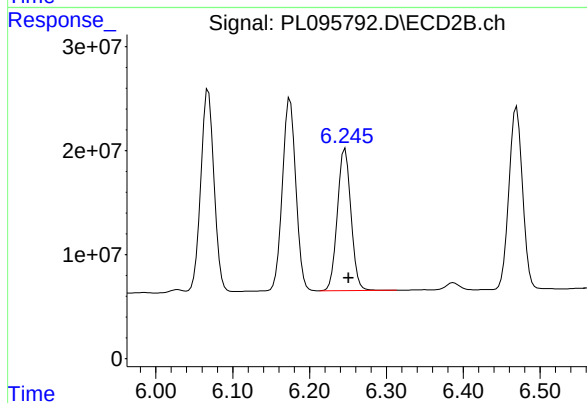
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 225212013
Conc: 47.09 ng/ml



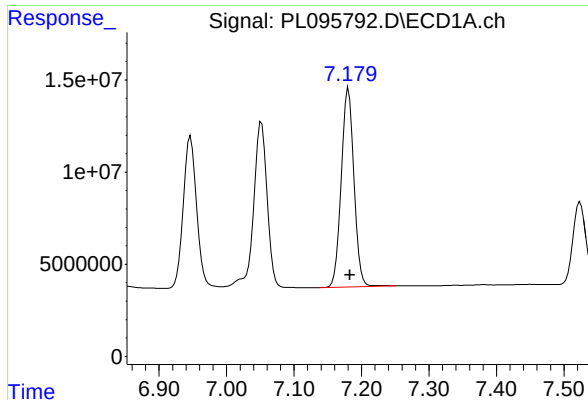
#18 Endrin aldehyde

R.T.: 6.947 min
Delta R.T.: -0.002 min
Response: 114072138
Conc: 47.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 164585482
Conc: 47.65 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.003 min
Response: 141544511
Conc: 47.39 ng/ml

Instrument :

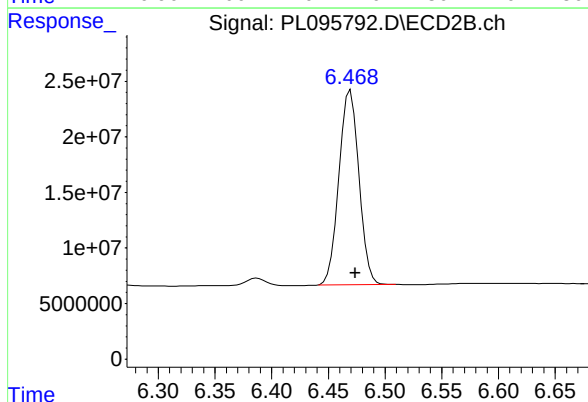
ECD_L

ClientSampleId :

PSTDCCC050

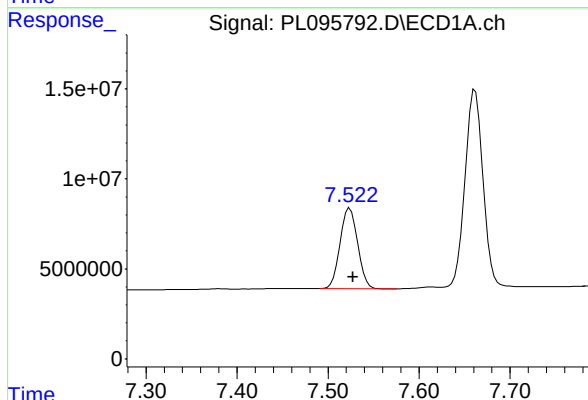
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



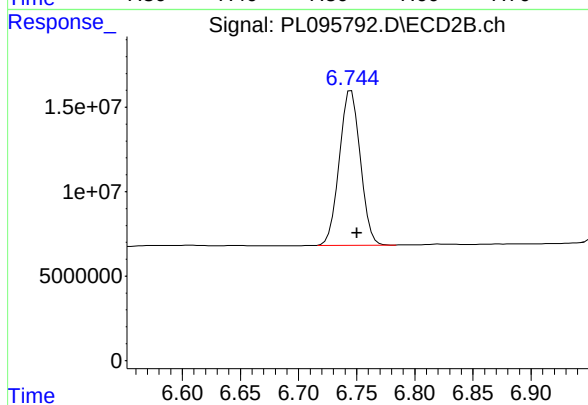
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.004 min
Response: 214877210
Conc: 47.81 ng/ml



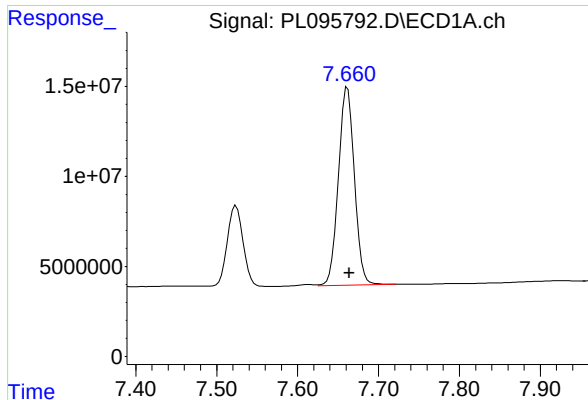
#20 Methoxychlor

R.T.: 7.524 min
Delta R.T.: -0.004 min
Response: 60354302
Conc: 47.32 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 114647852
Conc: 43.82 ng/ml



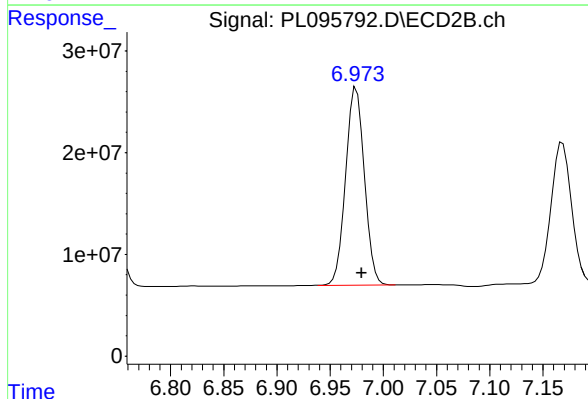
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: -0.003 min
Response: 151192624
Conc: 47.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

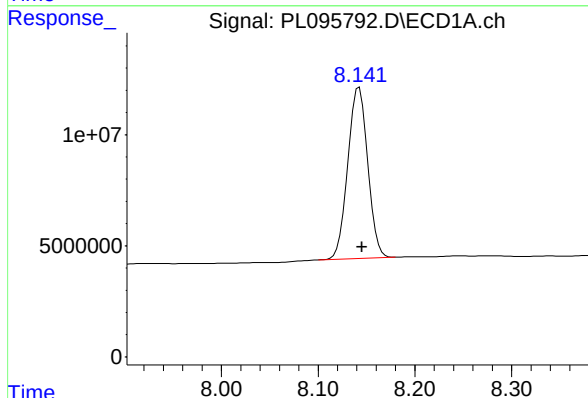
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



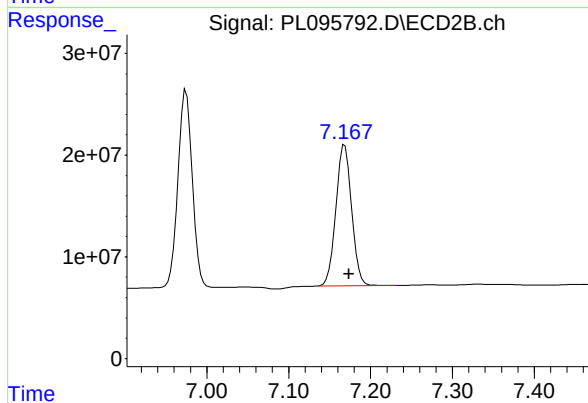
#21 Endrin ketone

R.T.: 6.973 min
Delta R.T.: -0.006 min
Response: 237108643
Conc: 45.83 ng/ml m



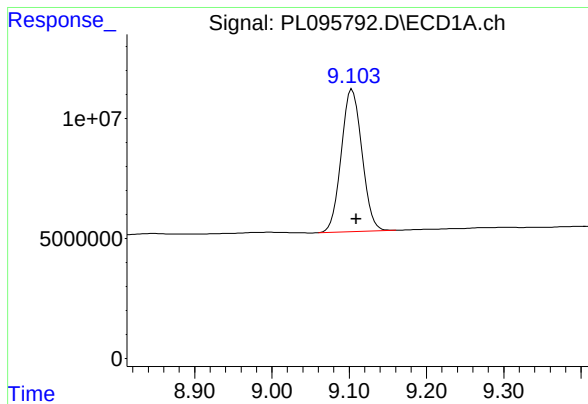
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.003 min
Response: 109884177
Conc: 47.49 ng/ml



#22 Mirex

R.T.: 7.168 min
Delta R.T.: -0.005 min
Response: 185062258
Conc: 45.58 ng/ml



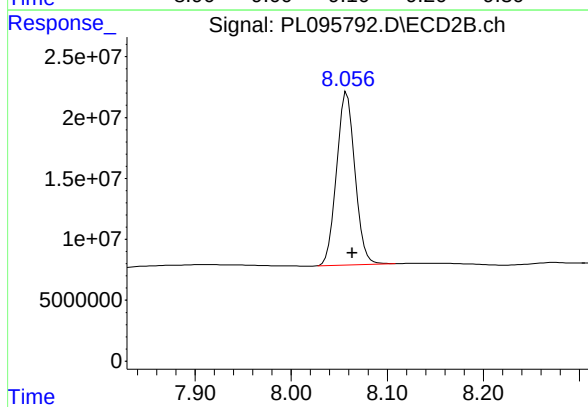
#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 109466403
Conc: 46.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 187087909
Conc: 42.77 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D Date Analyzed: 05/21/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D Date Analyzed: 05/21/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

PEM
 Data File: PL095733.D Date Acquired 5/21/2025 11:01
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.60	166199539.1	167521772.4	1322233.35	Down 0.79
Endrin aldehyde	6.96	311326.919			
Endrin ketone	7.66	1010906.429			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	250406859.3	255154793.7	4747934.39	1.86
Endrin aldehyde #2	6.25	2401094.749			
Endrin ketone #2	6.98	2346839.636			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.05	266081984.2	266752820.2	670836.009	0.25
4,4'-DDE	0.00	0			
4,4'-DDD	6.73	670836.009			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	505004527.9	506096836.4	1092308.49	0.22
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	1092308.494			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095733.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:01
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/22/2025
 Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:31:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	64039504	78171856	20.296	19.973
28)	SA Decachlor...	9.103	8.063	51250615	91261143	21.750	20.862
Target Compounds							
2)	A alpha-BHC	4.025	3.396	47867188	56433599	9.874	9.635
3)	MA gamma-BHC...	4.356	3.730	45268364	54712345	10.123	9.768
6)	B beta-BHC	4.544	4.024	20364485	24808902	10.330	10.013m
14)	MA Endrin	6.602	5.782	166.2E6	250.4E6	51.507	51.354
16)	A 4,4'-DDD	6.734	5.926	670836	1092308	0.229m	0.249m
17)	MA 4,4'-DDT	7.049	6.179	266.1E6	505.0E6	98.362	105.592
18)	B Endrin al...	6.959	6.254	311327	2401095	0.129m	0.695m#
20)	A Methoxychlor	7.523	6.750	317.7E6	608.7E6	249.137	232.677
21)	B Endrin ke...	7.659	6.979	1010906	2346840	0.319m	0.454m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

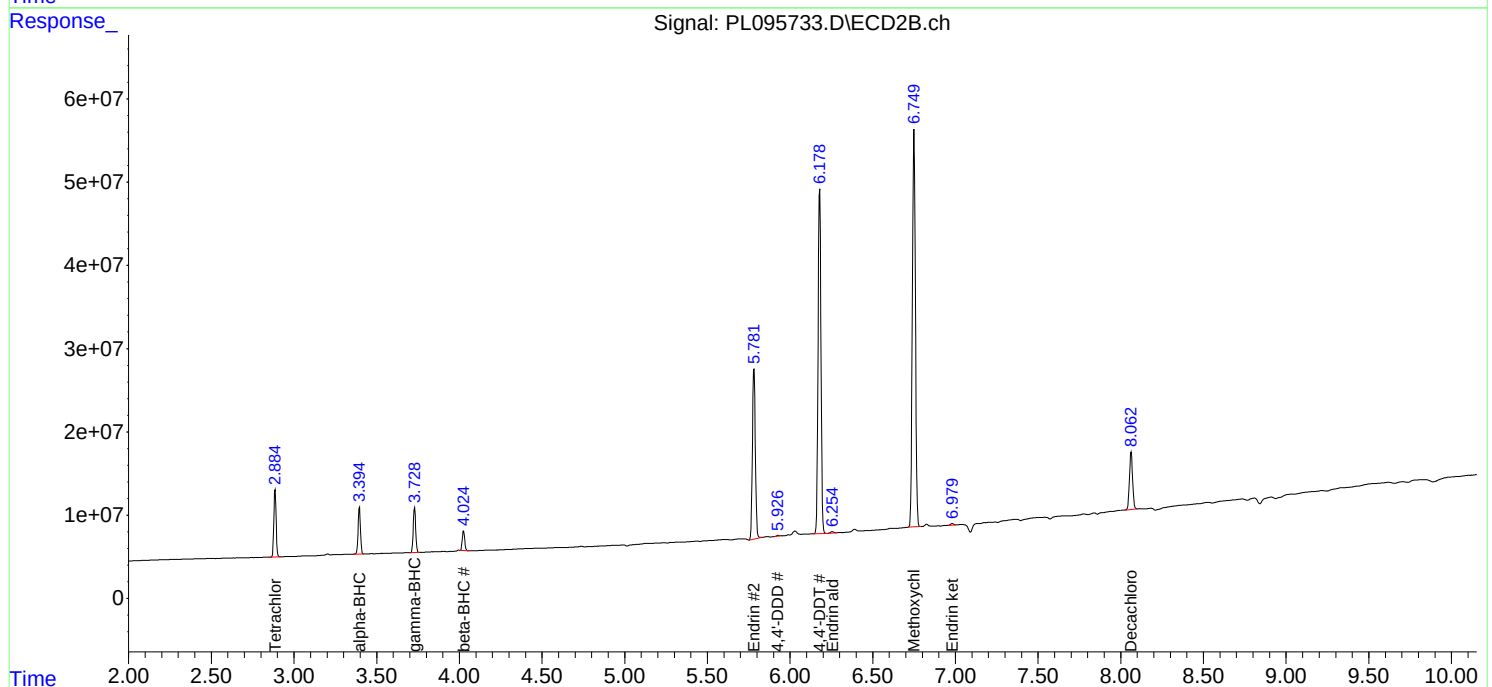
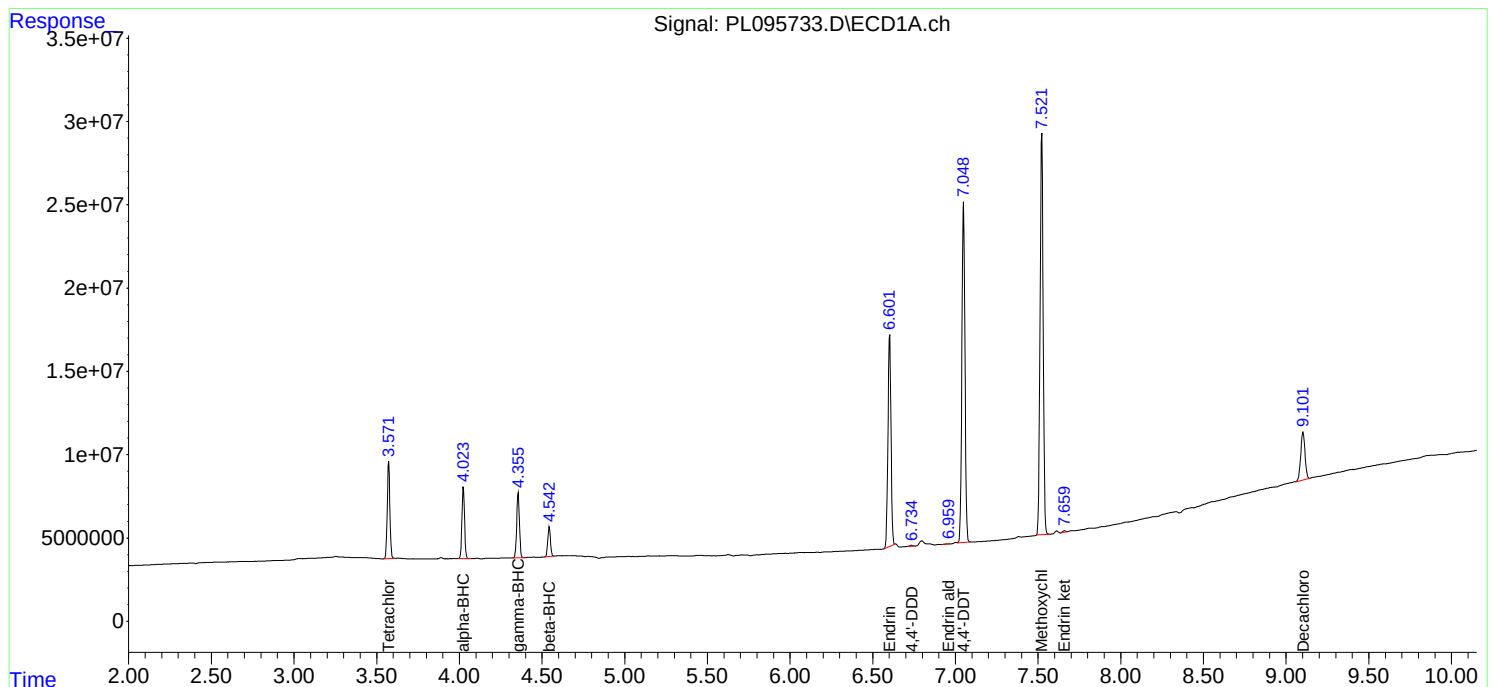
Instrument :
ECD_L
ClientSampleId :
PEM

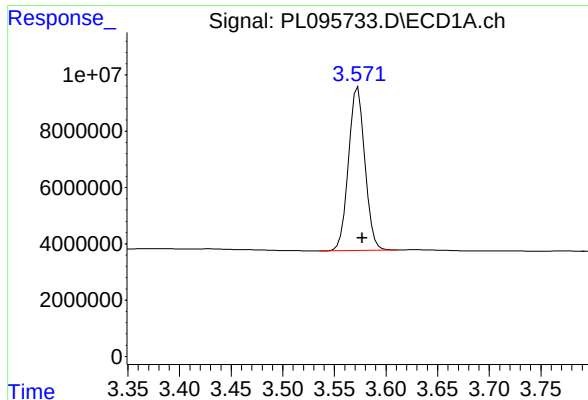
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/22/2025
Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





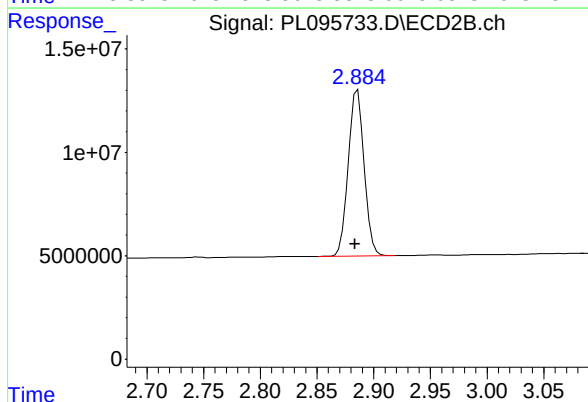
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 64039504
Conc: 20.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

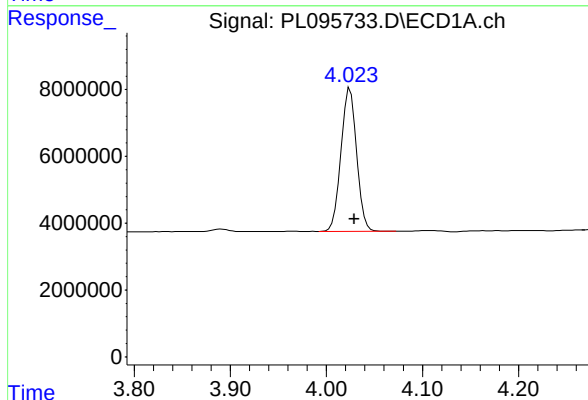
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



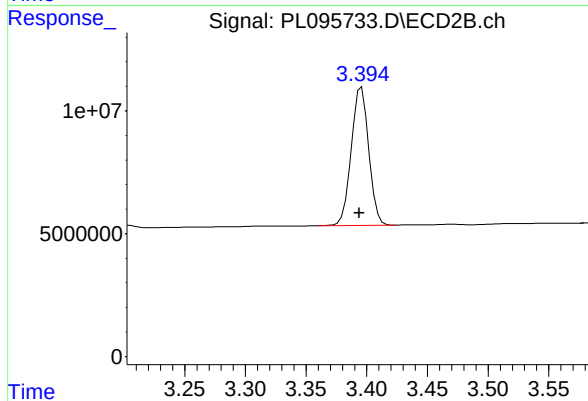
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 78171856
Conc: 19.97 ng/ml



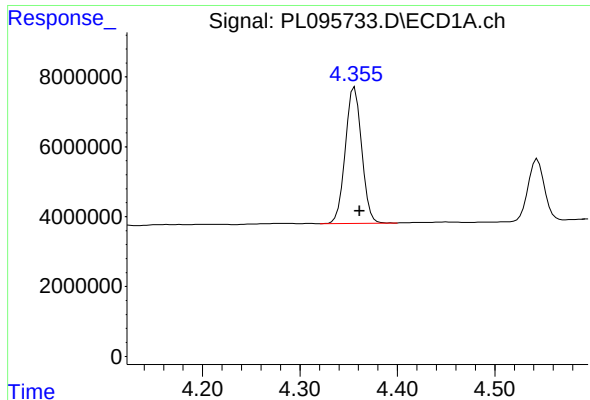
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.005 min
Response: 47867188
Conc: 9.87 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 56433599
Conc: 9.63 ng/ml



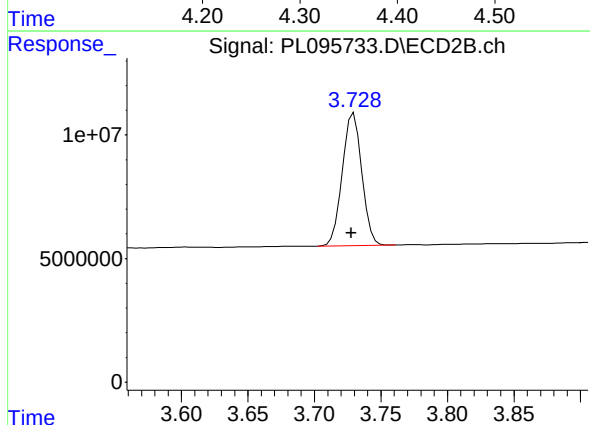
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 45268364
Conc: 10.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

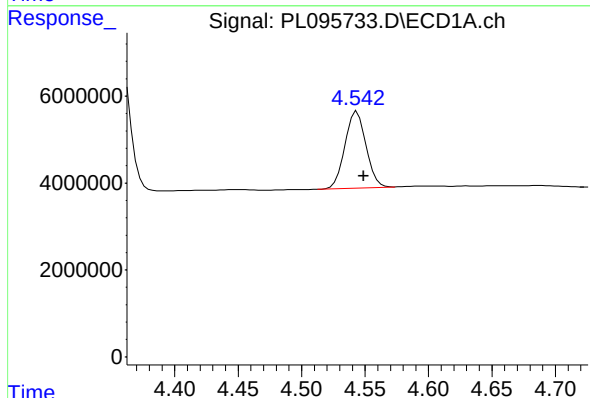
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



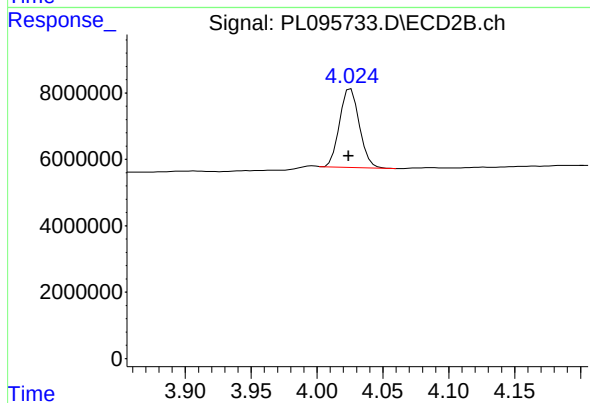
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 54712345
Conc: 9.77 ng/ml



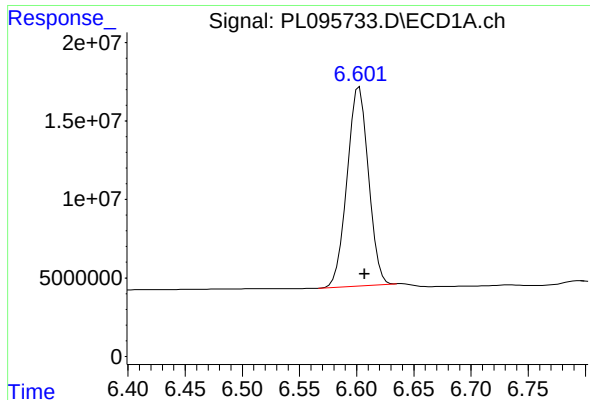
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 20364485
Conc: 10.33 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 24808902
Conc: 10.01 ng/ml m



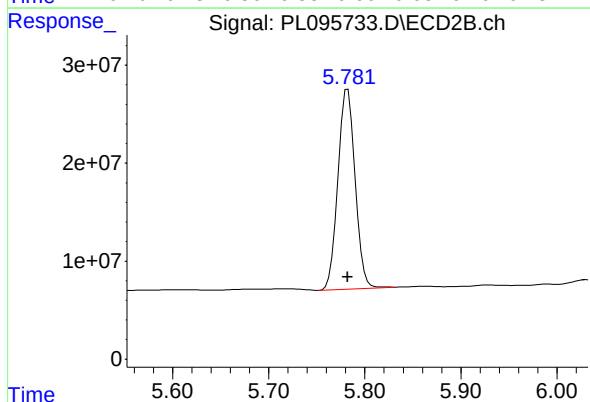
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 166199539
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

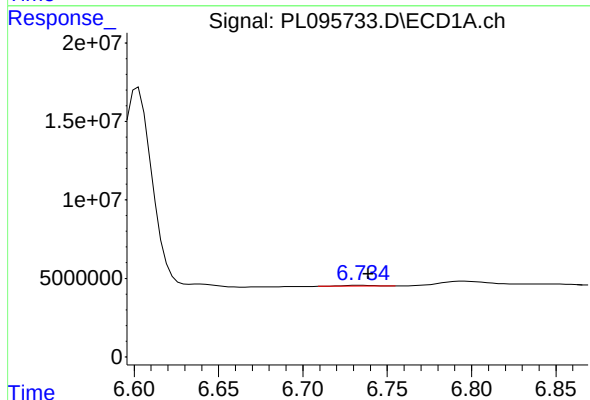
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



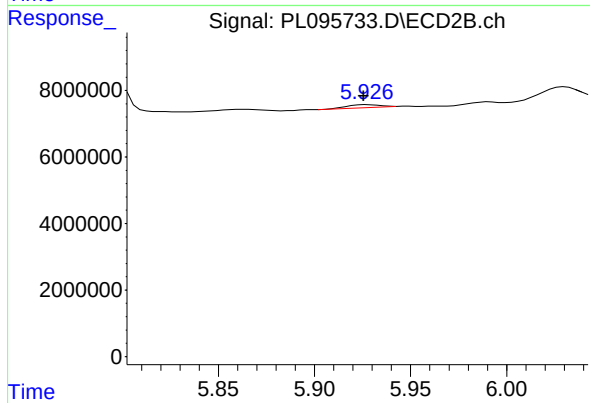
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 250406859
Conc: 51.35 ng/ml



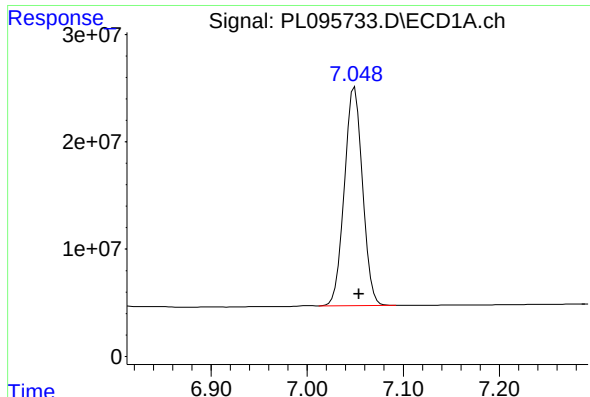
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 670836
Conc: 0.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 1092308
Conc: 0.25 ng/ml m



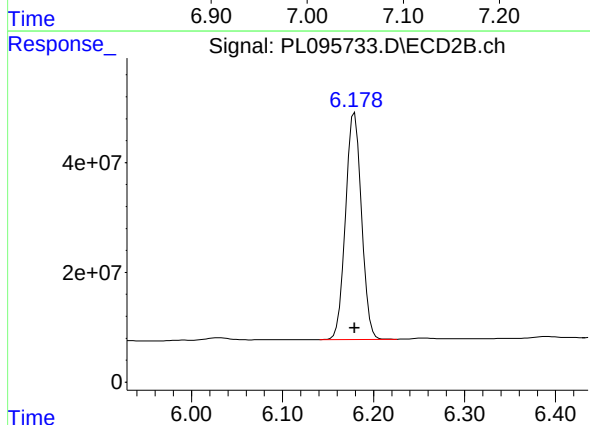
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 266081984
Conc: 98.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

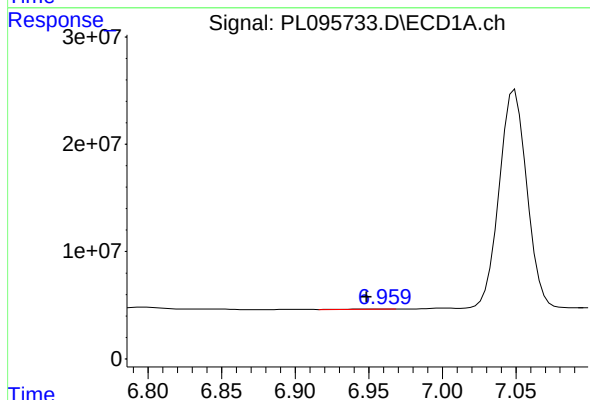
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



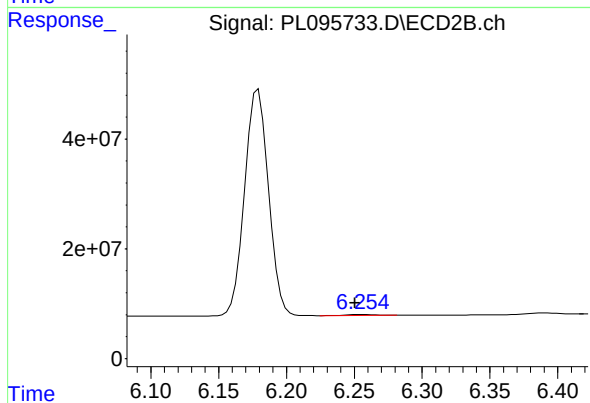
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 505004528
Conc: 105.59 ng/ml



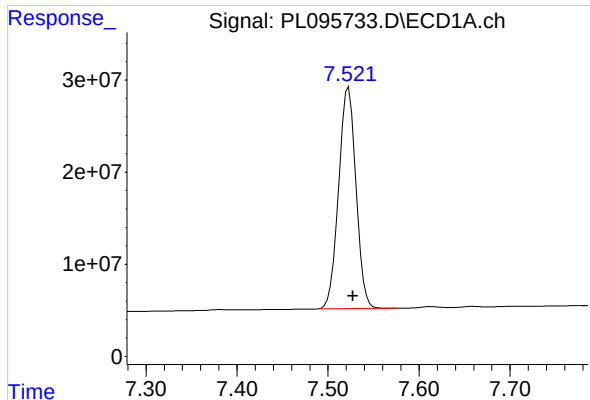
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: 0.010 min
Response: 311327
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.004 min
Response: 2401095
Conc: 0.70 ng/ml m



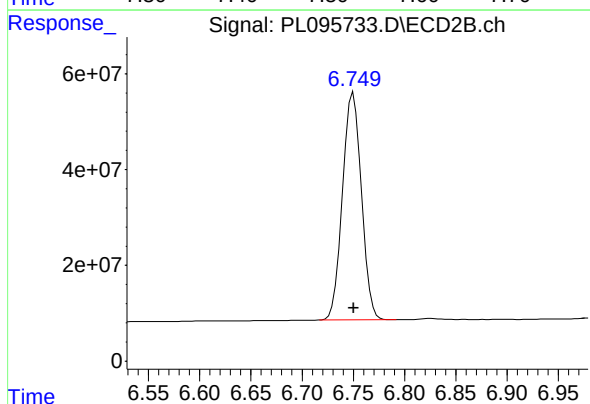
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 317731063
Conc: 249.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

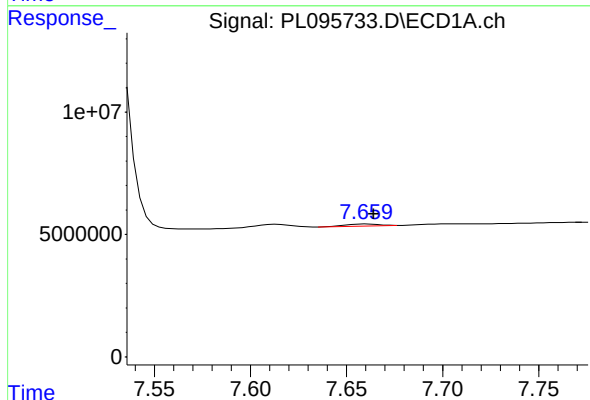
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



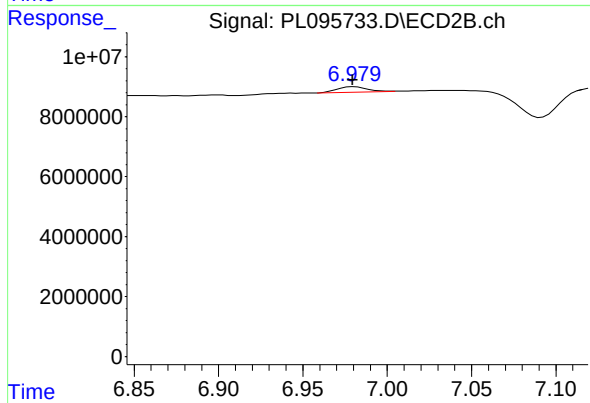
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 608707889
Conc: 232.68 ng/ml



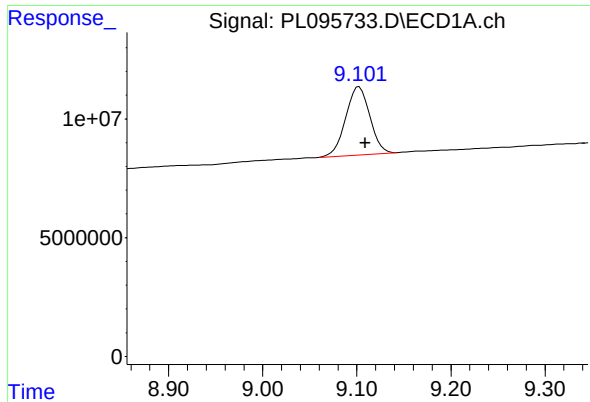
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: -0.006 min
Response: 1010906
Conc: 0.32 ng/ml m



#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 2346840
Conc: 0.45 ng/ml m



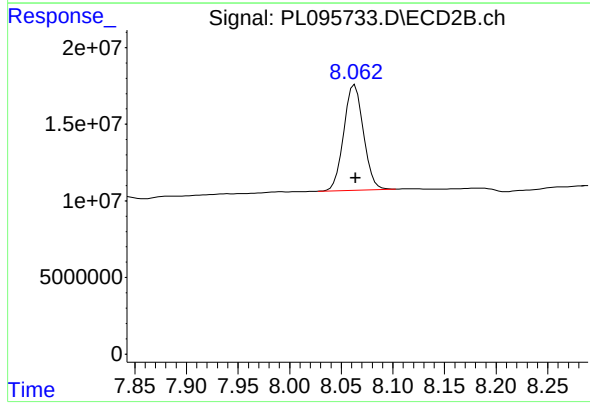
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 51250615
Conc: 21.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 91261143
Conc: 20.86 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095780.D Date Analyzed: 05/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.098	9.000	9.200	22.040	20.000	10.2
Tetrachloro-m-xylene	3.572	3.520	3.620	21.230	20.000	6.2
alpha-BHC	4.023	3.970	4.070	9.950	10.000	-0.5
beta-BHC	4.542	4.490	4.590	10.390	10.000	3.9
gamma-BHC (Lindane)	4.354	4.300	4.400	10.010	10.000	0.1
Endrin	6.600	6.530	6.670	50.640	50.000	1.3
4,4'-DDT	7.047	6.980	7.120	98.190	100.000	-1.8
Methoxychlor	7.518	7.450	7.590	249.690	250.000	-0.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095780.D Date Analyzed: 05/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.059	7.960	8.160	22.300	20.000	11.5
Tetrachloro-m-xylene	2.884	2.830	2.930	20.520	20.000	2.6
alpha-BHC	3.394	3.340	3.440	9.620	10.000	-3.8
beta-BHC	4.022	3.970	4.070	10.520	10.000	5.2
gamma-BHC (Lindane)	3.727	3.680	3.780	9.800	10.000	-2.0
Endrin	5.780	5.710	5.850	50.020	50.000	0.0
4,4'-DDT	6.176	6.110	6.250	102.450	100.000	2.5
Methoxychlor	6.746	6.680	6.820	204.920	250.000	-18.0

PEM
 Data File: PL095780.D Date Acquired 5/27/2025 8:51
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.60	163398892.4	165619960.5	2221068.09	Down 1.34
Endrin aldehyde	6.94	329899.935			
Endrin ketone	7.66	1891168.157			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	243903576.6	249099432.1	5195855.48	2.09
Endrin aldehyde #2	6.25	2089749.332			
Endrin ketone #2	6.97	3106106.144			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.05	265622521.3	266707656.7	1085135.38	0.41
4,4'-DDE	0.00	0			
4,4'-DDD	6.73	1085135.382			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	490000148.1	491360942	1360793.92	0.28
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	1360793.915			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
 Data File : PL095780.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 08:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/28/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:24:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.884	66973541	80310874	21.226	20.519
28)	SA Decachlor...	9.098	8.059	51938784	97559275	22.042	22.302
Target Compounds							
2)	A alpha-BHC	4.023	3.394	48224897	56375868	9.948	9.625
3)	MA gamma-BHC...	4.354	3.727	44768290	54912782	10.011	9.804
6)	B beta-BHC	4.542	4.022	20485711	26052596	10.392	10.515m
14)	MA Endrin	6.600	5.780	163.4E6	243.9E6	50.639	50.020
16)	A 4,4'-DDD	6.729	5.924	1085135	1360794	0.370m	0.310m
17)	MA 4,4'-DDT	7.047	6.176	265.6E6	490.0E6	98.192	102.455
18)	B Endrin al...	6.939	6.249	329900	2089749	0.136m	0.605m#
20)	A Methoxychlor	7.518	6.746	318.4E6	536.1E6	249.690m	204.923
21)	B Endrin ke...	7.655	6.975	1891168	3106106	0.597m	0.600m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095780.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 08:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

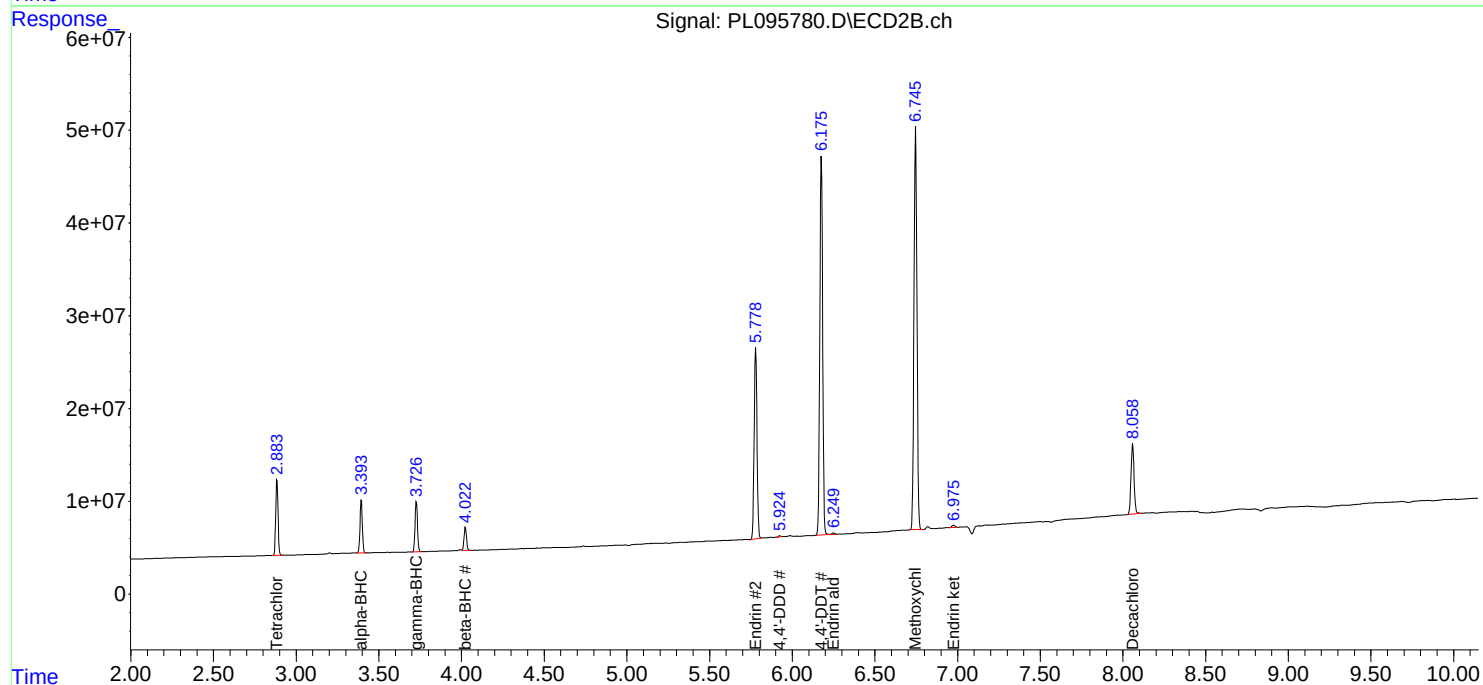
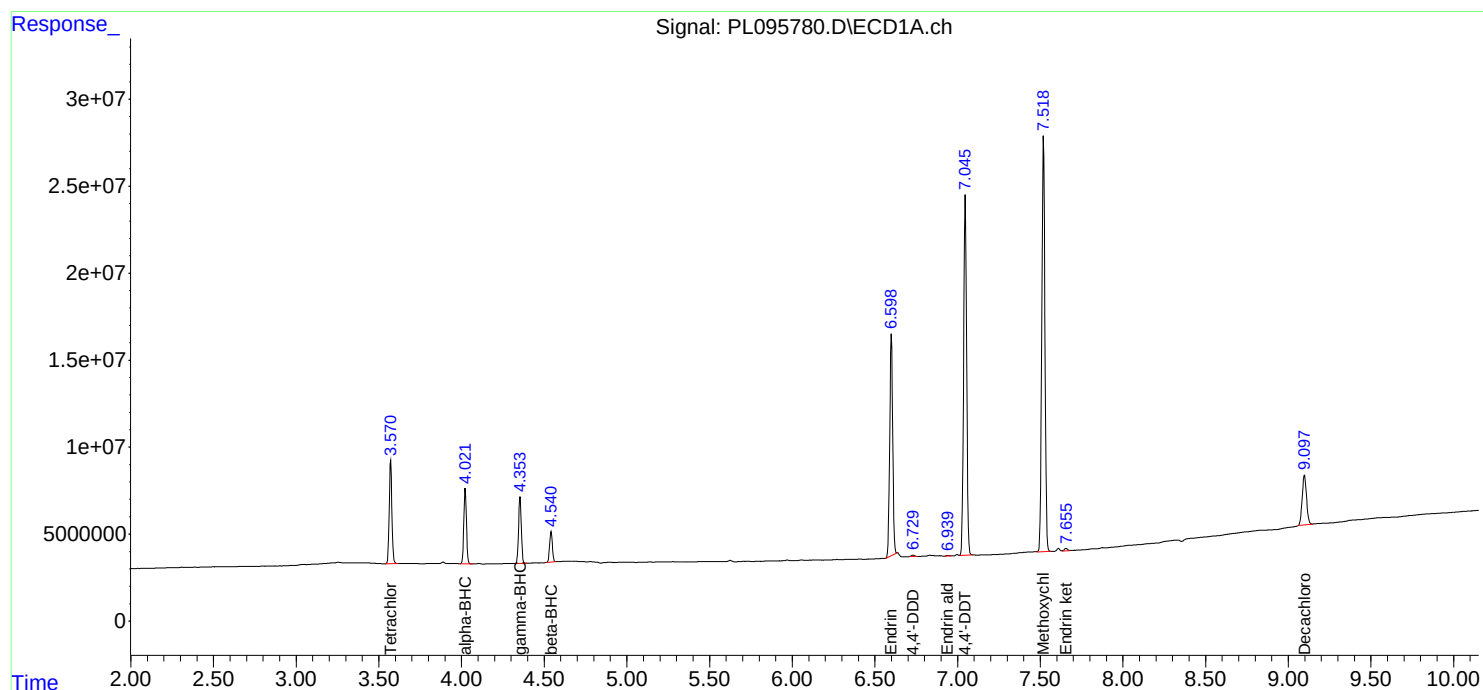
Instrument :
ECD_L
ClientSampleId :
PEM

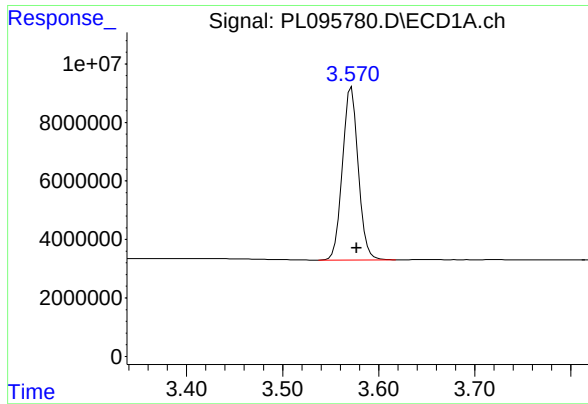
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/28/2025
Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:24:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





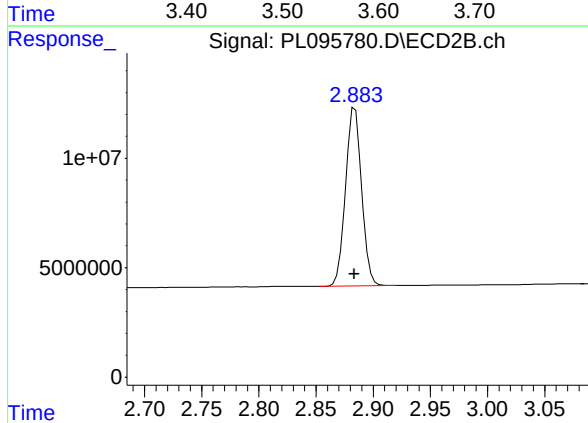
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 66973541
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

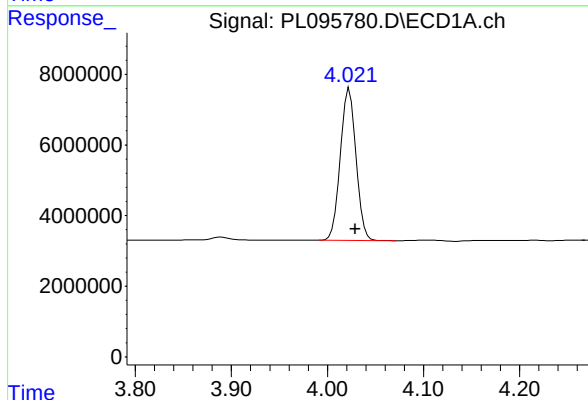
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



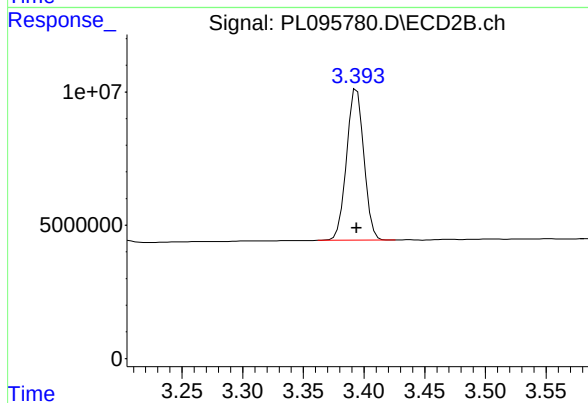
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 80310874
Conc: 20.52 ng/ml



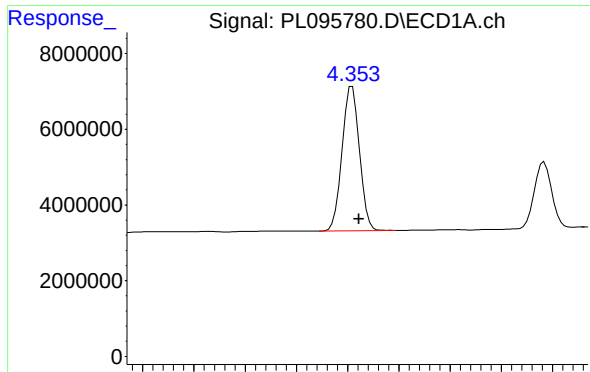
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 48224897
Conc: 9.95 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 56375868
Conc: 9.62 ng/ml



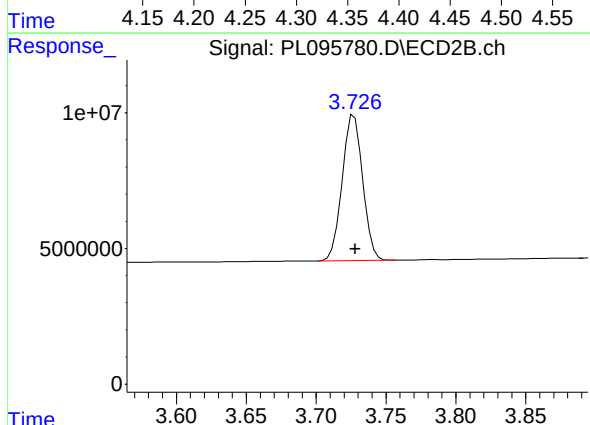
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: -0.007 min
Response: 44768290
Conc: 10.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

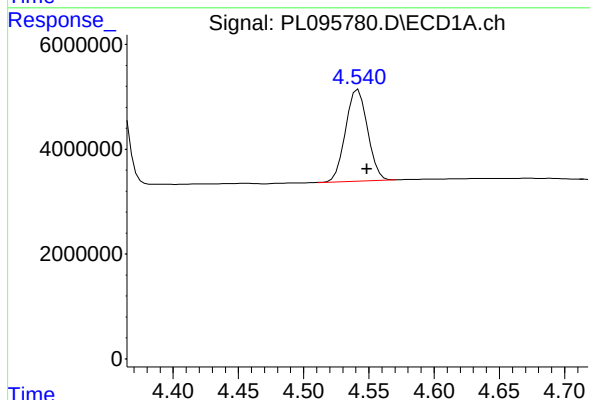
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



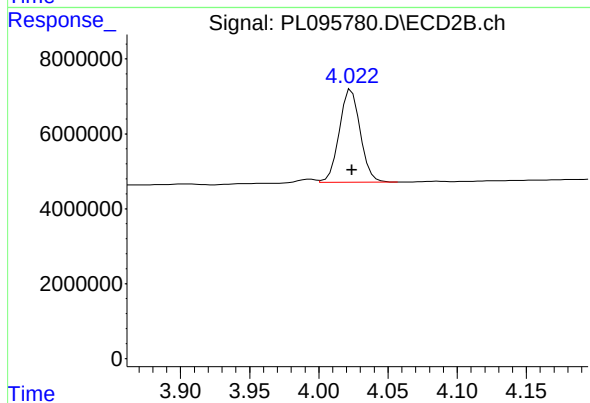
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 54912782
Conc: 9.80 ng/ml



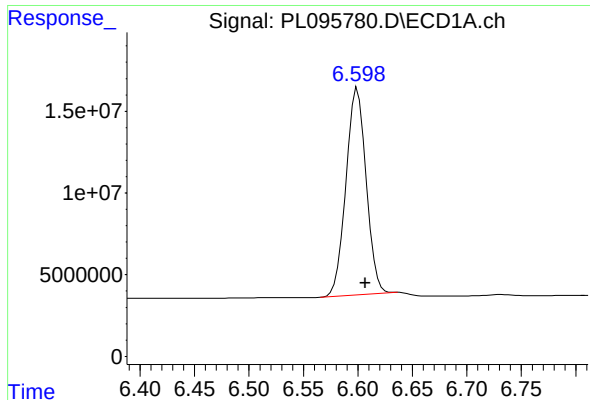
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.007 min
Response: 20485711
Conc: 10.39 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 26052596
Conc: 10.52 ng/ml m



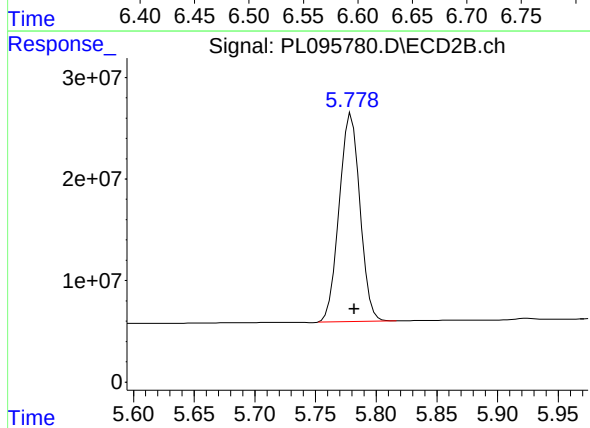
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 163398892
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

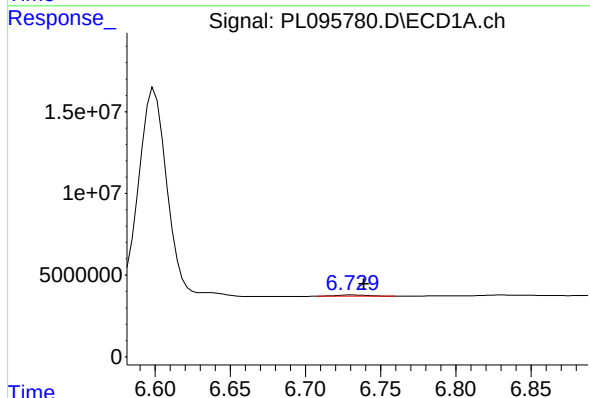
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



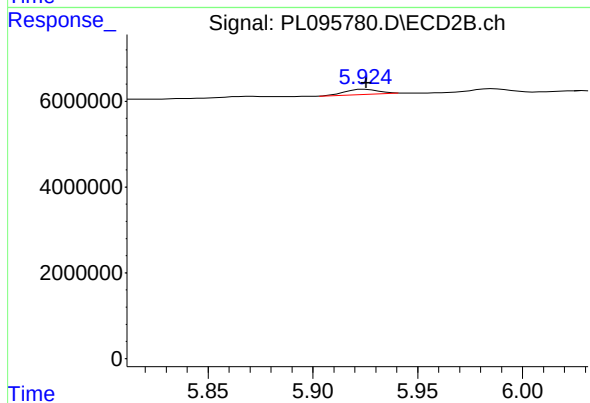
#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 243903577
Conc: 50.02 ng/ml



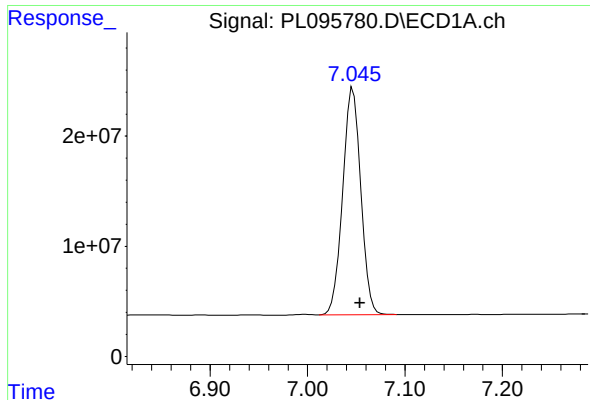
#16 4,4'-DDD

R.T.: 6.729 min
Delta R.T.: -0.009 min
Response: 1085135
Conc: 0.37 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 1360794
Conc: 0.31 ng/ml m



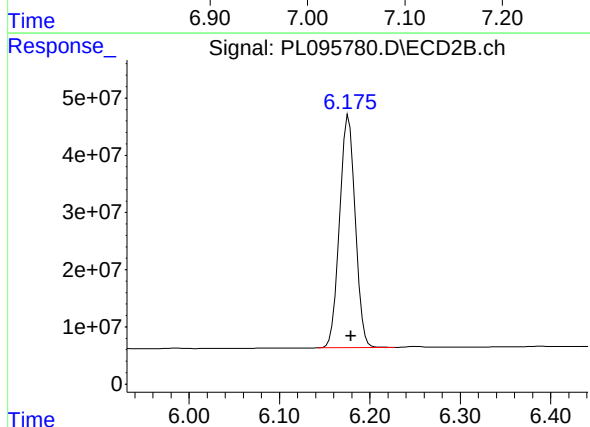
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 265622521
Conc: 98.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

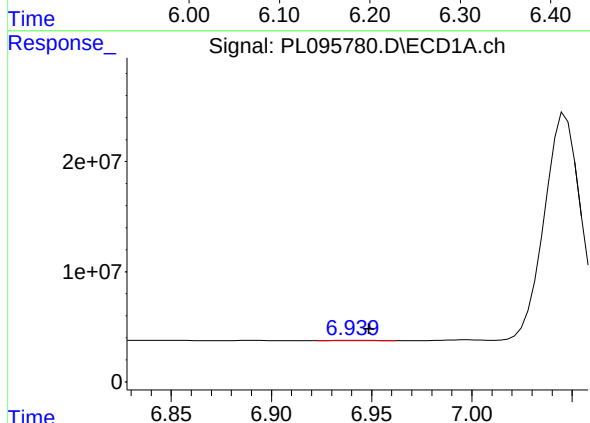
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



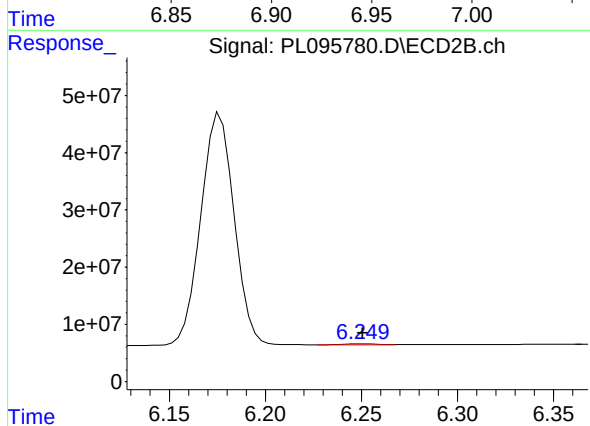
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 490000148
Conc: 102.45 ng/ml



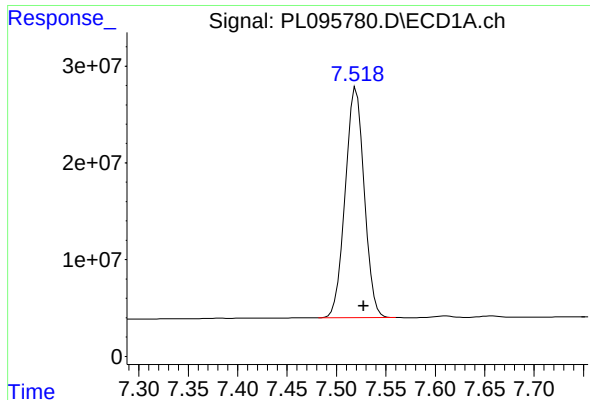
#18 Endrin aldehyde

R.T.: 6.939 min
Delta R.T.: -0.010 min
Response: 329900
Conc: 0.14 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 2089749
Conc: 0.60 ng/ml m



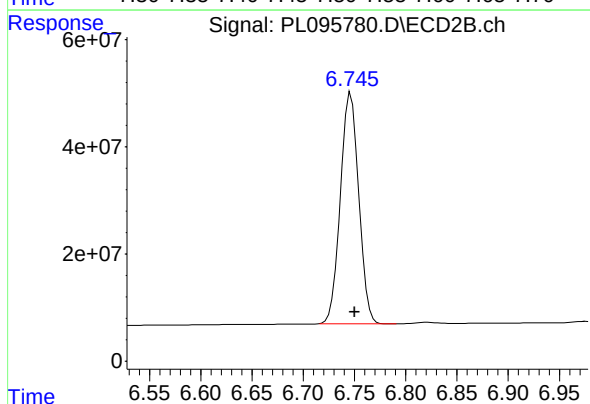
#20 Methoxychlor

R.T.: 7.518 min
Delta R.T.: -0.009 min
Response: 318435637
Conc: 249.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

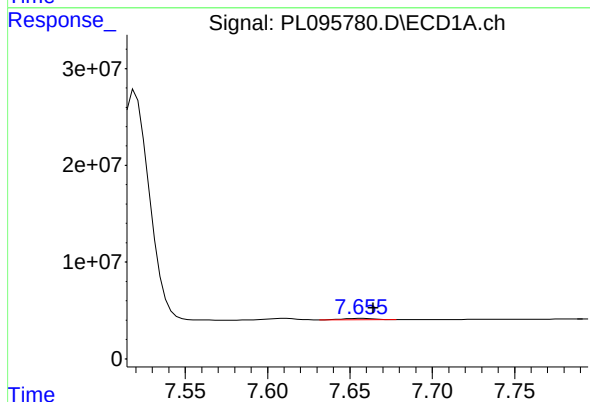
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



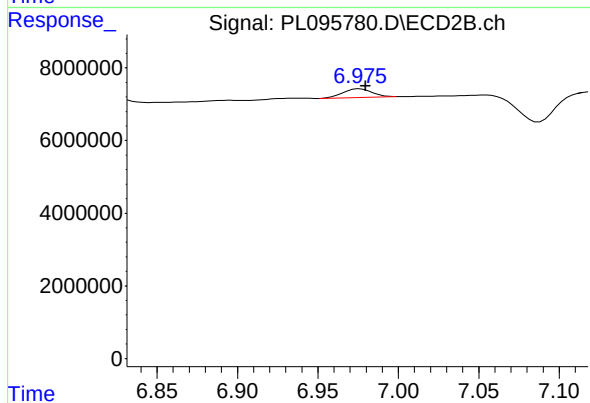
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 536101611
Conc: 204.92 ng/ml



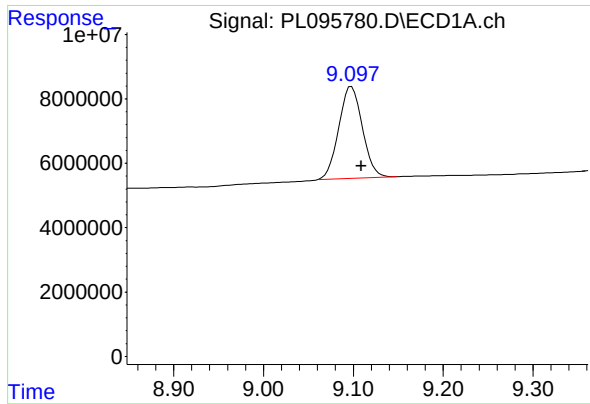
#21 Endrin ketone

R.T.: 7.655 min
Delta R.T.: -0.009 min
Response: 1891168
Conc: 0.60 ng/ml m



#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.005 min
Response: 3106106
Conc: 0.60 ng/ml m



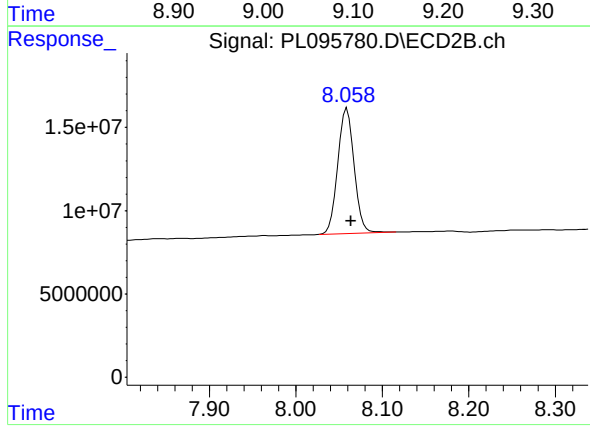
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 51938784
Conc: 22.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 97559275
Conc: 22.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Title : GC Extractables
Last Update : Thu May 22 06:29:30 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.573	5.972	100.00%
5.972	6.101	100.00%
6.101	6.224	100.00%
6.224	6.374	100.00%
6.374	7.178	100.00%
7.178	7.522	100.00%
7.522	7.659	100.00%
7.659	9.103	100.00%

Signal #2

2.886	5.123	100.00%
5.123	5.243	100.00%
5.243	5.374	100.00%
5.374	5.508	100.00%
5.508	6.475	100.00%
6.475	6.751	100.00%
6.751	6.980	100.00%
6.980	8.064	100.00%

PL052125.M Thu May 22 06:45:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095734.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:14
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:32:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	60022861	73415307	19.023	18.757
28)	SA Decachlor...	9.103	8.064	45572921	81946227	19.341	18.733
Target Compounds							
9)	A Endosulfan I	6.101	5.241	31518593	40595374	8.600	8.520m
10)	B gamma-Chl...	5.972	5.123	35297875	47615649	9.069	9.065
12)	B 4,4'-DDE	6.224	5.374	68142524	100.3E6	18.578	18.705
13)	MA Dieldrin	6.374	5.508	70647803	96307968	18.306	18.171
19)	B Endosulfa...	7.178	6.475	56140155	83285792	18.795	18.530
20)	A Methoxychlor	7.522	6.751	116.9E6	235.1E6	91.656	89.874
21)	B Endrin ke...	7.658	6.980	58357832	95098278	18.427m	18.380

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

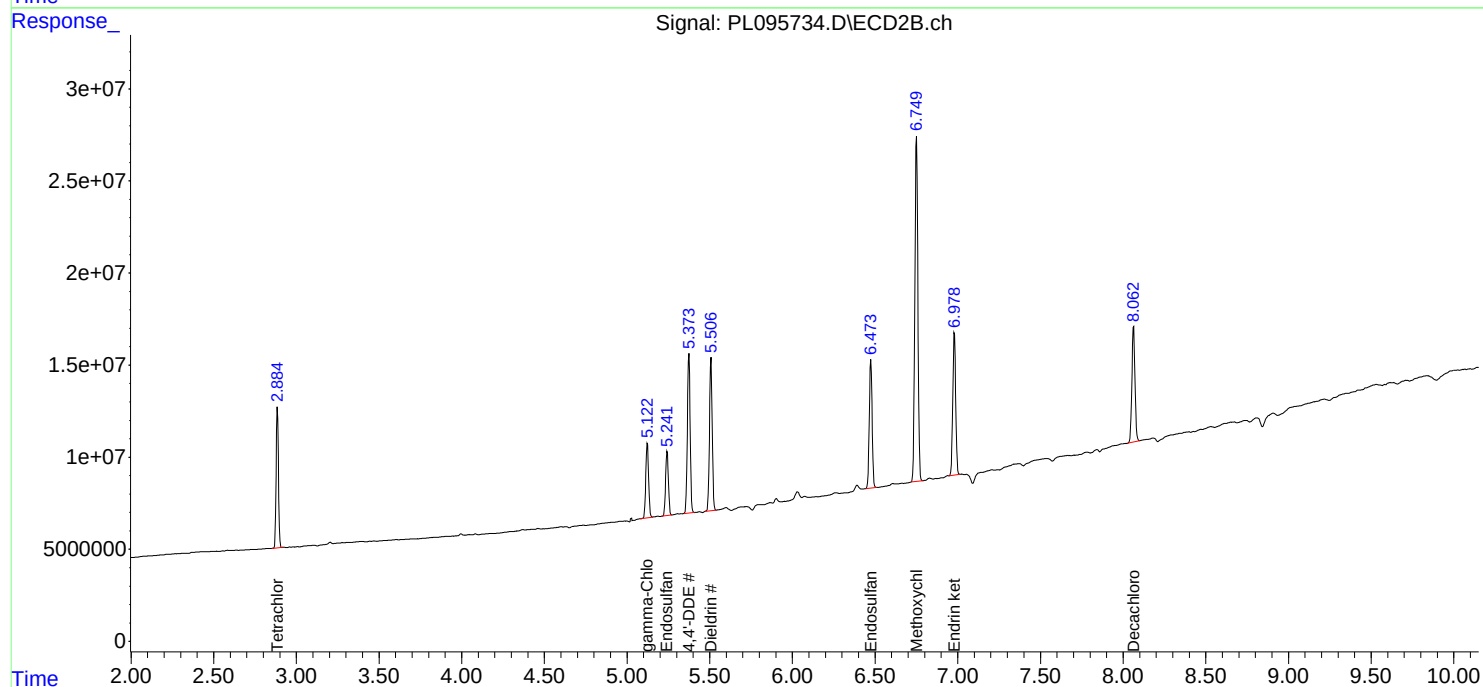
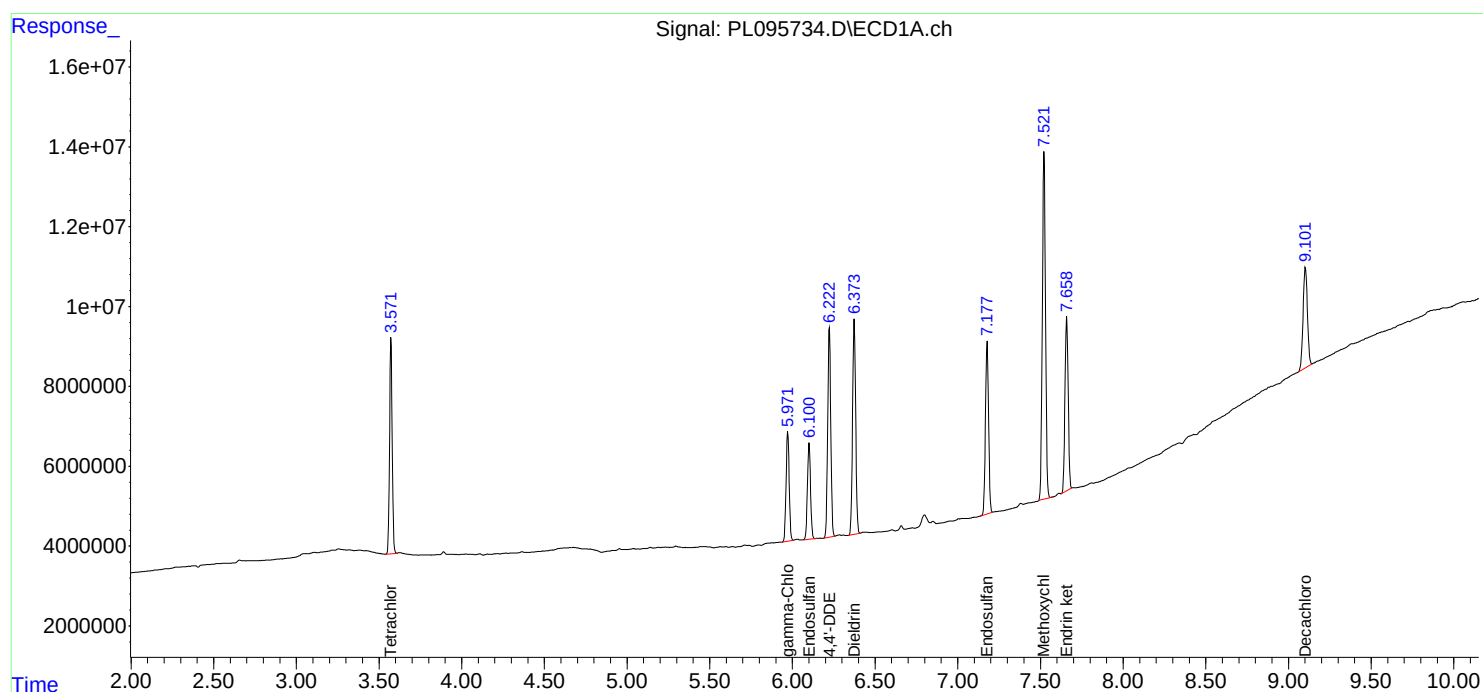
Instrument :
ECD_L
ClientSampleId :
RESCHK

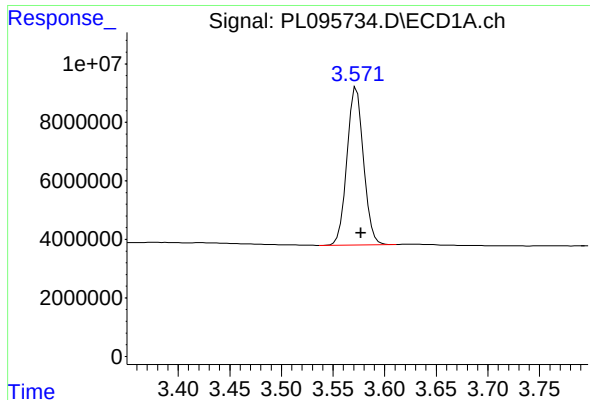
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/22/2025
Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





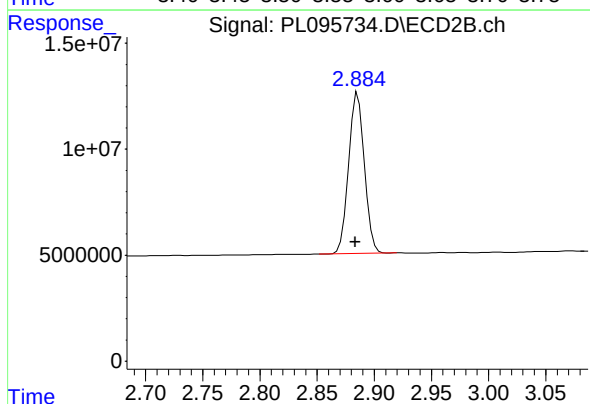
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 60022861
Conc: 19.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

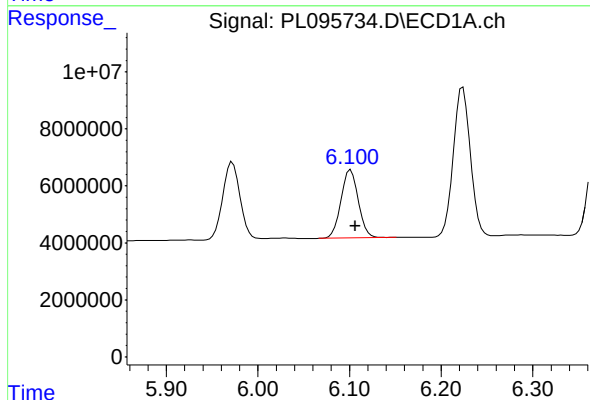
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



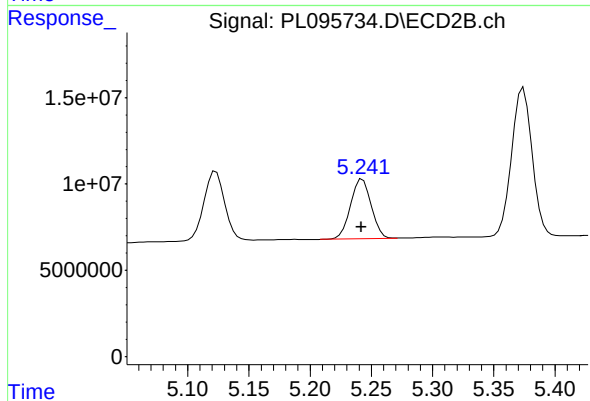
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 73415307
Conc: 18.76 ng/ml



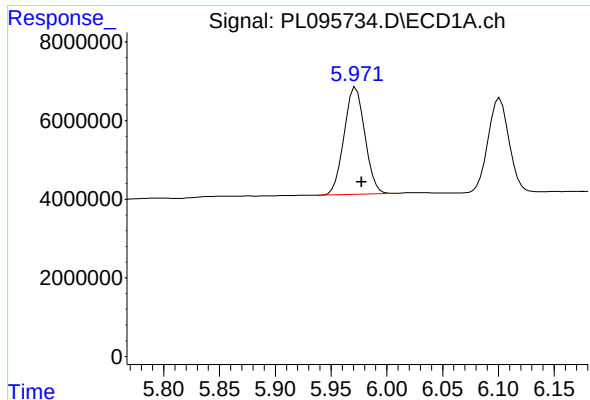
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 31518593
Conc: 8.60 ng/ml



#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 40595374
Conc: 8.52 ng/ml m



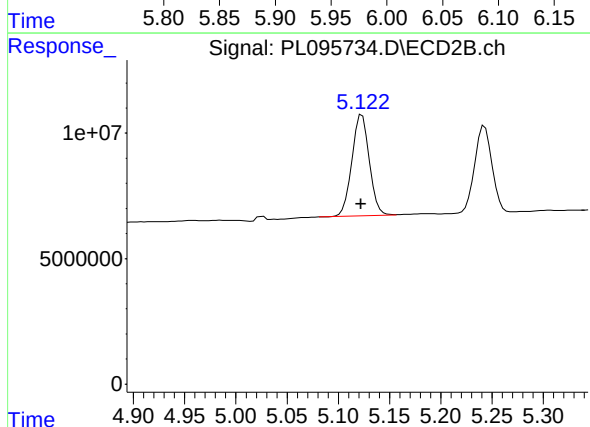
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 35297875
Conc: 9.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

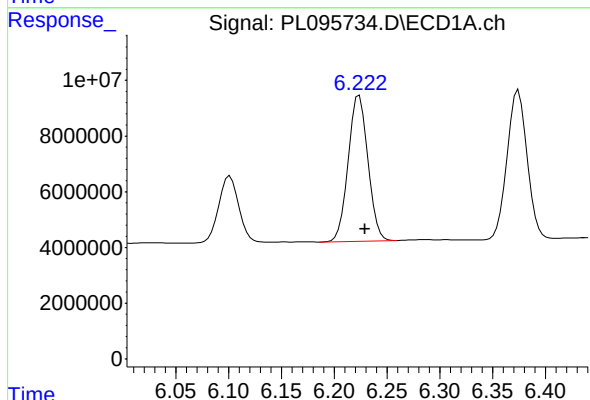
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



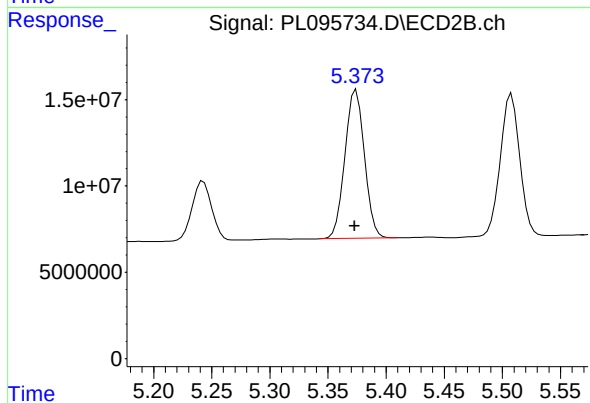
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 47615649
Conc: 9.06 ng/ml



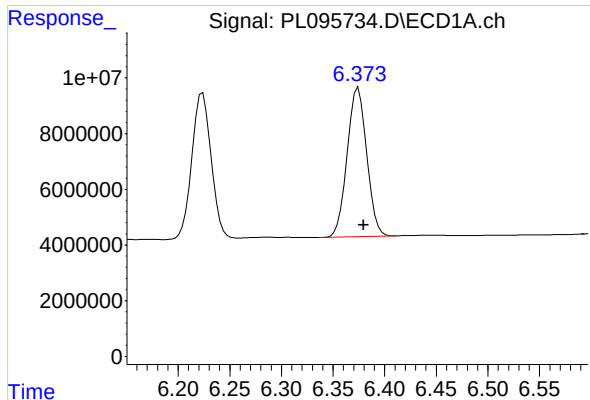
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 68142524
Conc: 18.58 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.001 min
Response: 100301192
Conc: 18.71 ng/ml



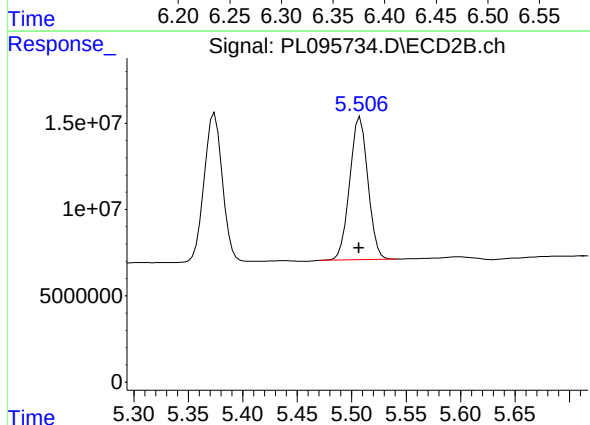
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.005 min
Response: 70647803
Conc: 18.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

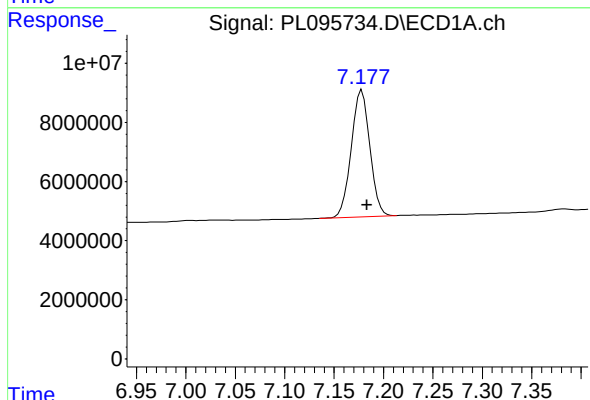
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



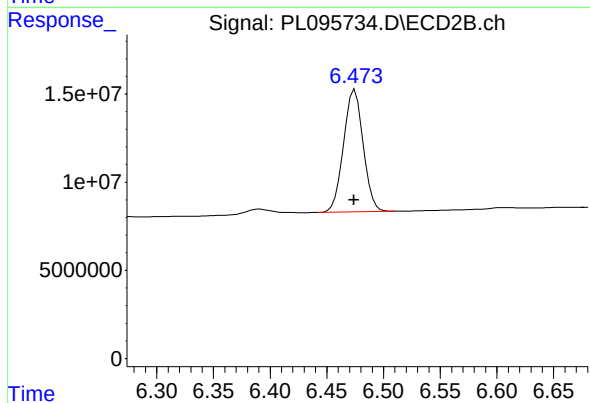
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.001 min
Response: 96307968
Conc: 18.17 ng/ml



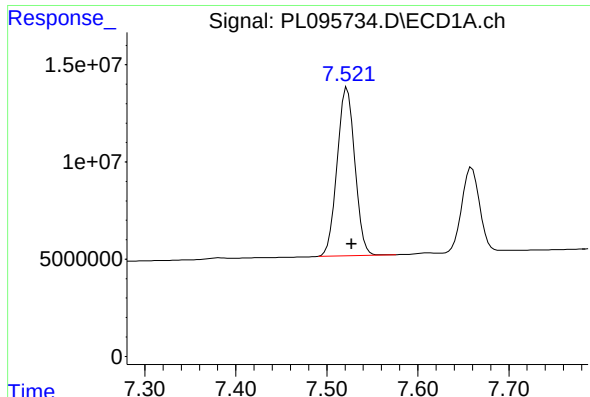
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: -0.005 min
Response: 56140155
Conc: 18.80 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 83285792
Conc: 18.53 ng/ml



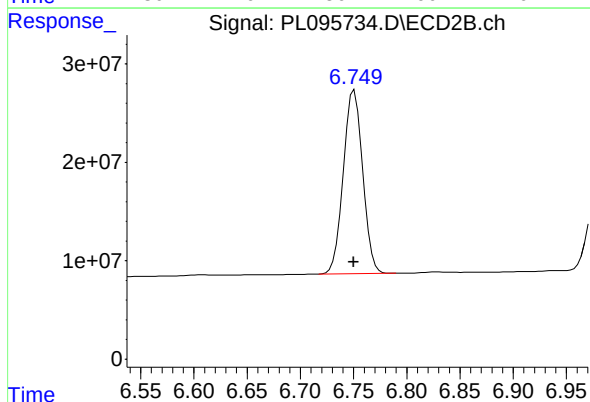
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.005 min
Response: 116890687
Conc: 91.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

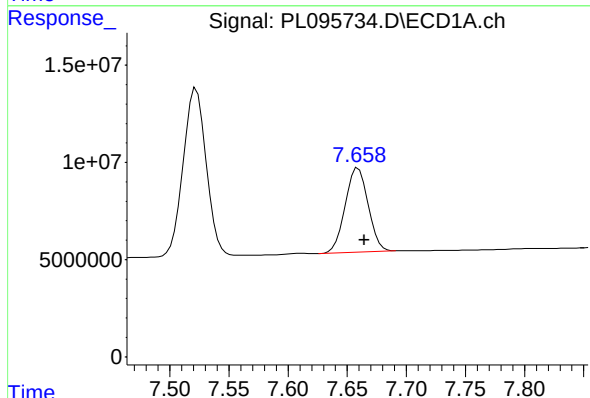
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



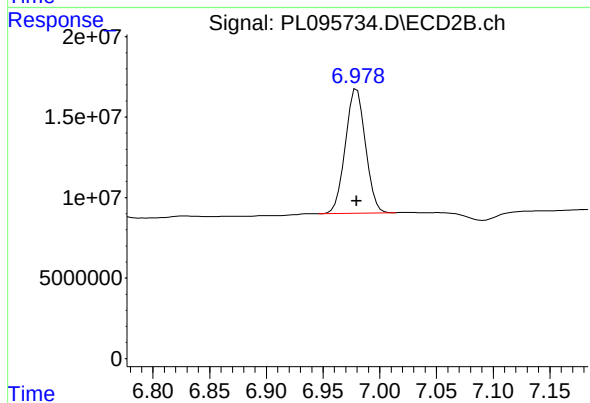
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 235119073
Conc: 89.87 ng/ml



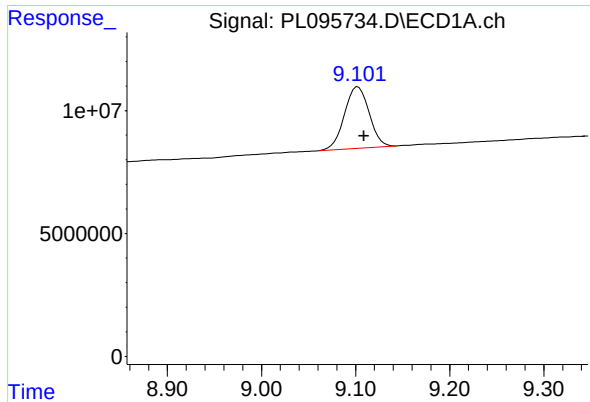
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.006 min
Response: 58357832
Conc: 18.43 ng/ml m



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 95098278
Conc: 18.38 ng/ml



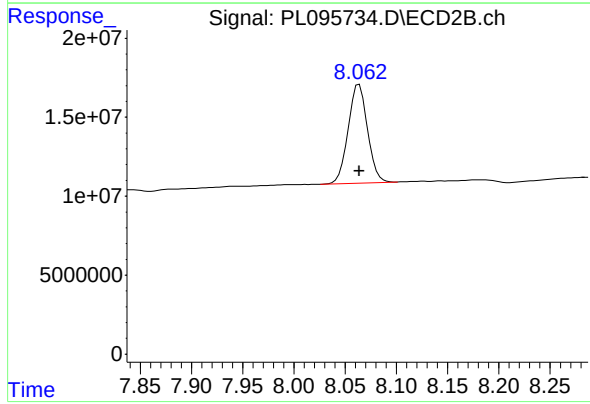
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 45572921
Conc: 19.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 81946227
Conc: 18.73 ng/ml

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1872
Project: NJ Soil PT	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 05/21/2025 05/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
IBLK	IBLK	05/27/2025	08:37	PL095779.D	9.10	3.57
PEM	PEM	05/27/2025	08:51	PL095780.D	9.10	3.57
PSTDCCC050	PSTDCCC050	05/27/2025	09:04	PL095781.D	9.10	3.57
PB168151BL	PB168151BL	05/27/2025	09:24	PL095782.D	9.10	3.58
PB168151BS	PB168151BS	05/27/2025	10:01	PL095783.D	9.10	3.58
HW0425-PT-PEST-SOIL	Q1872-20	05/27/2025	10:16	PL095784.D	9.10	3.57
HW0425-PT-PEST-SOILDL	Q1872-20DL	05/27/2025	10:52	PL095785.D	9.11	3.58
TP-02-MHFMS	Q2109-01MS	05/27/2025	11:58	PL095789.D	9.10	3.57
TP-02-MHFMSD	Q2109-01MSD	05/27/2025	12:12	PL095790.D	9.10	3.57
IBLK	IBLK	05/27/2025	12:42	PL095791.D	9.10	3.58
PSTDCCC050	PSTDCCC050	05/27/2025	13:19	PL095792.D	9.10	3.58

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1872
Project: NJ Soil PT	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/21/2025 05/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
IBLK	IBLK	05/27/2025	08:37	PL095779.D	8.06	2.88
PEM	PEM	05/27/2025	08:51	PL095780.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/27/2025	09:04	PL095781.D	8.06	2.89
PB168151BL	PB168151BL	05/27/2025	09:24	PL095782.D	8.06	2.88
PB168151BS	PB168151BS	05/27/2025	10:01	PL095783.D	8.06	2.88
HW0425-PT-PEST-SOIL	Q1872-20	05/27/2025	10:16	PL095784.D	8.06	2.88
HW0425-PT-PEST-SOILDL	Q1872-20DL	05/27/2025	10:52	PL095785.D	8.06	2.88
TP-02-MHFMS	Q2109-01MS	05/27/2025	11:58	PL095789.D	8.06	2.88
TP-02-MHFMSD	Q2109-01MSD	05/27/2025	12:12	PL095790.D	8.06	2.88
IBLK	IBLK	05/27/2025	12:42	PL095791.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/27/2025	13:19	PL095792.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-PEST-SOIL

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q1872-20

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.73	6.68	6.78	210	4.9
	2	5.92	5.87	5.97	200	
Endosulfan II	1	6.81	6.76	6.86	142	2.1
	2	6.07	6.02	6.12	139	
4,4'-DDT	1	7.05	7.00	7.10	110	8.5
	2	6.18	6.13	6.23	101	
Endrin aldehyde	1	6.94	6.89	6.99	100	0
	2	6.25	6.20	6.30	100	
Endosulfan sulfate	1	7.18	7.13	7.23	76.6	3.9
	2	6.47	6.42	6.52	73.7	
Methoxychlor	1	7.52	7.47	7.57	102	15.2
	2	6.75	6.70	6.80	87.6	
Endrin ketone	1	7.66	7.61	7.71	224	12.8
	2	6.98	6.93	7.03	197	
alpha-BHC	1	4.03	3.98	4.08	50.9	1.4
	2	3.39	3.34	3.44	50.2	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	143	4.3
	2	3.73	3.68	3.78	137	
Heptachlor	1	4.96	4.91	5.01	236	12.6
	2	4.08	4.03	4.13	208	
Aldrin	1	5.30	5.25	5.35	75.0	0.3
	2	4.36	4.31	4.41	74.8	
beta-BHC	1	4.54	4.49	4.59	317	5.5
	2	4.02	3.97	4.07	300	
delta-BHC	1	4.79	4.74	4.84	148	4.8
	2	4.26	4.21	4.31	141	
Heptachlor epoxide	1	5.72	5.67	5.77	169	6.1
	2	4.87	4.82	4.92	159	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-PEST-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-20

Date(s) Analyzed: 05/27/2025 05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.10	6.05	6.15	279	9.4
	2	5.24	5.19	5.29	254	
gamma-Chlordane	1	5.97	5.92	6.02	274	9.6
	2	5.12	5.07	5.17	249	
alpha-Chlordane	1	6.05	6.00	6.10	200	7.3
	2	5.18	5.13	5.23	186	
4,4'-DDE	1	6.22	6.17	6.27	245	11.7
	2	5.37	5.32	5.42	218	
Dieldrin	1	6.38	6.33	6.43	270	12.6
	2	5.50	5.45	5.55	238	
Endrin	1	6.60	6.55	6.65	164	12.3
	2	5.78	5.73	5.83	145	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-PEST-SOILDL

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q1872-20DL

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.74	6.69	6.79	198	1
	2	5.92	5.87	5.97	200	
4,4'-DDT	1	7.05	7.00	7.10	102	7.7
	2	6.17	6.12	6.22	94.4	
alpha-BHC	1	4.03	3.98	4.08	44.5	1.6
	2	3.39	3.34	3.44	43.8	
Aldrin	1	5.30	5.25	5.35	70.3	3.5
	2	4.36	4.31	4.41	67.9	
beta-BHC	1	4.55	4.50	4.60	308	0.3
	2	4.02	3.97	4.07	307	
delta-BHC	1	4.80	4.75	4.85	132	3.1
	2	4.25	4.20	4.30	128	
Endosulfan I	1	6.10	6.05	6.15	286	1.8
	2	5.24	5.19	5.29	281	
alpha-Chlordane	1	6.06	6.01	6.11	189	2.7
	2	5.18	5.13	5.23	184	
4,4'-DDE	1	6.23	6.18	6.28	228	4
	2	5.37	5.32	5.42	219	
Dieldrin	1	6.38	6.33	6.43	263	3.5
	2	5.50	5.45	5.55	254	
Endosulfan II	1	6.82	6.77	6.87	143	2.8
	2	6.07	6.02	6.12	139	
Endrin aldehyde	1	6.95	6.90	7.00	102	1
	2	6.25	6.20	6.30	101	
Endosulfan sulfate	1	7.18	7.13	7.23	77.5	6.4
	2	6.47	6.42	6.52	72.7	
Methoxychlor	1	7.53	7.48	7.58	102	10
	2	6.74	6.69	6.79	92.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-PEST-SOILDL

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q1872-20DL

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	7.66	7.61	7.71	220	0
	2	6.97	6.92	7.02	220	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	127	1.6
	2	3.72	3.67	3.77	125	
Heptachlor	1	4.96	4.91	5.01	229	4.5
	2	4.08	4.03	4.13	219	
Heptachlor epoxide	1	5.72	5.67	5.77	170	3
	2	4.86	4.81	4.91	165	
gamma-Chlordane	1	5.98	5.93	6.03	254	3.6
	2	5.12	5.07	5.17	245	
Endrin	1	6.61	6.56	6.66	156	5.3
	2	5.78	5.73	5.83	148	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168151BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: PB168151BS

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.74	6.69	6.79	15.2	1.3
	2	5.92	5.87	5.97	15.4	
4,4'-DDE	1	6.23	6.18	6.28	15.6	1.9
	2	5.37	5.32	5.42	15.3	
4,4'-DDT	1	7.05	7.00	7.10	15.4	2
	2	6.18	6.13	6.23	15.1	
alpha-BHC	1	4.03	3.98	4.08	15.3	1.3
	2	3.39	3.34	3.44	15.1	
Aldrin	1	5.30	5.25	5.35	15.6	1.9
	2	4.36	4.31	4.41	15.3	
alpha-Chlordane	1	6.06	6.01	6.11	15.6	1.9
	2	5.18	5.13	5.23	15.3	
Endosulfan II	1	6.82	6.77	6.87	15.2	1.3
	2	6.07	6.02	6.12	15.4	
Endosulfan sulfate	1	7.18	7.13	7.23	15.5	2
	2	6.47	6.42	6.52	15.2	
beta-BHC	1	4.55	4.50	4.60	15.0	2
	2	4.02	3.97	4.07	14.7	
delta-BHC	1	4.80	4.75	4.85	15.0	0.7
	2	4.26	4.21	4.31	14.9	
Endosulfan I	1	6.10	6.05	6.15	15.5	1.3
	2	5.24	5.19	5.29	15.3	
Dieldrin	1	6.38	6.33	6.43	15.7	2.6
	2	5.50	5.45	5.55	15.3	
Endrin aldehyde	1	6.95	6.90	7.00	15.6	0
	2	6.25	6.20	6.30	15.6	
Methoxychlor	1	7.53	7.48	7.58	15.9	10.6
	2	6.75	6.70	6.80	14.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168151BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: PB168151BS

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	7.66	7.61	7.71	15.5	0.6
	2	6.98	6.93	7.03	15.4	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	15.1	0.7
	2	3.73	3.68	3.78	15.0	
Heptachlor	1	4.96	4.91	5.01	15.2	2.7
	2	4.08	4.03	4.13	14.8	
Heptachlor epoxide	1	5.72	5.67	5.77	15.6	2.6
	2	4.87	4.82	4.92	15.2	
gamma-Chlordane	1	5.98	5.93	6.03	15.9	3.2
	2	5.12	5.07	5.17	15.4	
Endrin	1	6.61	6.56	6.66	15.1	2
	2	5.78	5.73	5.83	14.8	
Mirex	1	8.14	8.09	8.19	15.9	0.6
	2	7.17	7.12	7.22	15.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-02-MHFMS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2109-01MS

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.81	6.76	6.86	13.8	0
	2	6.07	6.02	6.12	13.8	
4,4'-DDD	1	6.73	6.68	6.78	13.8	4.3
	2	5.92	5.87	5.97	14.4	
4,4'-DDT	1	7.05	7.00	7.10	13.6	12.5
	2	6.17	6.12	6.22	12.0	
Endrin aldehyde	1	6.94	6.89	6.99	14.4	1.4
	2	6.25	6.20	6.30	14.2	
Endosulfan sulfate	1	7.17	7.12	7.22	14.1	14.4
	2	6.47	6.42	6.52	12.2	
Methoxychlor	1	7.52	7.47	7.57	12.8	11.6
	2	6.75	6.70	6.80	11.4	
Endrin ketone	1	7.65	7.60	7.70	14.3	27.9
	2	6.97	6.92	7.02	10.8	
alpha-BHC	1	4.02	3.97	4.07	15.4	1.9
	2	3.39	3.34	3.44	15.7	
gamma-BHC (Lindane)	1	4.35	4.30	4.40	16.0	7.1
	2	3.73	3.68	3.78	14.9	
Heptachlor	1	4.95	4.90	5.00	14.9	0
	2	4.08	4.03	4.13	14.9	
Aldrin	1	5.29	5.24	5.34	15.4	0.7
	2	4.37	4.32	4.42	15.3	
beta-BHC	1	4.54	4.49	4.59	9.20	56.8
	2	4.02	3.97	4.07	16.5	
delta-BHC	1	4.79	4.74	4.84	15.7	8.6
	2	4.26	4.21	4.31	14.4	
Heptachlor epoxide	1	5.72	5.67	5.77	14.7	4.7
	2	4.87	4.82	4.92	15.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-02-MHFMS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2109-01MS

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.10	6.05	6.15	16.2	22.7
	2	5.24	5.19	5.29	12.9	
gamma-Chlordane	1	5.97	5.92	6.02	15.6	6.6
	2	5.12	5.07	5.17	14.6	
alpha-Chlordane	1	6.05	6.00	6.10	15.3	6.8
	2	5.18	5.13	5.23	14.3	
4,4'-DDE	1	6.22	6.17	6.27	10.7	23.9
	2	5.37	5.32	5.42	13.6	
Dieldrin	1	6.37	6.32	6.42	14.5	4.2
	2	5.50	5.45	5.55	13.9	
Endrin	1	6.60	6.55	6.65	12.9	5.3
	2	5.78	5.73	5.83	13.6	
Mirex	1	8.14	8.09	8.19	14.8	23.4
	2	7.17	7.12	7.22	11.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-02-MHFMSD

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2109-01MSD

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor	1	4.95	4.90	5.00	15.1	0.7
	2	4.08	4.03	4.13	15.2	
Aldrin	1	5.29	5.24	5.34	15.6	1.3
	2	4.37	4.32	4.42	15.8	
beta-BHC	1	4.54	4.49	4.59	9.90	51.1
	2	4.02	3.97	4.07	16.7	
delta-BHC	1	4.79	4.74	4.84	16.0	0.6
	2	4.26	4.21	4.31	15.9	
Heptachlor epoxide	1	5.72	5.67	5.77	15.0	7.7
	2	4.87	4.82	4.92	16.2	
Endosulfan I	1	6.10	6.05	6.15	16.6	37.1
	2	5.24	5.19	5.29	11.4	
gamma-Chlordane	1	5.97	5.92	6.02	16.1	7.1
	2	5.12	5.07	5.17	15.0	
alpha-Chlordane	1	6.05	6.00	6.10	15.8	8.6
	2	5.18	5.13	5.23	14.5	
4,4'-DDE	1	6.22	6.17	6.27	10.8	25.8
	2	5.37	5.32	5.42	14.0	
Dieldrin	1	6.37	6.32	6.42	14.7	9.1
	2	5.50	5.45	5.55	16.1	
Endrin	1	6.60	6.55	6.65	13.0	12.3
	2	5.78	5.73	5.83	14.7	
Mirex	1	8.14	8.09	8.19	28.1	80.3
	2	7.17	7.12	7.22	12.0	
Endosulfan II	1	6.81	6.76	6.86	13.9	6.3
	2	6.07	6.02	6.12	14.8	
4,4'-DDD	1	6.73	6.68	6.78	14.3	0.7
	2	5.92	5.87	5.97	14.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-02-MHFMSD

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2109-01MSD

Date(s) Analyzed: 05/27/2025

05/27/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.05	7.00	7.10	13.8	10.7
	2	6.18	6.13	6.23	12.4	
Endrin aldehyde	1	6.94	6.89	6.99	14.9	5.5
	2	6.25	6.20	6.30	14.1	
Endosulfan sulfate	1	7.18	7.13	7.23	14.3	12.6
	2	6.47	6.42	6.52	12.6	
Methoxychlor	1	7.52	7.47	7.57	13.0	10.5
	2	6.75	6.70	6.80	11.7	
Endrin ketone	1	7.66	7.61	7.71	15.6	32
	2	6.97	6.92	7.02	11.3	
alpha-BHC	1	4.02	3.97	4.07	15.4	5.1
	2	3.39	3.34	3.44	16.2	
gamma-BHC (Lindane)	1	4.35	4.30	4.40	16.3	7.6
	2	3.73	3.68	3.78	15.1	



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168151BL	SDG No.:	Q1872
Lab Sample ID:	PB168151BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095782.D	1	05/23/25 09:19	05/27/25 09:24	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
2385-85-5	Mirex	0.17	U	0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		19 - 148	98%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB168151BL		SDG No.:	Q1872	
Lab Sample ID:	PB168151BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095782.D	1	05/23/25 09:19	05/27/25 09:24	PB168151

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_L\Data\PL052725\
Data File : PL095782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 09:24
Operator : AR\AJ
Sample : PB168151BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168151BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:25:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.576	2.882	61613146	72201714	19.527	18.447
28) SA Decachlor...	9.104	8.059	47753694	90469133	20.266	20.681

Target Compounds

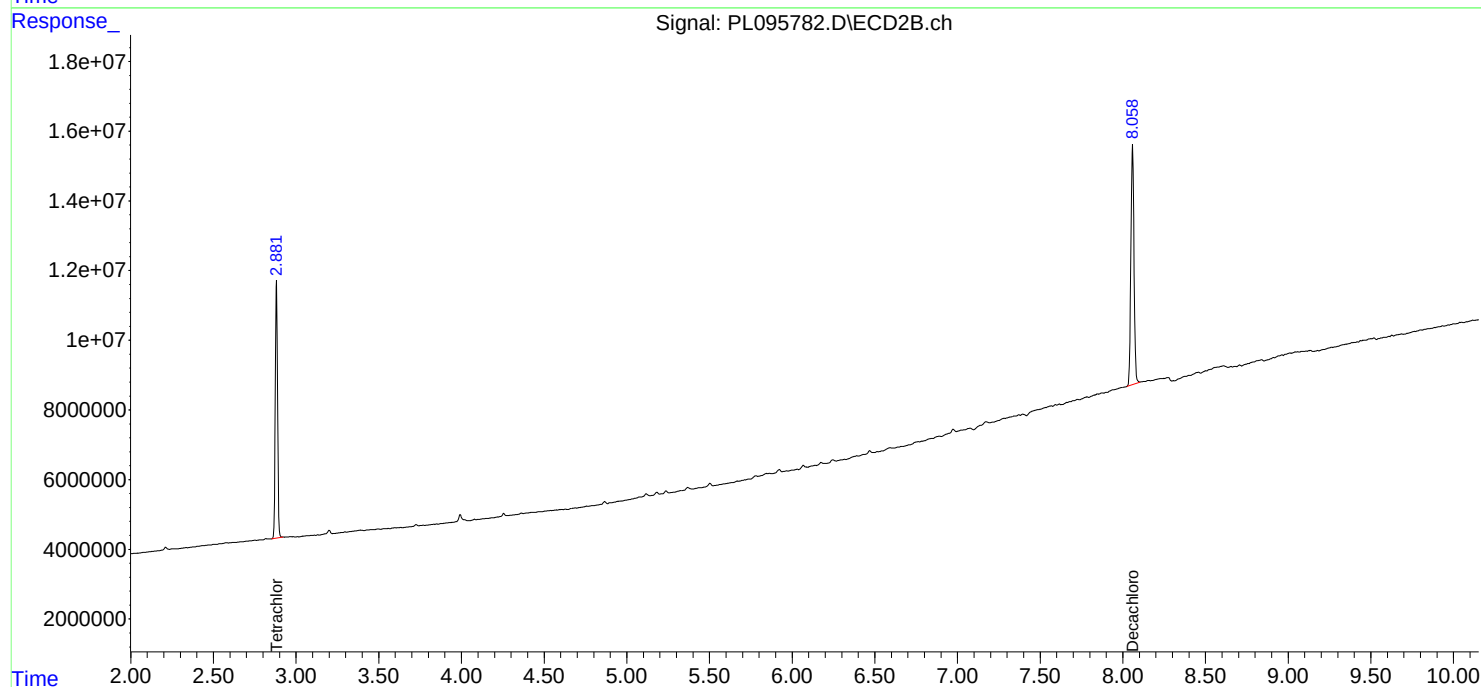
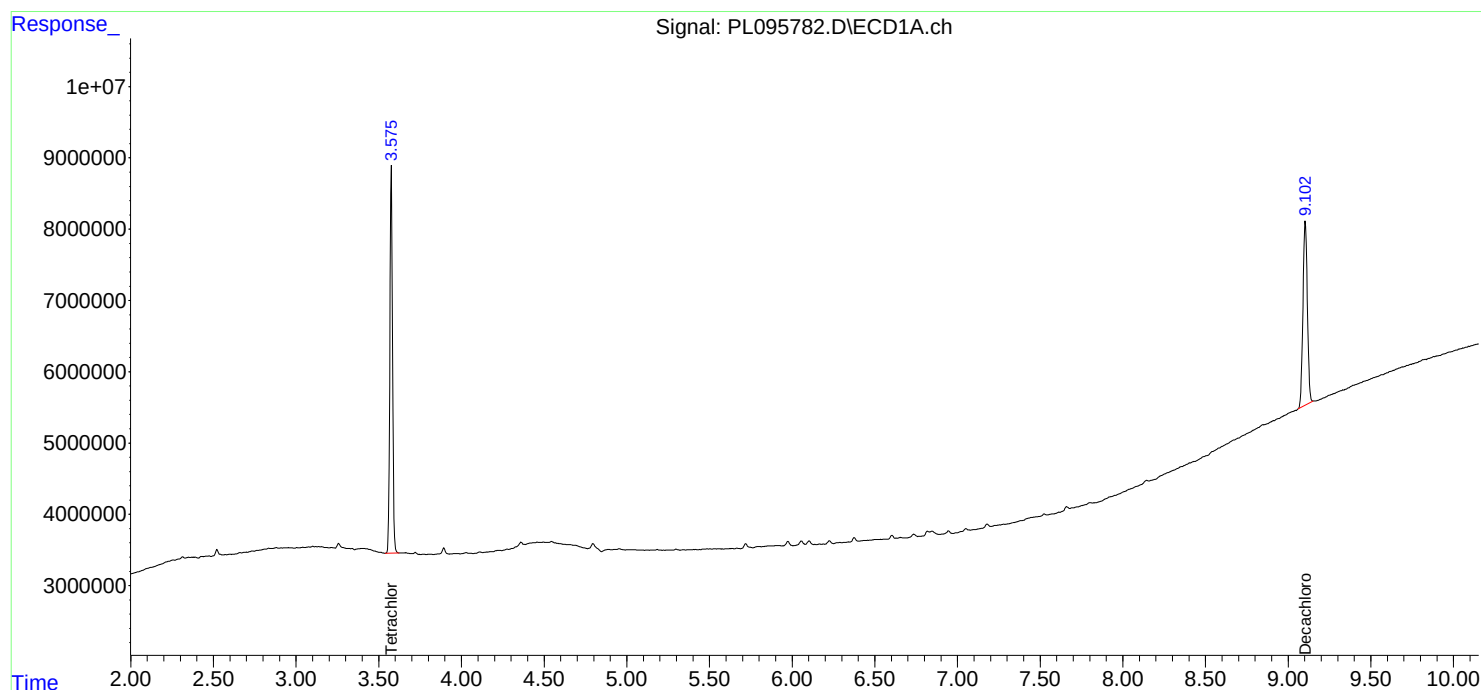
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

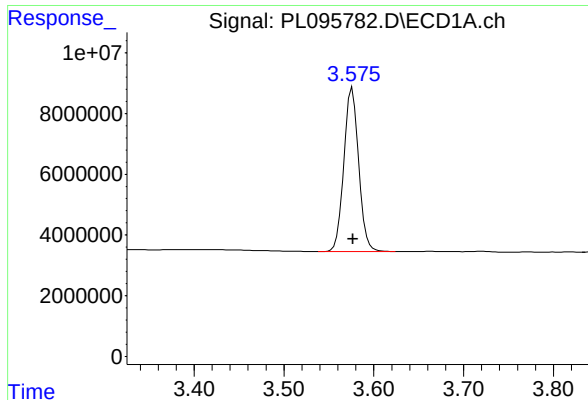
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 09:24
Operator : AR\AJ
Sample : PB168151BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168151BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:25:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

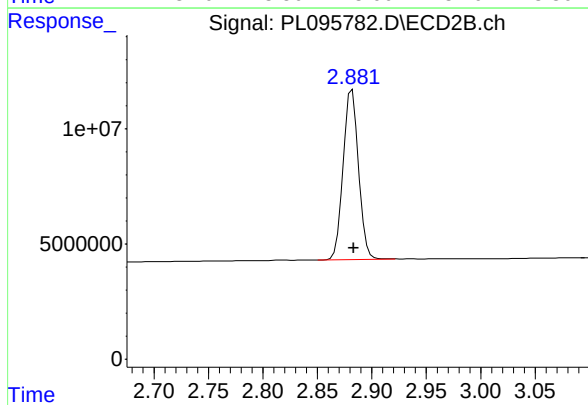




#1 Tetrachloro-m-xylene

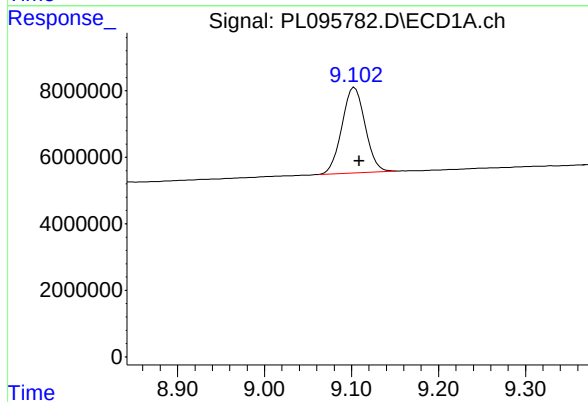
R.T.: 3.576 min
Delta R.T.: 0.000 min
Response: 61613146
Conc: 19.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BL



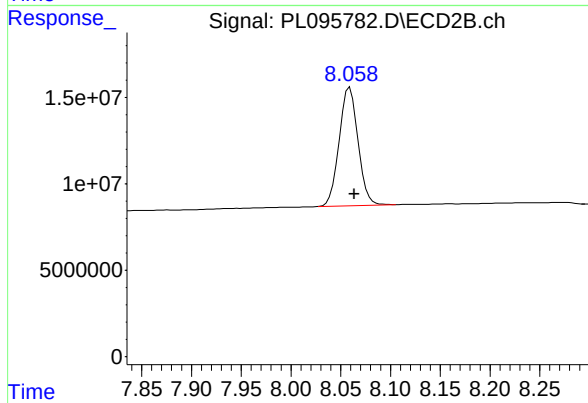
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 72201714
Conc: 18.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 47753694
Conc: 20.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 90469133
Conc: 20.68 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	05/21/25	
Project:	NJ Soil PT			Date Received:	05/21/25	
Client Sample ID:	PIBLK-PL095732.D			SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095732.D			Matrix:	WATER	
Analytical Method:	8081B			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095732.D	1		05/21/25	PL052125

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
2385-85-5	Mirex	0.0040	U	0.0040	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		43 - 140	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		77 - 126	82%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/21/25	
Project:	NJ Soil PT		Date Received:	05/21/25	
Client Sample ID:	PIBLK-PL095732.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095732.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095732.D	1		05/21/25	PL052125

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_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	51602531	62467417	16.354	15.960
28) SA Decachlor...	9.102	8.063	42816238	76669642	18.171	17.527

Target Compounds

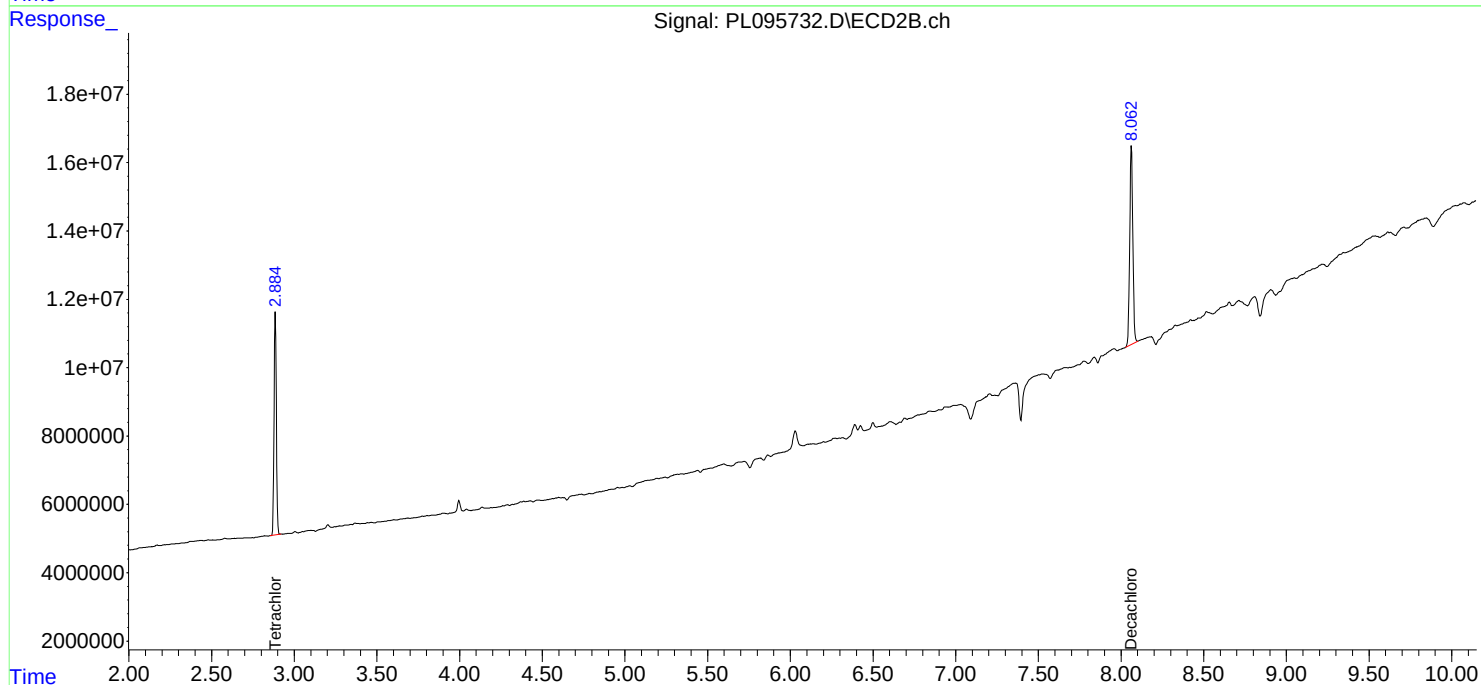
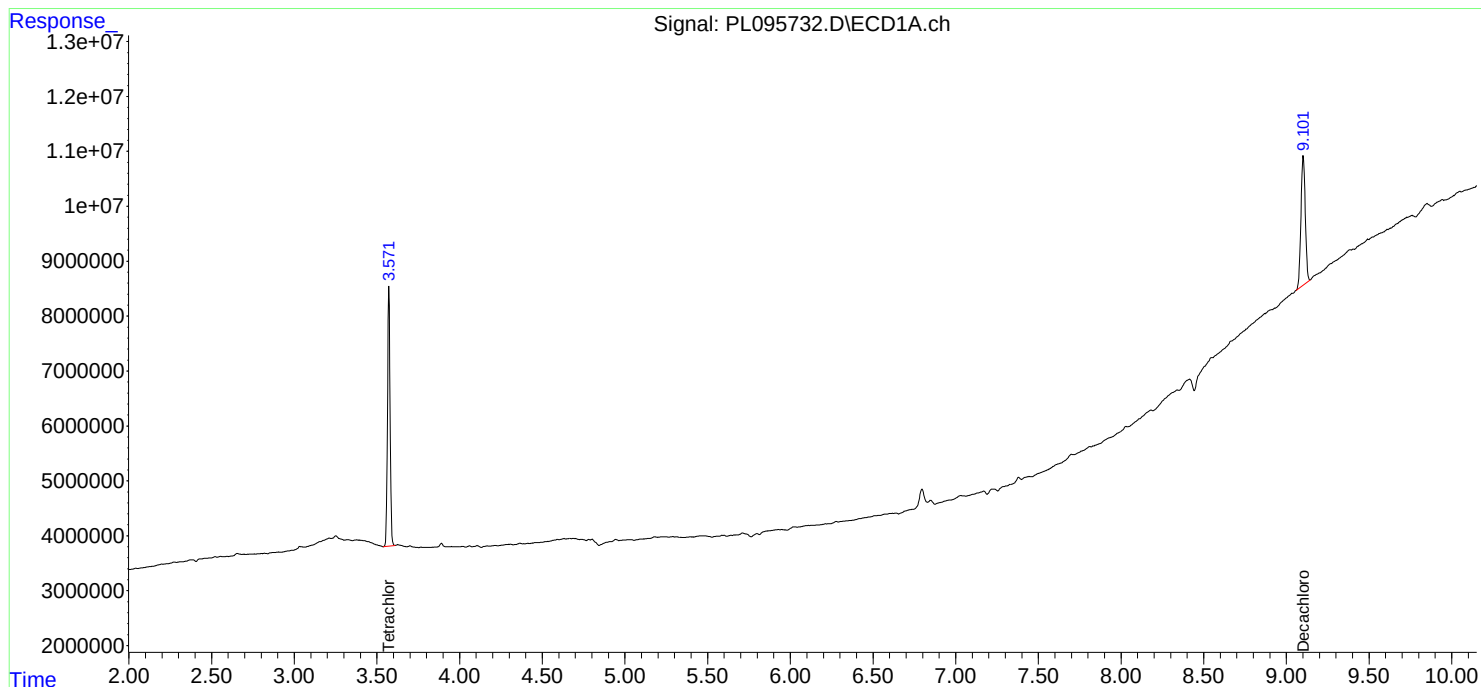
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

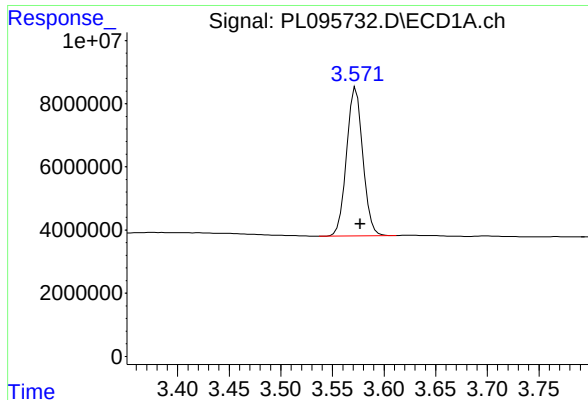
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

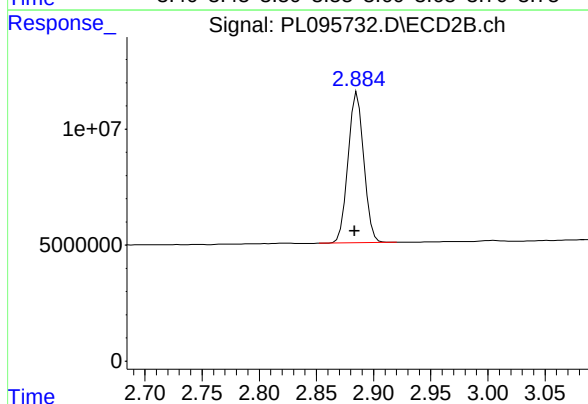




#1 Tetrachloro-m-xylene

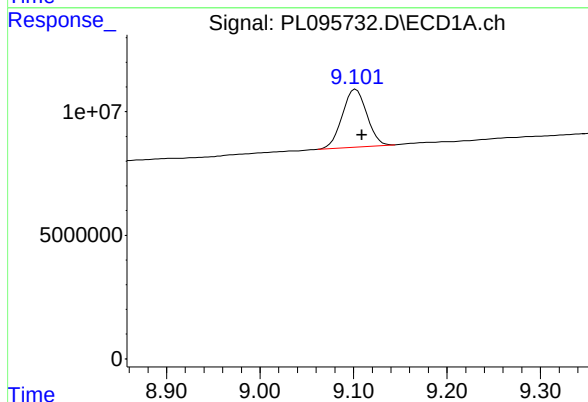
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 51602531
Conc: 16.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



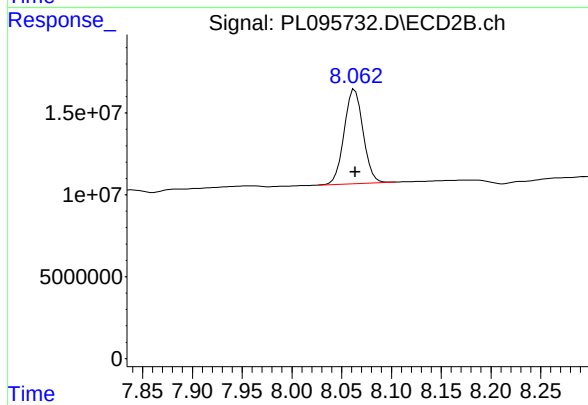
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 62467417
Conc: 15.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.006 min
Response: 42816238
Conc: 18.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 76669642
Conc: 17.53 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/27/25	
Project:	NJ Soil PT		Date Received:	05/27/25	
Client Sample ID:	PIBLK-PL095779.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095779.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095779.D	1		05/27/25	PL052725

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
2385-85-5	Mirex	0.0040	U	0.0040	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		43 - 140	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/27/25	
Project:	NJ Soil PT		Date Received:	05/27/25	
Client Sample ID:	PIBLK-PL095779.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095779.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095779.D	1		05/27/25	PL052725

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_L\Data\PL052725\
Data File : PL095779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 08:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:24:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.884	64691917	73470584	20.503	18.772
28) SA Decachlor...	9.099	8.058	48090642	84041130	20.409	19.212

Target Compounds

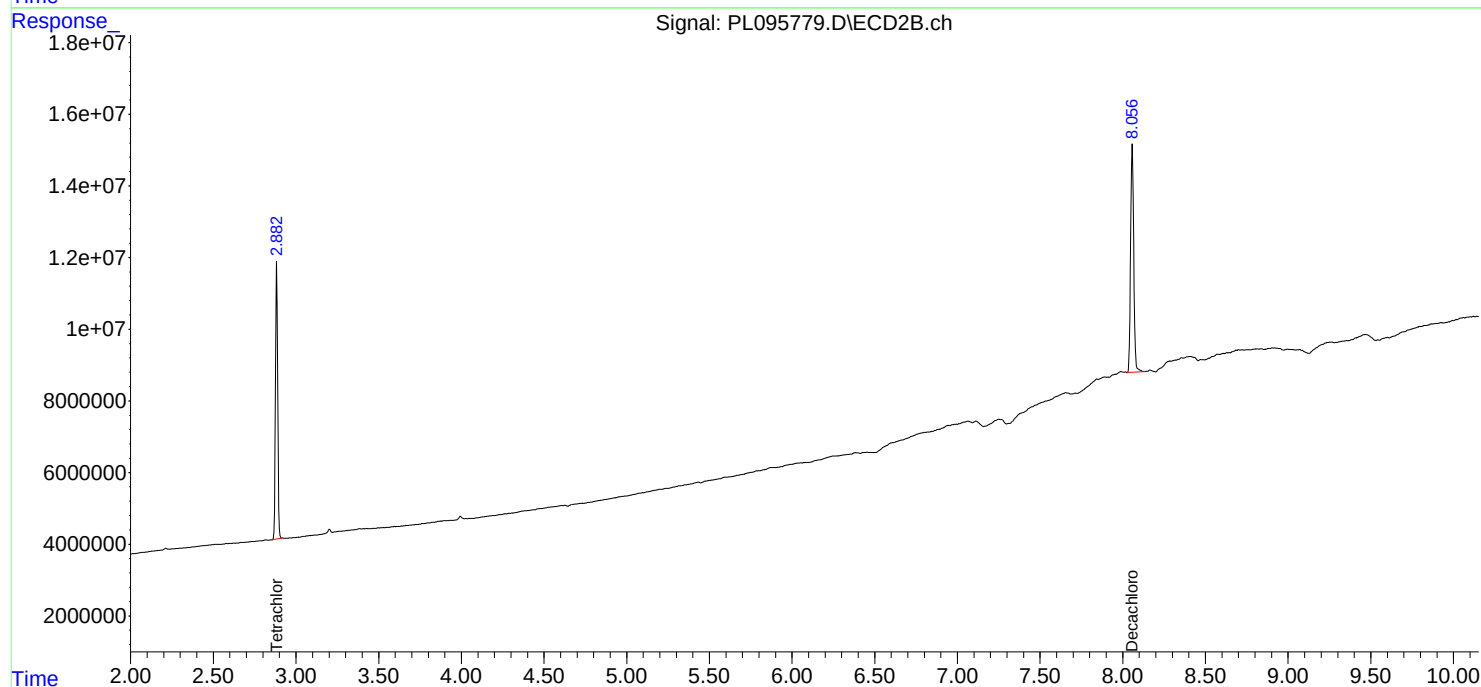
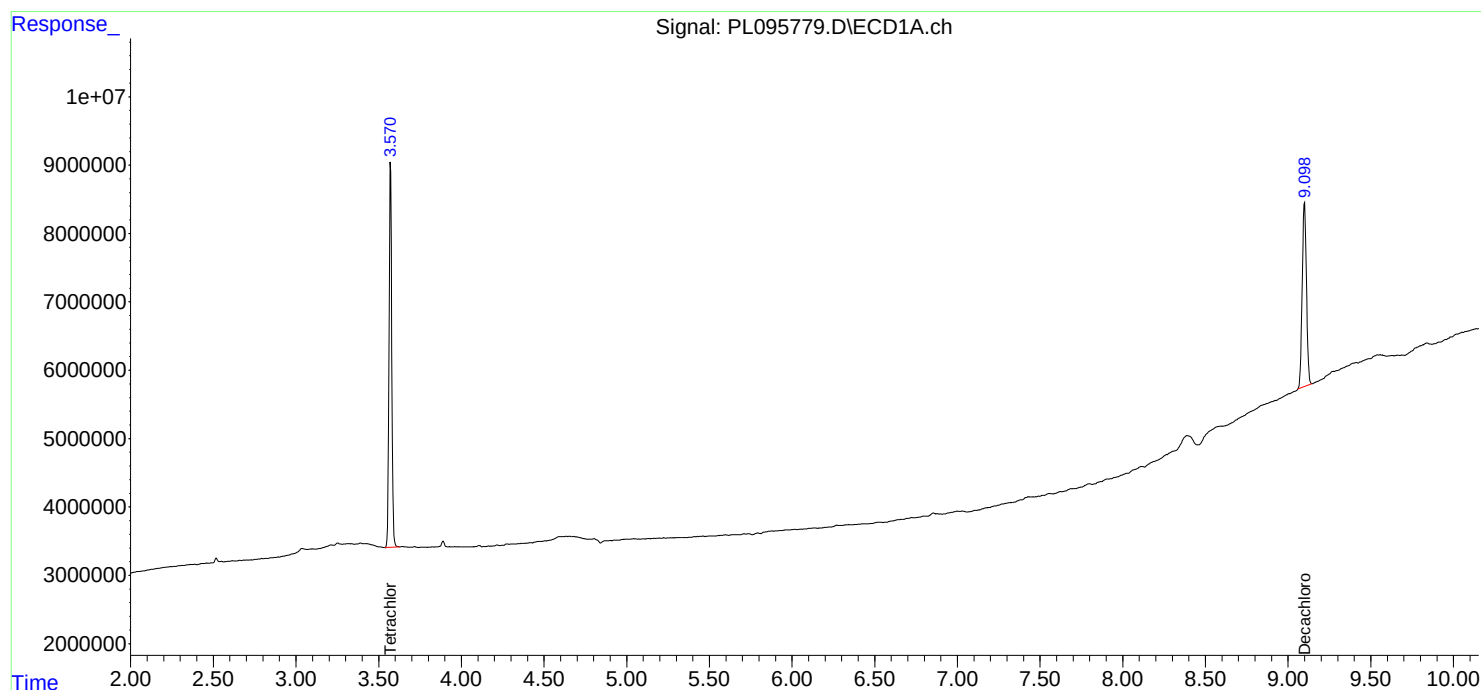
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

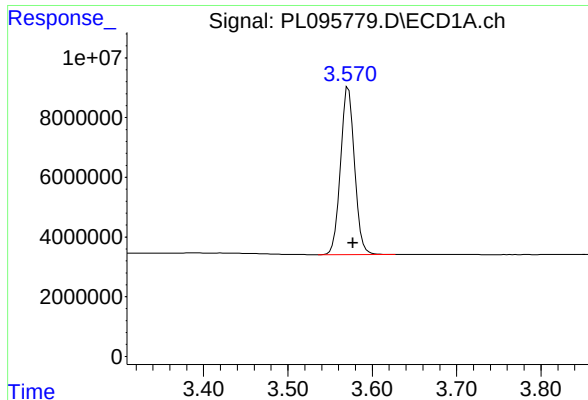
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 08:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:24:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

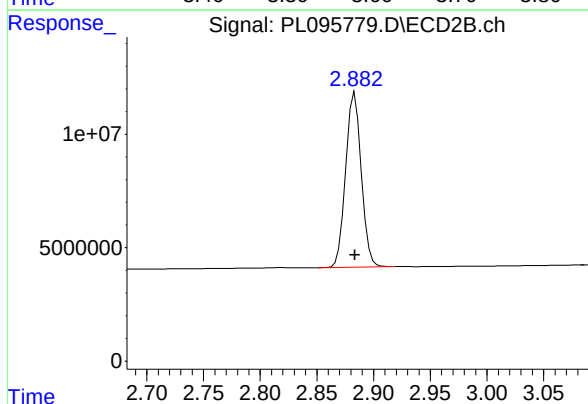




#1 Tetrachloro-m-xylene

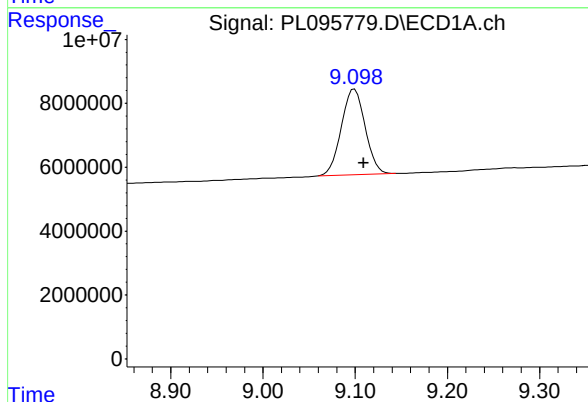
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 64691917
Conc: 20.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



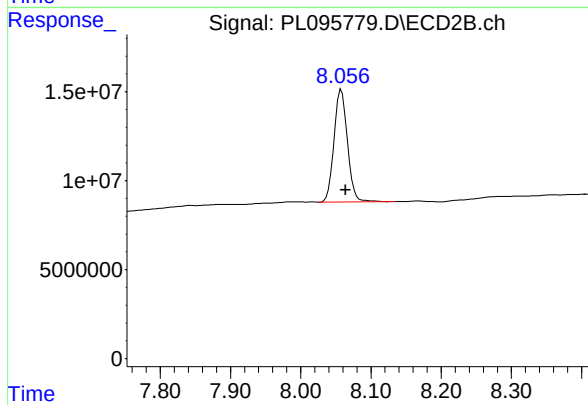
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 73470584
Conc: 18.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 48090642
Conc: 20.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 84041130
Conc: 19.21 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/27/25	
Project:	NJ Soil PT		Date Received:	05/27/25	
Client Sample ID:	PIBLK-PL095791.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095791.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095791.D	1		05/27/25	PL052725

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
2385-85-5	Mirex	0.0040	U	0.0040	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/27/25	
Project:	NJ Soil PT		Date Received:	05/27/25	
Client Sample ID:	PIBLK-PL095791.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PL095791.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095791.D	1		05/27/25	PL052725

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_L\Data\PL052725\
 Data File : PL095791.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 12:42
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:29:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.576	2.881	63910773	76769808	20.255	19.614
28) SA Decachlor...	9.104	8.058	43491430	66494116	18.457	15.201

Target Compounds

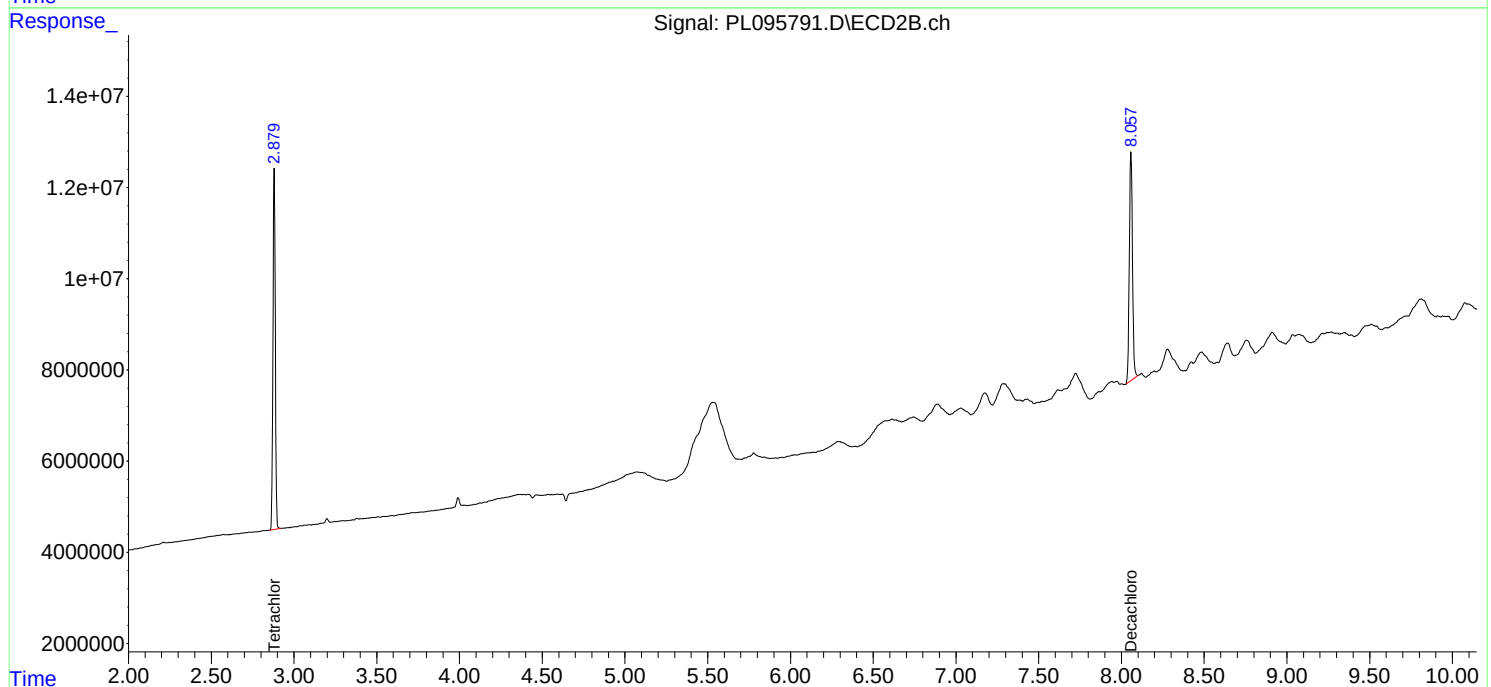
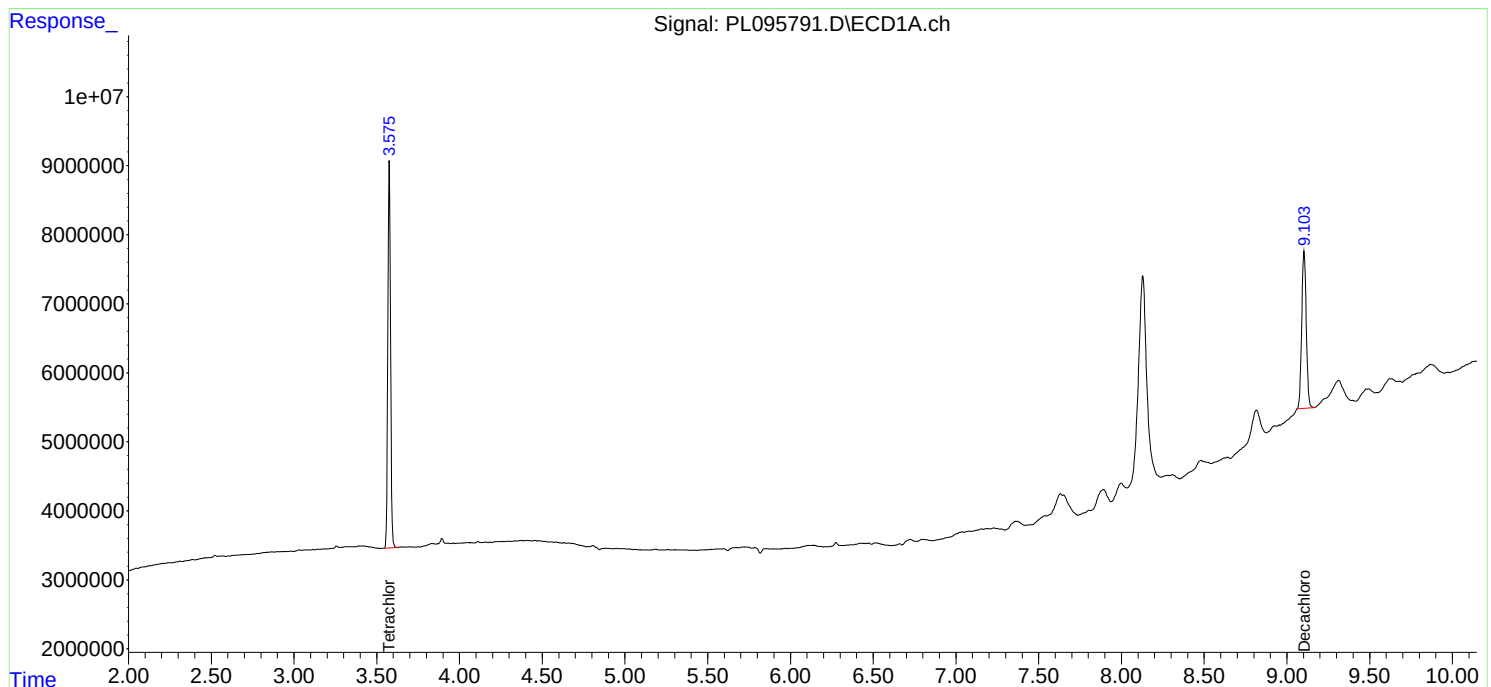
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

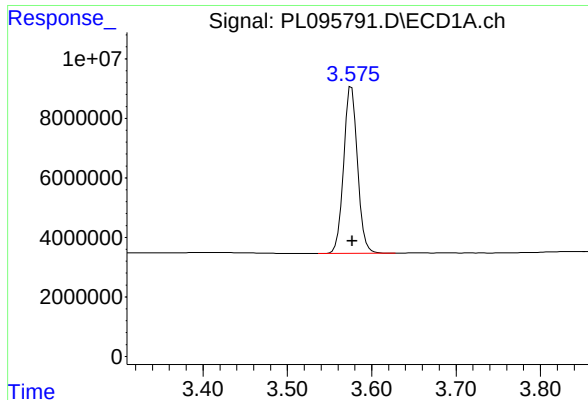
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 12:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:29:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm

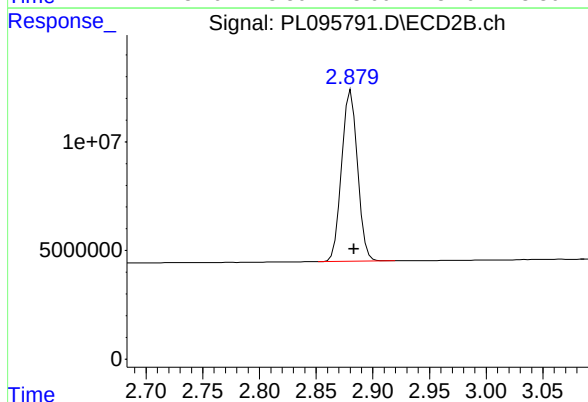




#1 Tetrachloro-m-xylene

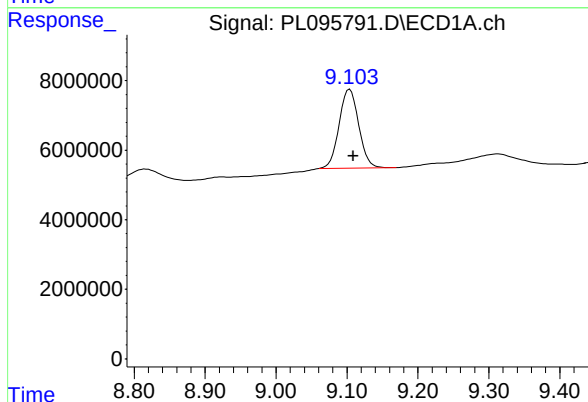
R.T.: 3.576 min
Delta R.T.: 0.000 min
Response: 63910773
Conc: 20.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



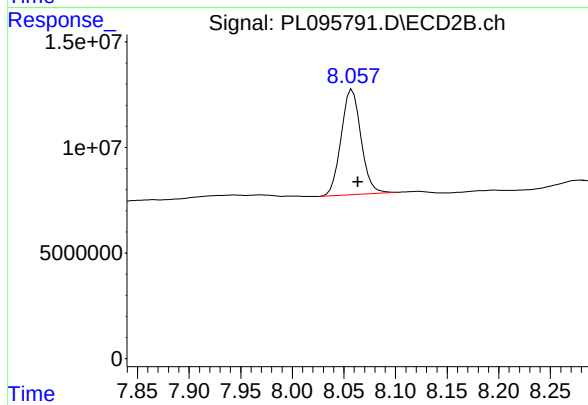
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.003 min
Response: 76769808
Conc: 19.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 43491430
Conc: 18.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 66494116
Conc: 15.20 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168151BS	SDG No.:	Q1872
Lab Sample ID:	PB168151BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095783.D	1	05/23/25 09:19	05/27/25 10:01	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.3		0.13	1.70	ug/kg
319-85-7	beta-BHC	15.0		0.18	1.70	ug/kg
319-86-8	delta-BHC	15.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	15.1		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.2		0.12	1.70	ug/kg
309-00-2	Aldrin	15.6		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	15.6		0.19	1.70	ug/kg
959-98-8	Endosulfan I	15.5		0.14	1.70	ug/kg
60-57-1	Dieldrin	15.7		0.14	1.70	ug/kg
72-55-9	4,4-DDE	15.6		0.14	1.70	ug/kg
72-20-8	Endrin	15.1		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	15.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	15.4		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	15.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.4		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.9		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.5		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.6		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	15.6		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	15.9		0.15	1.70	ug/kg
2385-85-5	Mirex	15.9		0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		19 - 148	104%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB168151BS		SDG No.:	Q1872	
Lab Sample ID:	PB168151BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095783.D	1	05/23/25 09:19	05/27/25 10:01	PB168151

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_L\Data\PL052725\
 Data File : PL095783.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 10:01
 Operator : AR\AJ
 Sample : PB168151BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168151BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/28/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:26:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.576	2.881	65337656	76451575	20.707	19.533
28)	SA Decachlor...	9.103	8.058	51490444	98463285	21.852	22.509
Target Compounds							
2)	A alpha-BHC	4.028	3.391	222.3E6	266.5E6	45.850	45.491
3)	MA gamma-BHC...	4.359	3.725	203.1E6	252.4E6	45.419	45.067
4)	MA Heptachlor	4.958	4.077	173.0E6	249.0E6	45.706	44.398
5)	MB Aldrin	5.300	4.362	200.2E6	243.5E6	46.802	45.874
6)	B beta-BHC	4.548	4.020	88790389	109.2E6	45.040	44.089
7)	B delta-BHC	4.795	4.255	200.1E6	253.2E6	45.129	44.840
8)	B Heptachlo...	5.721	4.865	178.3E6	226.0E6	46.716	45.776
9)	A Endosulfan I	6.104	5.237	170.7E6	218.2E6	46.575	45.795
10)	B gamma-Chl...	5.976	5.118	185.5E6	243.2E6	47.654	46.306
11)	B alpha-Chl...	6.057	5.182	184.7E6	239.1E6	46.793	45.954
12)	B 4,4'-DDE	6.227	5.367	171.4E6	246.2E6	46.724	45.915m
13)	MA Dieldrin	6.378	5.502	182.3E6	243.7E6	47.231	45.982
14)	MA Endrin	6.605	5.777	146.7E6	217.2E6	45.473	44.551
15)	B Endosulfa...	6.818	6.068	156.9E6	219.2E6	45.544	46.133
16)	A 4,4'-DDD	6.737	5.921	133.5E6	202.7E6	45.556	46.232
17)	MA 4,4'-DDT	7.053	6.175	125.1E6	217.1E6	46.231	45.396
18)	B Endrin al...	6.947	6.246	113.0E6	161.3E6	46.742	46.706
19)	B Endosulfa...	7.181	6.469	138.6E6	205.5E6	46.398	45.724
20)	A Methoxychlor	7.525	6.745	60895787	112.5E6	47.749	42.997
21)	B Endrin ke...	7.662	6.975	147.5E6	239.7E6	46.569	46.323
22)	Mirex	8.143	7.168	110.2E6	192.2E6	47.618	47.324

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095783.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 10:01
Operator : AR\AJ
Sample : PB168151BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168151BS

Manual Integrations

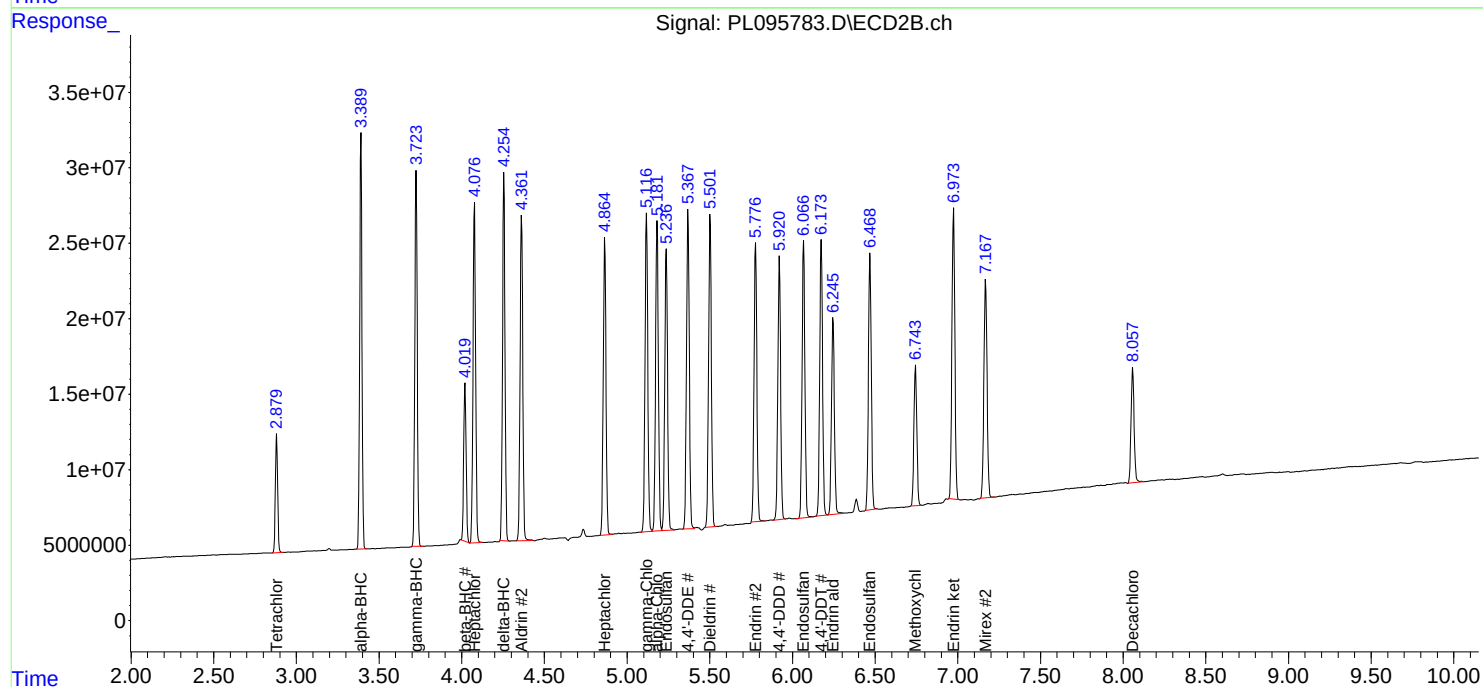
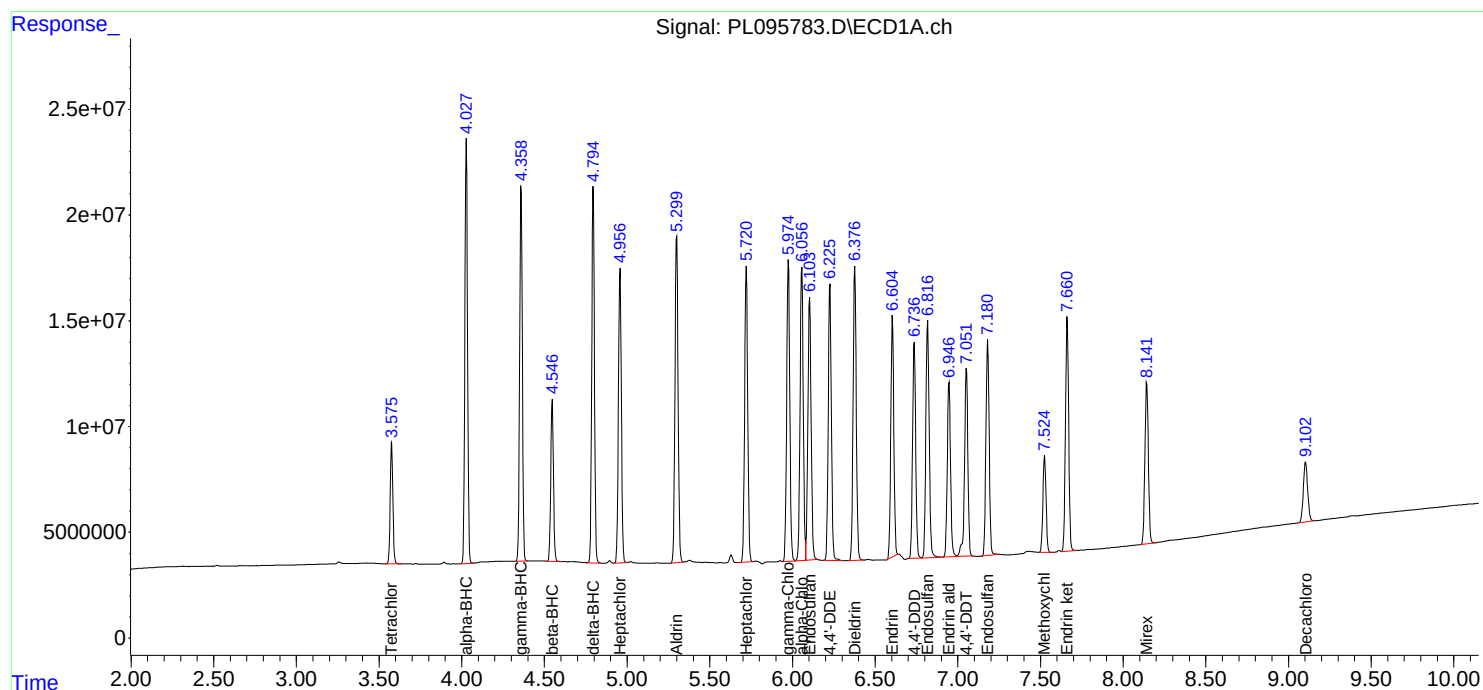
APPROVED

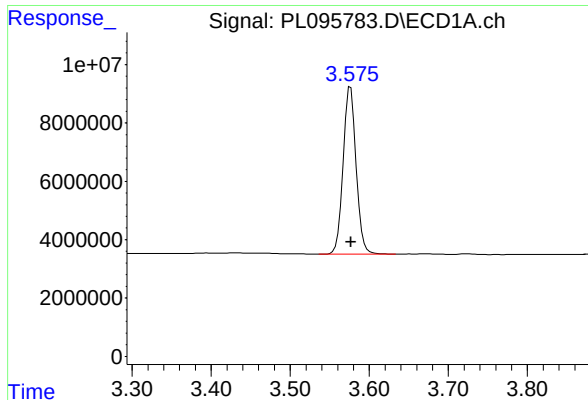
Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:26:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





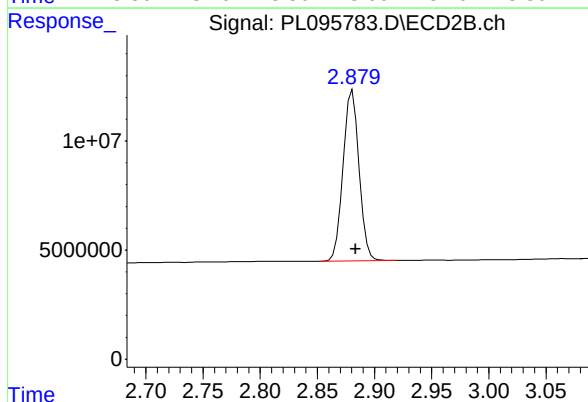
#1 Tetrachloro-m-xylene

R.T.: 3.576 min
Delta R.T.: 0.000 min
Response: 65337656
Conc: 20.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

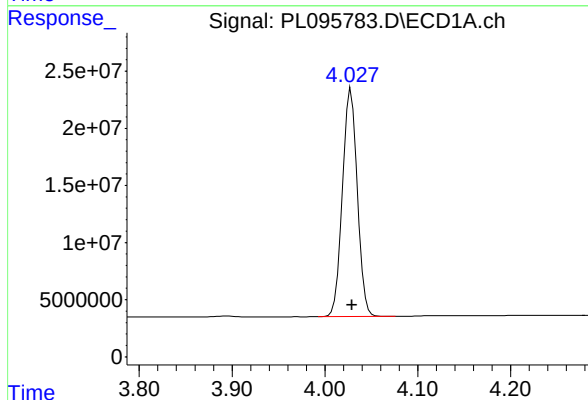
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



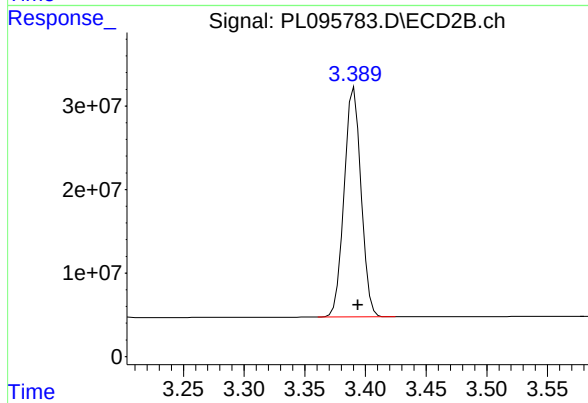
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.003 min
Response: 76451575
Conc: 19.53 ng/ml



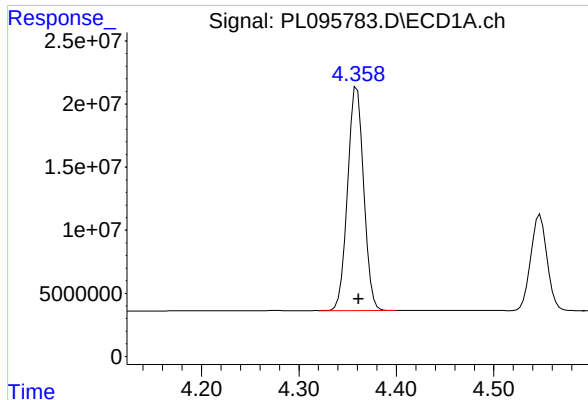
#2 alpha-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 222277330
Conc: 45.85 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 266457036
Conc: 45.49 ng/ml



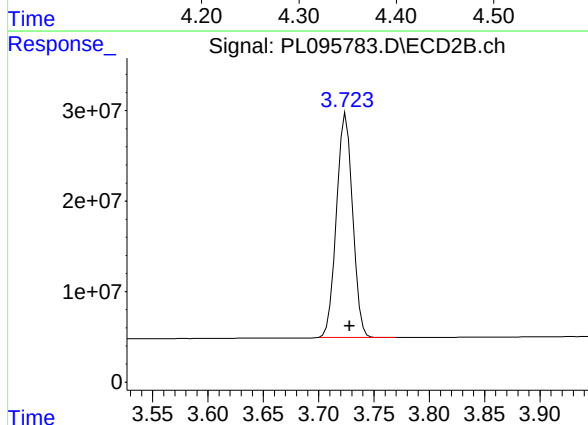
#3 gamma-BHC (Lindane)

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 203106306
Conc: 45.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

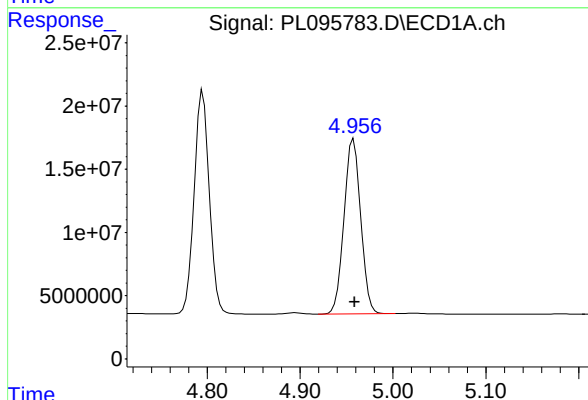
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



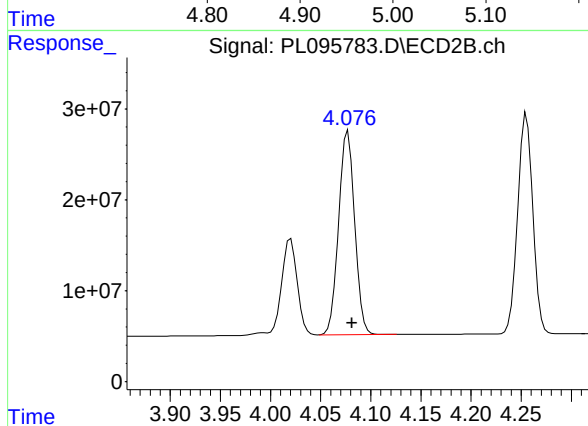
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.003 min
Response: 252432898
Conc: 45.07 ng/ml



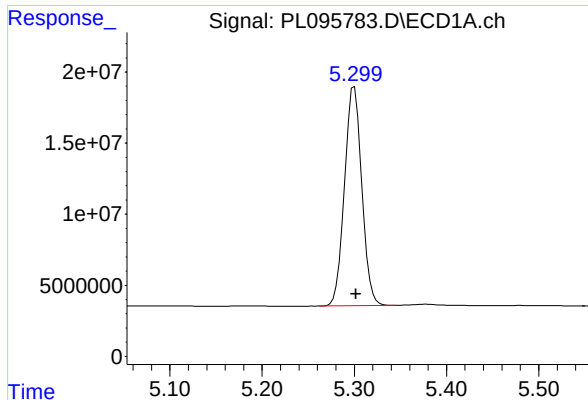
#4 Heptachlor

R.T.: 4.958 min
Delta R.T.: -0.001 min
Response: 173000524
Conc: 45.71 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.004 min
Response: 249031171
Conc: 44.40 ng/ml



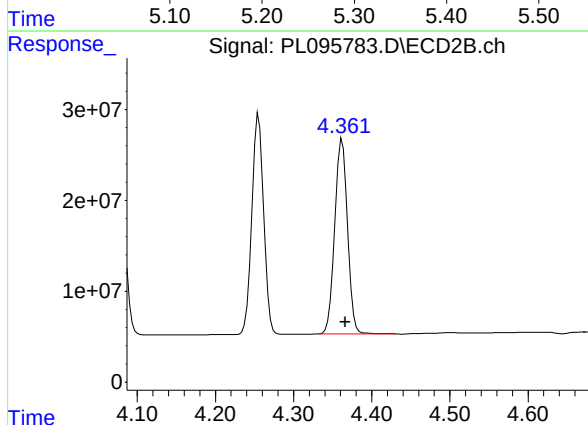
#5 Aldrin

R.T.: 5.300 min
Delta R.T.: -0.002 min
Response: 200207660
Conc: 46.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

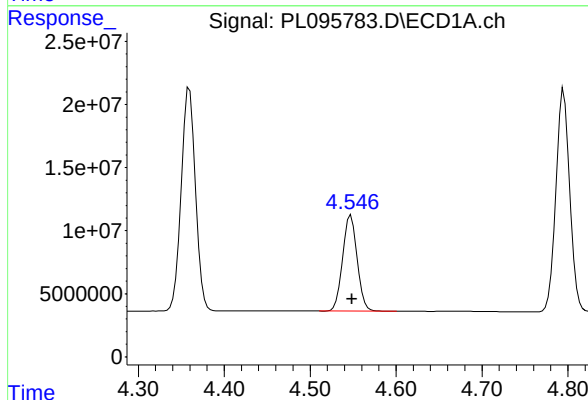
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



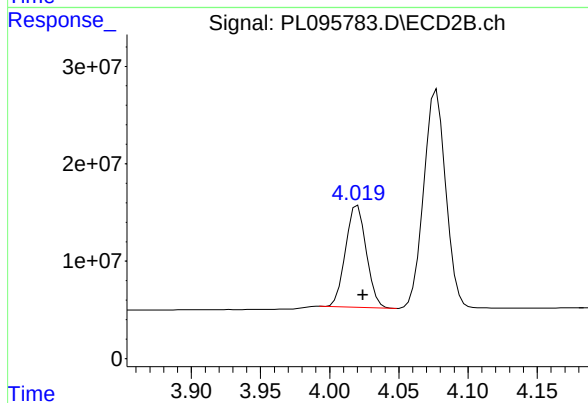
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.004 min
Response: 243456840
Conc: 45.87 ng/ml



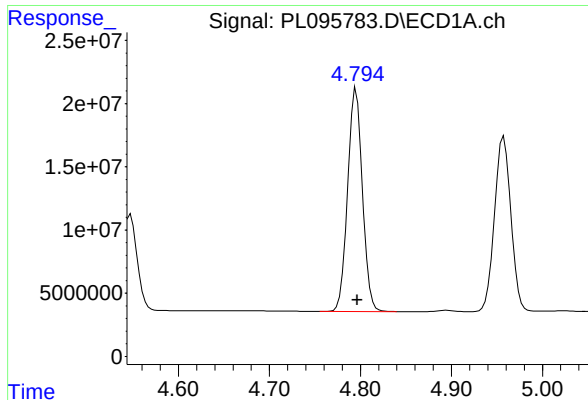
#6 beta-BHC

R.T.: 4.548 min
Delta R.T.: -0.001 min
Response: 88790389
Conc: 45.04 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.004 min
Response: 109234021
Conc: 44.09 ng/ml



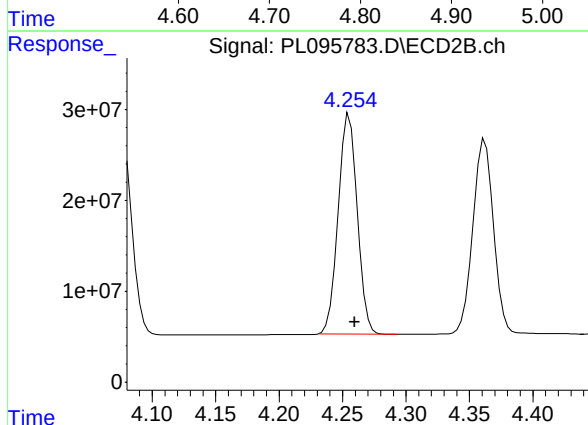
#7 delta-BHC

R.T.: 4.795 min
Delta R.T.: -0.001 min
Response: 200086267
Conc: 45.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

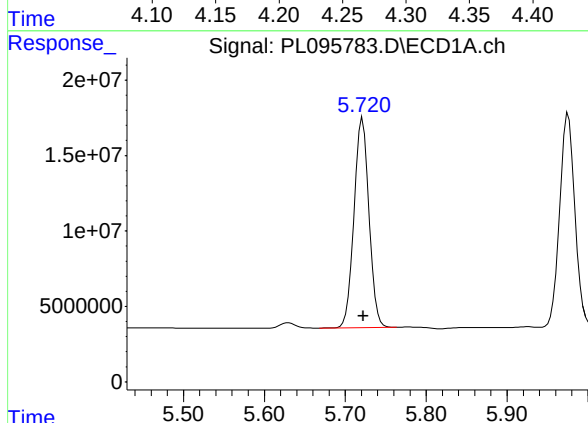
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



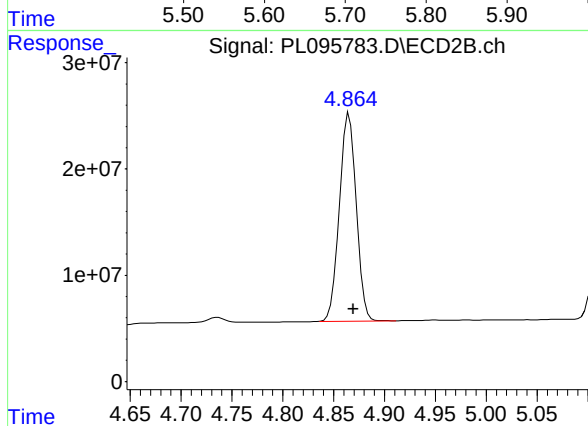
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.004 min
Response: 253225344
Conc: 44.84 ng/ml



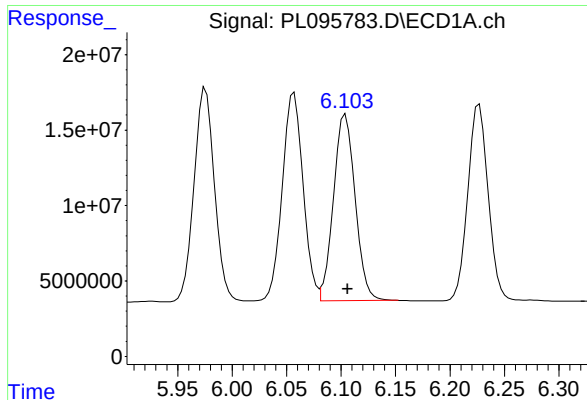
#8 Heptachlor epoxide

R.T.: 5.721 min
Delta R.T.: -0.001 min
Response: 178308670
Conc: 46.72 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.004 min
Response: 226013386
Conc: 45.78 ng/ml



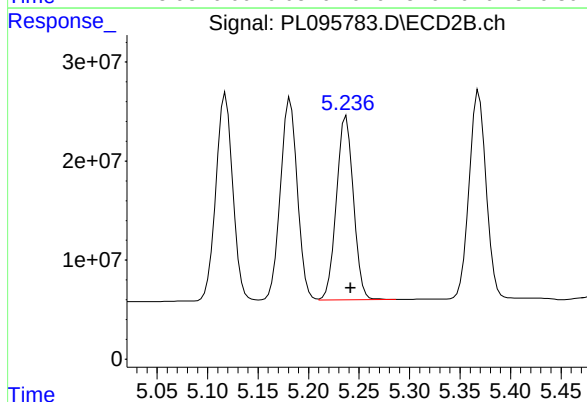
#9 Endosulfan I

R.T.: 6.104 min
Delta R.T.: -0.002 min
Response: 170689807
Conc: 46.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

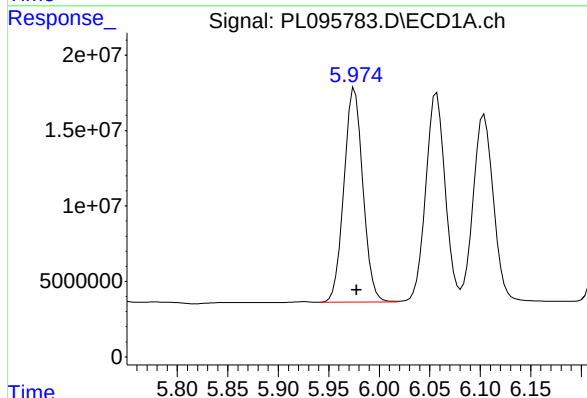
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



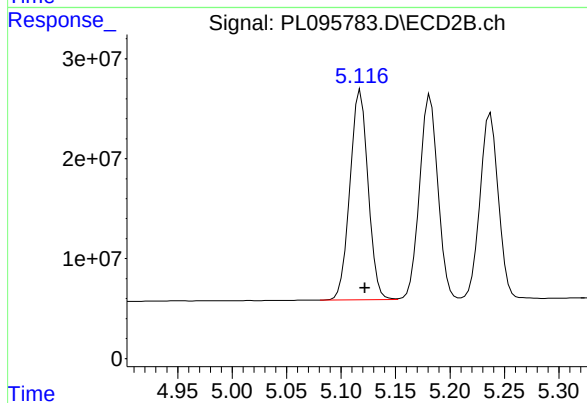
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.005 min
Response: 218213438
Conc: 45.80 ng/ml



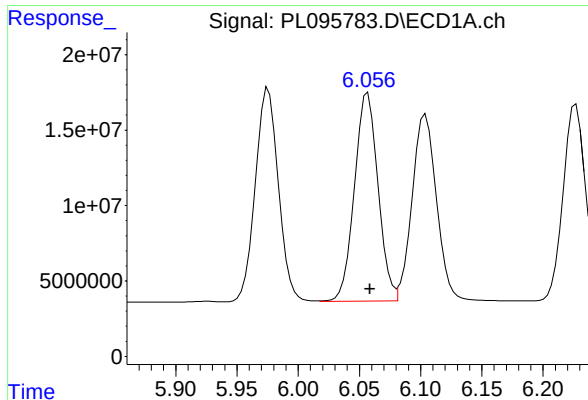
#10 gamma-Chlordane

R.T.: 5.976 min
Delta R.T.: -0.002 min
Response: 185474695
Conc: 47.65 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 243229950
Conc: 46.31 ng/ml



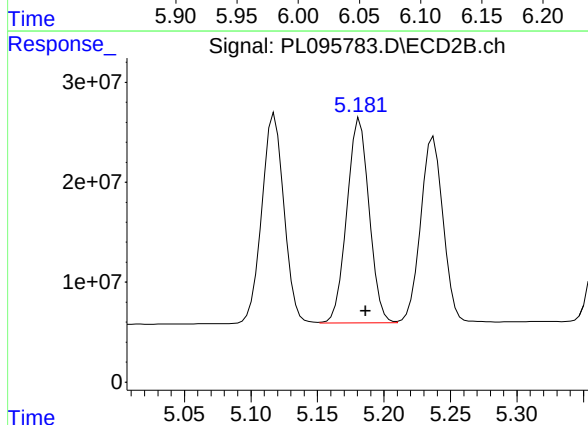
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.002 min
Response: 184748080
Conc: 46.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

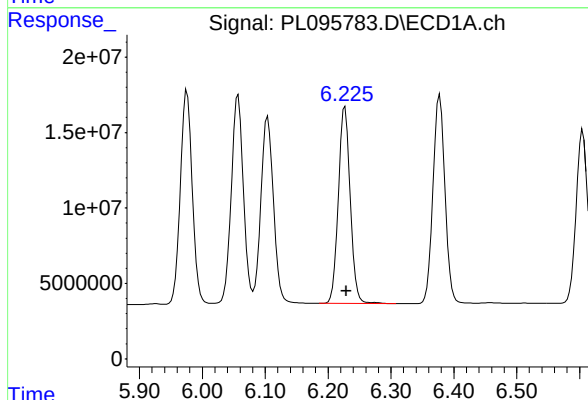
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



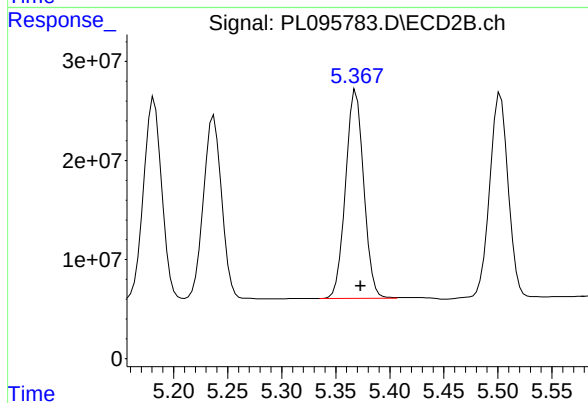
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.005 min
Response: 239088747
Conc: 45.95 ng/ml



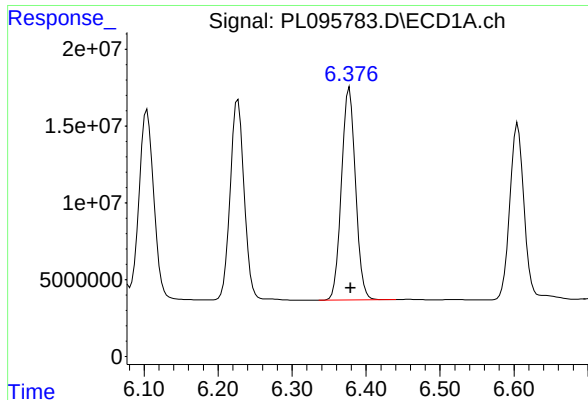
#12 4,4'-DDE

R.T.: 6.227 min
Delta R.T.: -0.002 min
Response: 171380501
Conc: 46.72 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.006 min
Response: 246203943
Conc: 45.92 ng/ml m



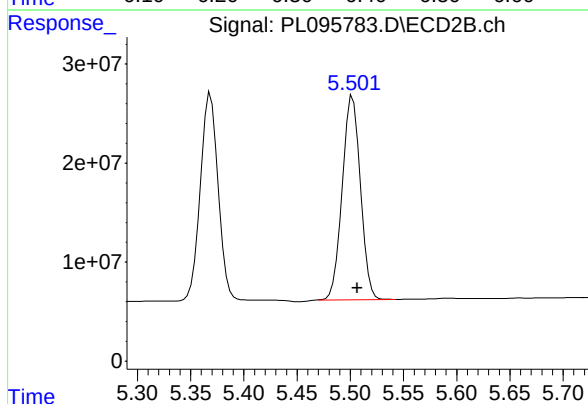
#13 Dieldrin

R.T.: 6.378 min
Delta R.T.: -0.002 min
Response: 182274298
Conc: 47.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

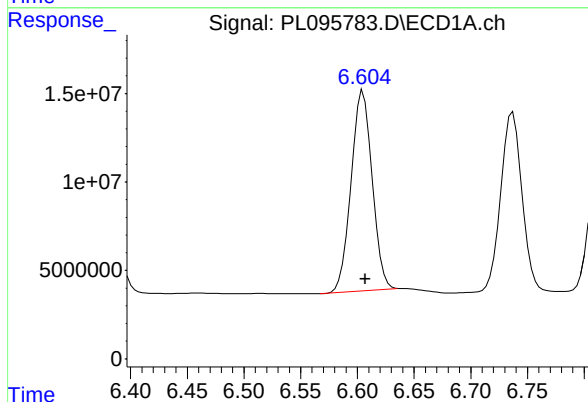
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



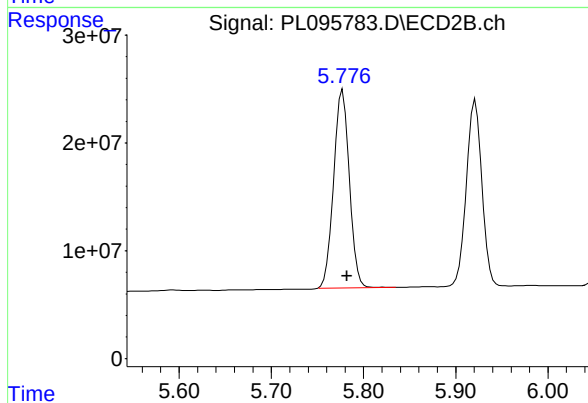
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 243708983
Conc: 45.98 ng/ml



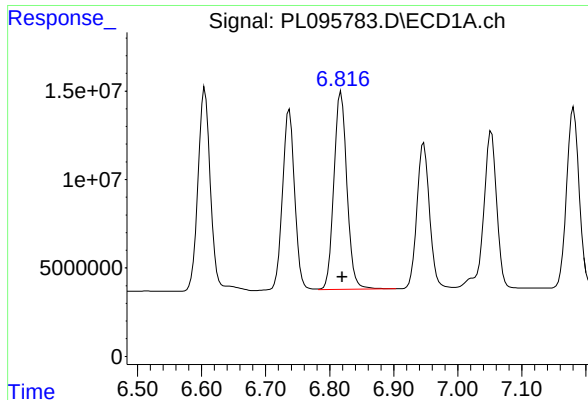
#14 Endrin

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 146731005
Conc: 45.47 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.004 min
Response: 217234039
Conc: 44.55 ng/ml



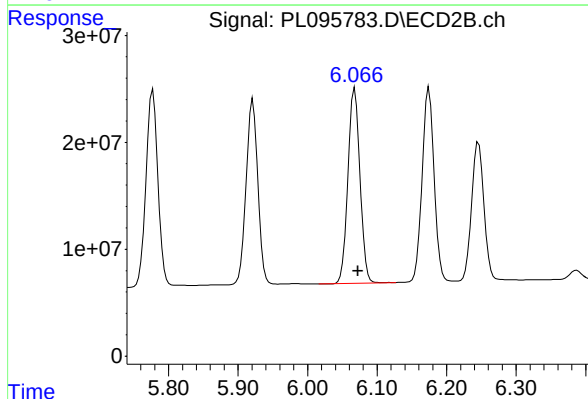
#15 Endosulfan II

R.T.: 6.818 min
Delta R.T.: -0.002 min
Response: 156947899
Conc: 45.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

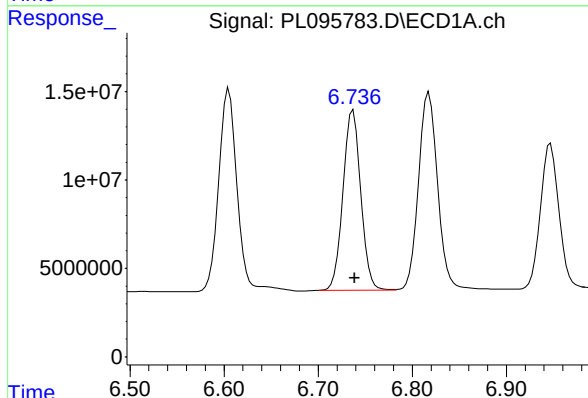
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



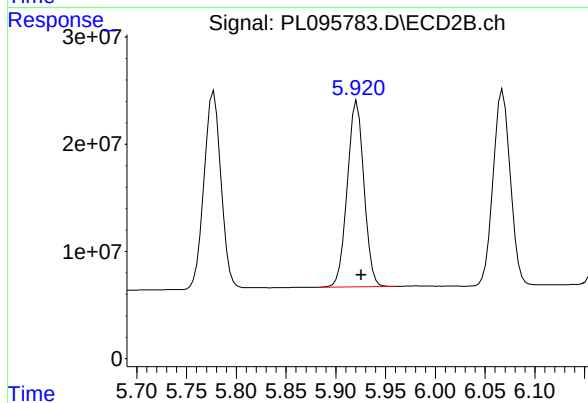
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.005 min
Response: 219211800
Conc: 46.13 ng/ml



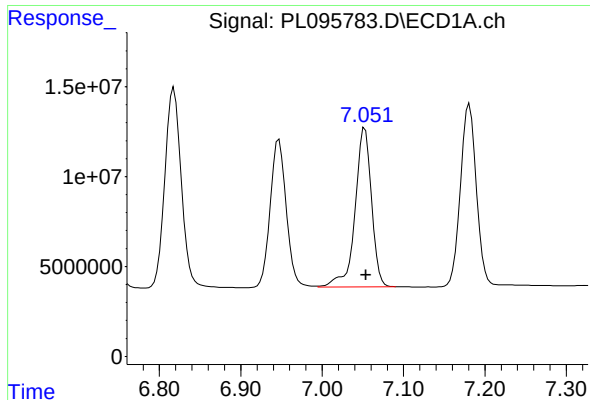
#16 4,4'-DDD

R.T.: 6.737 min
Delta R.T.: -0.002 min
Response: 133507286
Conc: 45.56 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 202722923
Conc: 46.23 ng/ml



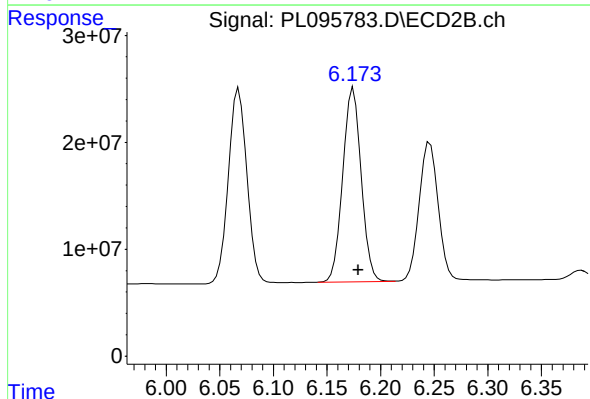
#17 4,4'-DDT

R.T.: 7.053 min
Delta R.T.: -0.001 min
Response: 125061269
Conc: 46.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

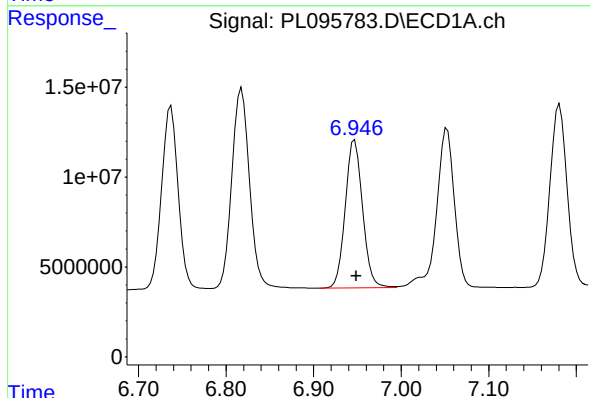
Manual Integrations
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Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



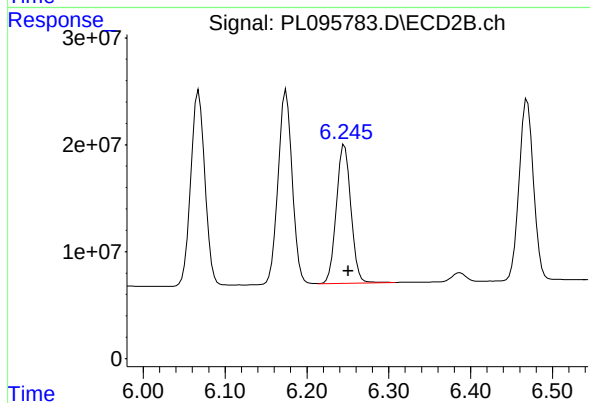
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.005 min
Response: 217110199
Conc: 45.40 ng/ml



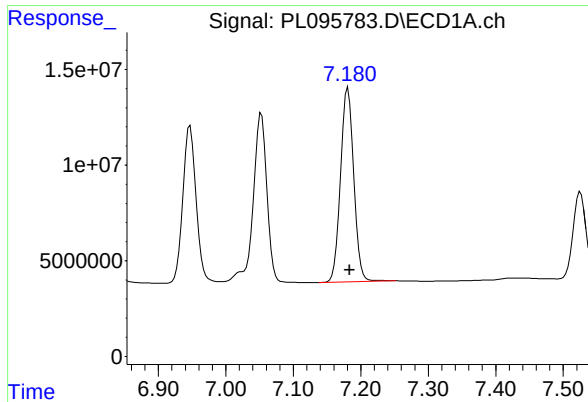
#18 Endrin aldehyde

R.T.: 6.947 min
Delta R.T.: -0.002 min
Response: 113004005
Conc: 46.74 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.005 min
Response: 161337746
Conc: 46.71 ng/ml



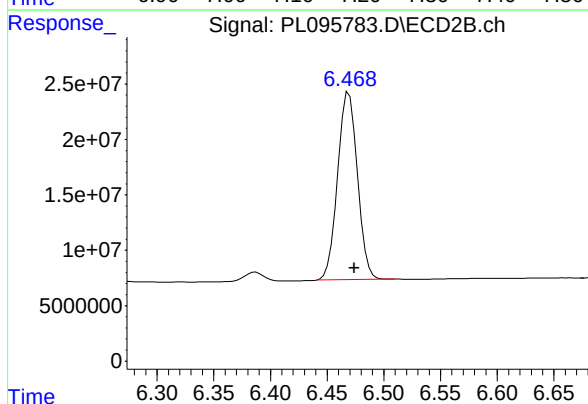
#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 138588567
Conc: 46.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

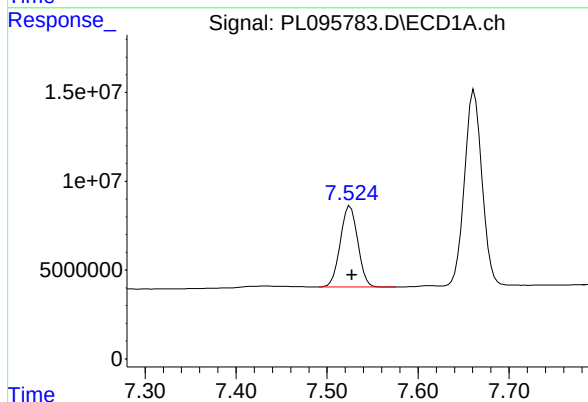
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



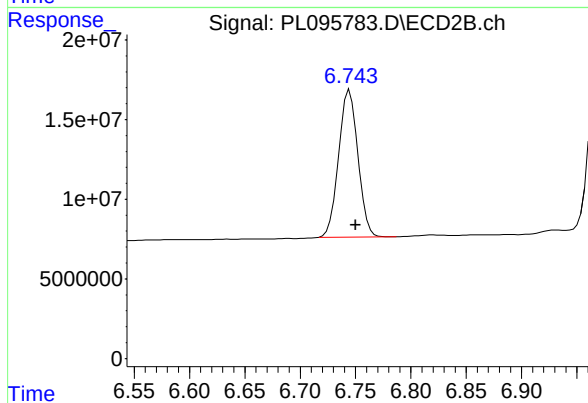
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.005 min
Response: 205516588
Conc: 45.72 ng/ml



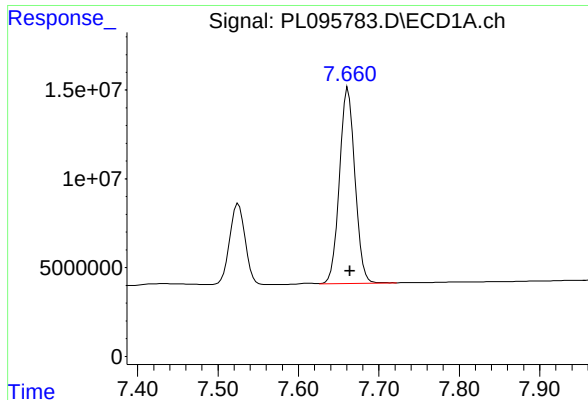
#20 Methoxychlor

R.T.: 7.525 min
Delta R.T.: -0.002 min
Response: 60895787
Conc: 47.75 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 112485196
Conc: 43.00 ng/ml



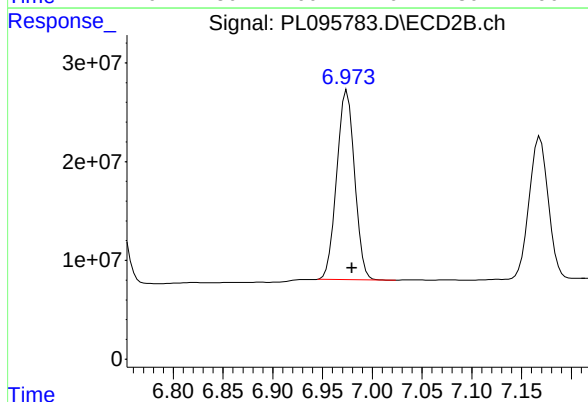
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: -0.003 min
Response: 147481158
Conc: 46.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168151BS

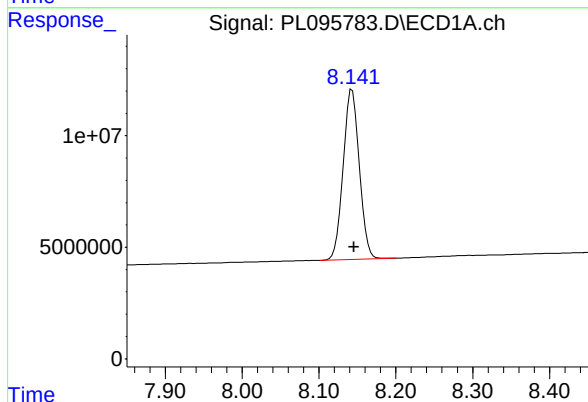
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



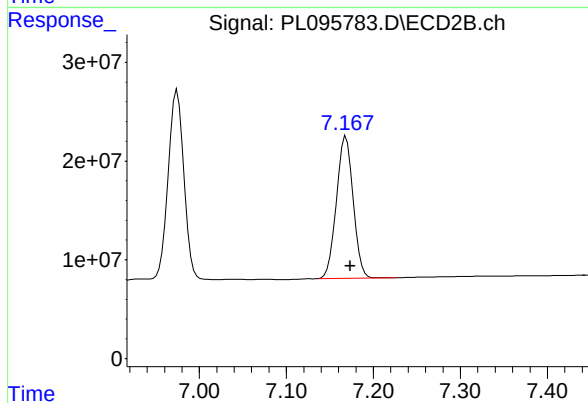
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.005 min
Response: 239668592
Conc: 46.32 ng/ml



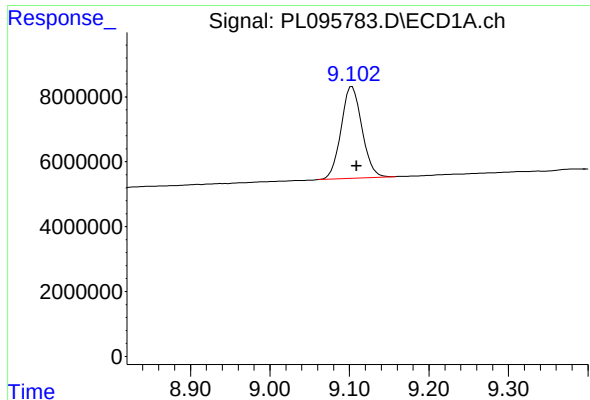
#22 Mirex

R.T.: 8.143 min
Delta R.T.: -0.002 min
Response: 110177062
Conc: 47.62 ng/ml



#22 Mirex

R.T.: 7.168 min
Delta R.T.: -0.005 min
Response: 192157399
Conc: 47.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 51490444
Conc: 21.85 ng/ml

Instrument :

ECD_L

ClientSampleId :

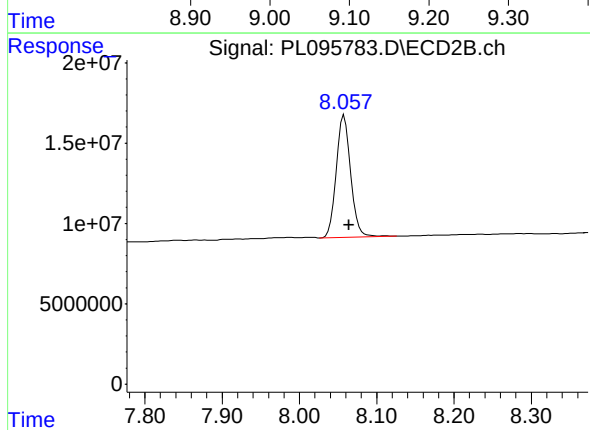
PB168151BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 98463285
Conc: 22.51 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/20/25	
Project:	NJ Soil PT		Date Received:	05/22/25	
Client Sample ID:	TP-02-MHFMS		SDG No.:	Q1872	
Lab Sample ID:	Q2109-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	87.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095789.D	1	05/23/25 09:19	05/27/25 11:58	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.7	P	0.15	1.90	ug/kg
319-85-7	beta-BHC	16.5		0.21	1.90	ug/kg
319-86-8	delta-BHC	15.7		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.16	1.90	ug/kg
76-44-8	Heptachlor	14.9		0.14	1.90	ug/kg
309-00-2	Aldrin	15.4		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	15.4		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.2		0.16	1.90	ug/kg
60-57-1	Dieldrin	14.5		0.16	1.90	ug/kg
72-55-9	4,4-DDE	13.6		0.16	1.90	ug/kg
72-20-8	Endrin	13.6		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.8		0.33	1.90	ug/kg
72-54-8	4,4-DDD	14.4		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.1		0.15	1.90	ug/kg
50-29-3	4,4-DDT	13.6		0.16	1.90	ug/kg
72-43-5	Methoxychlor	12.8		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	14.3		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.4		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	15.3		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	15.6		0.17	1.90	ug/kg
2385-85-5	Mirex	14.8		0.19	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.4		19 - 148	62%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/20/25	
Project:	NJ Soil PT		Date Received:	05/22/25	
Client Sample ID:	TP-02-MHFMS		SDG No.:	Q1872	
Lab Sample ID:	Q2109-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	87.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095789.D	1	05/23/25 09:19	05/27/25 11:58	PB168151

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_L\Data\PL052725\
 Data File : PL095789.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 11:58
 Operator : AR\AJ
 Sample : Q2109-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-02-MHFMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/29/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:28:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.571	2.882	36666033	48672614	11.621	12.436m
2) SA Decachlor...	9.099	8.057	36190659	44874245	15.359m	10.258m#
Target Compounds						
2) A alpha-BHC	4.023	3.394	195.5E6	240.9E6	40.318	41.133
3) MA gamma-BHC...	4.354	3.727	188.0E6	218.8E6	42.039	39.056
4) MA Heptachlor	4.950	4.080	148.3E6	219.9E6	39.182m	39.210
5) MB Aldrin	5.294	4.365	173.2E6	212.5E6	40.489	40.040
6) B beta-BHC	4.541	4.022	47496913	107.1E6	24.093m	43.223m#
7) B delta-BHC	4.790	4.258	182.9E6	213.6E6	41.246	37.819
8) B Heptachlo...	5.715	4.867	146.8E6	199.0E6	38.461	40.310
9) A Endosulfan I	6.098	5.240	155.5E6	161.6E6	42.439	33.919
10) B gamma-Chl...	5.970	5.118	159.5E6	201.0E6	40.973	38.258m
11) B alpha-Chl...	6.051	5.182	158.7E6	194.7E6	40.192	37.424m
12) B 4,4'-DDE	6.222	5.370	102.5E6	191.1E6	27.951	35.639 #
13) MA Dieldrin	6.371	5.502	146.5E6	193.4E6	37.957	36.497m
14) MA Endrin	6.598	5.777	109.1E6	173.8E6	33.825	35.644m
15) B Endosulfa...	6.812	6.067	124.9E6	172.6E6	36.240	36.327m
16) A 4,4'-DDD	6.730	5.920	106.2E6	165.1E6	36.240	37.658m
17) MA 4,4'-DDT	7.046	6.174	96269005	150.2E6	35.587	31.403
18) B Endrin al...	6.940	6.246	91378182	128.7E6	37.797	37.244
19) B Endosulfa...	7.174	6.470	110.8E6	144.2E6	37.081	32.077
20) A Methoxychlor	7.519	6.745	42957046	78028939	33.683	29.826
21) B Endrin ke...	7.654	6.974	118.5E6	146.5E6	37.405m	28.309
22) Mirex	8.136	7.168	90087969	124.9E6	38.936	30.769m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095789.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 11:58
Operator : AR\AJ
Sample : Q2109-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-02-MHFMS

Manual Integrations

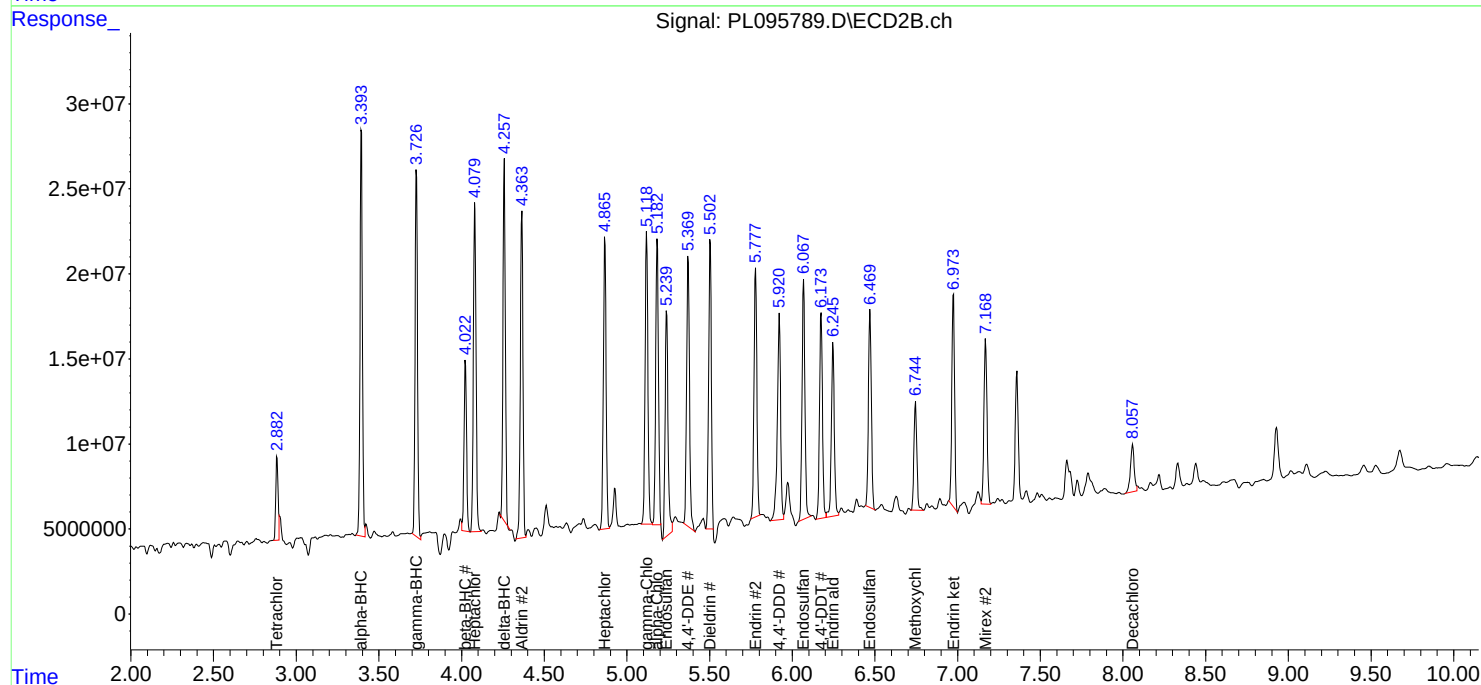
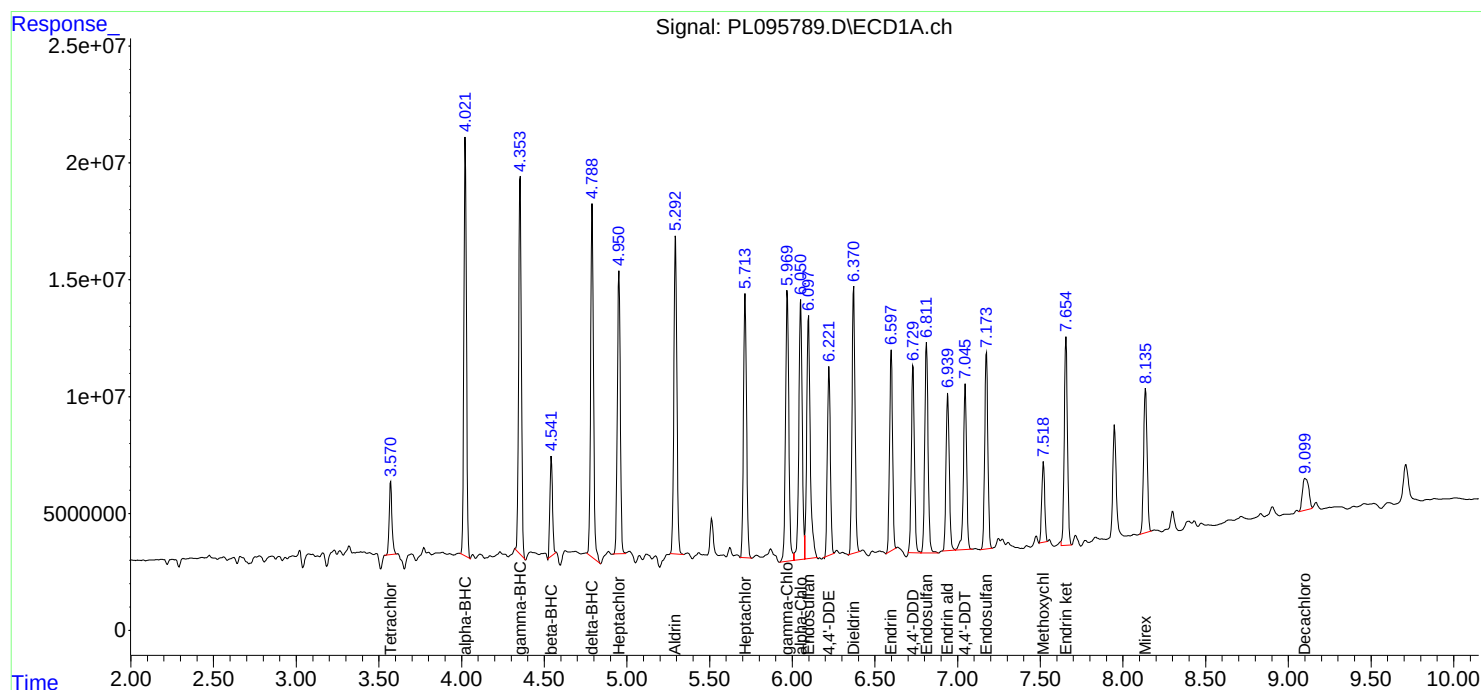
APPROVED

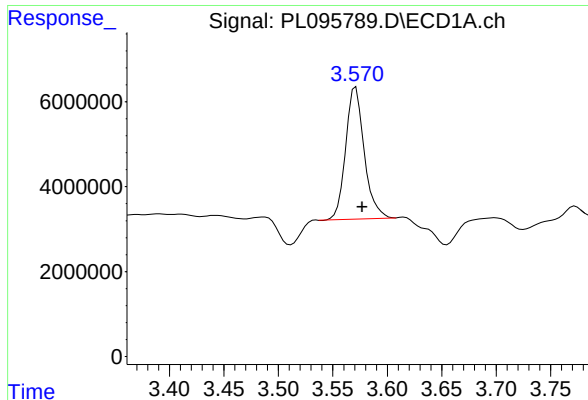
Reviewed By :Abdul Mirza 05/29/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:28:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





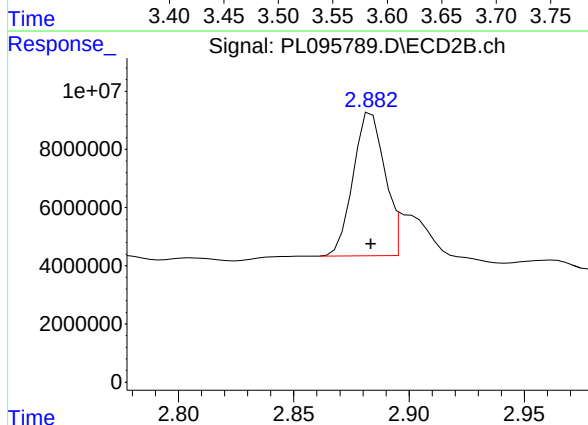
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 36666033
Conc: 11.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

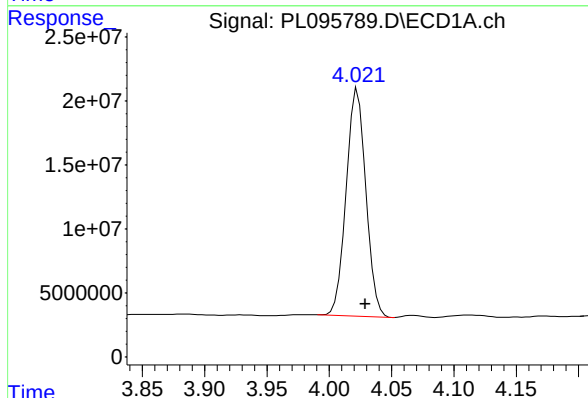
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



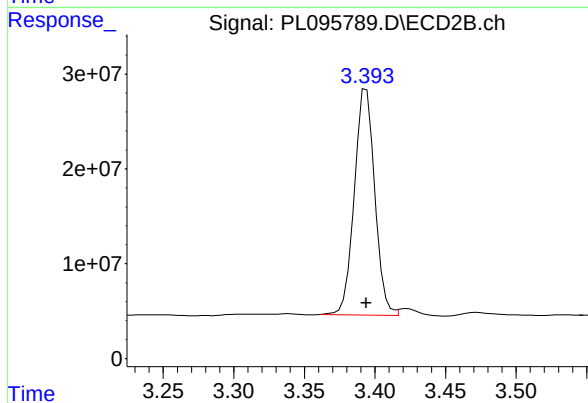
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 48672614
Conc: 12.44 ng/ml



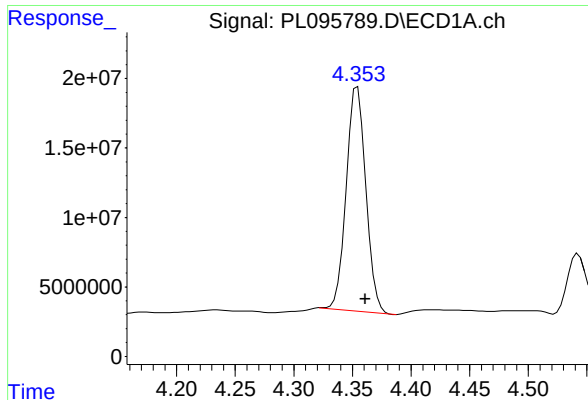
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 195459611
Conc: 40.32 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 240931418
Conc: 41.13 ng/ml



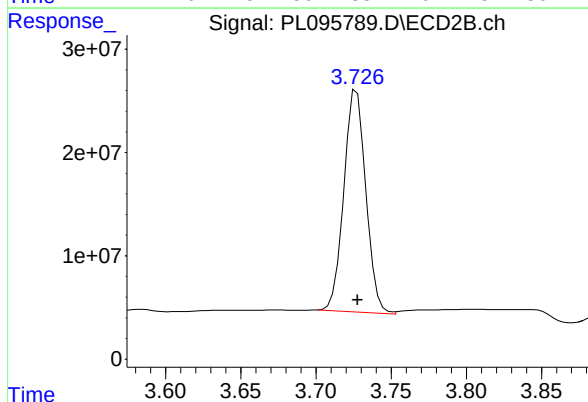
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: -0.007 min
Response: 187990742
Conc: 42.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

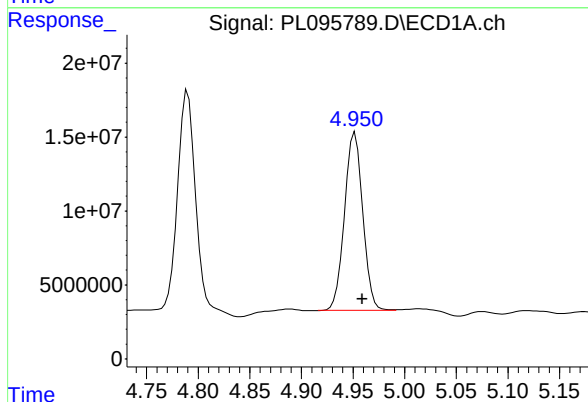
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



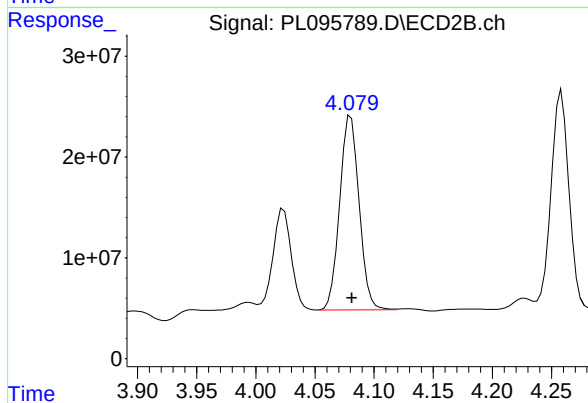
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 218758685
Conc: 39.06 ng/ml



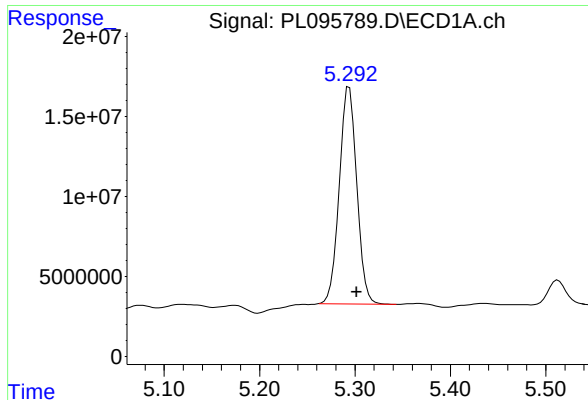
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: -0.008 min
Response: 148305517
Conc: 39.18 ng/ml m



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 219929836
Conc: 39.21 ng/ml



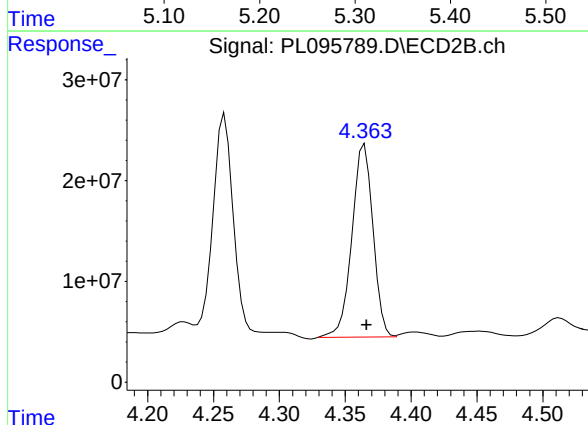
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: -0.008 min
Response: 173202740
Conc: 40.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

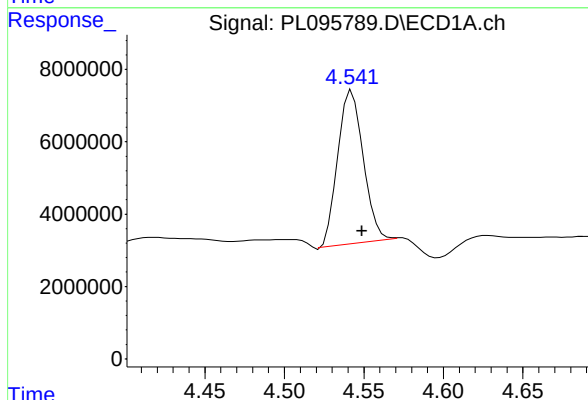
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



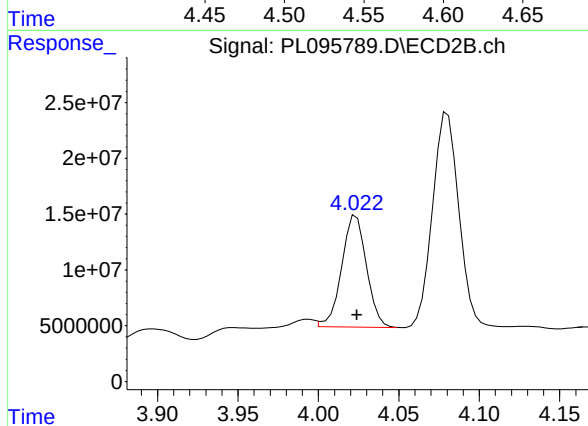
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 212496587
Conc: 40.04 ng/ml



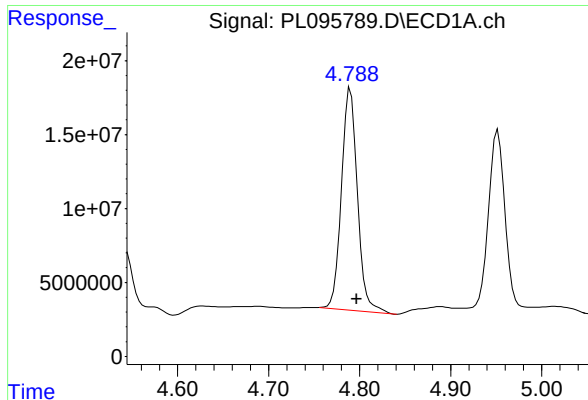
#6 beta-BHC

R.T.: 4.541 min
Delta R.T.: -0.008 min
Response: 47496913
Conc: 24.09 ng/ml m



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 107088457
Conc: 43.22 ng/ml m



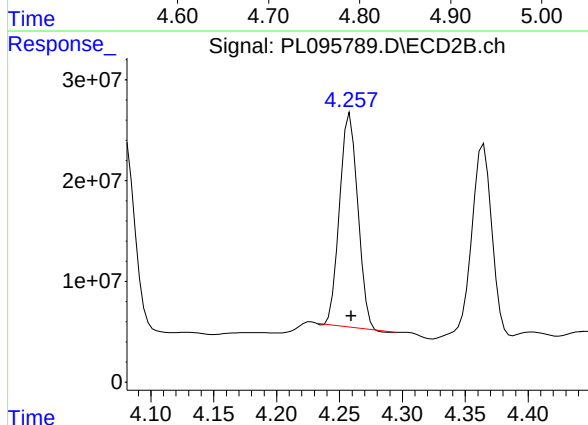
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: -0.007 min
Response: 182867461
Conc: 41.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

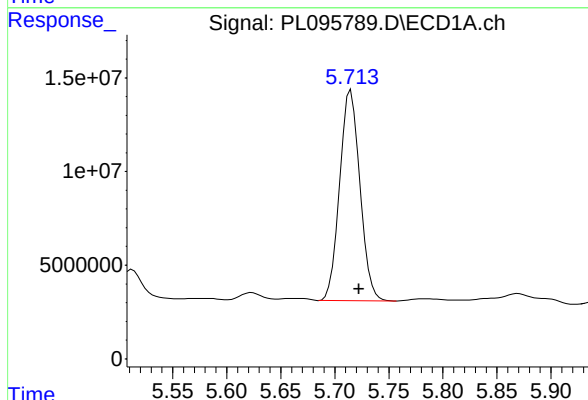
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



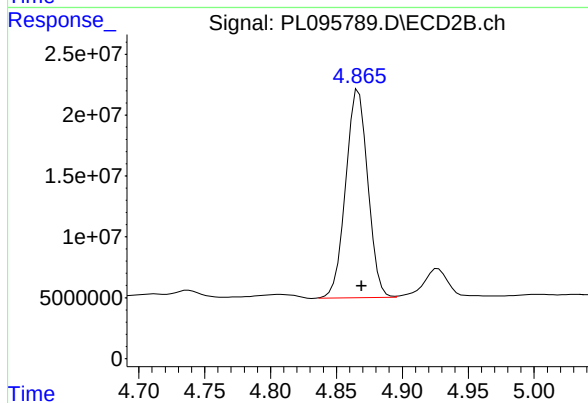
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 213578817
Conc: 37.82 ng/ml



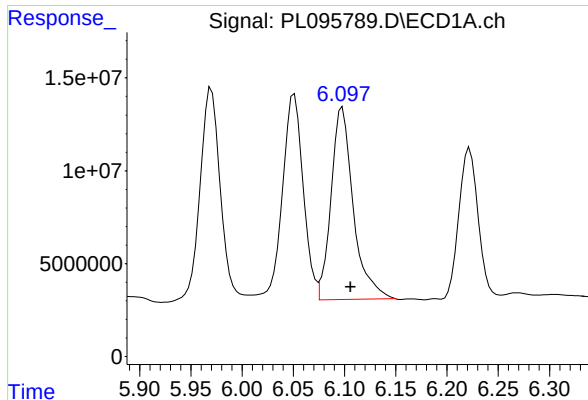
#8 Heptachlor epoxide

R.T.: 5.715 min
Delta R.T.: -0.007 min
Response: 146799889
Conc: 38.46 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 199028583
Conc: 40.31 ng/ml



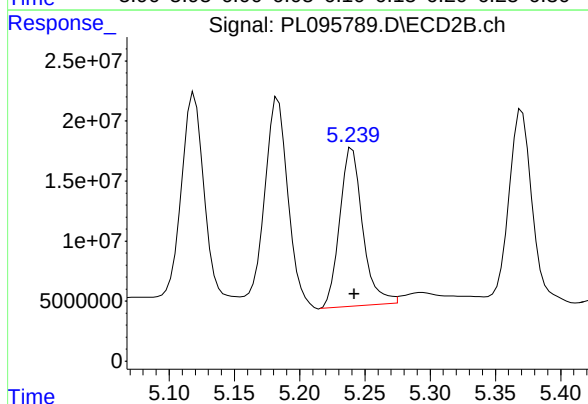
#9 Endosulfan I

R.T.: 6.098 min
Delta R.T.: -0.008 min
Response: 155530999
Conc: 42.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

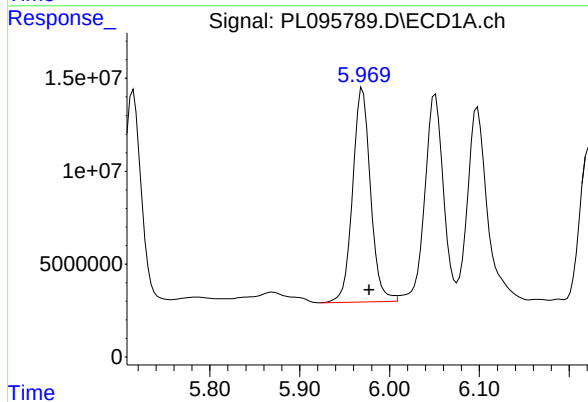
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



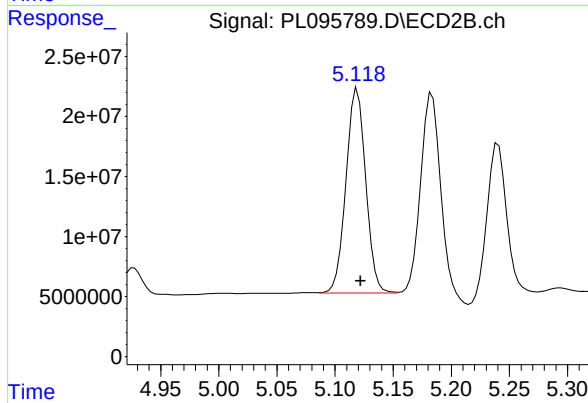
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.001 min
Response: 161623176
Conc: 33.92 ng/ml



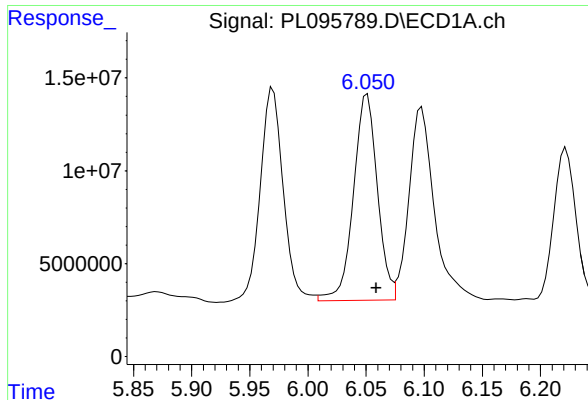
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 159471054
Conc: 40.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 200959030
Conc: 38.26 ng/ml m



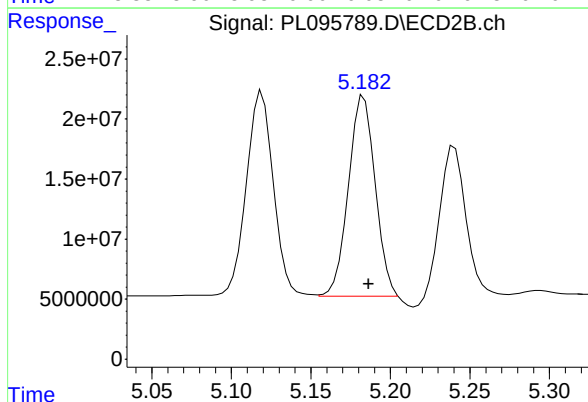
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 158685948
Conc: 40.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

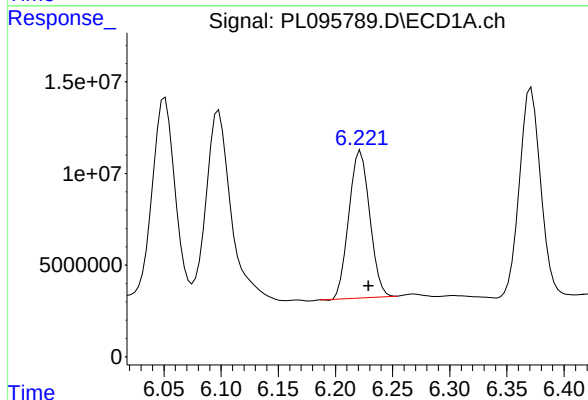
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



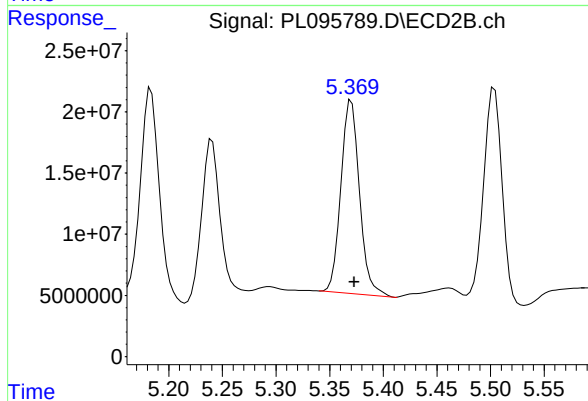
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 194709602
Conc: 37.42 ng/ml



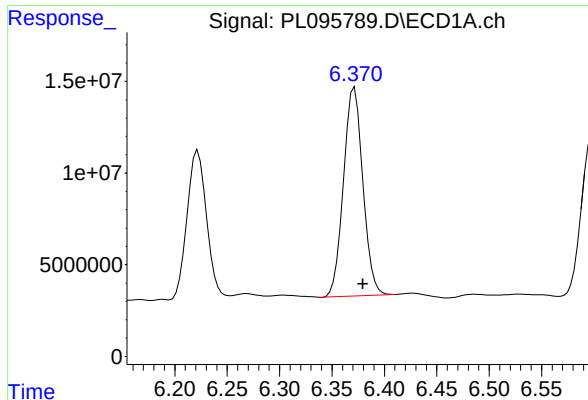
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 102522834
Conc: 27.95 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 191100650
Conc: 35.64 ng/ml



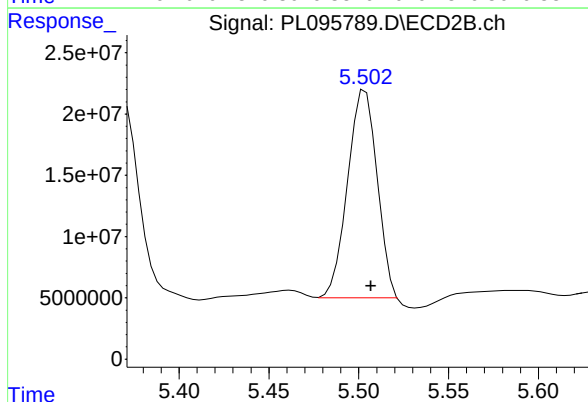
#13 Dieldrin

R.T.: 6.371 min
Delta R.T.: -0.008 min
Response: 146482161
Conc: 37.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

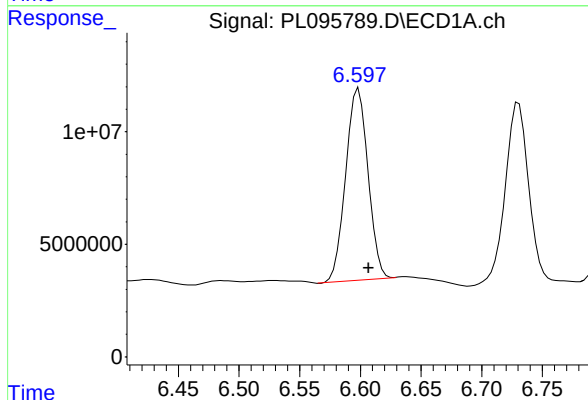
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



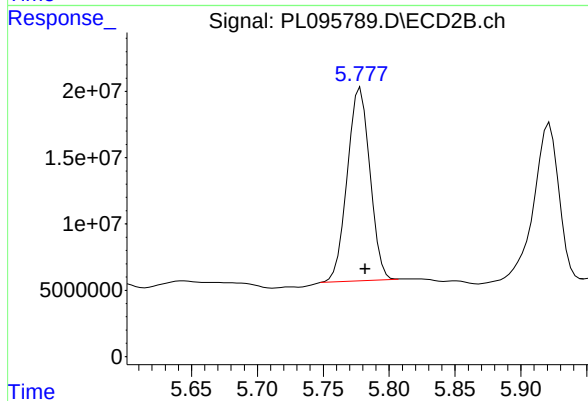
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 193438155
Conc: 36.50 ng/ml m



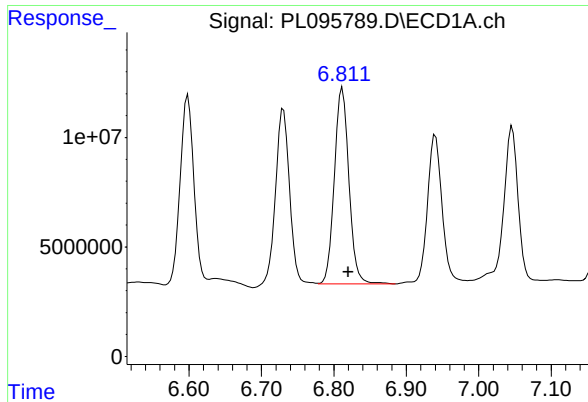
#14 Endrin

R.T.: 6.598 min
Delta R.T.: -0.008 min
Response: 109145926
Conc: 33.83 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 173805724
Conc: 35.64 ng/ml m



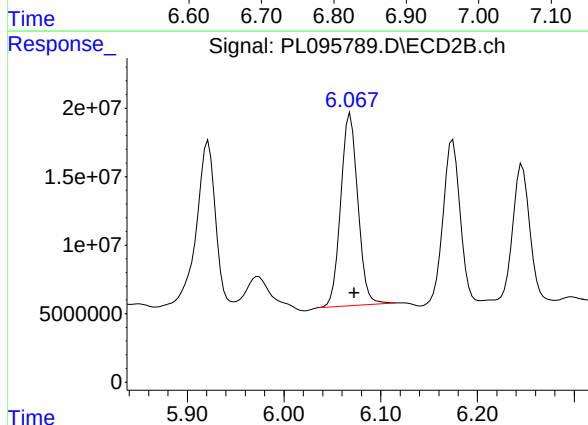
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 124885550
Conc: 36.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

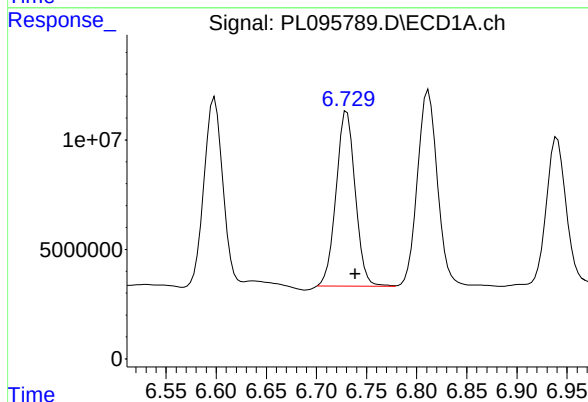
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



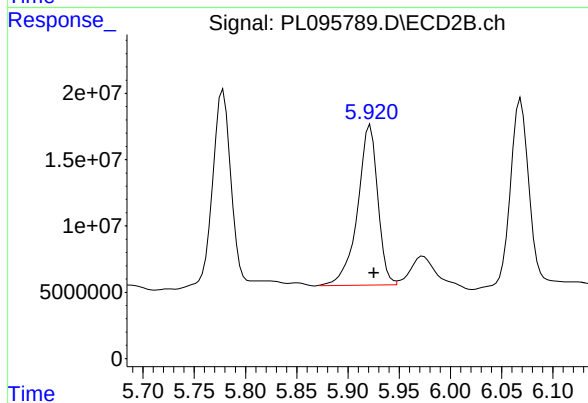
#15 Endosulfan II

R.T.: 6.067 min
Delta R.T.: -0.005 min
Response: 172620337
Conc: 36.33 ng/ml m



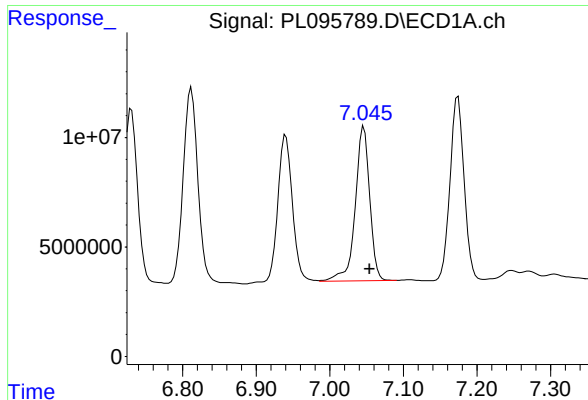
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.008 min
Response: 106205245
Conc: 36.24 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.005 min
Response: 165125689
Conc: 37.66 ng/ml m



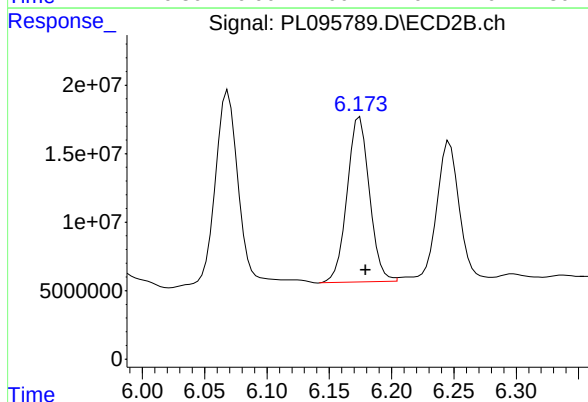
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.008 min
Response: 96269005
Conc: 35.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

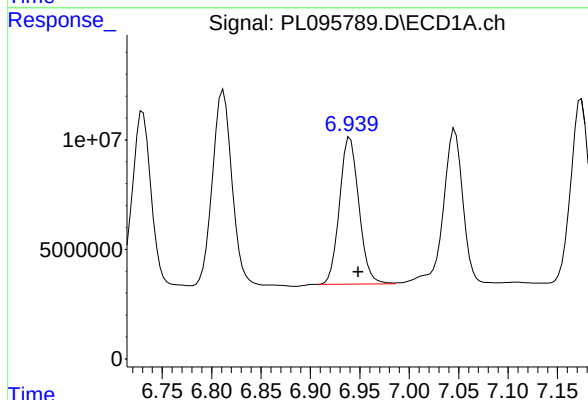
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



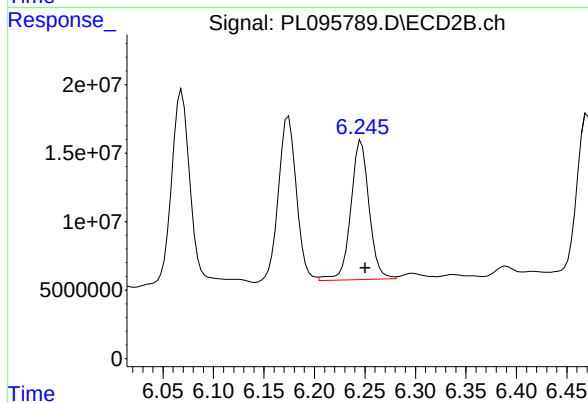
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 150187085
Conc: 31.40 ng/ml



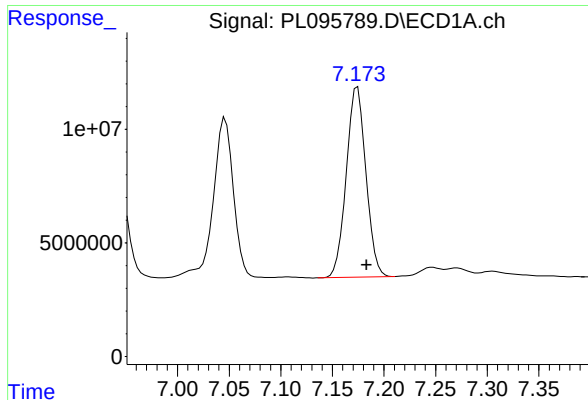
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.008 min
Response: 91378182
Conc: 37.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 128651377
Conc: 37.24 ng/ml



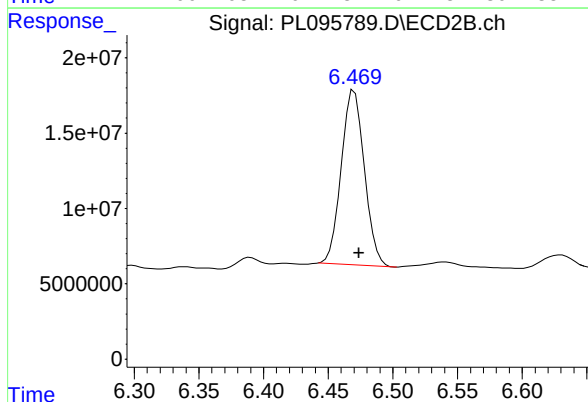
#19 Endosulfan Sulfate

R.T.: 7.174 min
Delta R.T.: -0.009 min
Response: 110757665
Conc: 37.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

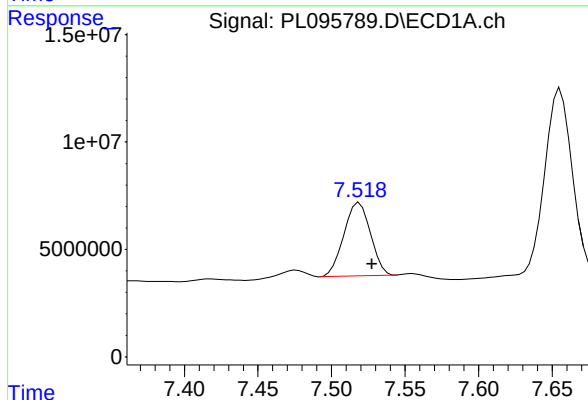
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



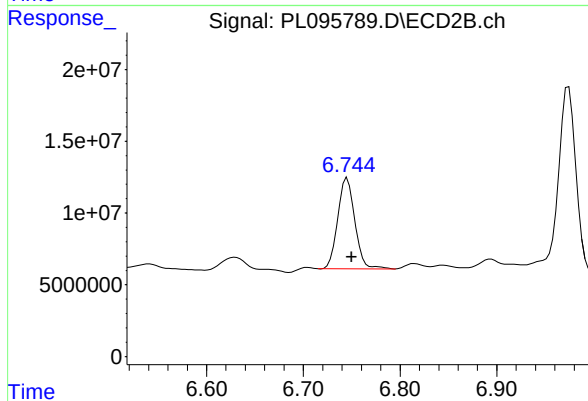
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.004 min
Response: 144177762
Conc: 32.08 ng/ml



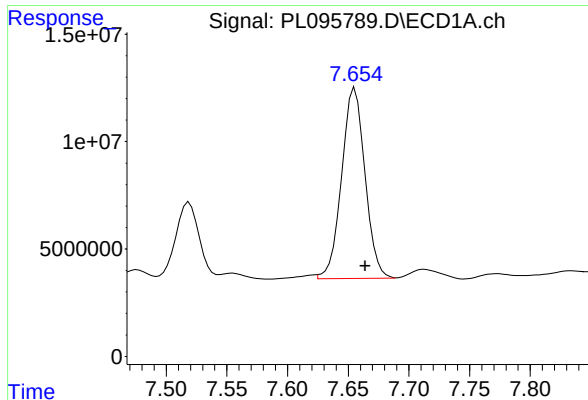
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.009 min
Response: 42957046
Conc: 33.68 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 78028939
Conc: 29.83 ng/ml



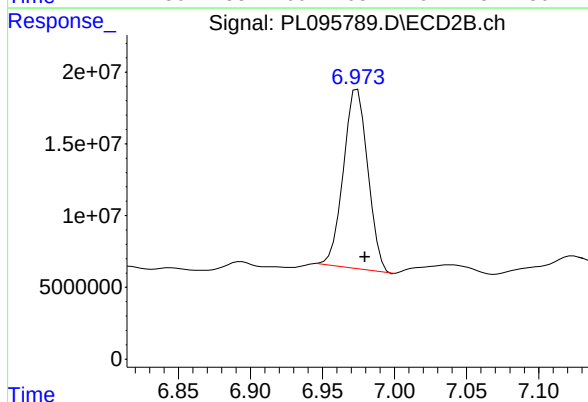
#21 Endrin ketone

R.T.: 7.654 min
Delta R.T.: -0.010 min
Response: 118458943
Conc: 37.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

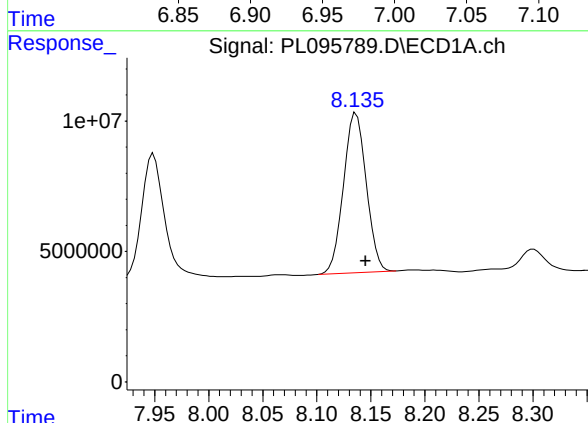
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



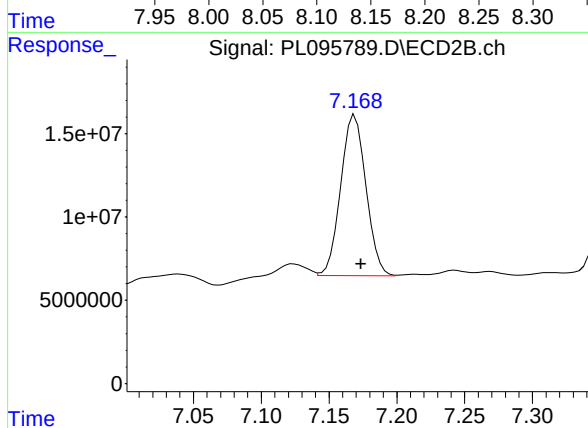
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.005 min
Response: 146467226
Conc: 28.31 ng/ml



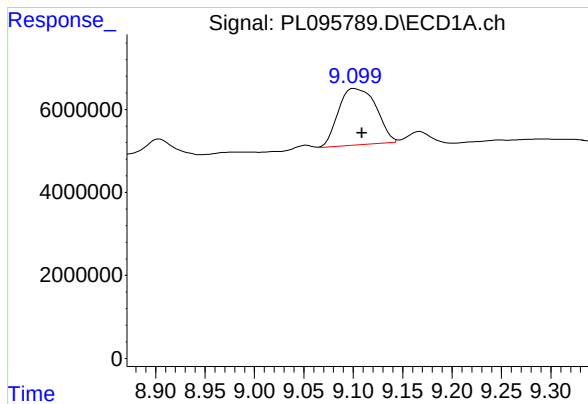
#22 Mirex

R.T.: 8.136 min
Delta R.T.: -0.009 min
Response: 90087969
Conc: 38.94 ng/ml



#22 Mirex

R.T.: 7.168 min
Delta R.T.: -0.006 min
Response: 124938694
Conc: 30.77 ng/ml m



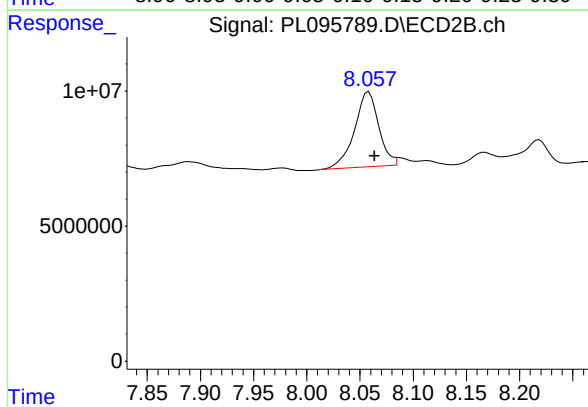
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 36190659
Conc: 15.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.007 min
Response: 44874245
Conc: 10.26 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/20/25
Project:	NJ Soil PT	Date Received:	05/22/25
Client Sample ID:	TP-02-MHFMSD	SDG No.:	Q1872
Lab Sample ID:	Q2109-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095790.D	1	05/23/25 09:19	05/27/25 12:12	PB168151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7	P	0.21	1.90	ug/kg
319-86-8	delta-BHC	16.0		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.3		0.16	1.90	ug/kg
76-44-8	Heptachlor	15.2		0.14	1.90	ug/kg
309-00-2	Aldrin	15.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.2		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.6		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.1		0.16	1.90	ug/kg
72-55-9	4,4-DDE	14.0		0.16	1.90	ug/kg
72-20-8	Endrin	14.7		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	14.8		0.33	1.90	ug/kg
72-54-8	4,4-DDD	14.4		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.3		0.15	1.90	ug/kg
50-29-3	4,4-DDT	13.8		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	15.6		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.9		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	15.8		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.1		0.17	1.90	ug/kg
2385-85-5	Mirex	28.1	P	0.19	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.6		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.9		19 - 148	60%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/20/25	
Project:	NJ Soil PT		Date Received:	05/22/25	
Client Sample ID:	TP-02-MHFMSD		SDG No.:	Q1872	
Lab Sample ID:	Q2109-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	87.3	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095790.D	1	05/23/25 09:19	05/27/25 12:12	PB168151

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_L\Data\PL052725\
 Data File : PL095790.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 12:12
 Operator : AR\AJ
 Sample : Q2109-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-02-MHFMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/29/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:29:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.571	2.883	37711082	46371764	11.952	11.848m
28) SA Decachlor...	9.101	8.058	34372180	45701047	14.587m	10.447m#
Target Compounds						
2) A alpha-BHC	4.023	3.394	196.1E6	249.0E6	40.440	42.518
3) MA gamma-BHC...	4.354	3.726	191.1E6	221.6E6	42.743	39.569m
4) MA Heptachlor	4.951	4.081	150.5E6	224.5E6	39.769m	40.032
5) MB Aldrin	5.294	4.365	175.8E6	220.1E6	41.098	41.469
6) B beta-BHC	4.541	4.022	51068464	108.7E6	25.905m	43.866m#
7) B delta-BHC	4.790	4.257	186.4E6	235.3E6	42.034	41.664m
8) B Heptachlo...	5.716	4.867	150.7E6	209.8E6	39.478	42.500
9) A Endosulfan I	6.099	5.240	160.2E6	143.0E6	43.708	30.004m#
10) B gamma-Chl...	5.970	5.119	164.6E6	207.7E6	42.296	39.534m
11) B alpha-Chl...	6.051	5.183	163.9E6	198.4E6	41.525	38.140m
12) B 4,4'-DDE	6.222	5.371	103.6E6	197.7E6	28.247	36.865 #
13) MA Dieldrin	6.372	5.503	149.4E6	223.7E6	38.702	42.199m
14) MA Endrin	6.599	5.778	110.6E6	188.6E6	34.276	38.681m
15) B Endosulfa...	6.812	6.069	125.4E6	184.5E6	36.388	38.822m
16) A 4,4'-DDD	6.731	5.922	110.3E6	166.3E6	37.644	37.923m
17) MA 4,4'-DDT	7.046	6.176	97744794	156.1E6	36.133	32.629
18) B Endrin al...	6.941	6.247	94455432	127.9E6	39.070	37.022m
19) B Endosulfa...	7.175	6.471	111.9E6	148.9E6	37.479	33.135
20) A Methoxychlor	7.519	6.746	43436925	80540192	34.059	30.786
21) B Endrin ke...	7.656	6.974	129.8E6	153.3E6	40.994	29.636m#
22) Mirex	8.137	7.169	170.9E6	128.0E6	73.870m	31.512m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 12:12
Operator : AR\AJ
Sample : Q2109-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-02-MHFMSD

Manual Integrations

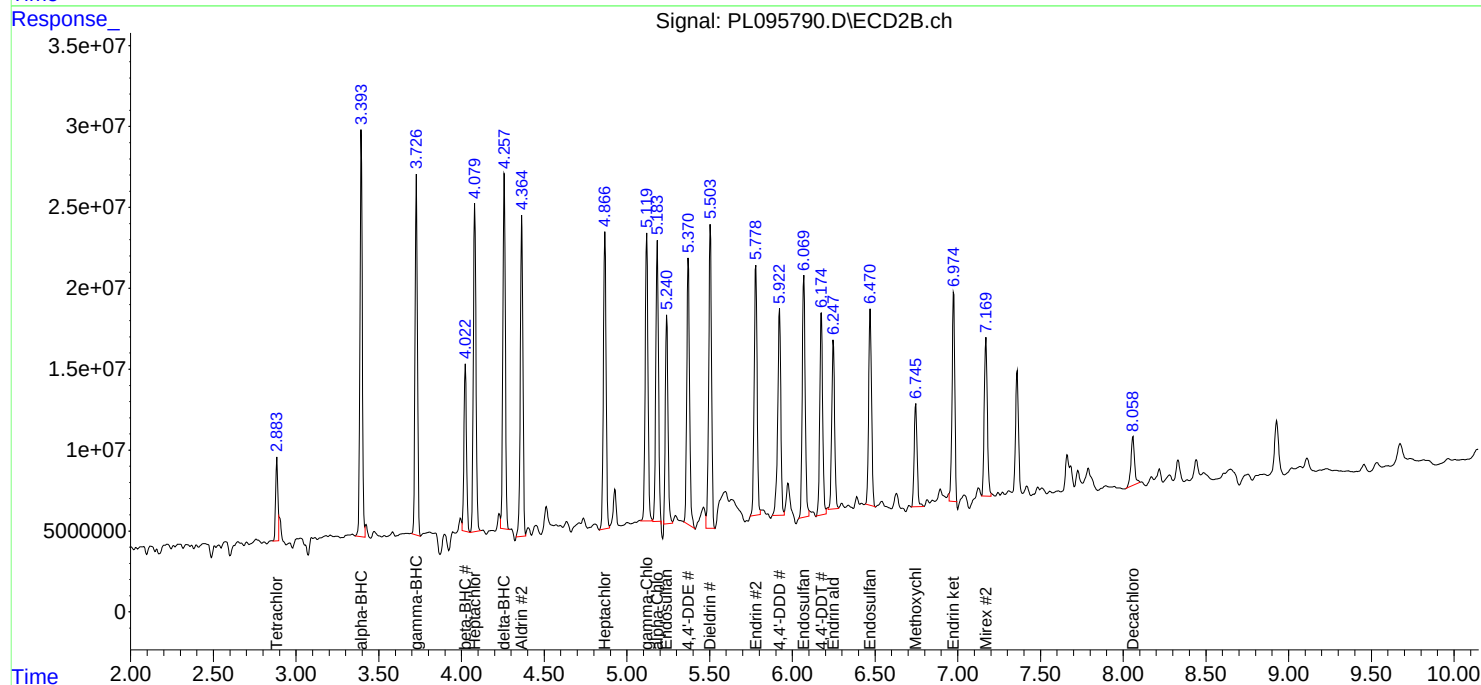
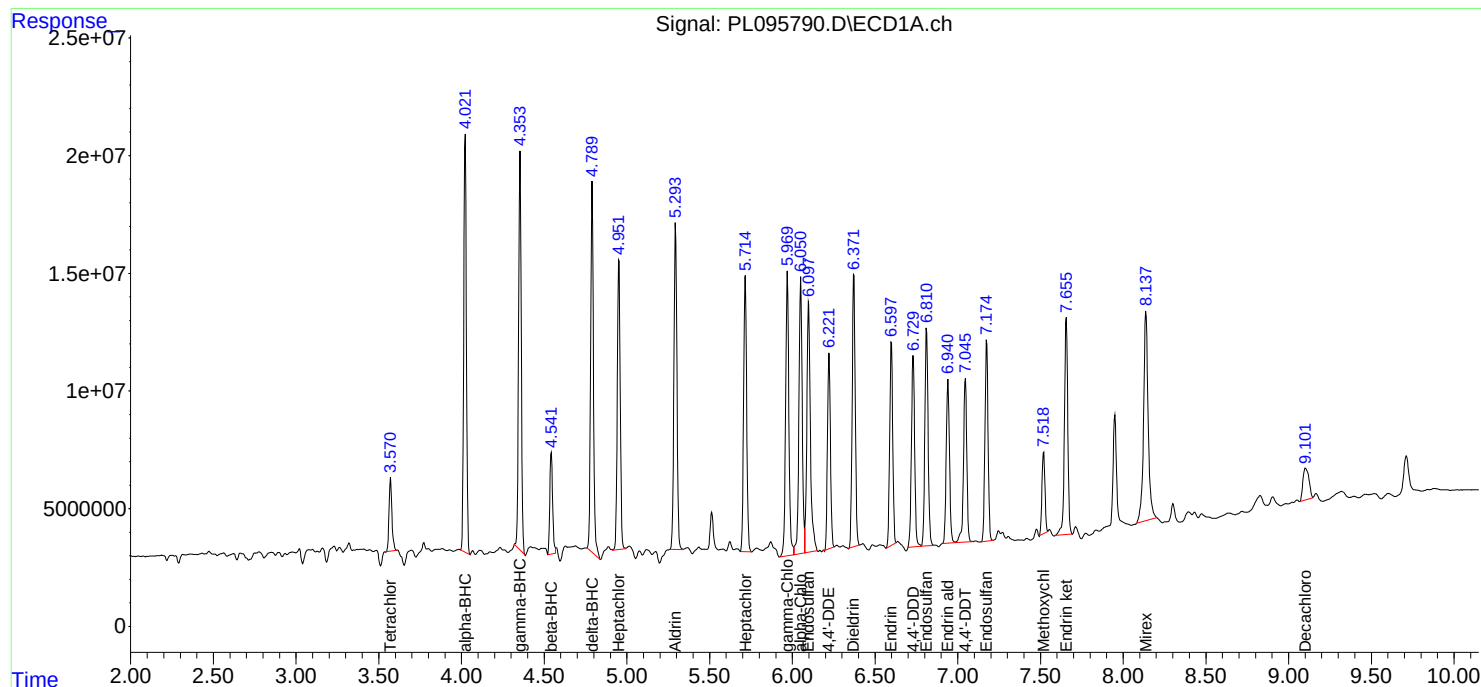
APPROVED

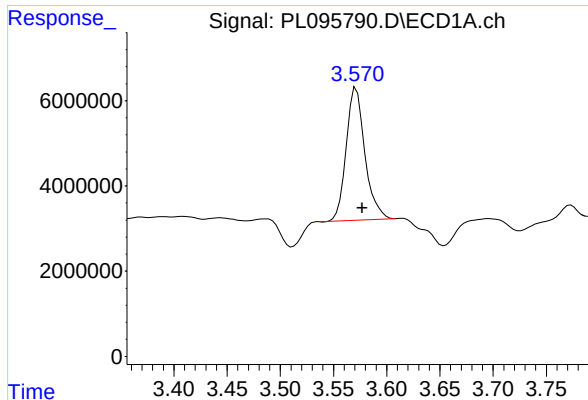
Reviewed By :Abdul Mirza 05/29/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:29:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





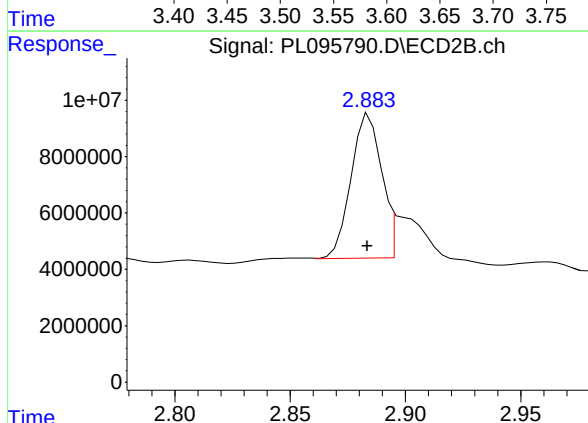
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 37711082
Conc: 11.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

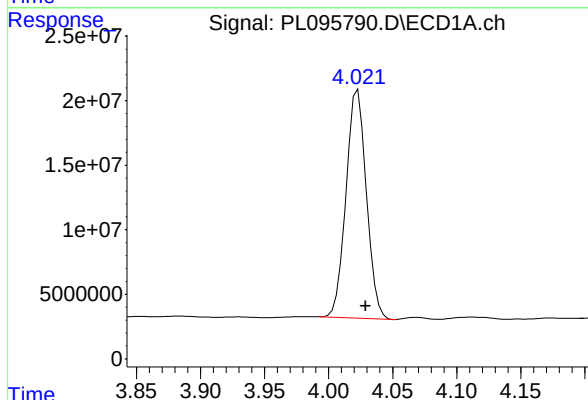
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



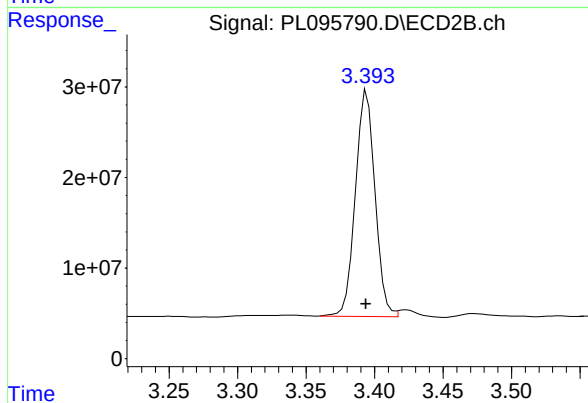
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 46371764
Conc: 11.85 ng/ml



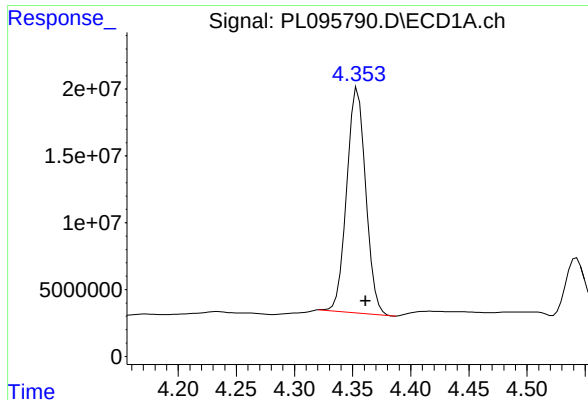
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 196050443
Conc: 40.44 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 249041488
Conc: 42.52 ng/ml



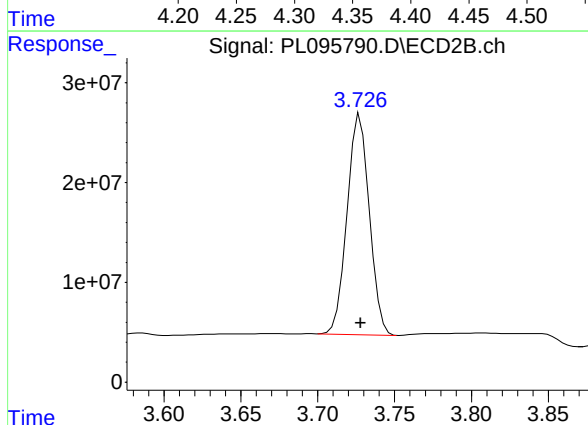
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: -0.007 min
Response: 191138823
Conc: 42.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

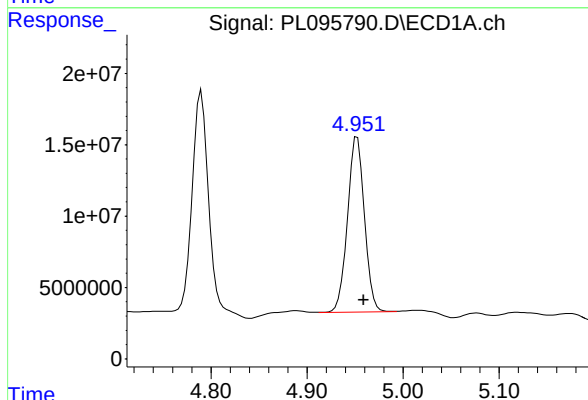
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



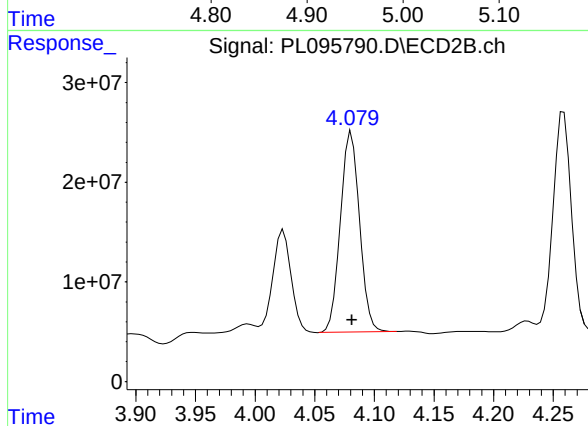
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.002 min
Response: 221637207
Conc: 39.57 ng/ml



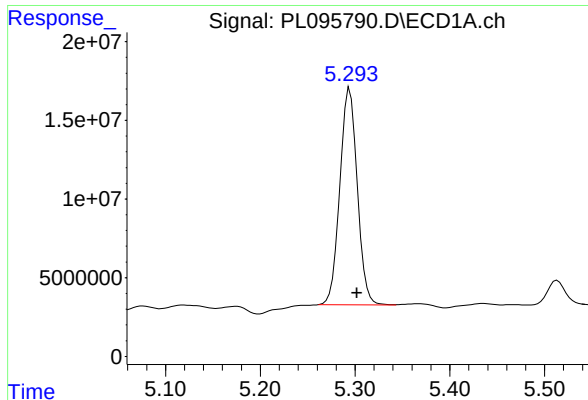
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: -0.008 min
Response: 150526123
Conc: 39.77 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 224539221
Conc: 40.03 ng/ml



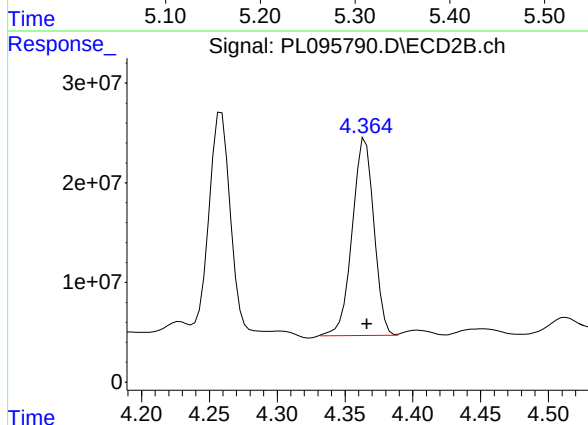
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: -0.007 min
Response: 175804576
Conc: 41.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

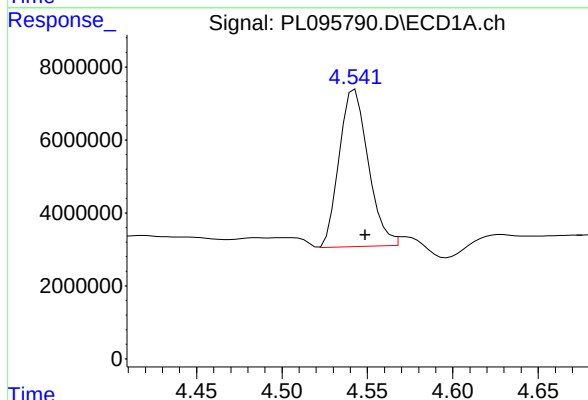
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



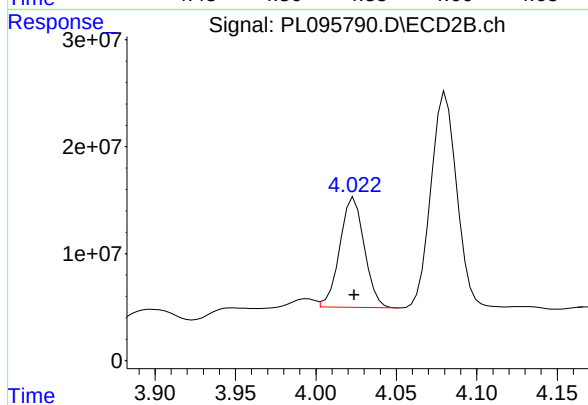
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.001 min
Response: 220078144
Conc: 41.47 ng/ml



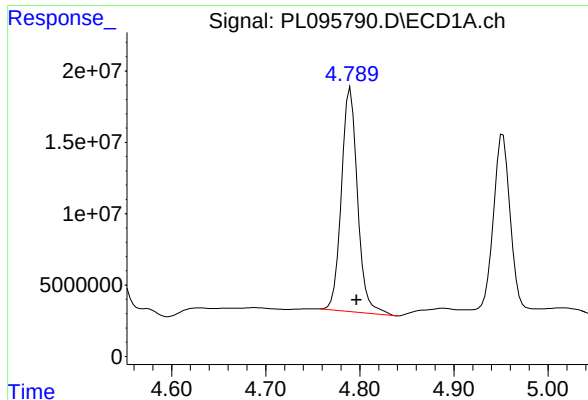
#6 beta-BHC

R.T.: 4.541 min
Delta R.T.: -0.007 min
Response: 51068464
Conc: 25.91 ng/ml m



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 108681559
Conc: 43.87 ng/ml m



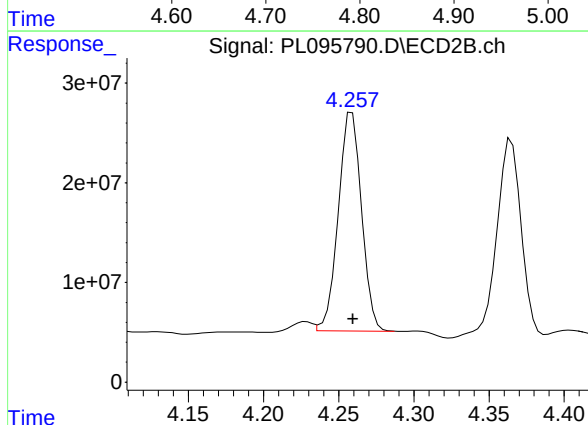
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 186360560
Conc: 42.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

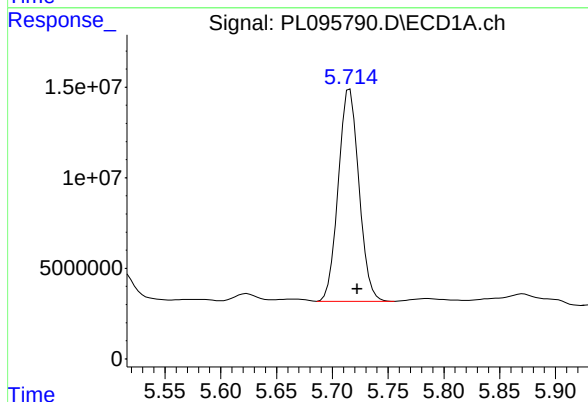
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



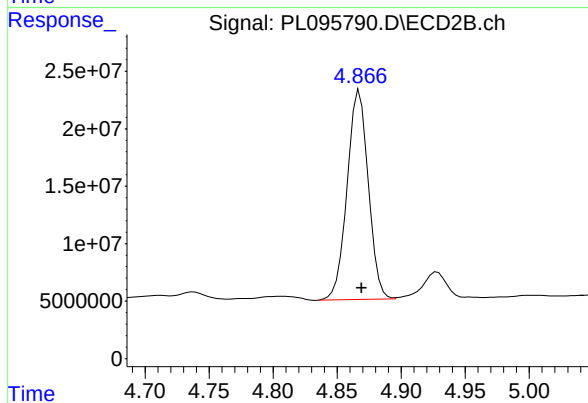
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 235293157
Conc: 41.66 ng/ml



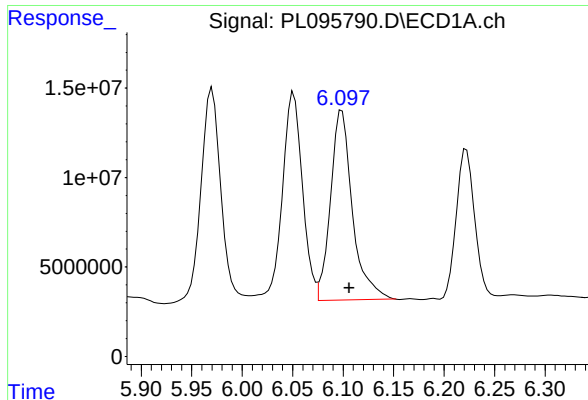
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 150682008
Conc: 39.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 209841271
Conc: 42.50 ng/ml



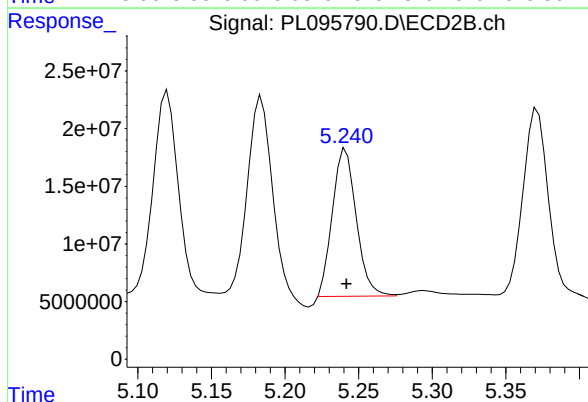
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 160183797
Conc: 43.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

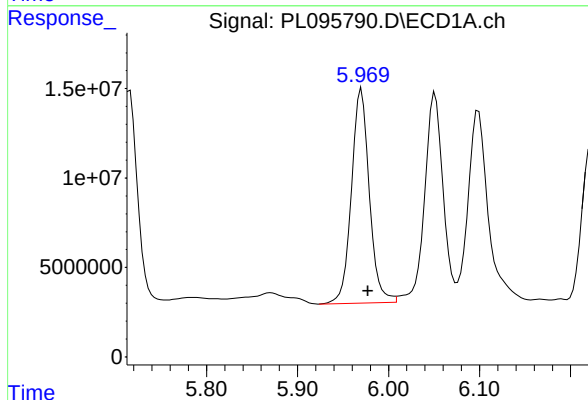
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



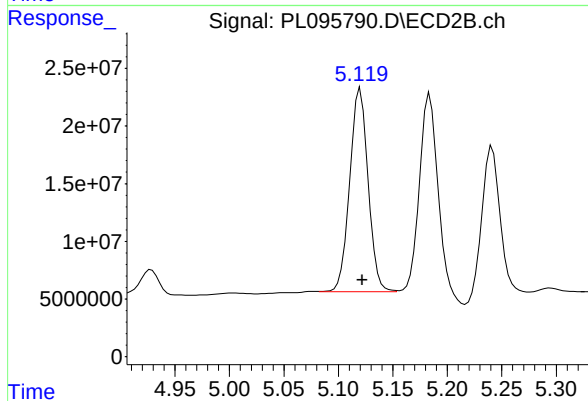
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 142968832
Conc: 30.00 ng/ml m



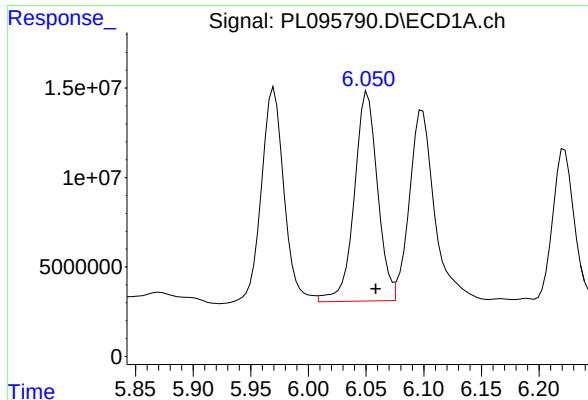
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 164621684
Conc: 42.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 207659492
Conc: 39.53 ng/ml m



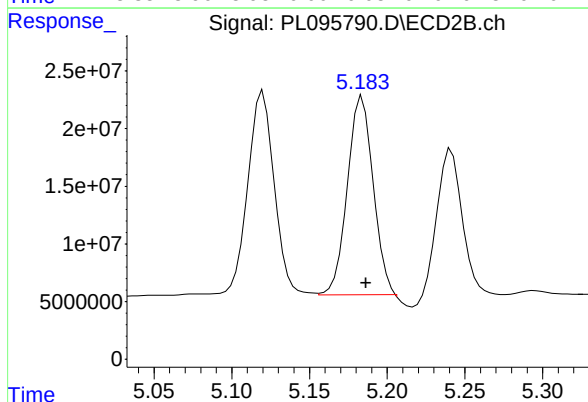
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 163946967
Conc: 41.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

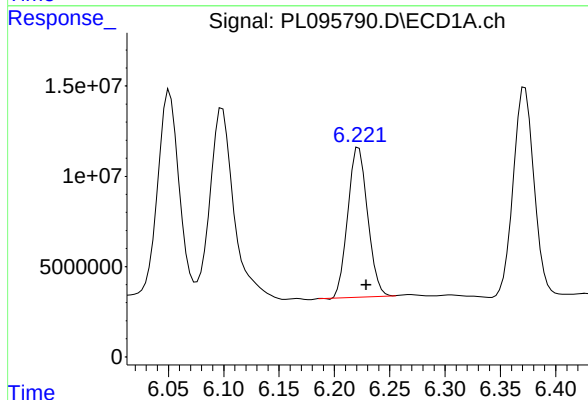
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



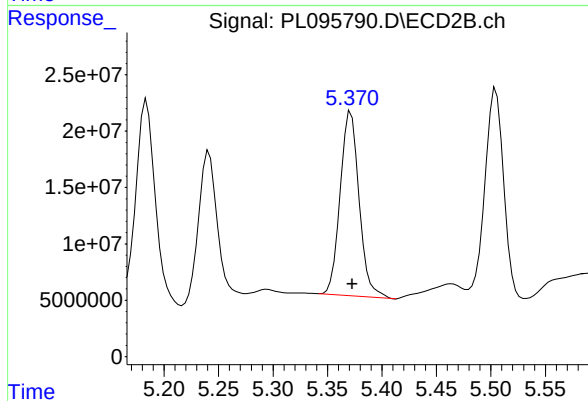
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.004 min
Response: 198433786
Conc: 38.14 ng/ml



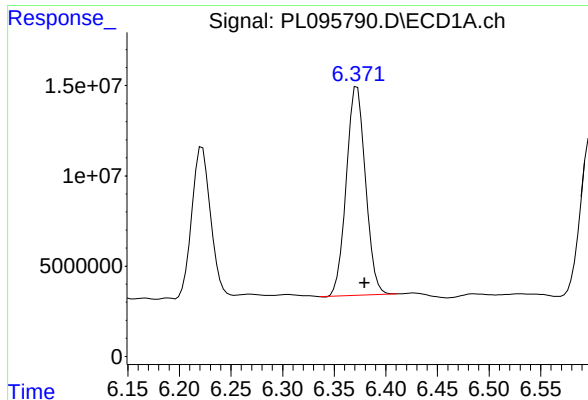
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 103606406
Conc: 28.25 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 197677315
Conc: 36.87 ng/ml



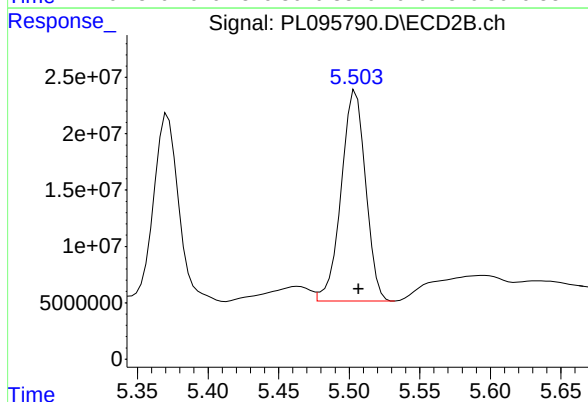
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 149358178
Conc: 38.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

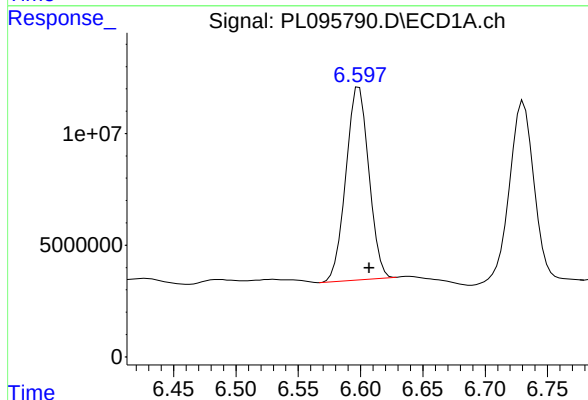
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



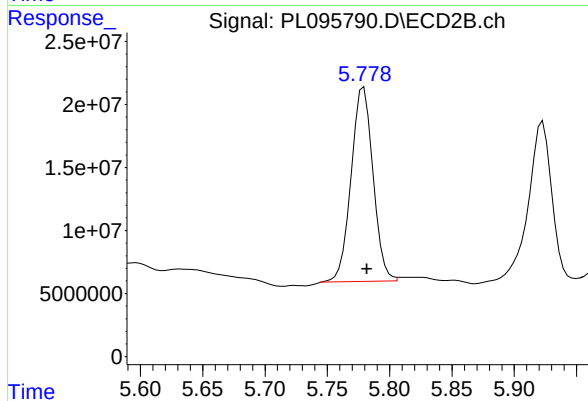
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 223657556
Conc: 42.20 ng/ml m



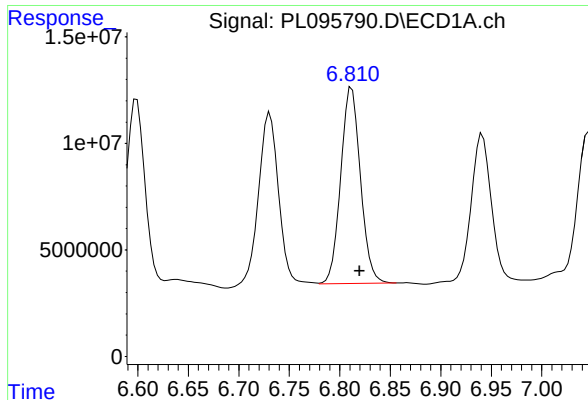
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 110599325
Conc: 34.28 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 188610967
Conc: 38.68 ng/ml m



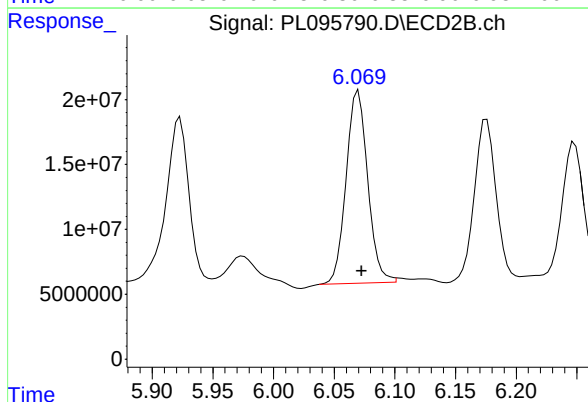
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 125395905
Conc: 36.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

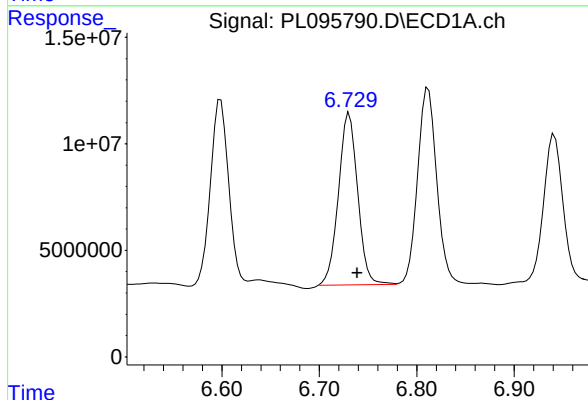
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



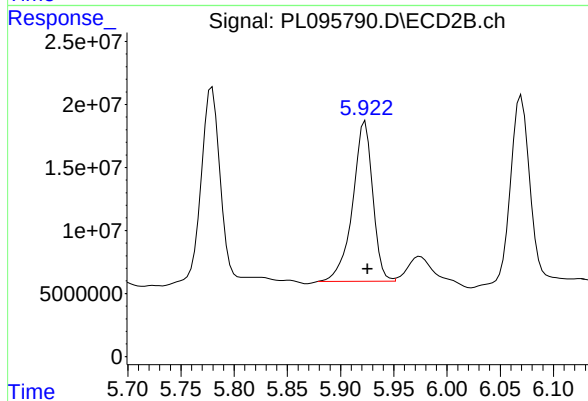
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.004 min
Response: 184475483
Conc: 38.82 ng/ml m



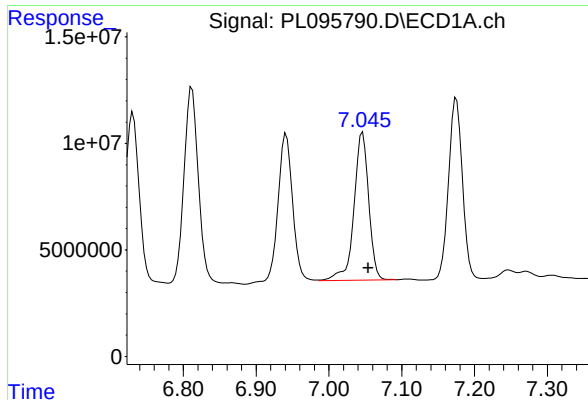
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 110320524
Conc: 37.64 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.004 min
Response: 166288793
Conc: 37.92 ng/ml m



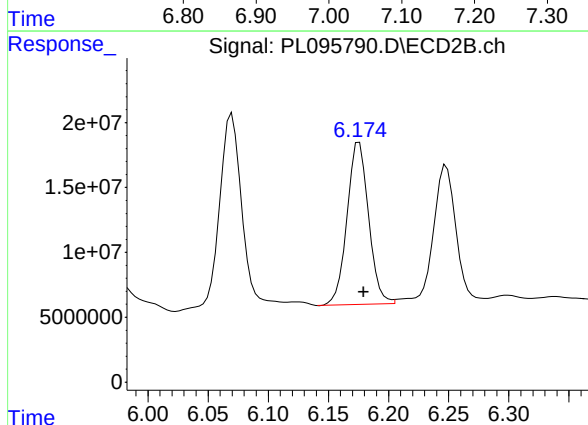
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.008 min
Response: 97744794
Conc: 36.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

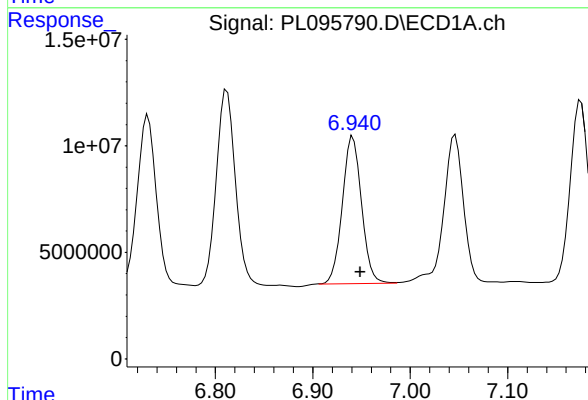
Manual Integrations
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Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



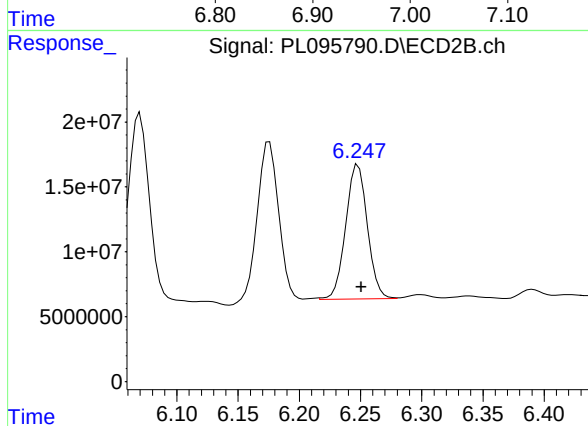
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.004 min
Response: 156050224
Conc: 32.63 ng/ml



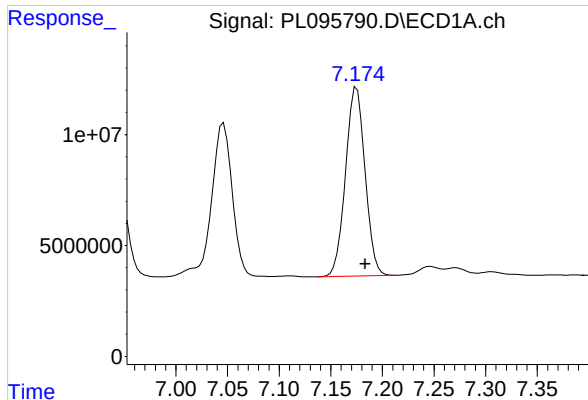
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: -0.007 min
Response: 94455432
Conc: 39.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 127885002
Conc: 37.02 ng/ml m



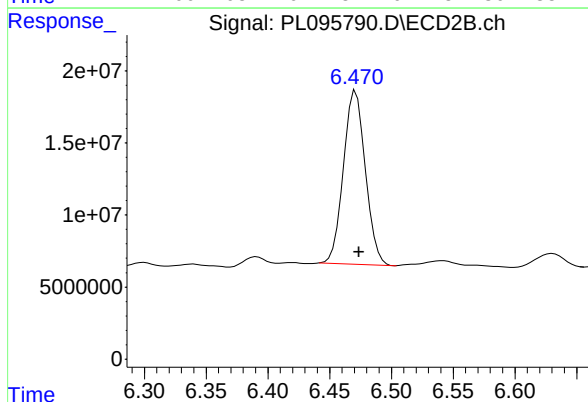
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: -0.008 min
Response: 111948082
Conc: 37.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

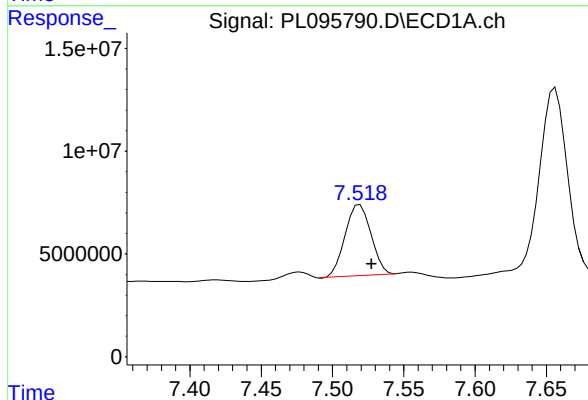
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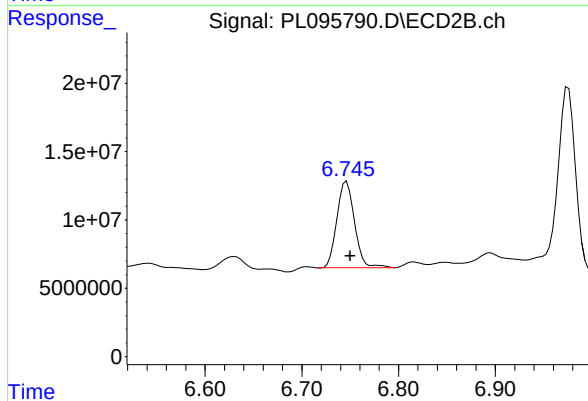
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 148934657
Conc: 33.14 ng/ml



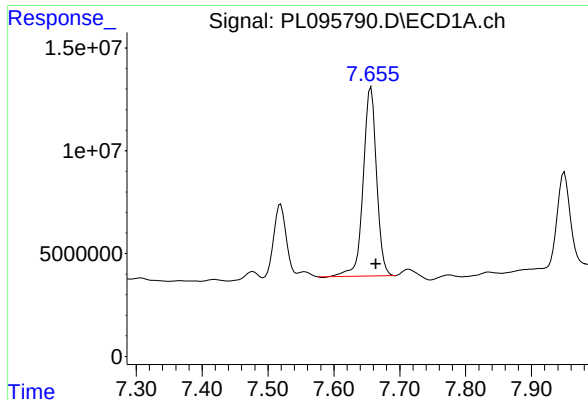
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.008 min
Response: 43436925
Conc: 34.06 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 80540192
Conc: 30.79 ng/ml



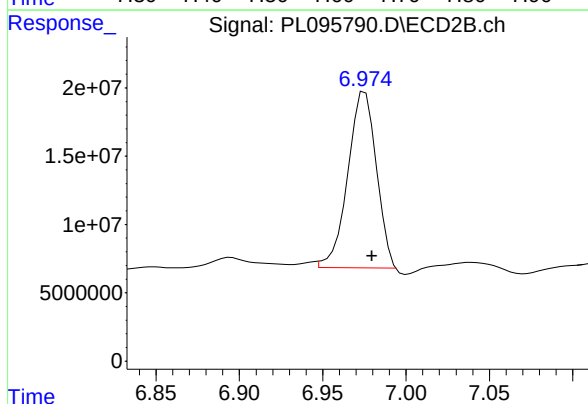
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 129825737
Conc: 40.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

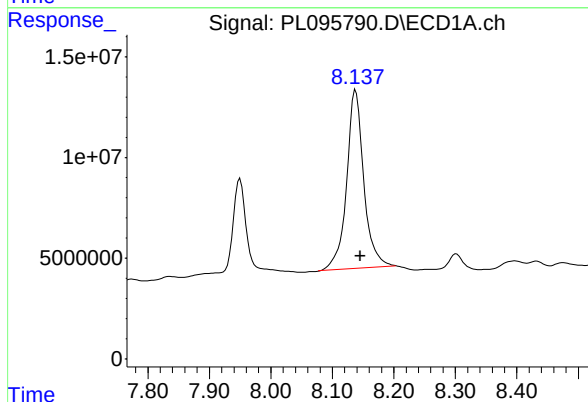
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025



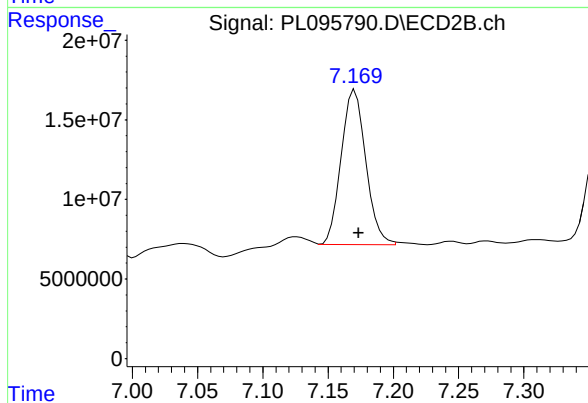
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.006 min
Response: 153333017
Conc: 29.64 ng/ml m



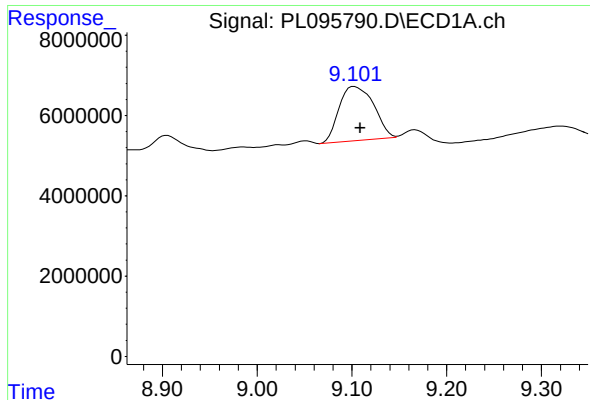
#22 Mirex

R.T.: 8.137 min
Delta R.T.: -0.009 min
Response: 170917837
Conc: 73.87 ng/ml m



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.004 min
Response: 127955567
Conc: 31.51 ng/ml m



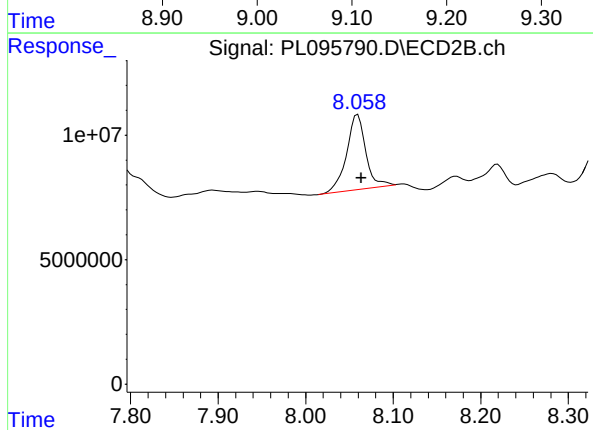
#28 Decachlorobiphenyl

R.T.: 9.101 min
Delta R.T.: -0.008 min
Response: 34372180
Conc: 14.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

Manual Integrations
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Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 45701047
Conc: 10.45 ng/ml m

Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software



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Manual Integration Report

Sequence:

PL052125

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PL052725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095780.D	4,4"-DDD	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	4,4"-DDD #2	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	beta-BHC #2	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	Endrin aldehyde	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	Endrin aldehyde #2	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	Endrin ketone	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	Endrin ketone #2	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PEM	PL095780.D	Methoxychlor	Abdul	5/28/2025 8:11:00 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PB168151BS	PL095783.D	4,4"-DDE #2	Abdul	5/28/2025 8:11:06 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20	PL095784.D	4,4"-DDD #2	Abdul	5/28/2025 8:11:09 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20	PL095784.D	Tetrachloro-m-xylene	Abdul	5/28/2025 8:11:09 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	4,4"-DDD #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	4,4"-DDE #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software

Manual Integration Report

Sequence:	PL052725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1872-20DL	PL095785.D	Decachlorobiphenyl	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Endosulfan II #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Endrin #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Endrin ketone	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Endrin ketone #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	gamma-BHC (Lindane) #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Heptachlor	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Methoxychlor #2	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q1872-20DL	PL095785.D	Tetrachloro-m-xylene	Abdul	5/28/2025 8:11:14 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	4,4"-DDD #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	alpha-Chlordane #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	beta-BHC	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	beta-BHC #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software

Manual Integration Report

Sequence:

PL052725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2109-01MS	PL095789.D	Decachlorobiphenyl	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Decachlorobiphenyl #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Dieldrin #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Endosulfan II #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Endrin #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Endrin ketone	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	gamma-Chlordane #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Heptachlor	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Mirex #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MS	PL095789.D	Tetrachloro-m-xylene #2	Abdul	5/29/2025 8:14:58 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	4,4"-DDD #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	alpha-Chlordane #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	beta-BHC	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software

Manual Integration Report

Sequence:

PL052725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2109-01MSD	PL095790.D	beta-BHC #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Decachlorobiphenyl	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Decachlorobiphenyl #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	delta-BHC #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Dieldrin #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Endosulfan I #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Endosulfan II #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Endrin #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Endrin aldehyde #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Endrin ketone #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	gamma-BHC (Lindane) #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	gamma-Chlordane #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Heptachlor	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software

Manual Integration Report

Sequence:

PL052725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2109-01MSD	PL095790.D	Mirex	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Mirex #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
Q2109-01MSD	PL095790.D	Tetrachloro-m-xylene #2	Abdul	5/29/2025 8:15:03 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PSTDCCC050	PL095792.D	Endrin ketone #2	Abdul	5/28/2025 8:11:44 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095793.D	Chlordane-1	Abdul	5/29/2025 8:15:08 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095793.D	Chlordane-2	Abdul	5/29/2025 8:15:08 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095793.D	Chlordane-3 #2	Abdul	5/29/2025 8:15:08 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095793.D	Chlordane-5	Abdul	5/29/2025 8:15:08 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095799.D	Chlordane-1	Abdul	5/29/2025 8:15:23 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095799.D	Chlordane-2	Abdul	5/29/2025 8:15:23 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095799.D	Chlordane-3 #2	Abdul	5/29/2025 8:15:23 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software
PCHLORCCC500	PL095799.D	Chlordane-5	Abdul	5/29/2025 8:15:23 AM	mohammad	5/30/2025 1:44:22	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL052725

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL095752.D	21 May 2025 15:26	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052725

Review By	Abdul	Review On	5/28/2025 8:12:03 AM
Supervise By	mohammad	Supervise On	5/30/2025 1:44:22 AM
SubDirectory	PL052725	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095778.D	27 May 2025 08:24	AR\AJ	Ok
2	I.BLK	PL095779.D	27 May 2025 08:37	AR\AJ	Ok
3	PEM	PL095780.D	27 May 2025 08:51	AR\AJ	Ok,M
4	PSTDCCC050	PL095781.D	27 May 2025 09:04	AR\AJ	Ok
5	PB168151BL	PL095782.D	27 May 2025 09:24	AR\AJ	Ok
6	PB168151BS	PL095783.D	27 May 2025 10:01	AR\AJ	Ok,M
7	Q1872-20	PL095784.D	27 May 2025 10:16	AR\AJ	Dilution
8	Q1872-20DL	PL095785.D	27 May 2025 10:52	AR\AJ	Ok,M
9	Q2109-01	PL095786.D	27 May 2025 11:18	AR\AJ	Ok,M
10	Q2112-01	PL095787.D	27 May 2025 11:31	AR\AJ	Ok,M
11	Q2113-01	PL095788.D	27 May 2025 11:45	AR\AJ	Ok,M
12	Q2109-01MS	PL095789.D	27 May 2025 11:58	AR\AJ	Ok,M
13	Q2109-01MSD	PL095790.D	27 May 2025 12:12	AR\AJ	Ok,M
14	I.BLK	PL095791.D	27 May 2025 12:42	AR\AJ	Ok
15	PSTDCCC050	PL095792.D	27 May 2025 13:19	AR\AJ	Ok,M
16	PCHLORCCC500	PL095793.D	27 May 2025 14:52	AR\AJ	Ok,M
17	PB168152BL	PL095794.D	27 May 2025 15:19	AR\AJ	Ok
18	PB168152BS	PL095795.D	27 May 2025 15:33	AR\AJ	Ok,M
19	Q1872-21	PL095796.D	27 May 2025 16:03	AR\AJ	Ok,M
20	I.BLK	PL095797.D	27 May 2025 16:30	AR\AJ	Ok
21	PSTDCCC050	PL095798.D	27 May 2025 16:44	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052725

Review By	Abdul	Review On	5/28/2025 8:12:03 AM
Supervise By	mohammad	Supervise On	5/30/2025 1:44:22 AM
SubDirectory	PL052725	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PCHLORCCC500	PL095799.D	27 May 2025 17:00	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method
			pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052725

Review By	Abdul	Review On	5/28/2025 8:12:03 AM
Supervise By	mohammad	Supervise On	5/30/2025 1:44:22 AM
SubDirectory	PL052725	HP Acquire Method	HP Processing Method
			pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095778.D	27 May 2025 08:24		AR\AJ	Ok
2	I.BLK	I.BLK	PL095779.D	27 May 2025 08:37		AR\AJ	Ok
3	PEM	PEM	PL095780.D	27 May 2025 08:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095781.D	27 May 2025 09:04		AR\AJ	Ok
5	PB168151BL	PB168151BL	PL095782.D	27 May 2025 09:24		AR\AJ	Ok
6	PB168151BS	PB168151BS	PL095783.D	27 May 2025 10:01		AR\AJ	Ok,M
7	Q1872-20	HW0425-PT-PEST-SO	PL095784.D	27 May 2025 10:16	need 10x	AR\AJ	Dilution
8	Q1872-20DL	HW0425-PT-PEST-SO	PL095785.D	27 May 2025 10:52		AR\AJ	Ok,M
9	Q2109-01	TP-02-MHF	PL095786.D	27 May 2025 11:18		AR\AJ	Ok,M
10	Q2112-01	EO-03-05222025	PL095787.D	27 May 2025 11:31		AR\AJ	Ok,M
11	Q2113-01	HD-02-05222025	PL095788.D	27 May 2025 11:45		AR\AJ	Ok,M
12	Q2109-01MS	TP-02-MHFMS	PL095789.D	27 May 2025 11:58		AR\AJ	Ok,M
13	Q2109-01MSD	TP-02-MHFMSD	PL095790.D	27 May 2025 12:12		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL095791.D	27 May 2025 12:42		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL095792.D	27 May 2025 13:19		AR\AJ	Ok,M
16	PCHLORCCC500	PCHLORCCC500	PL095793.D	27 May 2025 14:52		AR\AJ	Ok,M
17	PB168152BL	PB168152BL	PL095794.D	27 May 2025 15:19		AR\AJ	Ok
18	PB168152BS	PB168152BS	PL095795.D	27 May 2025 15:33	CHLOR BS	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052725

Review By	Abdul	Review On	5/28/2025 8:12:03 AM
Supervise By	mohammad	Supervise On	5/30/2025 1:44:22 AM
SubDirectory	PL052725	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1872-21	HW0425-PT-CHLR-SO	PL095796.D	27 May 2025 16:03		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095797.D	27 May 2025 16:30		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095798.D	27 May 2025 16:44		AR\AJ	Ok
22	PCHLORCCC500	PCHLORCCC500	PL095799.D	27 May 2025 17:00		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGP-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

VB 135545

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time 04/24/25 15:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/24/25 17:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 04/24/25 17:25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time

04/24/25 15:30

Raw Sample Received by:

220001

Raw Sample Relinquished by:

SH

Date/Time

04/24/23 17:25

Raw Sample Received by:

SH

Raw Sample Relinquished by:

SH



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

W3 B55F5

WorkList Name : %1-042825

WorkList ID : 189159

Department : Wet-Chemistry

Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15

Raw Sample Received by: JO WOC

Raw Sample Relinquished by: [Signature]

Date/Time 04/28/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: JO WOC

WORKLIST(Hardcopy Internal Chain)

WB 135575

WorkList Name : %1-042825

WorkList ID : 189159

Department : Wet-Chemistry

Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: SO WELC
 Raw Sample Relinquished by: CP

Date/Time 04/28/25 17:30
 Raw Sample Received by: CP
 Raw Sample Relinquished by: SO WELC

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil **Extraction Start Date :** 05/23/2025

Matrix : Solid **Extraction Start Time :** 09:19

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 05/23/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 12:25

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3934
Florisil	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/23/25	RS (B&B)	Y-P PestHUB.
12:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/23/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/ Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168151BL	PBLK151	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168151BS	PLCS151	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1872-20	HW0425-PT-PEST-SOIL	PESTICIDE Group1	30.11	N/A	ritesh	Evelyn	10	A		3
Q2109-01	TP-02-MHF	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2109-01MS	TP-02-MHFMS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q2109-01MS D	TP-02-MHFMSD	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		6
Q2112-01	EO-03-05222025	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q2113-01	HD-02-05222025	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2

Rs
5/23

168151
9:19

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2109

WorkList ID : 189740

Department : Extraction

Date : 05-23-2025 08:44:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-20	HW0425-PT-PEST-SOIL	Solid	PESTICIDE Group1	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8081B
Q2109-01	TP-02-MHF	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	05/20/2025	8081B
Q2112-01	EO-03-05222025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	05/22/2025	8081B
Q2113-01	HD-02-05222025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	05/22/2025	8081B

Date/Time

5/23/25 9:15

Raw Sample Received by:

RJ (Ext Lab)

Raw Sample Relinquished by:

CP

Date/Time

5/23/25 9:35

Raw Sample Received by:

CP

Raw Sample Relinquished by:

RJ (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q1872
Test : PESTICIDE Group1

Prepbatch ID : PB168151,
Sequence ID/Qc Batch ID: PL052725,

Standard ID :

EP2613,EP2614,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24597,

Chemical ID :

E2865,E3551,E3806,E3847,E3876,E3877,E3914,E3932,E3933,E3934,P12603,P12611,P13037,P13040,P13195,P13245,P13356,P13357,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel
05/09/2025								

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml								

[illegible]

<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	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

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	05/12/2025 / RUPESH	04/23/2025 / RUPESH	E3934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

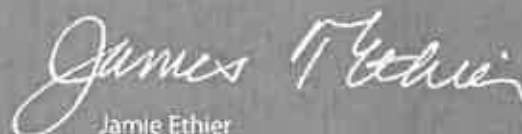
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**TM



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

E3933



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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

E3934

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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

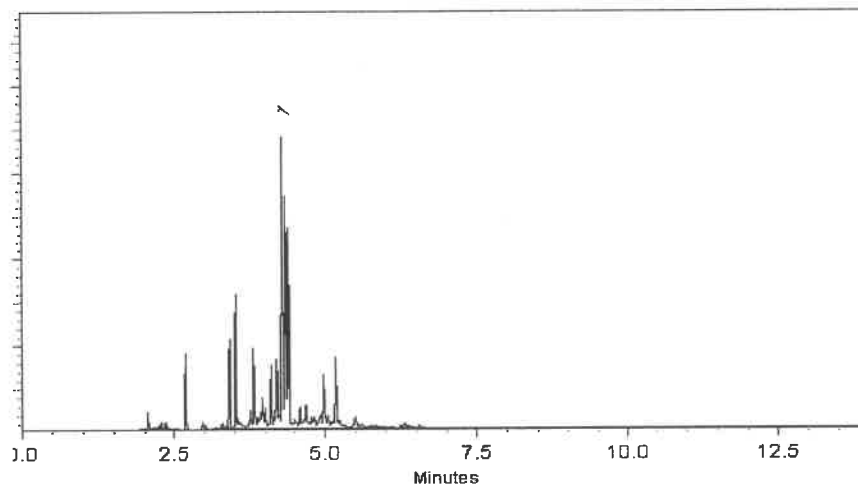
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P 12611
↓
P 12615
⑤
CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 P13043
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 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

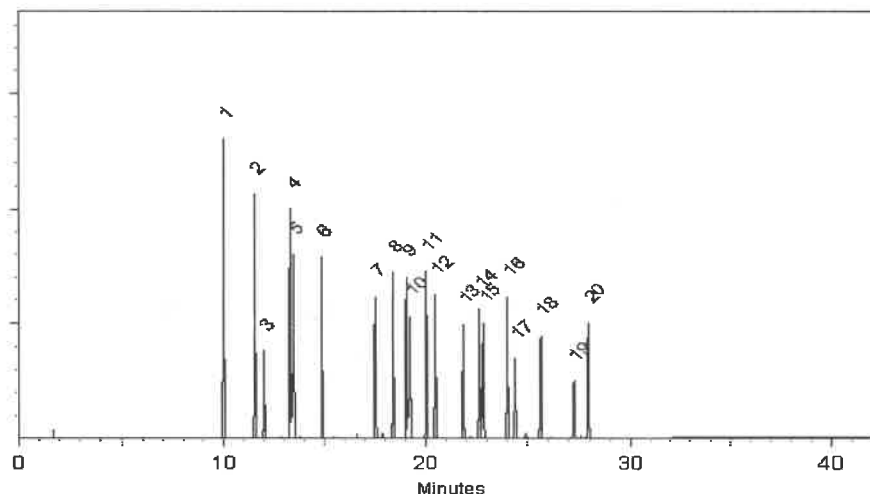
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



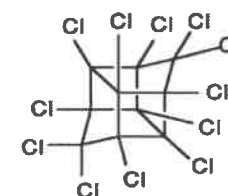
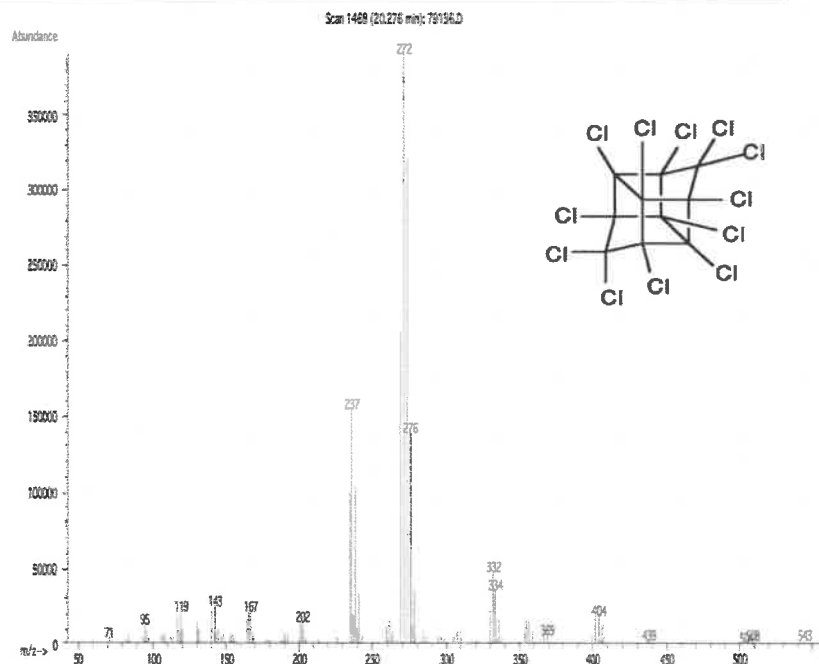
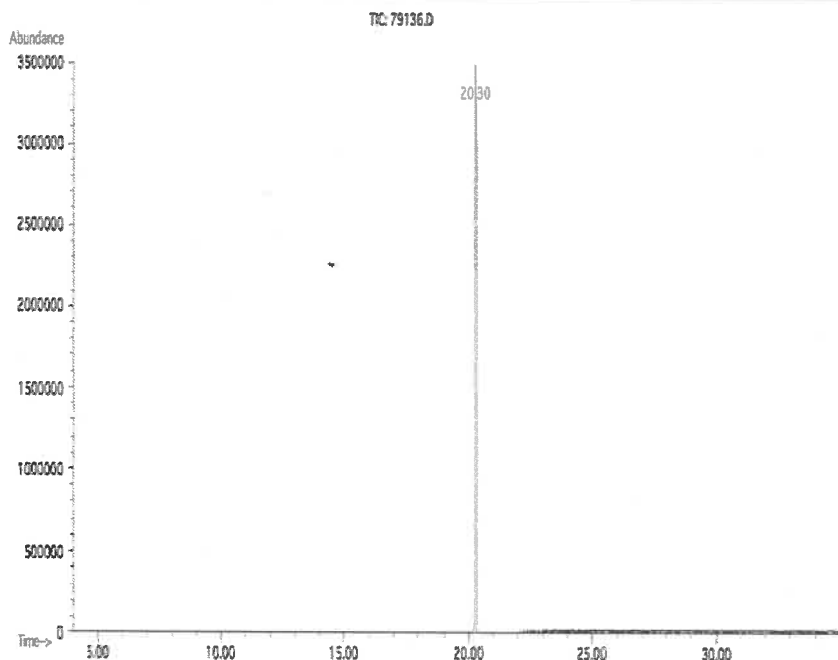
CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**Solvent(s):
Acetone Lot#
81025Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**5E-05 Balance Uncertainty
0.006 Flask UncertaintyWeight(s) shown below were combined and diluted to (mL): **50.0**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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P13199
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(5)
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W. H. H. H.
01/17/2024



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

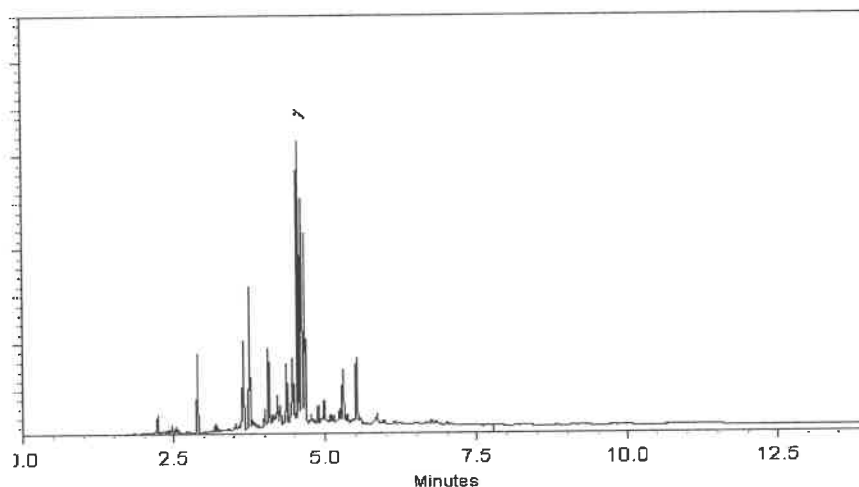
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

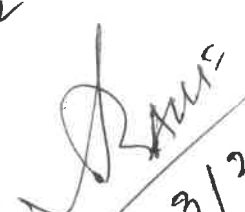
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
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P 12605

7/3/2023



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** 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
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12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

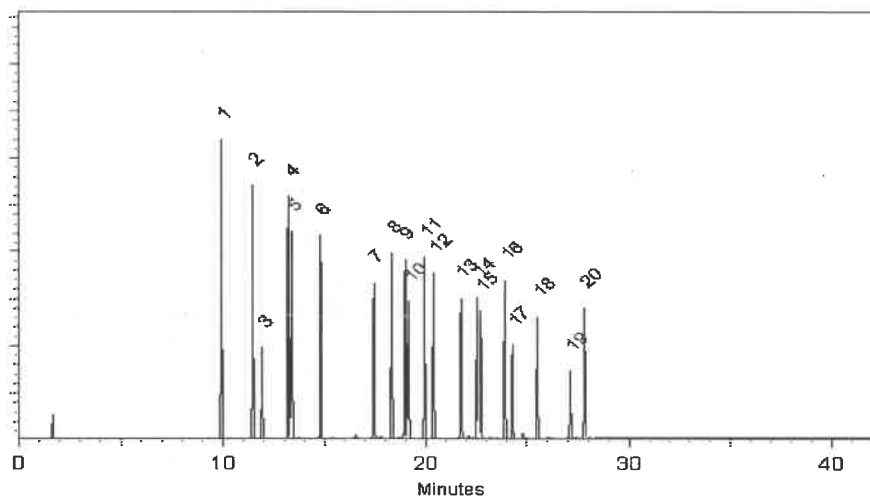
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

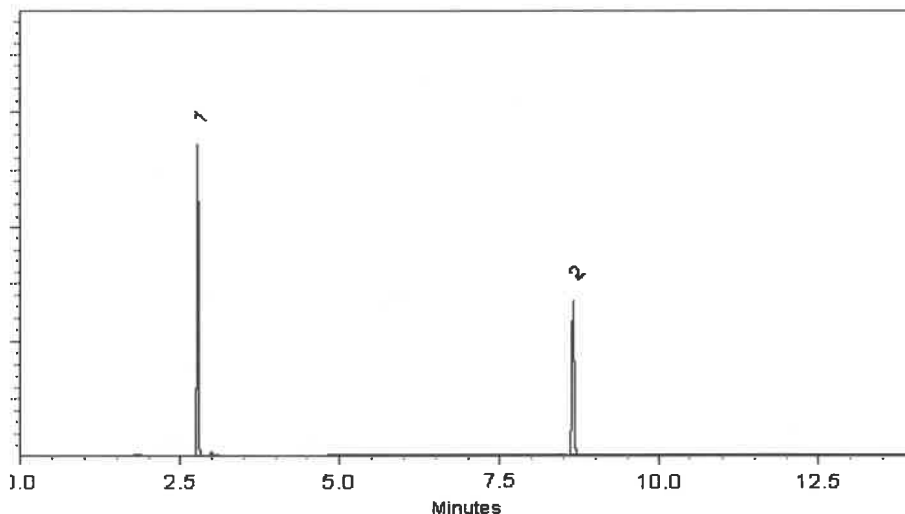
ECD

Split Vent:

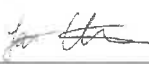
10 ml/min.

Inj. Vol

1µl

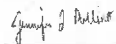


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

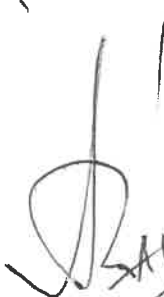
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

P 13348
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04/25/2025



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

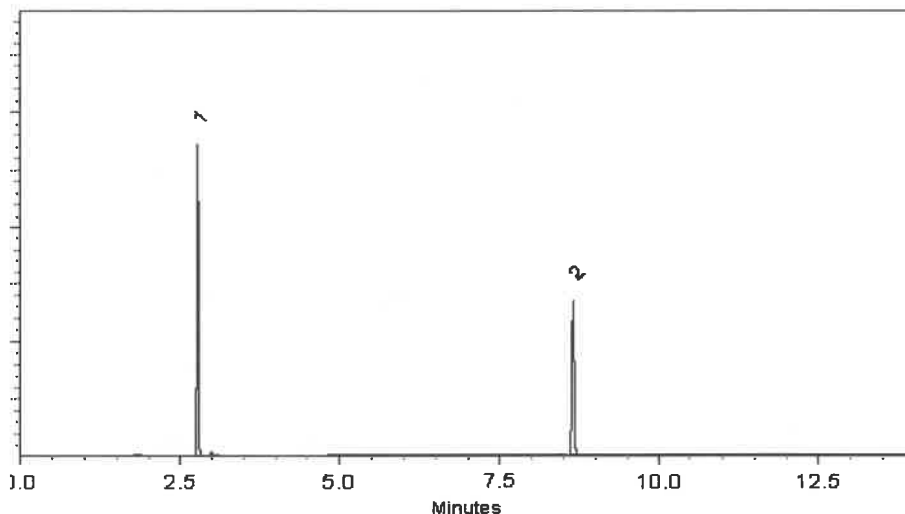
ECD

Split Vent:

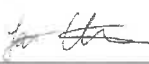
10 ml/min.

Inj. Vol

1µl

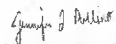


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

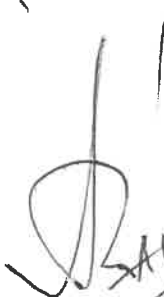
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
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04/25/2025



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

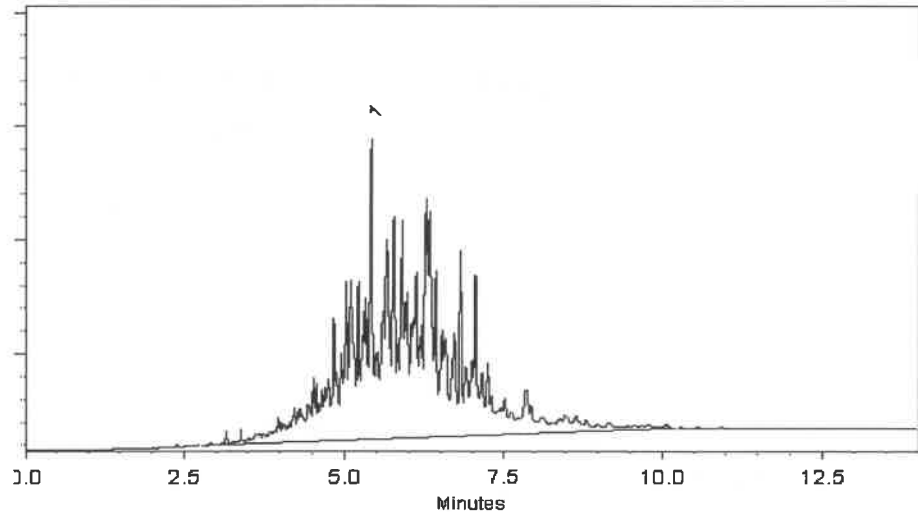
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

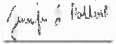


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
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P13406 } (5)

5/22/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

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:

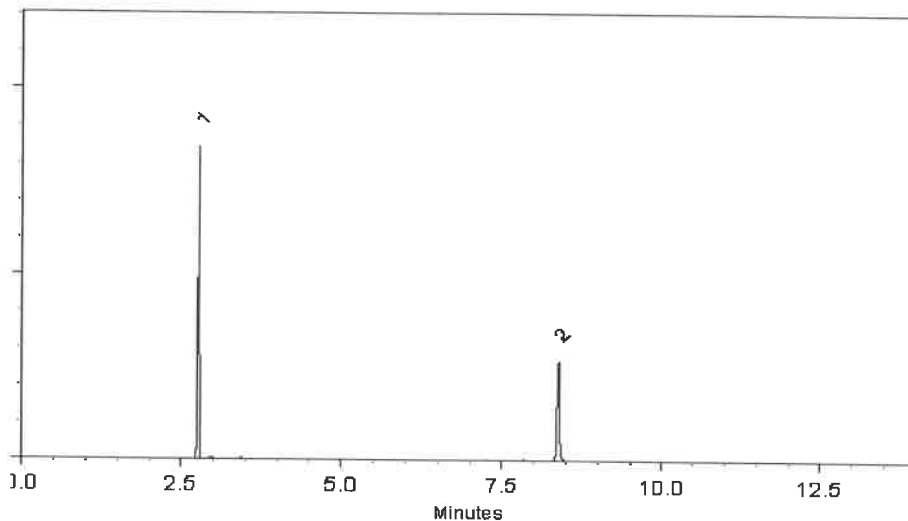
ECD

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.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

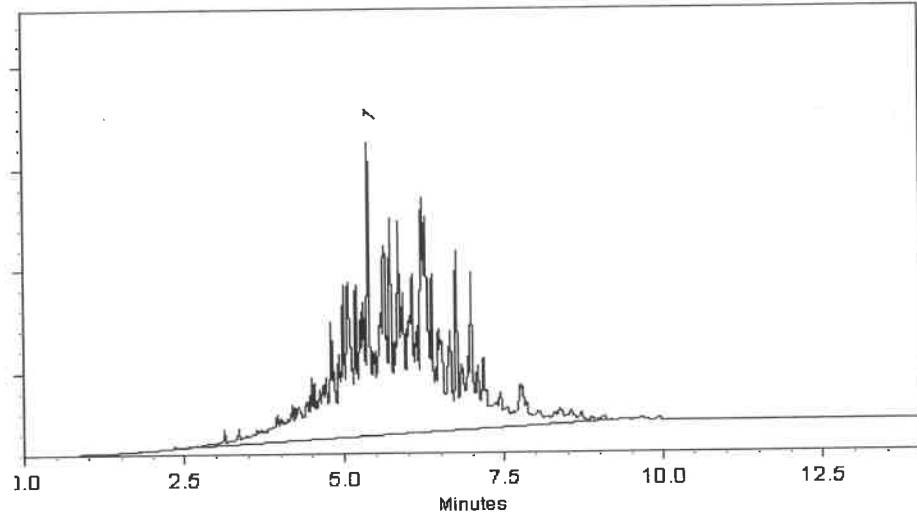
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

Solvent(s): Methylene chloride
Lot# 102669

Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186

Received by
SG on 11/1/19
p9044 - p9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

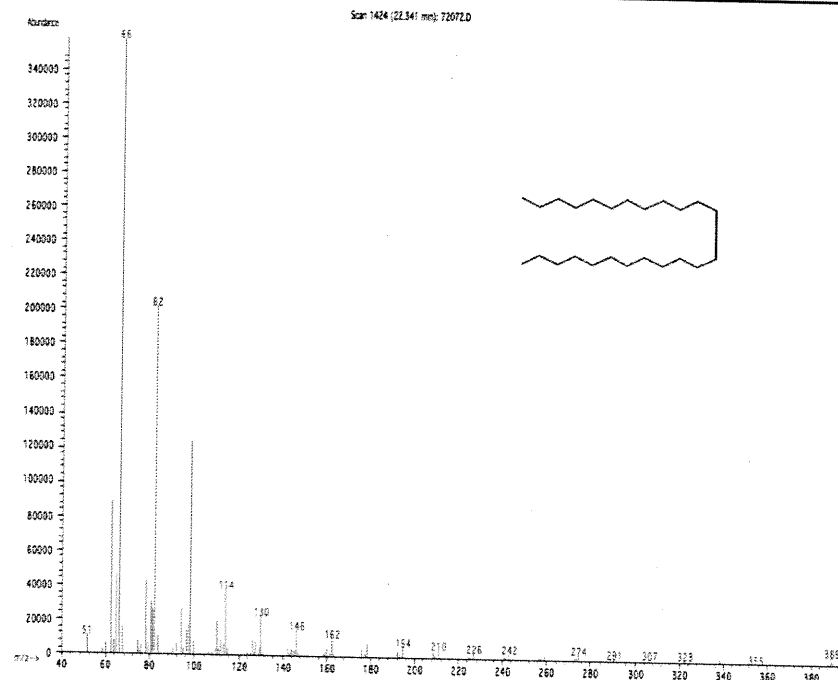
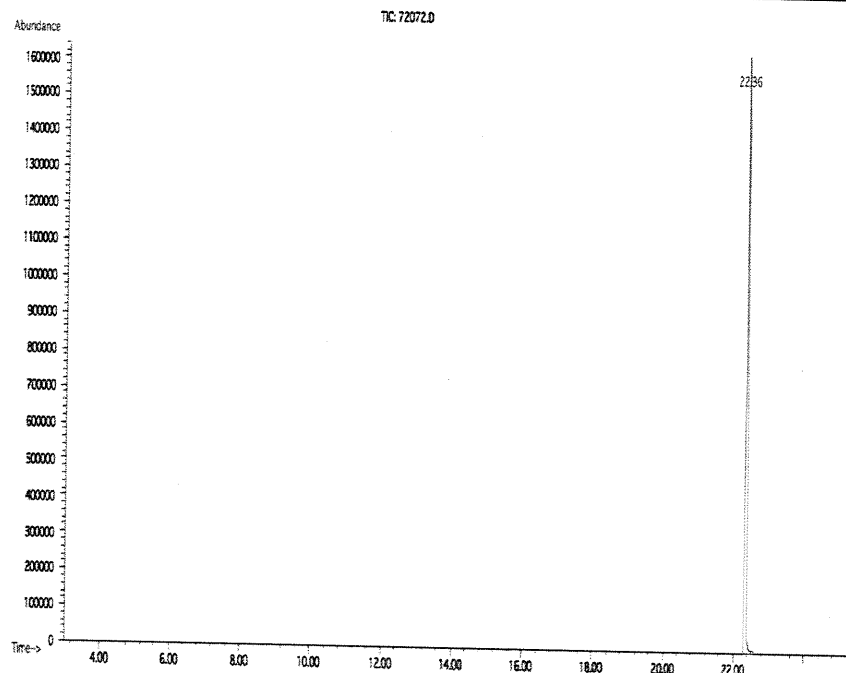
Weight(s) shown below were combined and diluted to (mL):

200.0

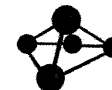
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

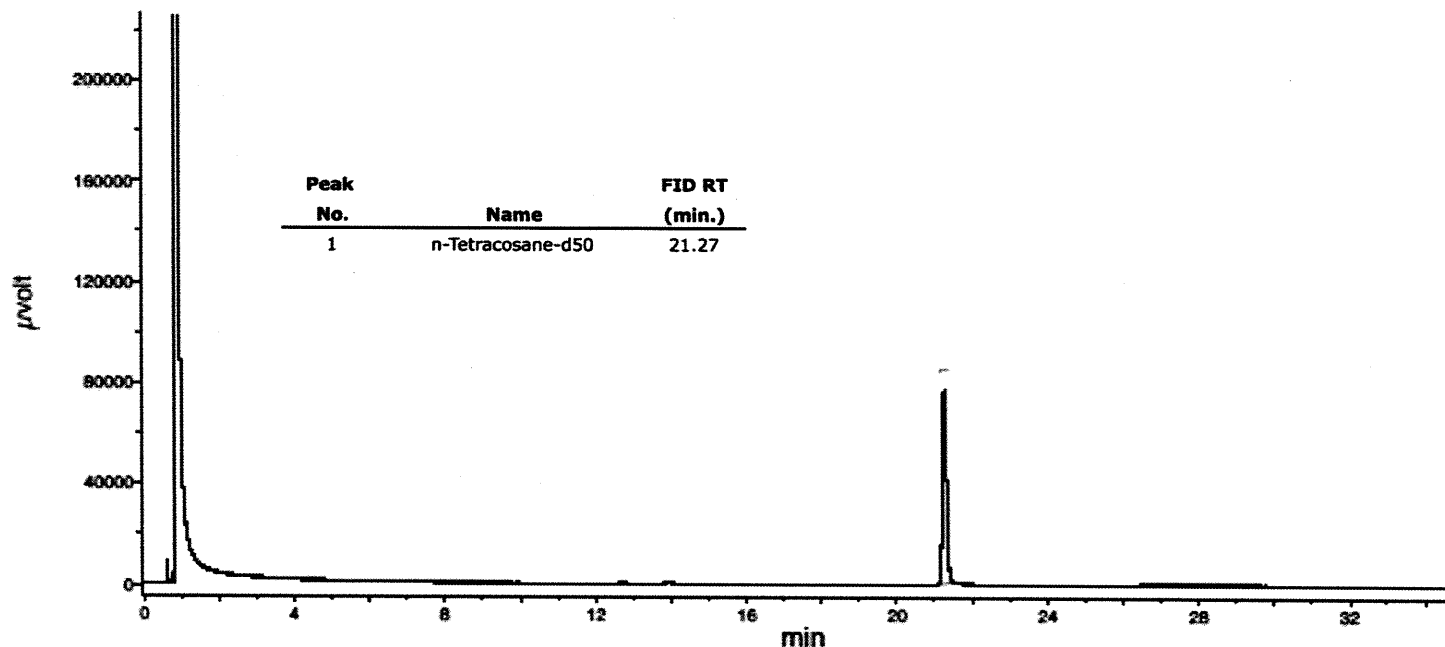
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS



phenova®
Certified Reference Materials

A Phenomenex®
Company

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Packing List

Date	Order #
04/21/2025	333293



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105



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Certified Reference Materials

A Phenomenex®
Company

Packing List

Date	Order #
04/25/2025	337220



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Golden, CO 80403

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Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

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www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488