

Cover Page

Order ID : Q1938

Project ID : Stan Hope

Client : Saxton Falls Sand and Gravel Co. Inc.

Lab Sample Number

Q1938-01
Q1938-02
Q1938-03
Q1938-04
Q1938-05
Q1938-06
Q1938-07
Q1938-08

Client Sample Number

LOWER-WALL-PILE-A
LOWER-WALL-PILE-A
LOWER-WALL-PILE-B
LOWER-WALL-PILE-B
LOWER-WALL-PILE-C
LOWER-WALL-PILE-C
LOWER-WALL-PILE-D
LOWER-WALL-PILE-D

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: 5/10/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1938

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 05/10/2025

LAB CHRONICLE

OrderID:	Q1938	OrderDate:	5/1/2025 2:05:00 PM
Client:	Saxton Falls Sand and Gravel Co. Inc.	Project:	Stan Hope
Contact:	Rich Schindelar	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1938-01	LOWER-WALL-PILE-A	SOIL			05/01/25			05/01/25
			PCB	8082A		05/05/25	05/05/25	
			Pesticide-TCL	8081B		05/05/25	05/05/25	
			TPH GC	8015D		05/07/25	05/07/25	
Q1938-02	LOWER-WALL-PILE-A	Solid			05/01/25			05/01/25
			EPH_NF	NJEPH		05/05/25	05/05/25	
Q1938-03	LOWER-WALL-PILE-B	SOIL			05/01/25			05/01/25
			PCB	8082A		05/05/25	05/05/25	
			Pesticide-TCL	8081B		05/05/25	05/06/25	
			TPH GC	8015D		05/07/25	05/07/25	
Q1938-04	LOWER-WALL-PILE-B	Solid			05/01/25			05/01/25
			EPH_NF	NJEPH		05/05/25	05/05/25	
Q1938-05	LOWER-WALL-PILE-C	SOIL			05/01/25			05/01/25
			PCB	8082A		05/05/25	05/05/25	
			Pesticide-TCL	8081B		05/05/25	05/05/25	
			TPH GC	8015D		05/07/25	05/07/25	
Q1938-06	LOWER-WALL-PILE-C	Solid			05/01/25			05/01/25
			EPH_NF	NJEPH		05/05/25	05/05/25	
Q1938-07	LOWER-WALL-PILE-D	SOIL			05/01/25			05/01/25
			PCB	8082A		05/05/25	05/05/25	
			Pesticide-TCL	8081B		05/05/25	05/05/25	
			TPH GC	8015D		05/07/25	05/07/25	
Q1938-08	LOWER-WALL-PILE-D	Solid			05/01/25			05/01/25
			EPH_NF	NJEPH		05/05/25	05/05/25	

Hit Summary Sheet
SW-846

SDG No.: Q1938

Order ID: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Project ID: Stan Hope

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : LOWER-WALL-PILE-A								
Q1938-01	LOWER-WALL-PILE SOIL		Dieldrin	0.38	J	0.15	1.80	ug/kg
Q1938-01	LOWER-WALL-PILE SOIL		Endrin	0.28	JP	0.15	1.80	ug/kg
Q1938-01	LOWER-WALL-PILE SOIL		alpha-Chlordane	1.40	JP	0.13	1.80	ug/kg
Q1938-01	LOWER-WALL-PILE SOIL		gamma-Chlordane	0.50	JP	0.16	1.80	ug/kg
Total Concentration:				2.560				
Client ID : LOWER-WALL-PILE-B								
Q1938-03	LOWER-WALL-PILE SOIL		Methoxychlor	1.10	JP	0.38	1.80	ug/kg
Q1938-03	LOWER-WALL-PILE SOIL		alpha-Chlordane	0.23	J	0.12	1.80	ug/kg
Total Concentration:				1.330				



QC SUMMARY

Surrogate Summary

SDG No.: **Q1938**

Client: **Saxton Falls Sand and Gravel Co. Inc.**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095326.D	PIBLK-PL095326.D	Decachlorobiphenyl	1	20	18.9	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.3	87		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.2	91		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.1	86		30 (77)	150 (126)
I.BLK-PL095528.D	PIBLK-PL095528.D	Decachlorobiphenyl	1	20	19.5	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.4	87		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.6	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
PB167854BL	PB167854BL	Decachlorobiphenyl	1	20	21.7	109		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	20.1	101		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	24.0	120		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	24.6	123		30 (19)	150 (148)
PB167854BS	PB167854BS	Decachlorobiphenyl	1	20	20.6	103		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	18.1	91		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	22.6	113		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	23.6	118		30 (19)	150 (148)
Q1936-01MS	SMALL-PILE-AMS	Decachlorobiphenyl	1	20	11.9	60		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	12.3	61		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	14.5	72		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	16.6	83		30 (19)	150 (148)
Q1936-01MSD	SMALL-PILE-AMSD	Decachlorobiphenyl	1	20	12.3	62		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	11.8	59		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	13.6	68		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	15.3	77		30 (19)	150 (148)
I.BLK-PL095545.D	PIBLK-PL095545.D	Decachlorobiphenyl	1	20	17.4	87		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	16.8	84		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.7	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	105		30 (77)	150 (126)
Q1938-01	LOWER-WALL-PILE-A	Decachlorobiphenyl	1	20	14.3	72		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	15.1	76		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	14.1	70		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	17.3	87		30 (19)	150 (148)
Q1938-05	LOWER-WALL-PILE-C	Decachlorobiphenyl	1	20	14.3	72		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	17.5	87		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	17.3	86		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	21.2	106		30 (19)	150 (148)
Q1938-07	LOWER-WALL-PILE-D	Decachlorobiphenyl	1	20	16.6	83		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	17.8	89		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	23.3	117		30 (19)	150 (148)
I.BLK-PL095557.D	PIBLK-PL095557.D	Decachlorobiphenyl	1	20	17.1	85		30 (43)	150 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095557.D	PIBLK-PL095557.D	Tetrachloro-m-xylene	1	20	16.7	84		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.5	87		30 (43)	150 (140)
I.BLK-PL095566.D	PIBLK-PL095566.D	Tetrachloro-m-xylene	2	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	17.7	88		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.1	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.6	93		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (77)	150 (126)
Q1938-03	LOWER-WALL-PILE-B	Decachlorobiphenyl	1	20	16.1	81		30 (20)	150 (144)
		Tetrachloro-m-xylene	1	20	15.4	77		30 (19)	150 (148)
		Decachlorobiphenyl	2	20	16.6	83		30 (20)	150 (144)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (19)	150 (148)
I.BLK-PL095576.D	PIBLK-PL095576.D	Decachlorobiphenyl	1	20	19.1	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.1	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.2	111		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8081B

DataFile : PL095539.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: Q1936-01MS	SMALL-PILE-AMS											
	alpha-BHC	18.31	0	25.7	ug/kg	140				30 (60)	150 (144)	
	beta-BHC	18.31	0	22.7	ug/kg	124				30 (54)	150 (143)	
	delta-BHC	18.31	0	24.8	ug/kg	135				30 (29)	150 (151)	
	gamma-BHC (Lindane)	18.31	0	24.4	ug/kg	133				30 (61)	150 (140)	
	Heptachlor	18.31	0	23.2	ug/kg	127				30 (63)	150 (135)	
	Aldrin	18.31	0	24.8	ug/kg	135				30 (49)	150 (139)	
	Heptachlor epoxide	18.31	0	24.1	ug/kg	132				30 (41)	150 (156)	
	Endosulfan I	18.31	0	24.3	ug/kg	133				30 (56)	150 (142)	
	Dieldrin	18.31	0	24.0	ug/kg	131				30 (47)	150 (161)	
	4,4'-DDE	18.31	0	23.4	ug/kg	128				30 (55)	150 (136)	
	Endrin	18.31	0	23.6	ug/kg	129				30 (57)	150 (139)	
	Endosulfan II	18.31	0	24.1	ug/kg	132				30 (40)	150 (163)	
	4,4'-DDD	18.31	0	25.0	ug/kg	137				30 (47)	150 (163)	
	Endosulfan sulfate	18.31	0	22.7	ug/kg	124				30 (62)	150 (139)	
	4,4'-DDT	18.31	0	22.6	ug/kg	123				30 (51)	150 (146)	
	Methoxychlor	18.31	0	21.0	ug/kg	115				30 (54)	150 (136)	
	Endrin ketone	18.31	0	25.3	ug/kg	138				30 (60)	150 (129)	
	Endrin aldehyde	18.31	0	23.4	ug/kg	128				30 (59)	150 (132)	
	alpha-Chlordane	18.31	0	23.6	ug/kg	129				30 (39)	150 (166)	
	gamma-Chlordane	18.31	0	23.8	ug/kg	130				30 (44)	150 (175)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8081B

DataFile : PL095540.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: Q1936-01MSD	SMALL-PILE-AMSD											
	alpha-BHC	18.32	0	24.2	ug/kg	132		6		30 (60)	150 (144)	30 (20)
	beta-BHC	18.32	0	21.1	ug/kg	115		8		30 (54)	150 (143)	30 (20)
	delta-BHC	18.32	0	23.3	ug/kg	127		6		30 (29)	150 (151)	30 (20)
	gamma-BHC (Lindane)	18.32	0	22.9	ug/kg	125		6		30 (61)	150 (140)	30 (20)
	Heptachlor	18.32	0	21.9	ug/kg	120		6		30 (63)	150 (135)	30 (20)
	Aldrin	18.32	0	23.3	ug/kg	127		6		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	18.32	0	22.4	ug/kg	122		8		30 (41)	150 (156)	30 (20)
	Endosulfan I	18.32	0	22.6	ug/kg	123		8		30 (56)	150 (142)	30 (20)
	Dieldrin	18.32	0	22.2	ug/kg	121		8		30 (47)	150 (161)	30 (20)
	4,4'-DDE	18.32	0	20.2	ug/kg	110		15		30 (55)	150 (136)	30 (20)
	Endrin	18.32	0	19.7	ug/kg	108		18		30 (57)	150 (139)	30 (20)
	Endosulfan II	18.32	0	22.2	ug/kg	121		9		30 (40)	150 (163)	30 (20)
	4,4'-DDD	18.32	0	23.1	ug/kg	126		8		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	18.32	0	21.8	ug/kg	119		4		30 (62)	150 (139)	30 (20)
	4,4'-DDT	18.32	0	19.5	ug/kg	106		15		30 (51)	150 (146)	30 (20)
	Methoxychlor	18.32	0	19.9	ug/kg	109		5		30 (54)	150 (136)	30 (20)
	Endrin ketone	18.32	0	24.1	ug/kg	132		4		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	18.32	0	22.0	ug/kg	120		6		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	18.32	0	22.2	ug/kg	121		6		30 (39)	150 (166)	30 (20)
	gamma-Chlordane	18.32	0	22.6	ug/kg	123		6		30 (44)	150 (175)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: **8081B**

Datafile : PL095532.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167854BS	alpha-BHC	16.65	20.4	ug/kg	123				40 (84)	140 (123)	
	beta-BHC	16.65	18.3	ug/kg	110				40 (82)	140 (123)	
	delta-BHC	16.65	20.0	ug/kg	120				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.65	19.5	ug/kg	117				40 (83)	140 (125)	
	Heptachlor	16.65	18.9	ug/kg	114				40 (83)	140 (122)	
	Aldrin	16.65	20.2	ug/kg	121				40 (82)	140 (124)	
	Heptachlor epoxide	16.65	19.5	ug/kg	117				40 (83)	140 (120)	
	Endosulfan I	16.65	19.6	ug/kg	118				40 (81)	140 (124)	
	Dieldrin	16.65	19.6	ug/kg	118				40 (85)	140 (121)	
	4,4'-DDE	16.65	18.2	ug/kg	109				40 (81)	140 (123)	
	Endrin	16.65	17.0	ug/kg	102				40 (76)	140 (130)	
	Endosulfan II	16.65	19.3	ug/kg	116				40 (80)	140 (125)	
	4,4'-DDD	16.65	20.4	ug/kg	123				40 (80)	140 (131)	
	Endosulfan sulfate	16.65	19.3	ug/kg	116				40 (81)	140 (122)	
	4,4'-DDT	16.65	17.3	ug/kg	104				40 (70)	140 (129)	
	Methoxychlor	16.65	17.2	ug/kg	103				40 (60)	140 (119)	
	Endrin ketone	16.65	21.4	ug/kg	129				40 (77)	140 (132)	
	Endrin aldehyde	16.65	19.9	ug/kg	120				40 (79)	140 (124)	
	alpha-Chlordane	16.65	19.2	ug/kg	115				40 (84)	140 (120)	
	gamma-Chlordane	16.65	19.4	ug/kg	117				40 (83)	140 (122)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167854BL

Lab Name: CHEMTECH

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: PB167854BL

Lab File ID: PL095531.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/05/2025

Date Analyzed (1): 05/05/2025

Date Analyzed (2): 05/05/2025

Time Analyzed (1): 12:37

Time Analyzed (2): 12:37

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
PB167854BS	PB167854BS	PL095532.D	05/05/2025	05/05/2025
SMALL-PILE-AMS	Q1936-01MS	PL095539.D	05/05/2025	05/05/2025
SMALL-PILE-AMSD	Q1936-01MSD	PL095540.D	05/05/2025	05/05/2025
LOWER-WALL-PILE-A	Q1938-01	PL095553.D	05/05/2025	05/05/2025
LOWER-WALL-PILE-C	Q1938-05	PL095555.D	05/05/2025	05/05/2025
LOWER-WALL-PILE-D	Q1938-07	PL095556.D	05/05/2025	05/05/2025
LOWER-WALL-PILE-B	Q1938-03	PL095568.D	05/06/2025	05/06/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095553.D	1	05/05/25 08:35	05/05/25 20:16	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.38	J	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.28	JP	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.40	JP	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.50	JP	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.3		30 (20) - 150 (144)	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		30 (19) - 150 (148)	87%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095553.D	1	05/05/25 08:35	05/05/25 20:16	PB167854

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\PL050625\
 Data File : PL095553.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 20:16
 Operator : AR\AJ
 Sample : Q1938-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOWER-WALL-PILE-A

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:44:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.591	2.909	49331979	55127137	15.111m	17.337
28) SA Decachlor...	9.113	8.084	39704453	41620535	14.330m	14.064m
Target Compounds						
10) B gamma-Chl...	5.988	5.146	5737547	3100168	1.406m	0.765m#
11) B alpha-Chl...	6.076	5.209	15833360	5742356	3.894m	1.442m#
13) MA Dieldrin	6.387	5.528	1468822	4294175	0.381m	1.056m#
14) MA Endrin	6.616	5.809	2480245	2099874	0.779m	0.577m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 20:16
Operator : AR\AJ
Sample : Q1938-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

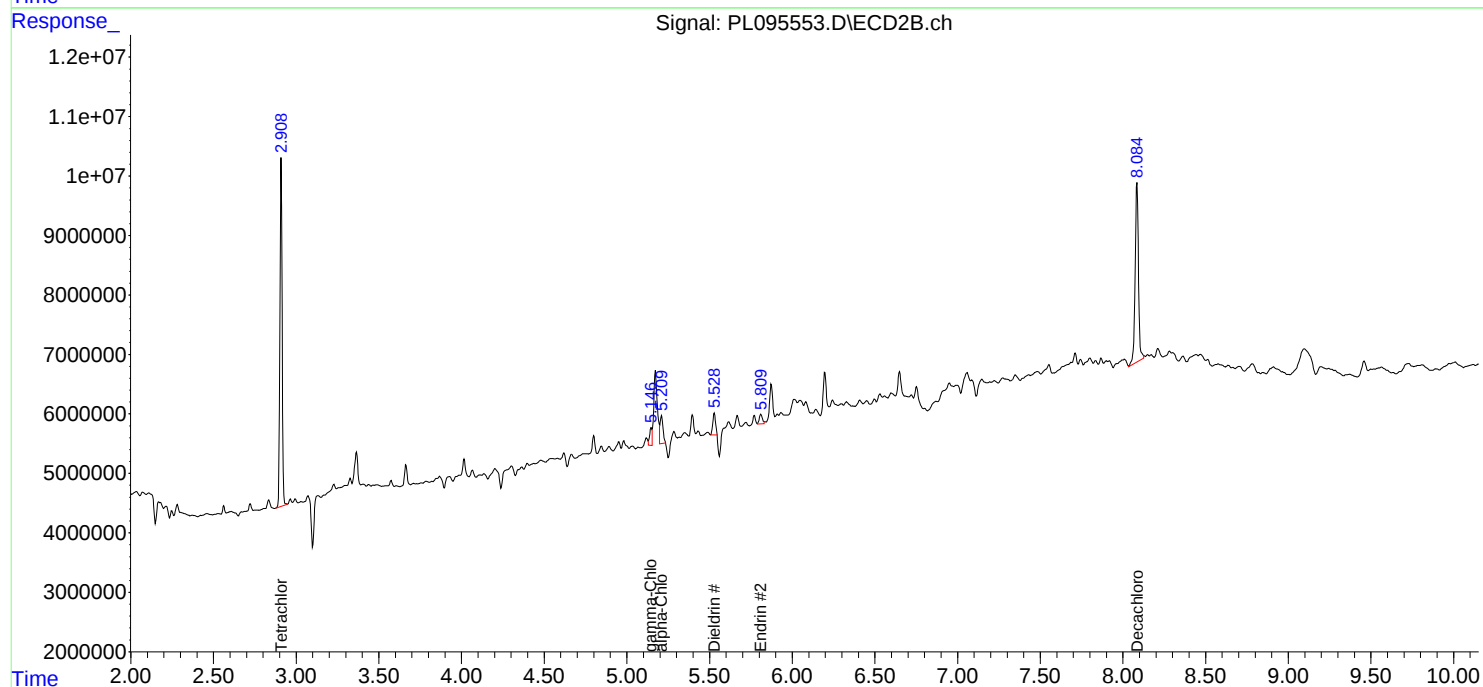
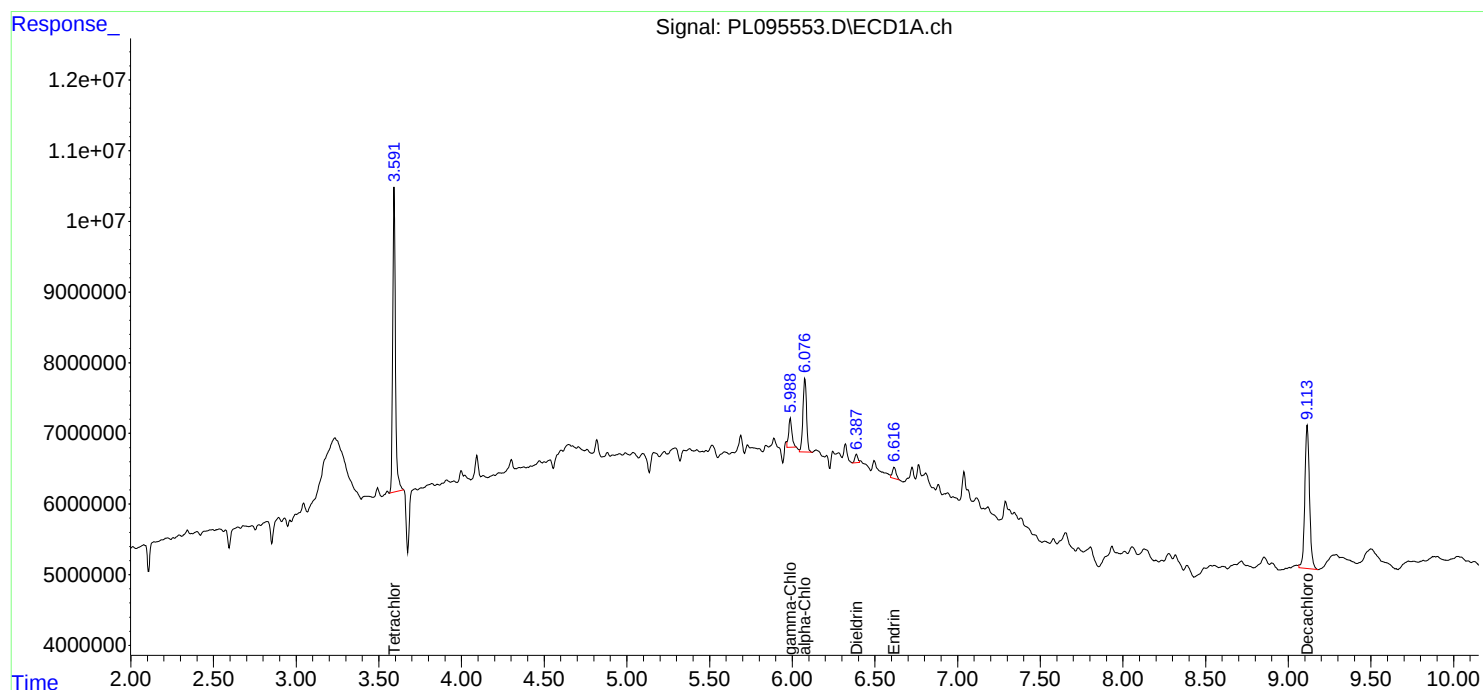
Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-A

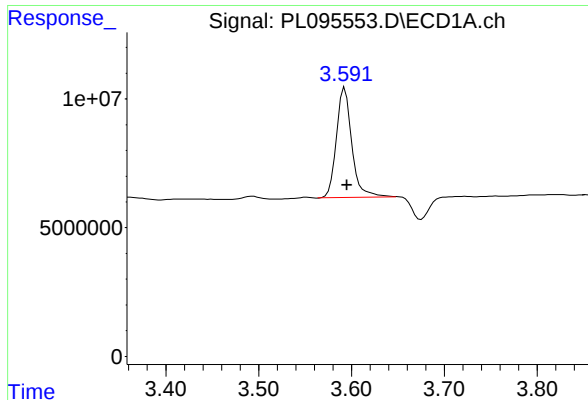
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





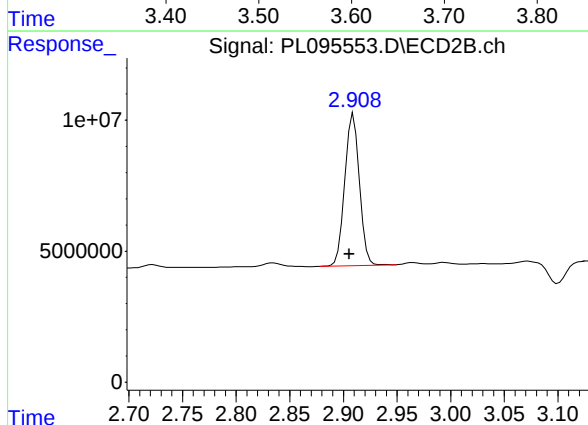
#1 Tetrachloro-m-xylene

R.T.: 3.591 min
Delta R.T.: -0.004 min
Response: 49331979
Conc: 15.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-A

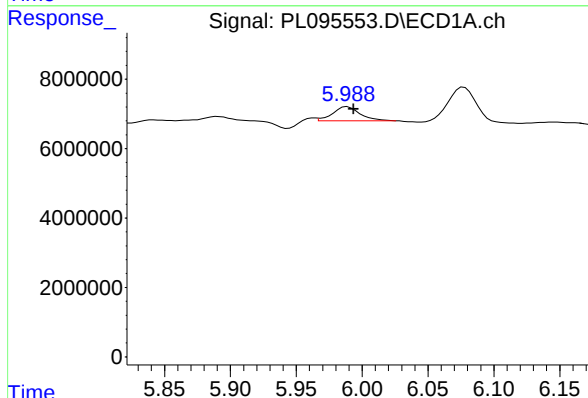
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



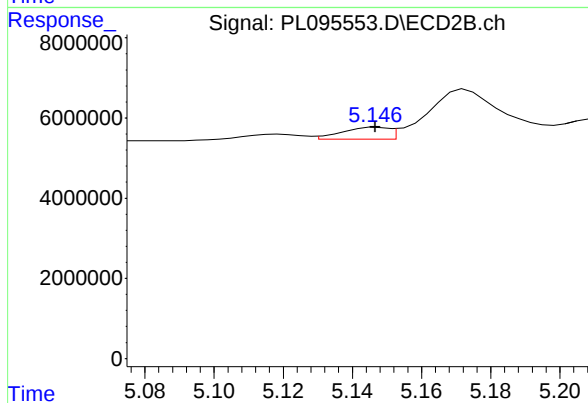
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 55127137
Conc: 17.34 ng/ml



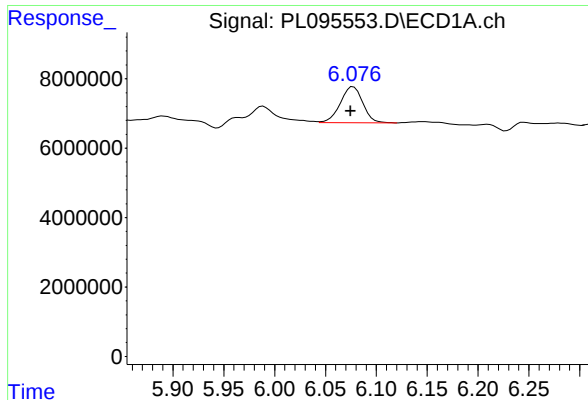
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.006 min
Response: 5737547
Conc: 1.41 ng/ml m



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 3100168
Conc: 0.76 ng/ml m



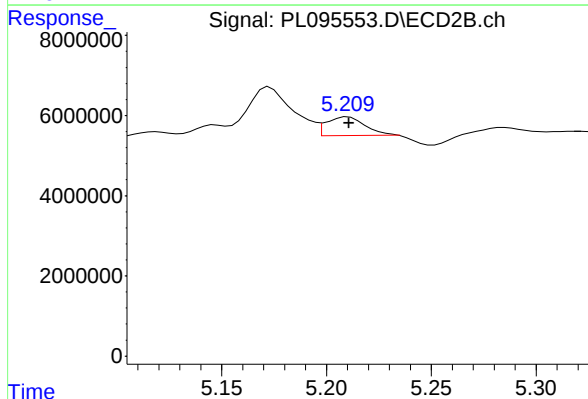
#11 alpha-Chlordane

R.T.: 6.076 min
Delta R.T.: 0.001 min
Response: 15833360
Conc: 3.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-A

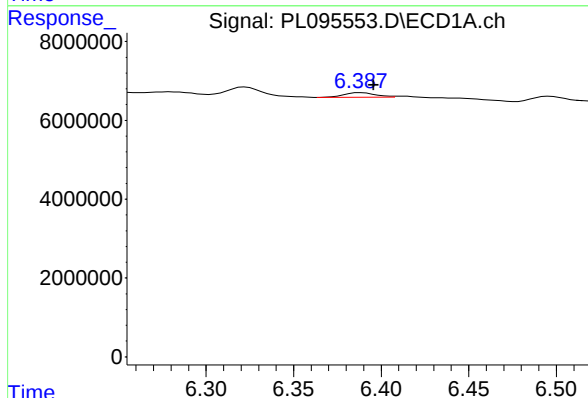
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



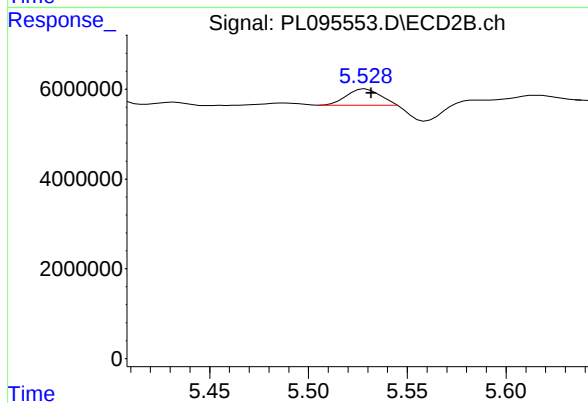
#11 alpha-Chlordane

R.T.: 5.209 min
Delta R.T.: -0.002 min
Response: 5742356
Conc: 1.44 ng/ml m



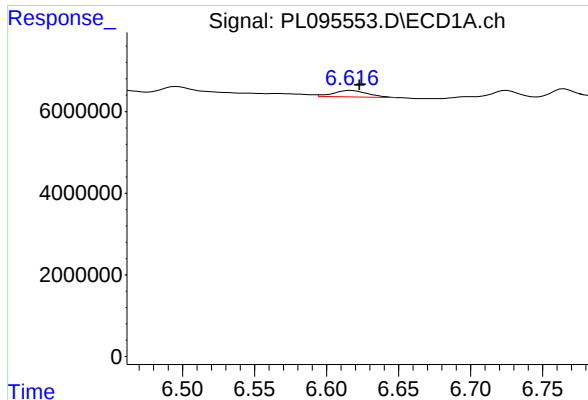
#13 Dieldrin

R.T.: 6.387 min
Delta R.T.: -0.009 min
Response: 1468822
Conc: 0.38 ng/ml m



#13 Dieldrin

R.T.: 5.528 min
Delta R.T.: -0.004 min
Response: 4294175
Conc: 1.06 ng/ml m



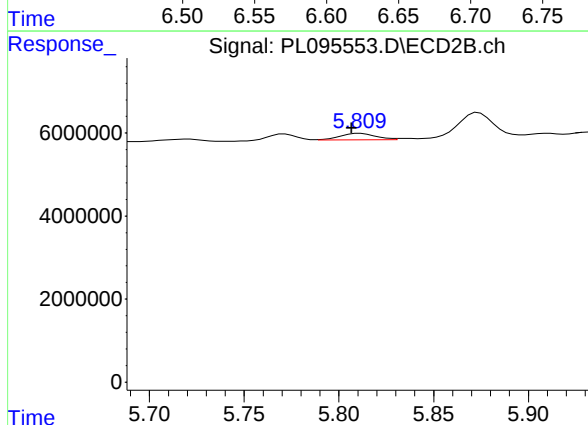
#14 Endrin

R.T.: 6.616 min
Delta R.T.: -0.007 min
Response: 2480245
Conc: 0.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-A

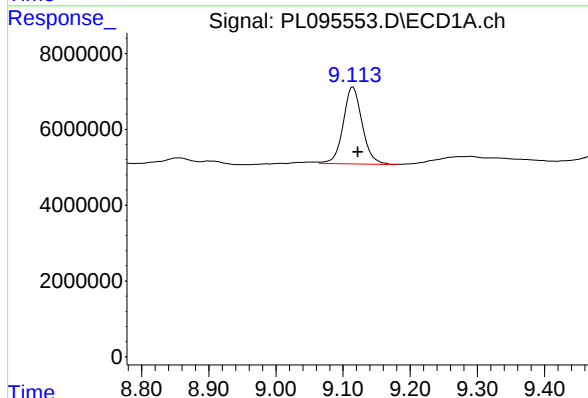
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



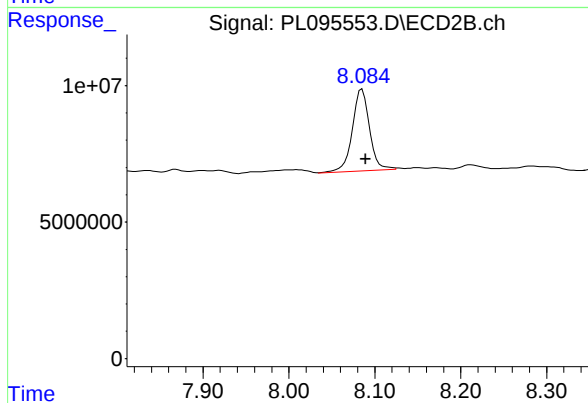
#14 Endrin

R.T.: 5.809 min
Delta R.T.: 0.003 min
Response: 2099874
Conc: 0.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.113 min
Delta R.T.: -0.009 min
Response: 39704453
Conc: 14.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 41620535
Conc: 14.06 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095568.D	1	05/05/25 08:35	05/06/25 16:55	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.40	U	0.40	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.80	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.80	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.80	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.80	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.80	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.80	ug/kg
72-43-5	Methoxychlor	1.10	JP	0.38	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.38	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.23	J	0.12	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	34.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		30 (20) - 150 (144)	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		30 (19) - 150 (148)	91%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/01/25	
Project:	Stan Hope		Date Received:	05/01/25	
Client Sample ID:	LOWER-WALL-PILE-B		SDG No.:	Q1938	
Lab Sample ID:	Q1938-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095568.D	1	05/05/25 08:35	05/06/25 16:55	PB167854

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\PL050725\
 Data File : PL095568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 16:55
 Operator : AR\AJ
 Sample : Q1938-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOWER-WALL-PILE-B

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:42:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.910	50264824	57882563	15.397m	18.203
28) SA Decachlor...	9.121	8.091	44711544	49259697	16.137m	16.646
Target Compounds						
11) B alpha-Chl...	6.080	5.212	2718376	1212406	0.669m	0.305m#
20) A Methoxychlor	7.534	6.775	4454014	2123236	3.193m	1.113m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 16:55
Operator : AR\AJ
Sample : Q1938-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

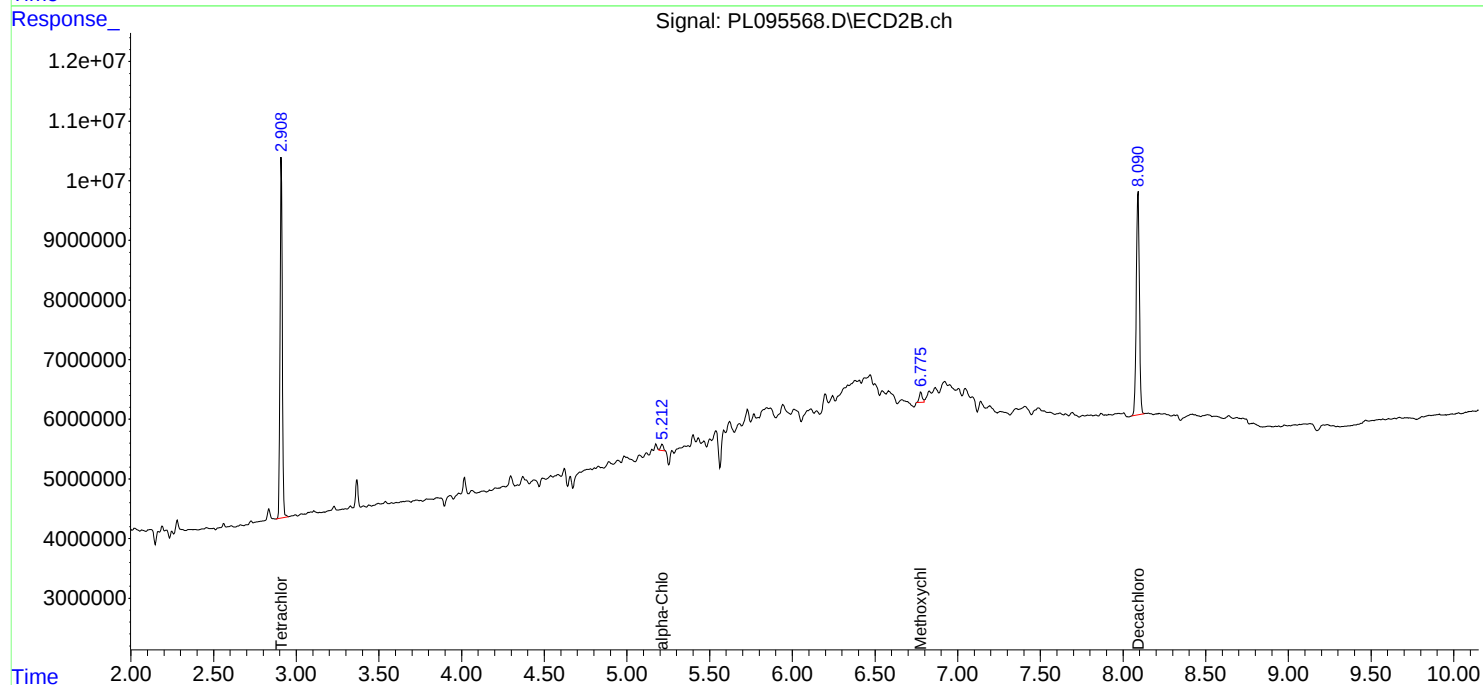
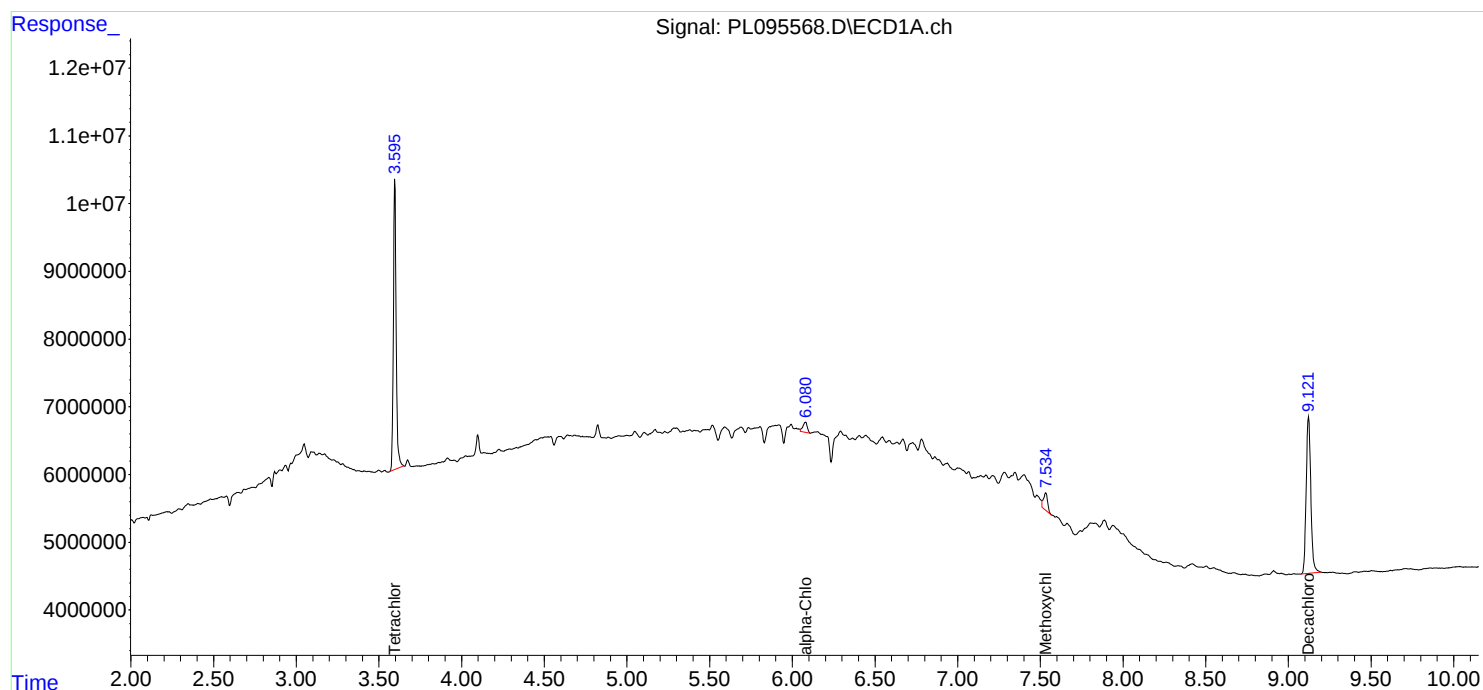
Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-B

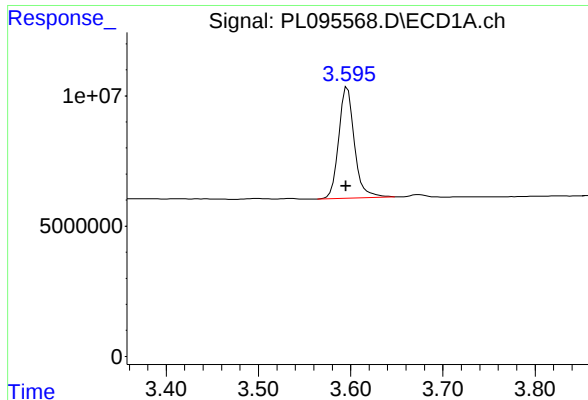
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:42:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





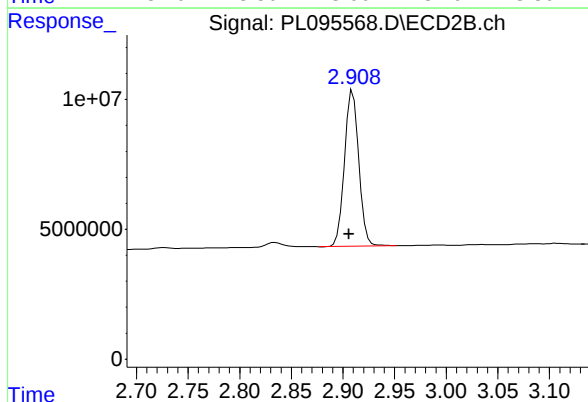
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 50264824
Conc: 15.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-B

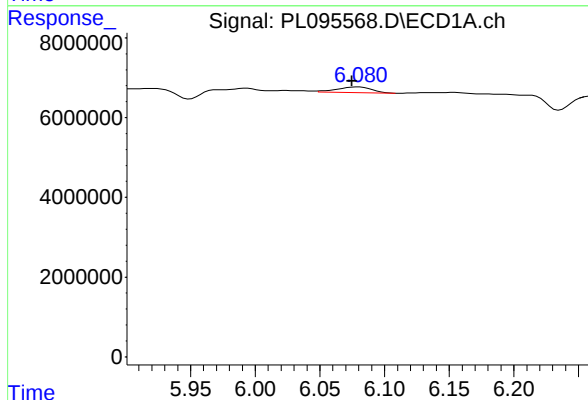
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



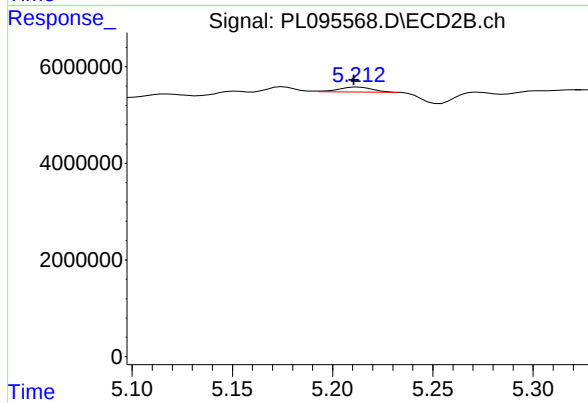
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.004 min
Response: 57882563
Conc: 18.20 ng/ml



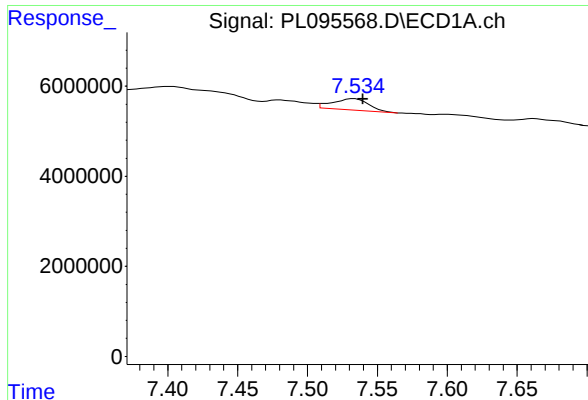
#11 alpha-Chlordane

R.T.: 6.080 min
Delta R.T.: 0.005 min
Response: 2718376
Conc: 0.67 ng/ml m



#11 alpha-Chlordane

R.T.: 5.212 min
Delta R.T.: 0.001 min
Response: 1212406
Conc: 0.30 ng/ml m



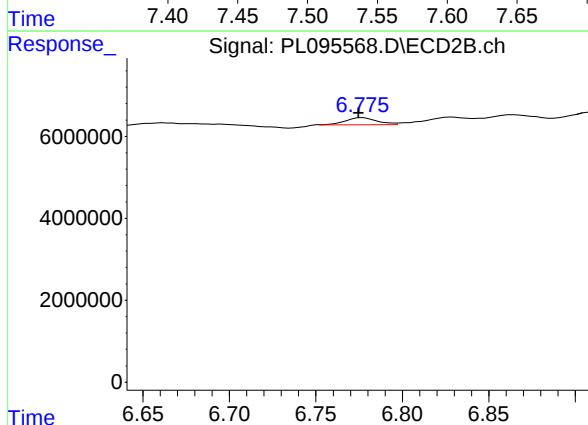
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.006 min
Response: 4454014
Conc: 3.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-B

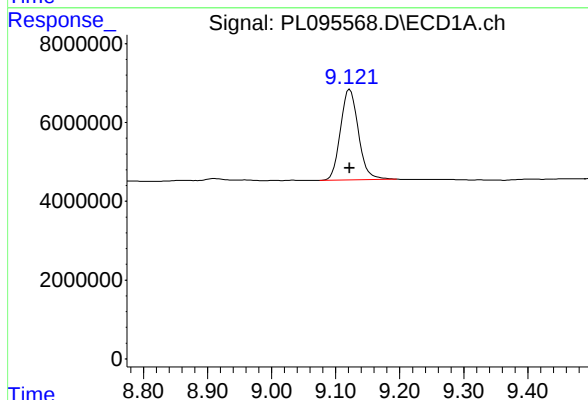
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



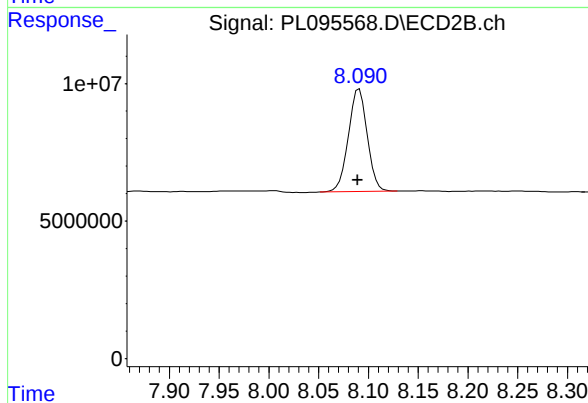
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 2123236
Conc: 1.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: -0.002 min
Response: 44711544
Conc: 16.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 49259697
Conc: 16.65 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095555.D	1	05/05/25 08:35	05/05/25 20:43	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.40	U	0.40	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.80	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.80	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.80	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.80	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.80	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.80	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.38	U	0.38	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	34.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		30 (20) - 150 (144)	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		30 (19) - 150 (148)	106%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/01/25	
Project:	Stan Hope		Date Received:	05/01/25	
Client Sample ID:	LOWER-WALL-PILE-C		SDG No.:	Q1938	
Lab Sample ID:	Q1938-05		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.8	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095555.D	1	05/05/25 08:35	05/05/25 20:43	PB167854

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\PL050625\
 Data File : PL095555.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 20:43
 Operator : AR\AJ
 Sample : Q1938-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOWER-WALL-PILE-C

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:45:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.910	57071125	67368583	17.481	21.187
28) SA Decachlor...	9.115	8.085	39637773	51152312	14.305	17.285m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 20:43
Operator : AR\AJ
Sample : Q1938-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

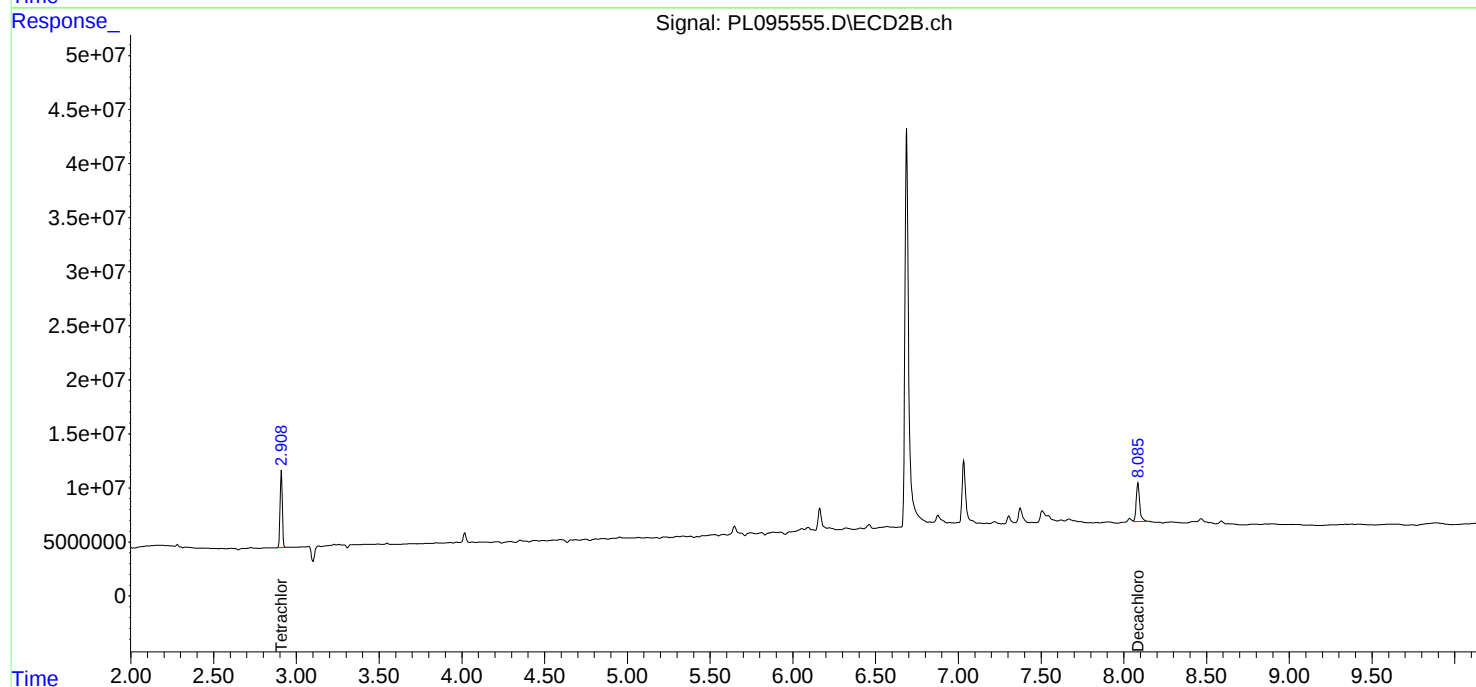
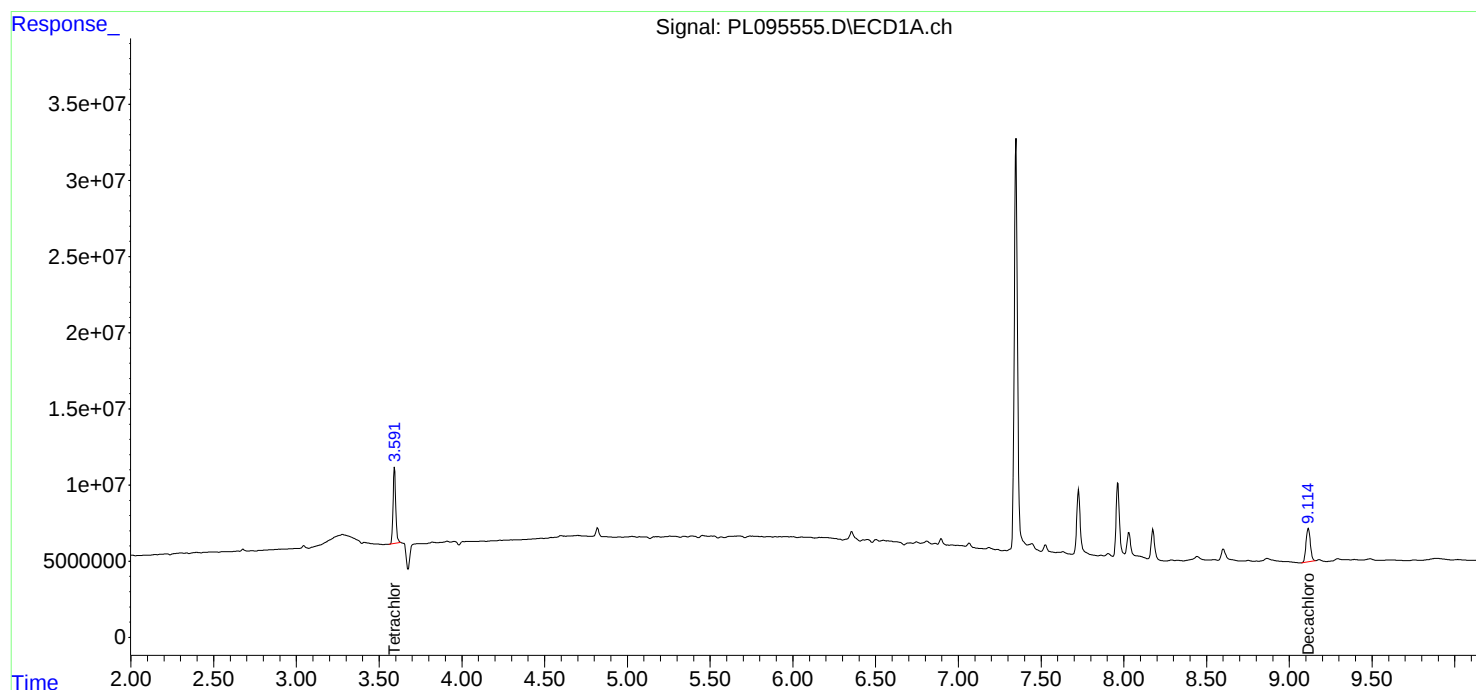
Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-C

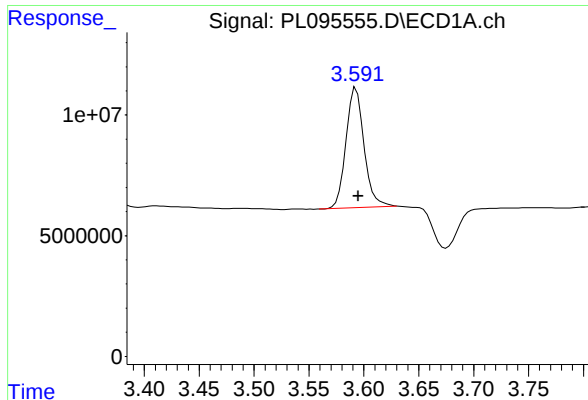
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





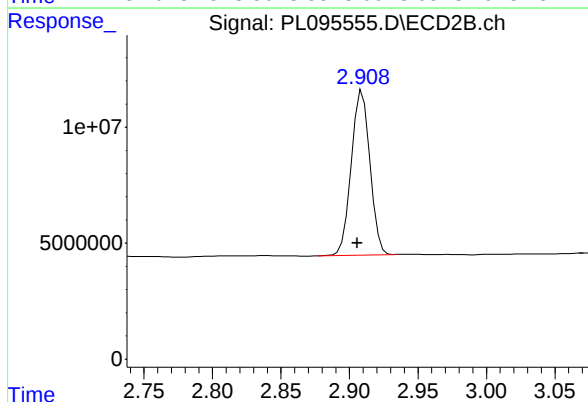
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 57071125
Conc: 17.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-C

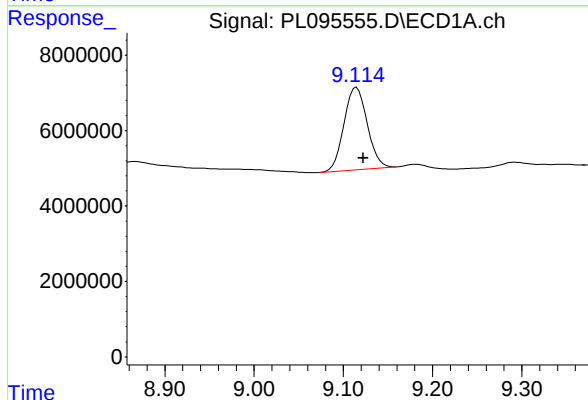
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



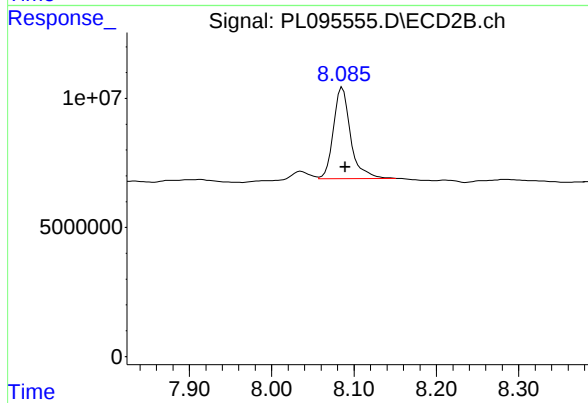
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.004 min
Response: 67368583
Conc: 21.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 39637773
Conc: 14.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.005 min
Response: 51152312
Conc: 17.29 ng/ml m

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095556.D	1	05/05/25 08:35	05/05/25 20:57	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		30 (20) - 150 (144)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		30 (19) - 150 (148)	117%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/01/25	
Project:	Stan Hope		Date Received:	05/01/25	
Client Sample ID:	LOWER-WALL-PILE-D		SDG No.:	Q1938	
Lab Sample ID:	Q1938-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	95	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095556.D	1	05/05/25 08:35	05/05/25 20:57	PB167854

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\PL050625\
 Data File : PL095556.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 20:57
 Operator : AR\AJ
 Sample : Q1938-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOWER-WALL-PILE-D

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:45:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	62579477	74073176	19.169	23.295m
28) SA Decachlor...	9.116	8.085	46124089	52638097	16.646	17.788

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 20:57
Operator : AR\AJ
Sample : Q1938-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

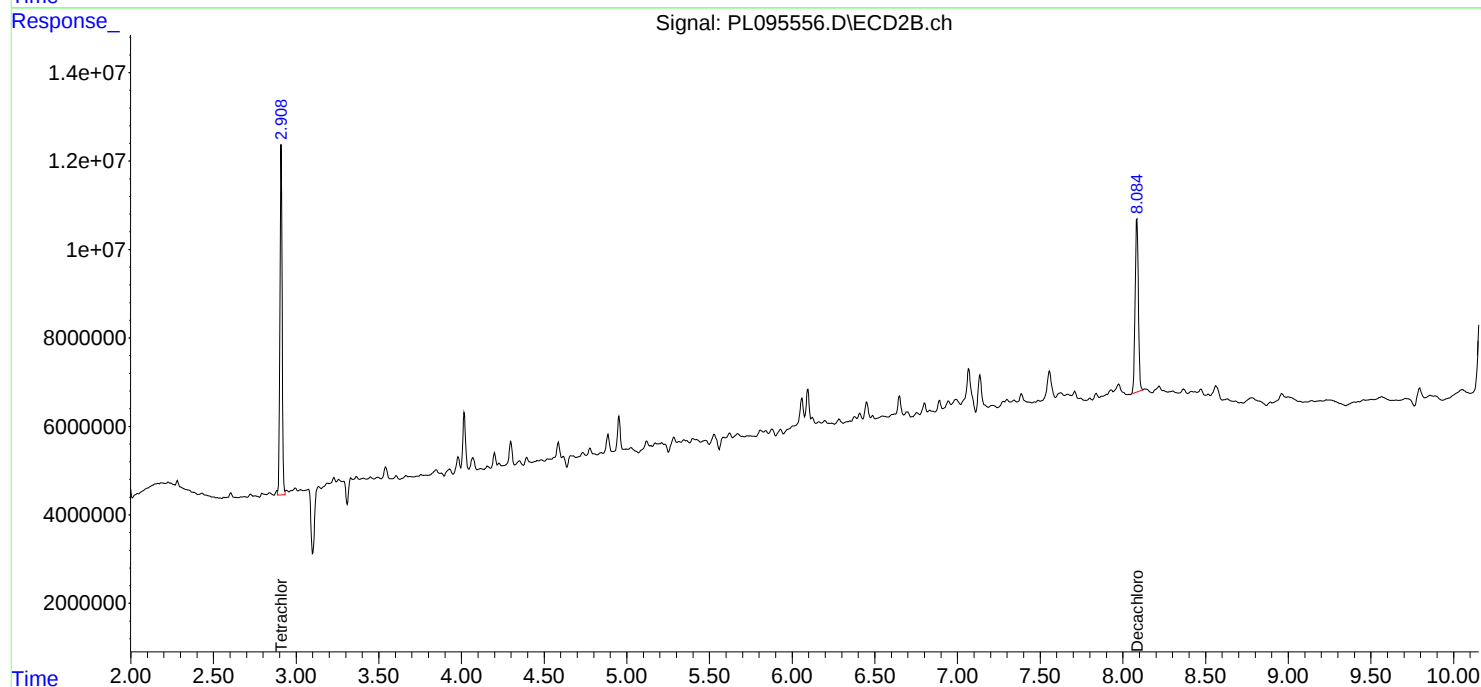
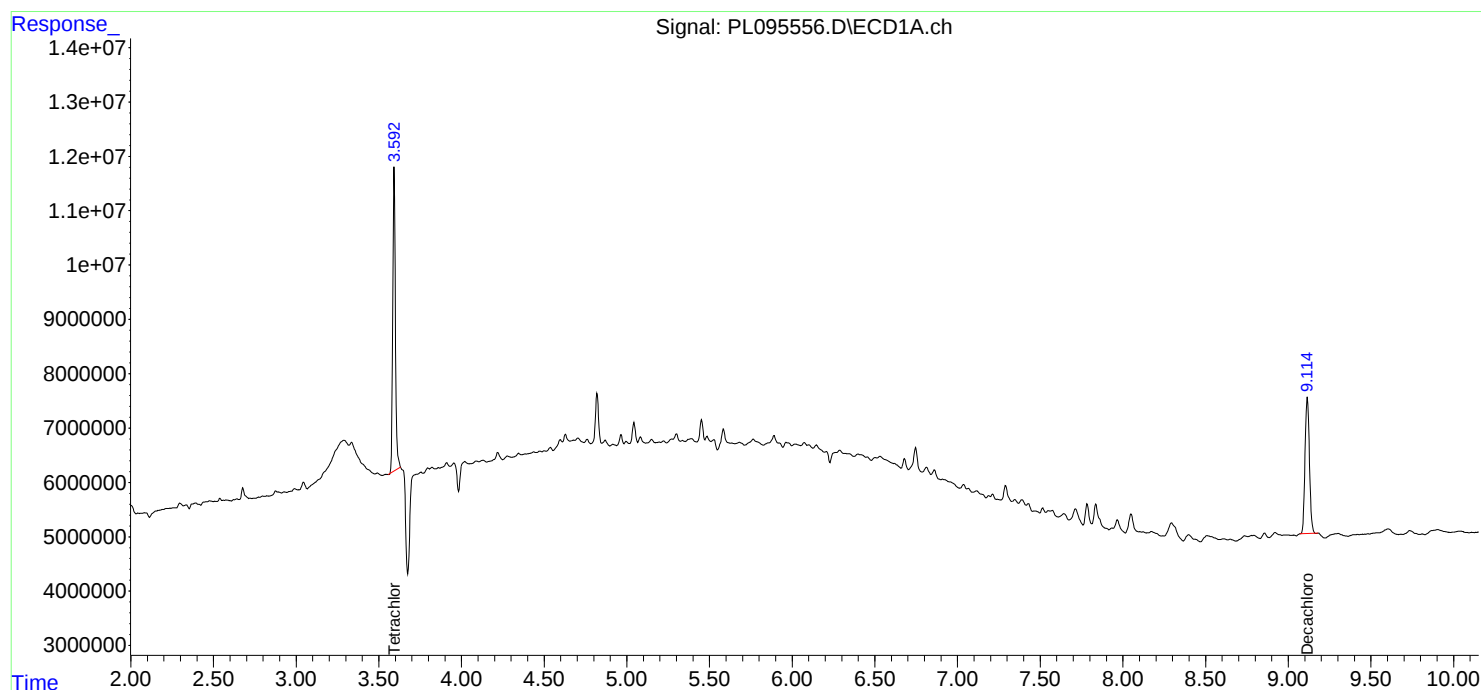
Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-D

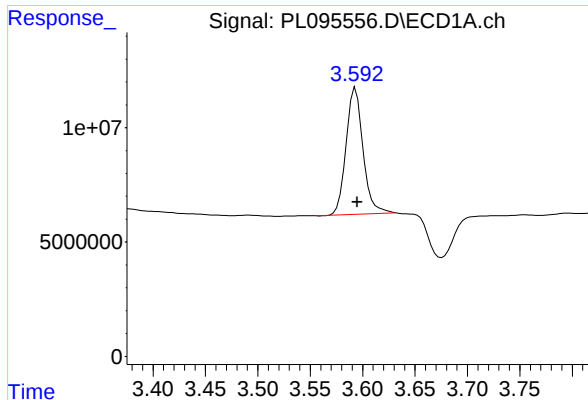
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:45:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





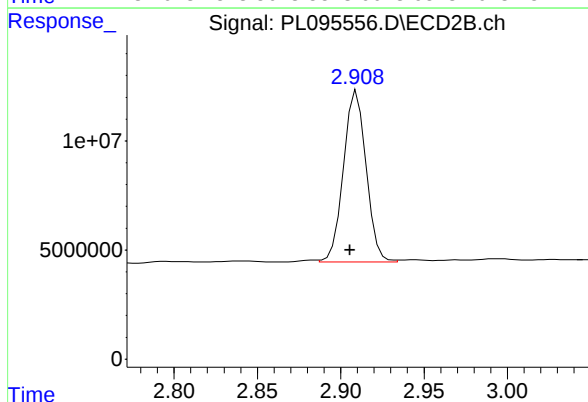
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62579477
Conc: 19.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOWER-WALL-PILE-D

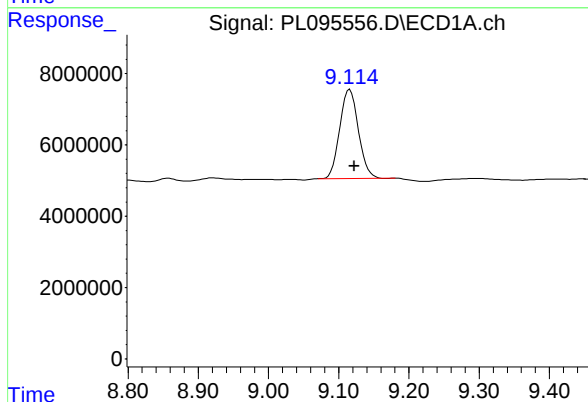
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



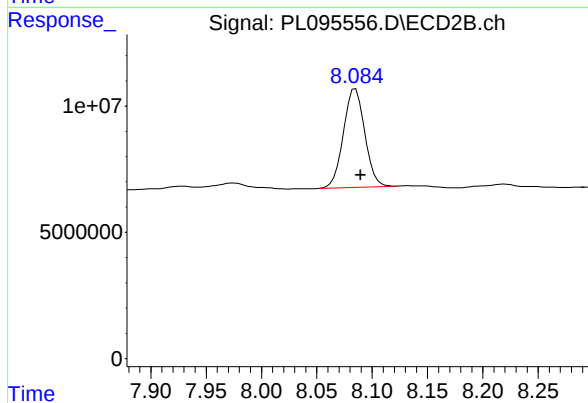
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.003 min
Response: 74073176
Conc: 23.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 46124089
Conc: 16.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.005 min
Response: 52638097
Conc: 17.79 ng/ml



CALIBRATION SUMMARY

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

[illegible]

Contract:	<u>SAXT01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1938</u>	SAS No.:	<u>Q1938</u>	SDG NO.:	<u>Q1938</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):		<u>04/23/2025</u>	<u>04/23/2025</u>		
		Calibration Times:		<u>11:31</u>	<u>12:26</u>		

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SAXT01
Lab Code: CHEM **Case No.:** Q1938 **SAS No.:** Q1938 **SDG NO.:** Q1938
Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26

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

LAB FILE ID:		CF 100 = <u>PL095329.D</u>		CF 075 = <u>PL095330.D</u>			
CF 050 = <u>PL095331.D</u>		CF 025 = <u>PL095332.D</u>		CF 005 = <u>PL095333.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2865080000	2820110000	2707400000	2820390000	2941790000	2830960000	3
4,4'-DDE	3926930000	3864370000	3733720000	3923550000	4154180000	3920550000	4
4,4'-DDT	2903290000	2865670000	2760290000	2861180000	2852460000	2848580000	2
Aldrin	4647840000	4586260000	4401320000	4541780000	4787920000	4593020000	3
alpha-BHC	5150700000	5065320000	4774330000	4852360000	4926030000	4953750000	3
alpha-Chlordane	4076760000	4030350000	3886010000	4083630000	4253720000	4066090000	3
beta-BHC	2022450000	2016400000	1965250000	2085680000	2247800000	2067520000	5
Decachlorobiphenyl	2647270000	2643130000	2643240000	2821430000	3098960000	2770810000	7
delta-BHC	4738070000	4633190000	4424190000	4566110000	4891850000	4650680000	4
Dieldrin	3906950000	3842890000	3678670000	3851250000	3994310000	3854810000	3
Endosulfan I	3770440000	3742230000	3626630000	3786630000	4061610000	3797510000	4
Endosulfan II	3128440000	3103520000	3002730000	3212680000	3513410000	3192160000	6
Endosulfan sulfate	2745420000	2730650000	2668320000	2842960000	3021620000	2801790000	5
Endrin	3180610000	3135010000	3029370000	3189370000	3389380000	3184750000	4
Endrin aldehyde	2276780000	2261540000	2217540000	2374650000	2473490000	2320800000	4
Endrin ketone	2808150000	2785670000	2719210000	2881190000	3060160000	2850880000	5
gamma-BHC (Lindane)	4856470000	4786000000	4549760000	4668080000	4809580000	4733980000	3
gamma-Chlordane	4124190000	4059250000	3905550000	4078750000	4229020000	4079350000	3
Heptachlor	4568820000	4531980000	4377790000	4575770000	4817970000	4574470000	3
Heptachlor epoxide	3988500000	3934340000	3801190000	4031630000	4270090000	4005150000	4
Methoxychlor	1352180000	1349600000	1330140000	1425930000	1517800000	1395130000	6
Tetrachloro-m-xylene	3234910000	3230840000	3121140000	3291160000	3445310000	3264670000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SAXT01
Lab Code: CHEM **Case No.:** Q1938 **SAS No.:** Q1938 **SDG NO.:** Q1938
Instrument ID: ECD_L
Calibration Date(s): 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL095329.D</u>		CF 075 = <u>PL095330.D</u>			
CF 050 = <u>PL095331.D</u>		CF 025 = <u>PL095332.D</u>		CF 005 = <u>PL095333.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3451170000	3194300000	3089420000	3267920000	3331160000	3266790000	4
4,4'-DDE	4259410000	3966100000	3865330000	4094560000	4149440000	4066970000	4
4,4'-DDT	3670140000	3377430000	3277310000	3441260000	3414750000	3436180000	4
Aldrin	4336230000	4110670000	3932000000	4090330000	4109170000	4115680000	4
alpha-BHC	4736540000	4516850000	4297240000	4349260000	4343700000	4448720000	4
alpha-Chlordane	4133620000	3862560000	3765120000	4001070000	4142940000	3981060000	4
beta-BHC	2067890000	1993150000	1943400000	2123640000	2251240000	2075870000	6
Decachlorobiphenyl	3012930000	2805190000	2819260000	3040170000	3118780000	2959270000	5
delta-BHC	4648560000	4403980000	4210640000	4308090000	4338550000	4381960000	4
Dieldrin	4236430000	3965120000	3821410000	4048720000	4263750000	4067090000	5
Endosulfan I	3807730000	3560790000	3497100000	3705930000	3730570000	3660420000	3
Endosulfan II	3698040000	3467810000	3383890000	3618180000	3787600000	3591100000	5
Endosulfan sulfate	3392490000	3183240000	3137080000	3349770000	3527070000	3317930000	5
Endrin	3800710000	3545950000	3460240000	3666780000	3729930000	3640720000	4
Endrin aldehyde	2674690000	2521940000	2472880000	2646040000	2750240000	2613160000	4
Endrin ketone	3628850000	3413660000	3354790000	3555450000	3653710000	3521290000	4
gamma-BHC (Lindane)	4631690000	4416100000	4228420000	4346320000	4368600000	4398230000	3
gamma-Chlordane	4227760000	3927530000	3820020000	4050010000	4238020000	4052670000	5
Heptachlor	4496590000	4284140000	4154420000	4363150000	4485210000	4356700000	3
Heptachlor epoxide	3969410000	3758210000	3669420000	3887920000	4028340000	3862660000	4
Methoxychlor	1917900000	1805540000	1811740000	1949450000	2052510000	1907430000	5
Tetrachloro-m-xylene	3206620000	3119570000	3030900000	3186820000	3354850000	3179750000	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Instrument ID: ECD_L Date(s) Analyzed: 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.29	6.19	6.39	28235200
		2	6.49	6.39	6.59	39421500
		3	7.10	7.00	7.20	96309000
		4	7.19	7.09	7.29	70316900
		5	7.97	7.87	8.07	49098200



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Instrument ID: ECD_L Date(s) Analyzed: 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.17	5.07	5.27	24602200
		2	5.49	5.39	5.59	23566500
		3	5.85	5.75	5.95	25599600
		4	6.77	6.67	6.87	76845100
		5	7.21	7.11	7.31	55473400

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:31
 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: Apr 23 12:29:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm 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...	3.595	2.906	323.5E6	320.7E6	101.790	102.817
28)	SA Decachlor...	9.123	8.089	264.7E6	301.3E6	100.076	103.321
Target Compounds							
2)	A alpha-BHC	4.046	3.416	515.1E6	473.7E6	103.792	104.863
3)	MA gamma-BHC...	4.378	3.750	485.6E6	463.2E6	103.261	104.552
4)	MA Heptachlor	4.976	4.105	456.9E6	449.7E6	102.135	103.955
5)	MB Aldrin	5.318	4.390	464.8E6	433.6E6	102.724	104.889
6)	B beta-BHC	4.563	4.043	202.2E6	206.8E6	101.434	103.103
7)	B delta-BHC	4.812	4.280	473.8E6	464.9E6	103.426	104.943
8)	B Heptachlo...	5.739	4.893	398.8E6	396.9E6	102.405	103.927
9)	A Endosulfan I	6.122	5.266	377.0E6	380.8E6	101.944	104.252
10)	B gamma-Chl...	5.993	5.146	412.4E6	422.8E6	102.723	105.067
11)	B alpha-Chl...	6.074	5.210	407.7E6	413.4E6	102.396	104.665
12)	B 4,4'-DDE	6.243	5.397	392.7E6	425.9E6	102.522	104.850
13)	MA Dieldrin	6.395	5.532	390.7E6	423.6E6	103.009	105.151
14)	MA Endrin	6.623	5.807	318.1E6	380.1E6	102.435	104.689
15)	B Endosulfa...	6.835	6.097	312.8E6	369.8E6	102.050	104.436
16)	A 4,4'-DDD	6.753	5.949	286.5E6	345.1E6	102.830	105.531
17)	MA 4,4'-DDT	7.068	6.204	290.3E6	367.0E6	102.525	105.654
18)	B Endrin al...	6.964	6.275	227.7E6	267.5E6	101.318	103.921
19)	B Endosulfa...	7.197	6.498	274.5E6	339.2E6	101.424	103.912
20)	A Methoxychlor	7.540	6.775	135.2E6	191.8E6	100.822	102.846
21)	B Endrin ke...	7.679	7.004	280.8E6	362.9E6	101.609	103.924
22)	Mirex	8.161	7.201	221.4E6	287.9E6	99.567	102.890

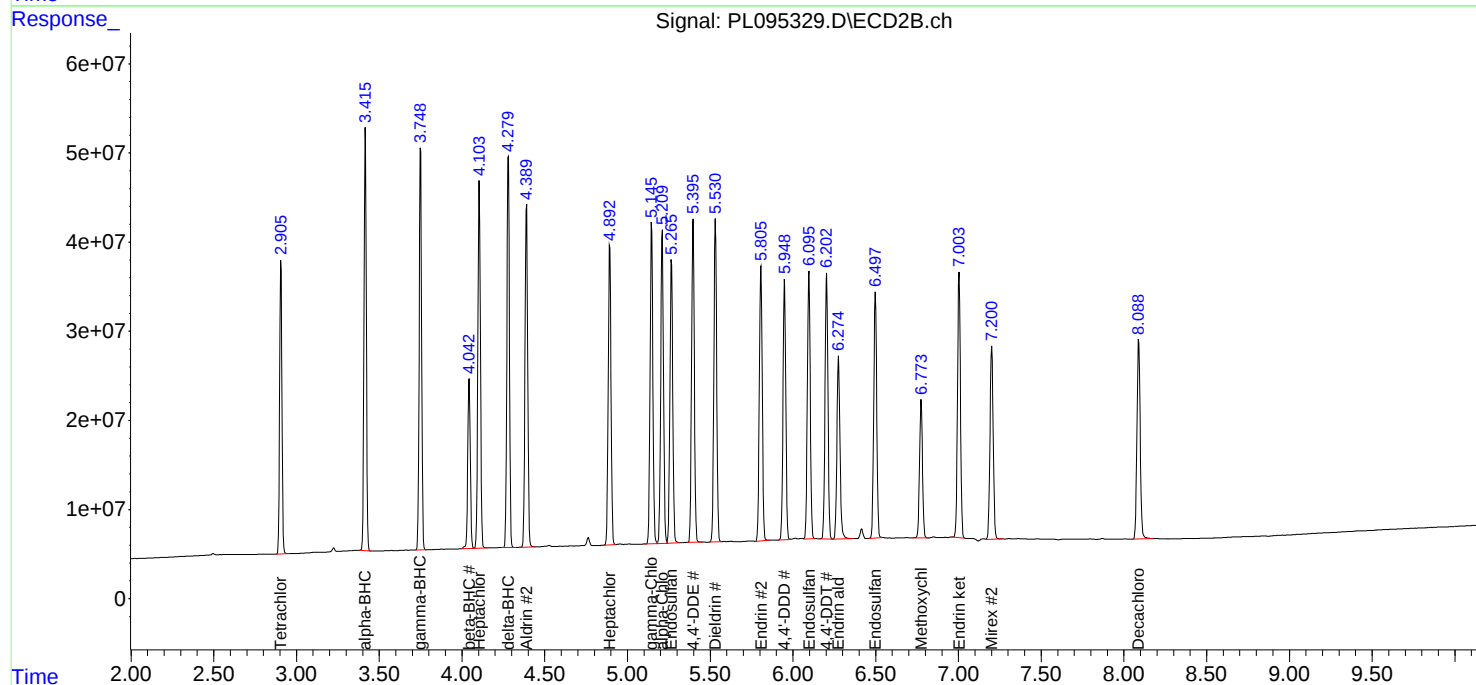
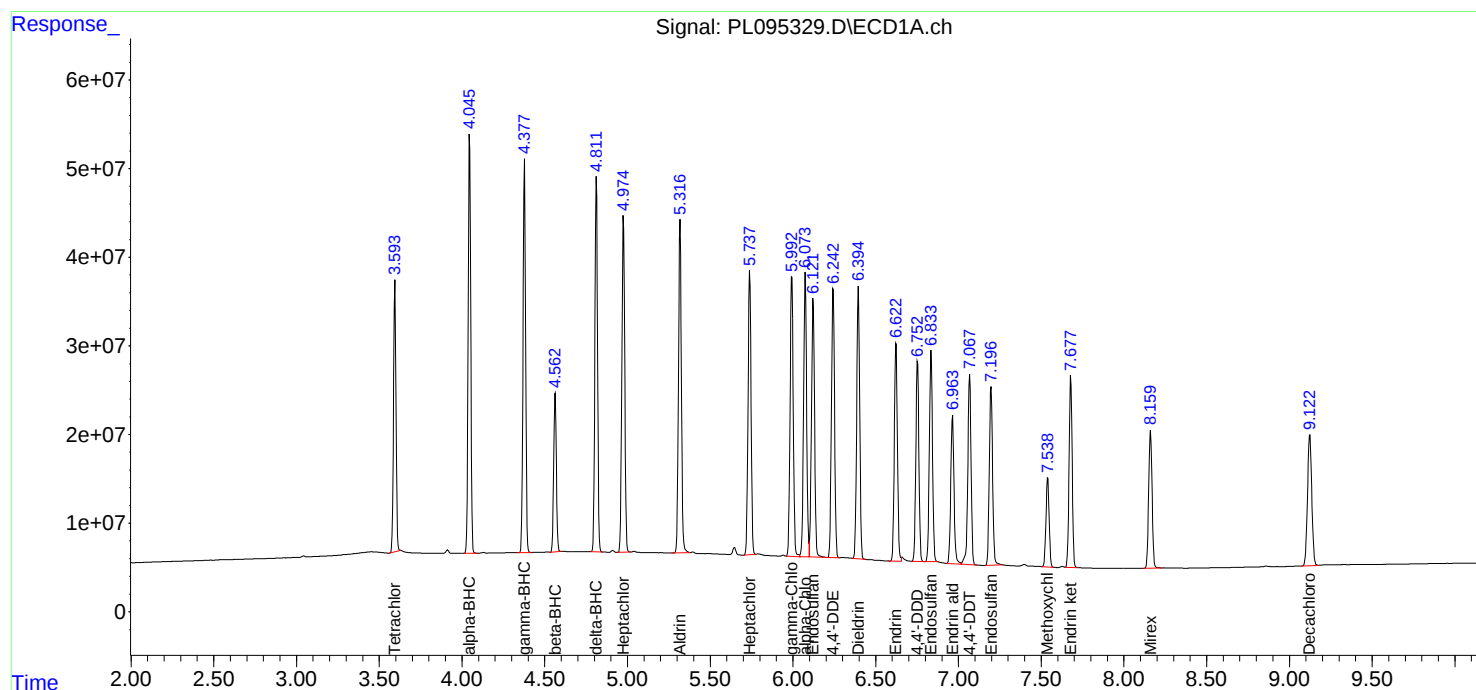
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

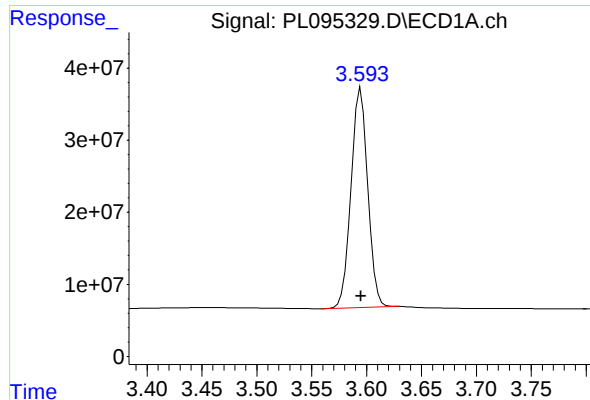
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:29:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

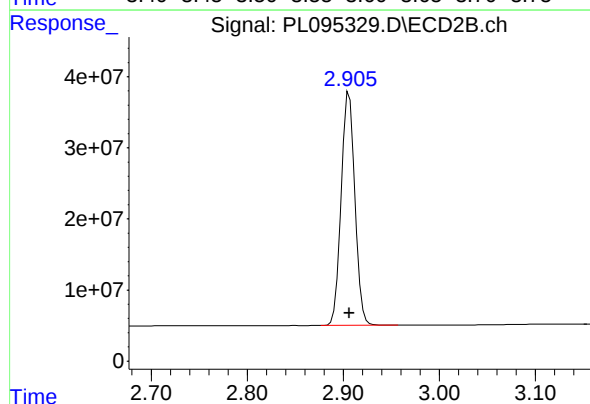




#1 Tetrachloro-m-xylene

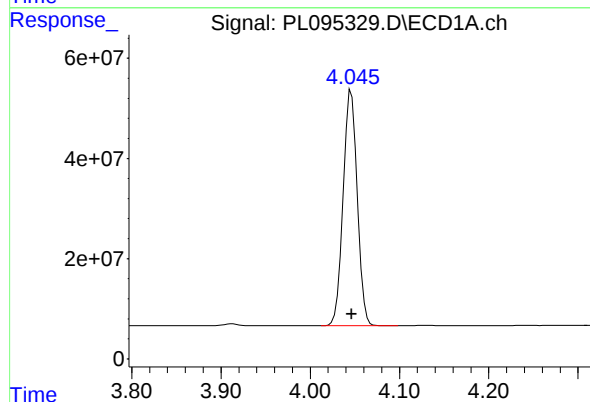
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 323491125
Conc: 101.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



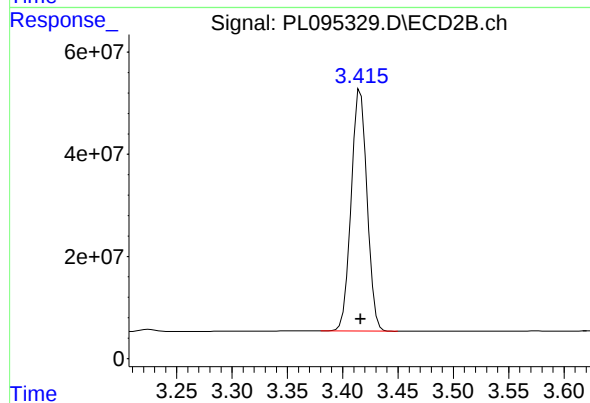
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 320661815
Conc: 102.82 ng/ml



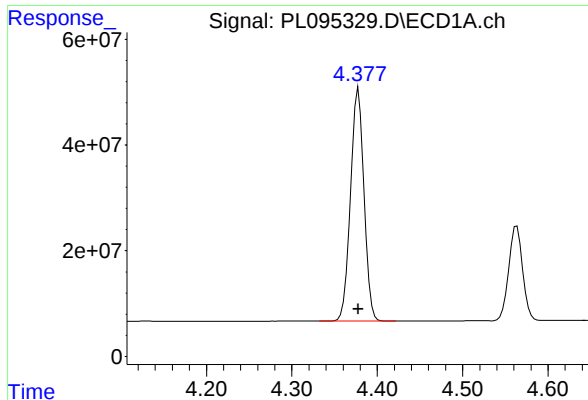
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 515070430
Conc: 103.79 ng/ml



#2 alpha-BHC

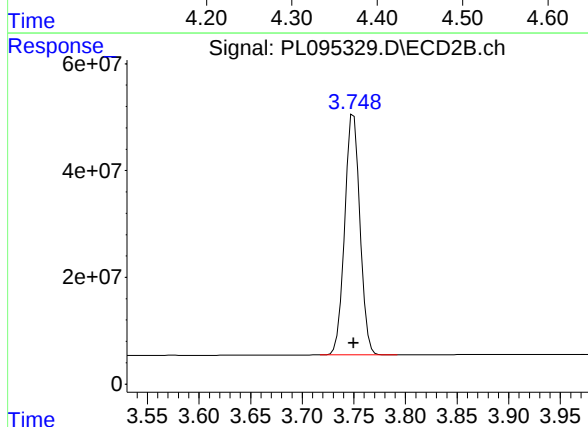
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 473654475
Conc: 104.86 ng/ml



#3 gamma-BHC (Lindane)

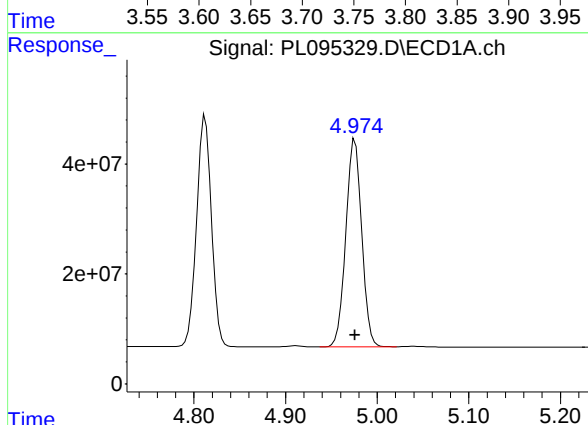
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 485646578
Conc: 103.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



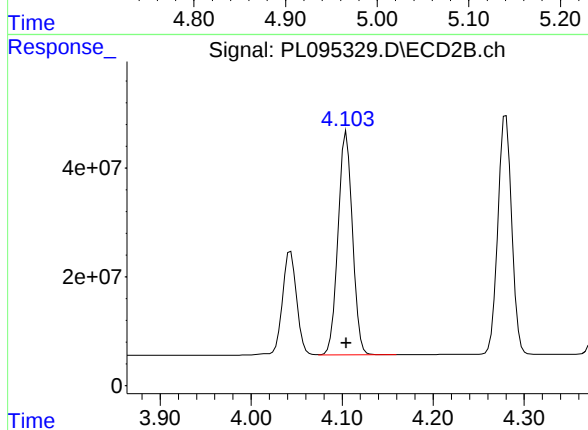
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 463168586
Conc: 104.55 ng/ml



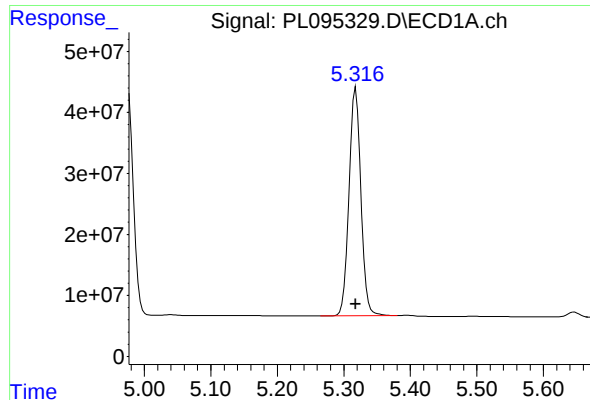
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 456881987
Conc: 102.14 ng/ml



#4 Heptachlor

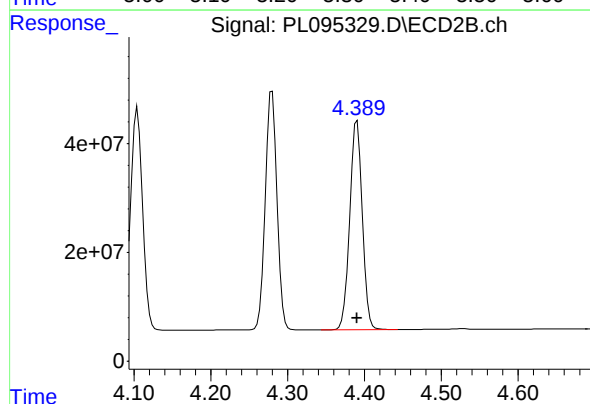
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 449658556
Conc: 103.96 ng/ml



#5 Aldrin

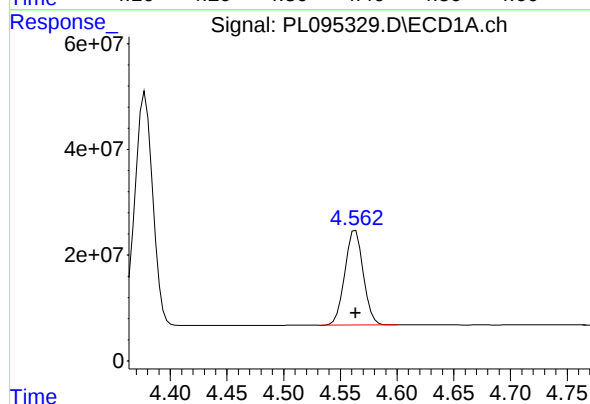
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 464783691
Conc: 102.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



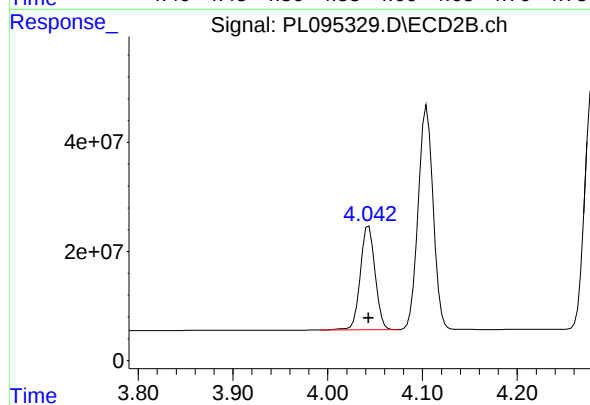
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 433622988
Conc: 104.89 ng/ml



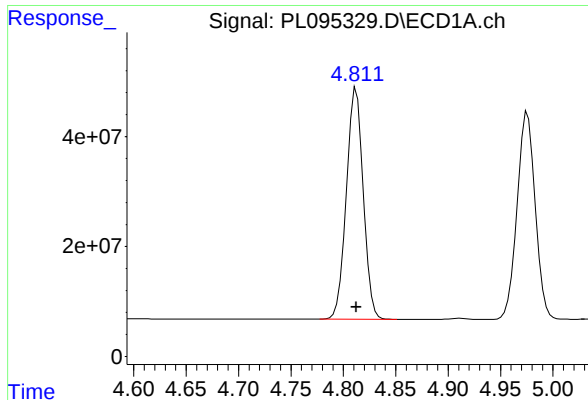
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 202245248
Conc: 101.43 ng/ml



#6 beta-BHC

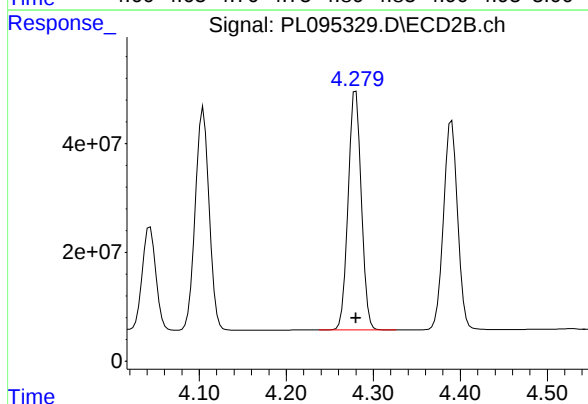
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 206788694
Conc: 103.10 ng/ml



#7 delta-BHC

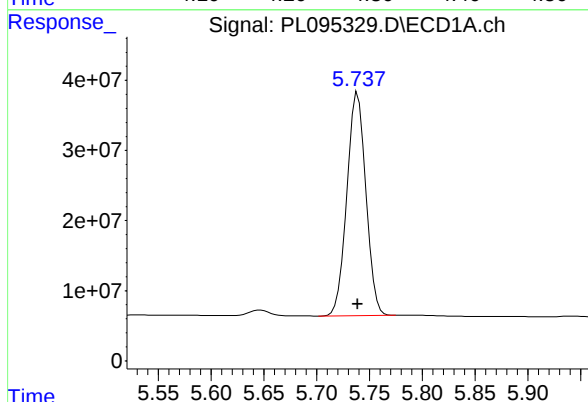
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 473807061
Conc: 103.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



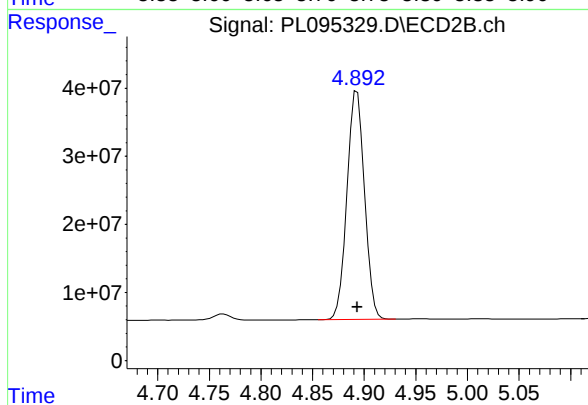
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 464855530
Conc: 104.94 ng/ml



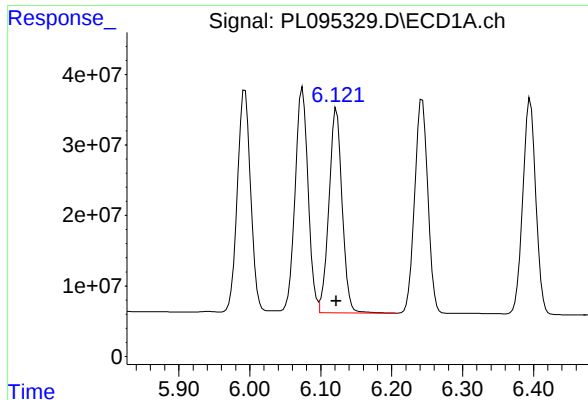
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 398849731
Conc: 102.40 ng/ml



#8 Heptachlor epoxide

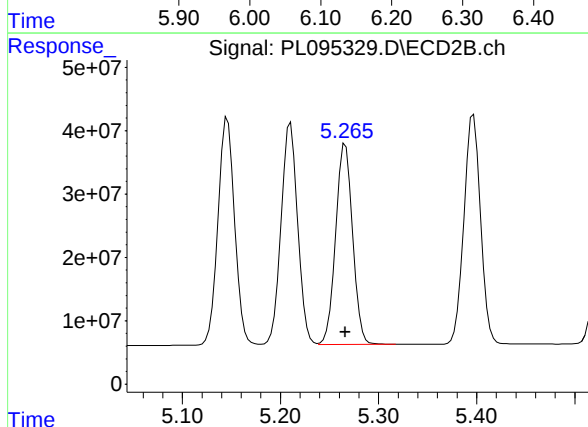
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 396941132
Conc: 103.93 ng/ml



#9 Endosulfan I

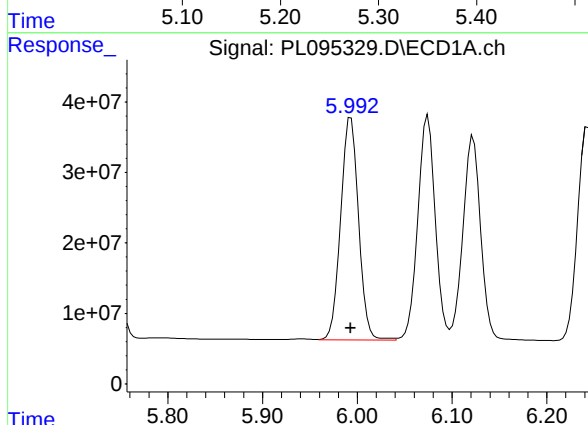
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 377044280
Conc: 101.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



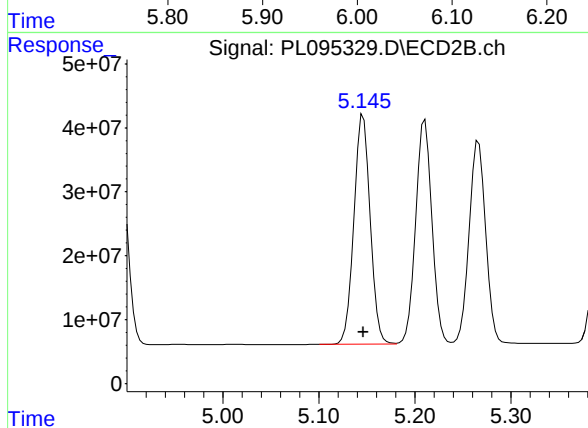
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 380773241
Conc: 104.25 ng/ml



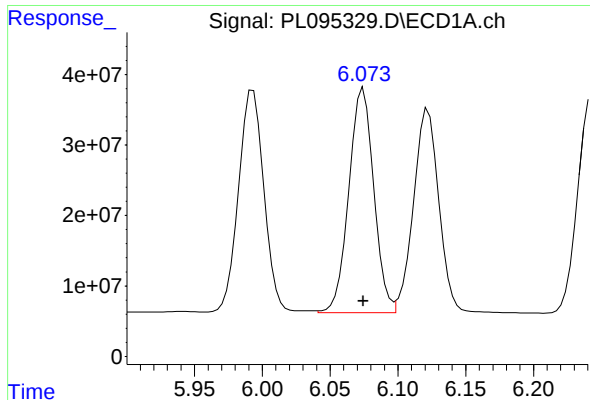
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 412419220
Conc: 102.72 ng/ml



#10 gamma-Chlordane

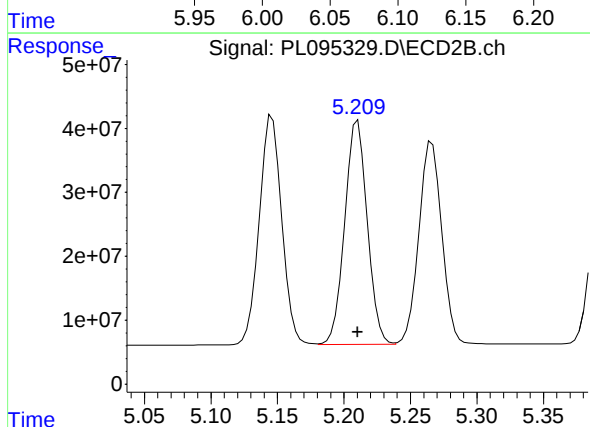
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 422776294
Conc: 105.07 ng/ml



#11 alpha-Chlordane

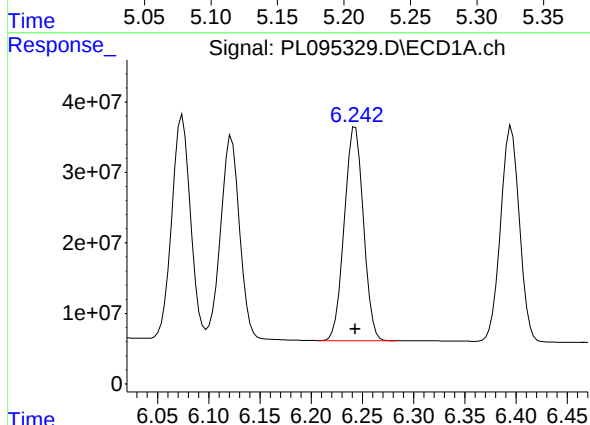
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 407676371
Conc: 102.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



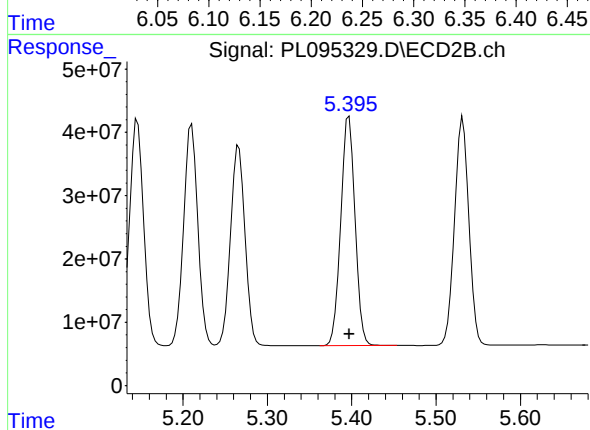
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 413362305
Conc: 104.67 ng/ml



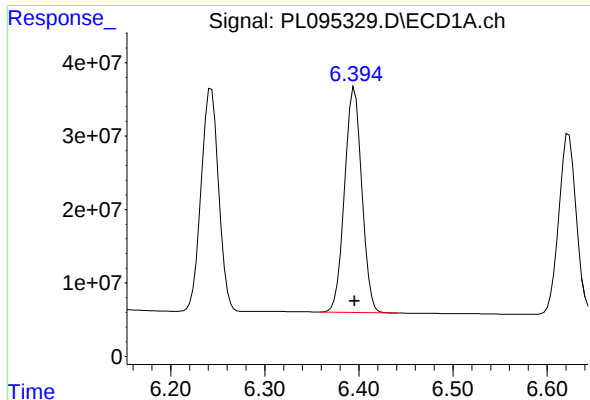
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 392693208
Conc: 102.52 ng/ml



#12 4,4'-DDE

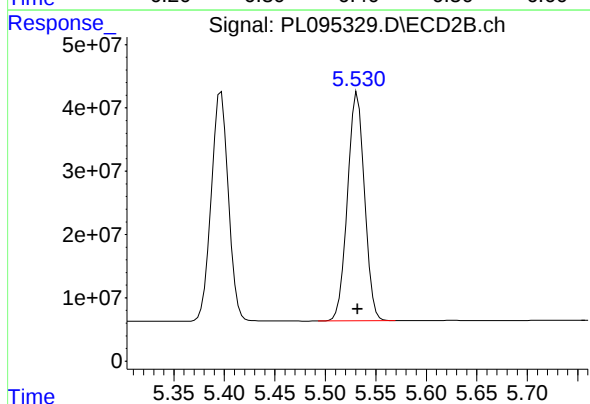
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 425941388
Conc: 104.85 ng/ml



#13 Dieldrin

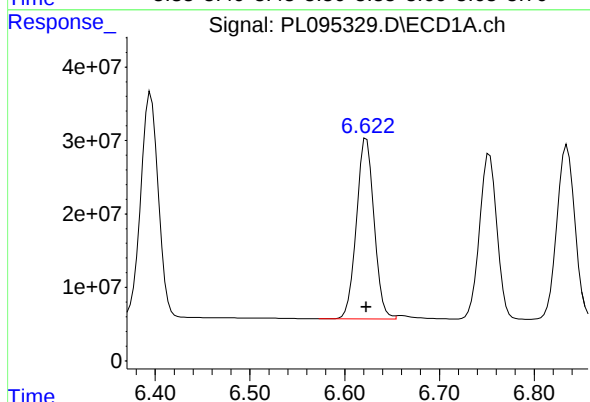
R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 390695114
Conc: 103.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



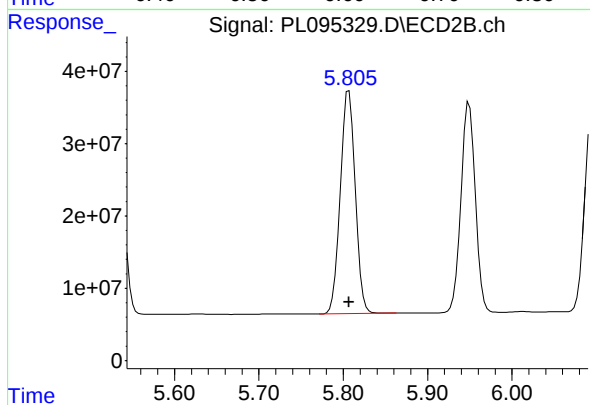
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 423643266
Conc: 105.15 ng/ml



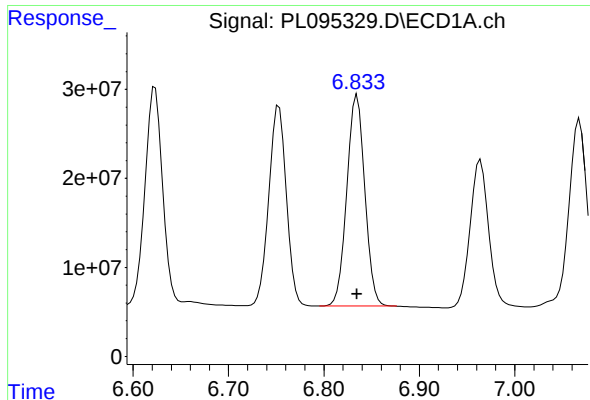
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 318061123
Conc: 102.44 ng/ml



#14 Endrin

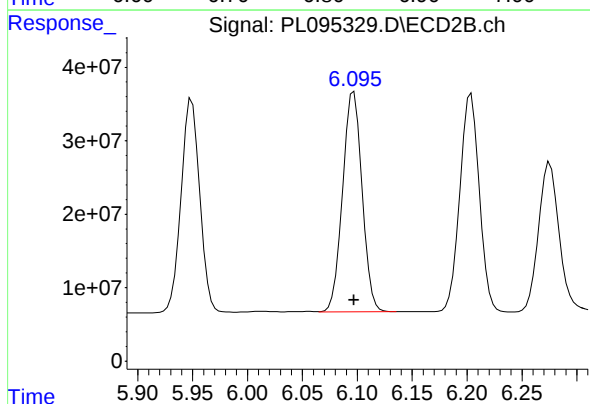
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 380070631
Conc: 104.69 ng/ml



#15 Endosulfan II

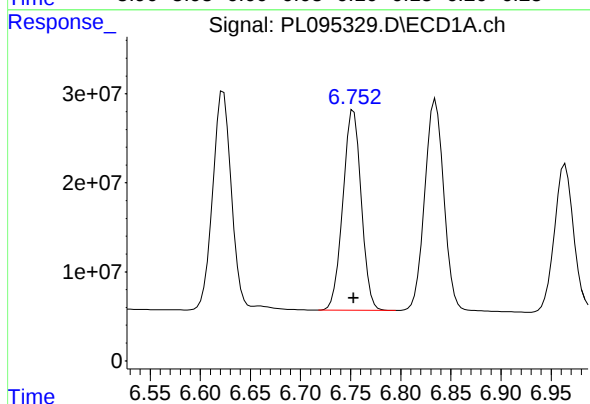
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 312843730
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



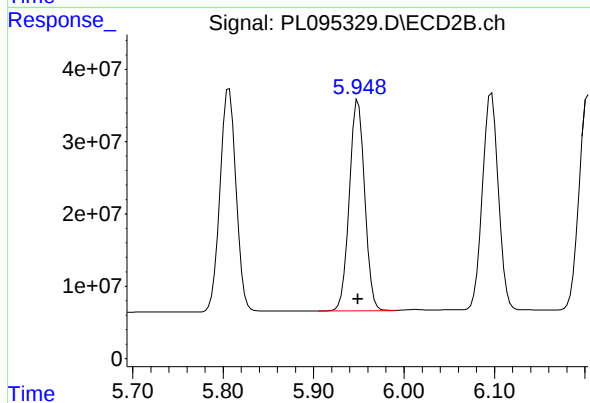
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 369804223
Conc: 104.44 ng/ml



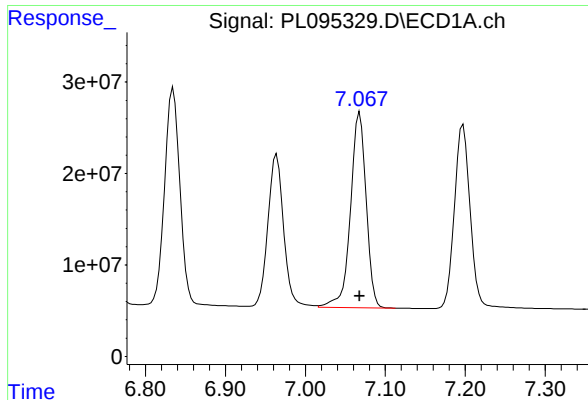
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 286508080
Conc: 102.83 ng/ml



#16 4,4'-DDD

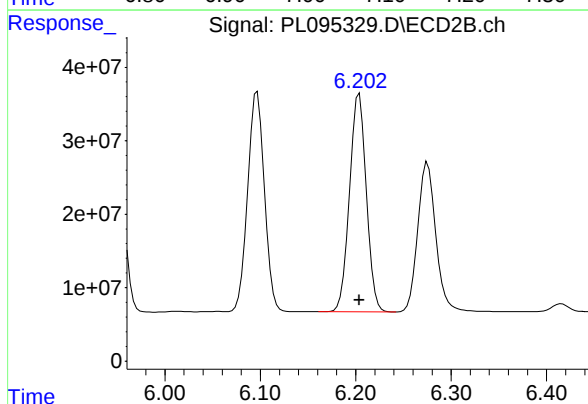
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 345117468
Conc: 105.53 ng/ml



#17 4,4'-DDT

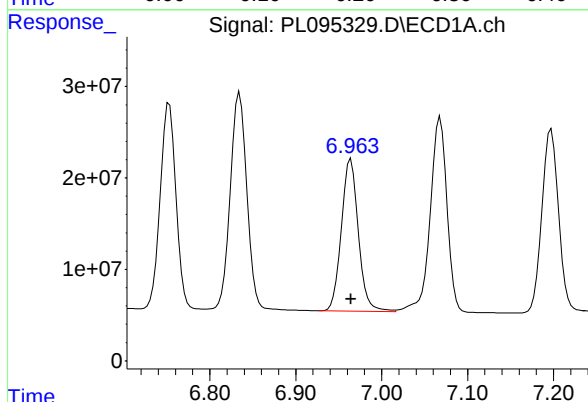
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 290329287
Conc: 102.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



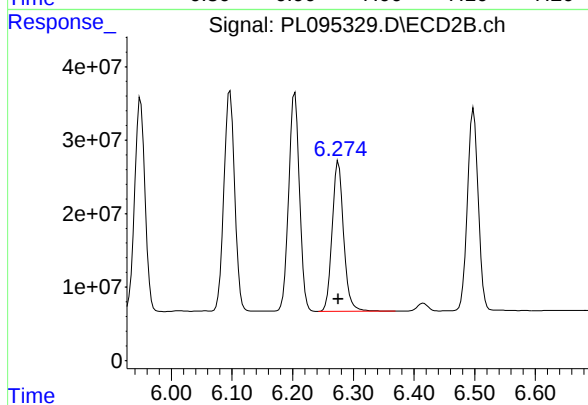
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 367013697
Conc: 105.65 ng/ml



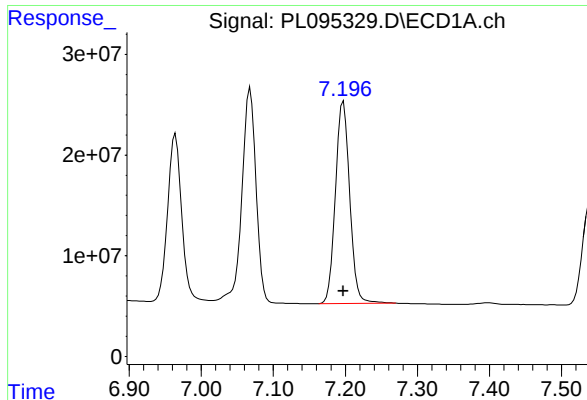
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 227678358
Conc: 101.32 ng/ml



#18 Endrin aldehyde

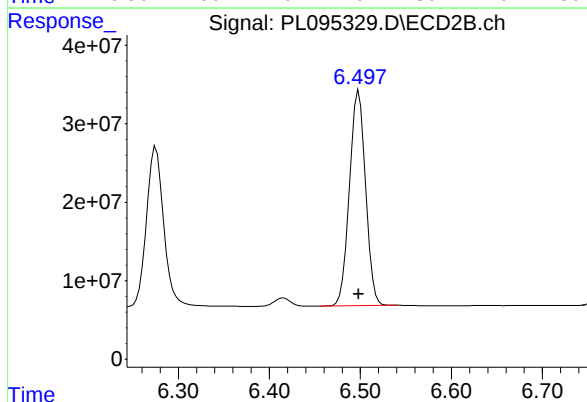
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 267469083
Conc: 103.92 ng/ml



#19 Endosulfan Sulfate

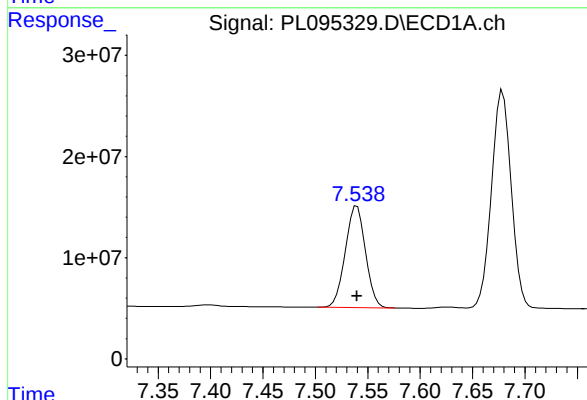
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 274542350
Conc: 101.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



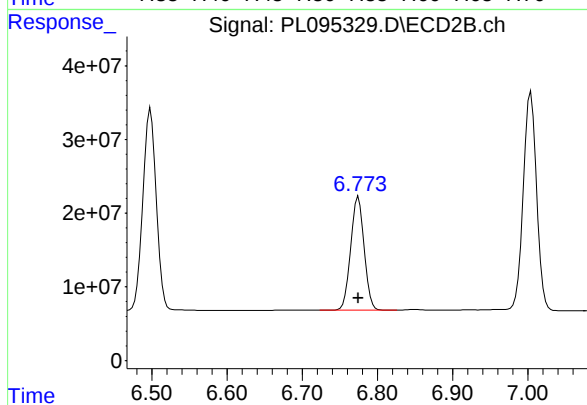
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 339248929
Conc: 103.91 ng/ml



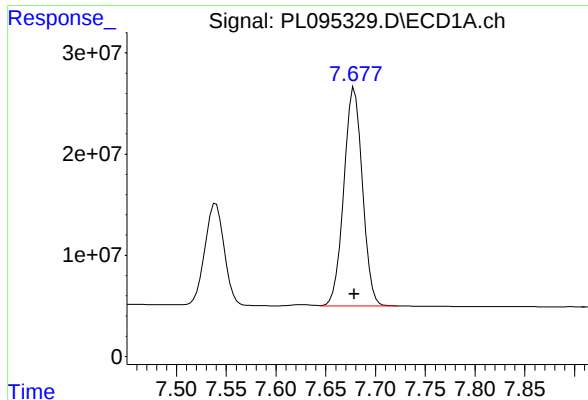
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 135217513
Conc: 100.82 ng/ml



#20 Methoxychlor

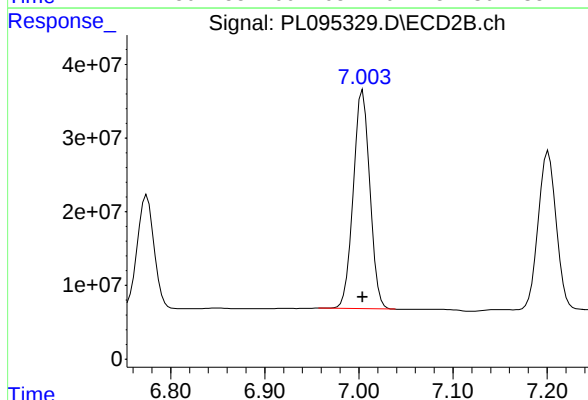
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 191790122
Conc: 102.85 ng/ml



#21 Endrin ketone

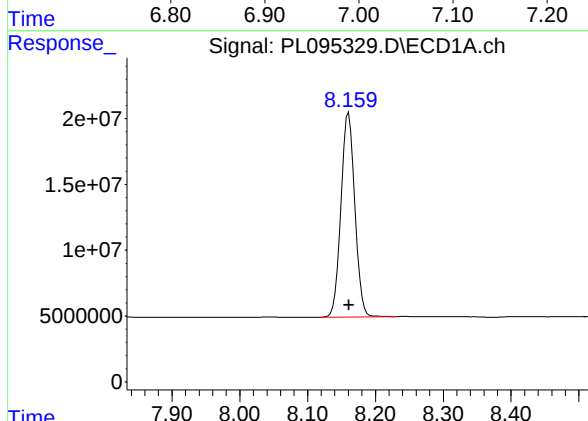
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 280815373
Conc: 101.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



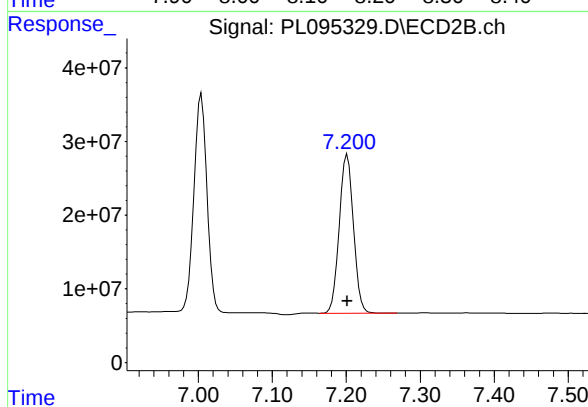
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 362885097
Conc: 103.92 ng/ml



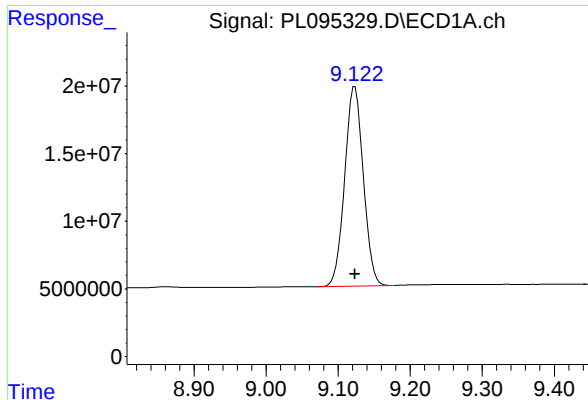
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 221403941
Conc: 99.57 ng/ml



#22 Mirex

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 287854160
Conc: 102.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min

Delta R.T.: 0.000 min

Response: 264726652

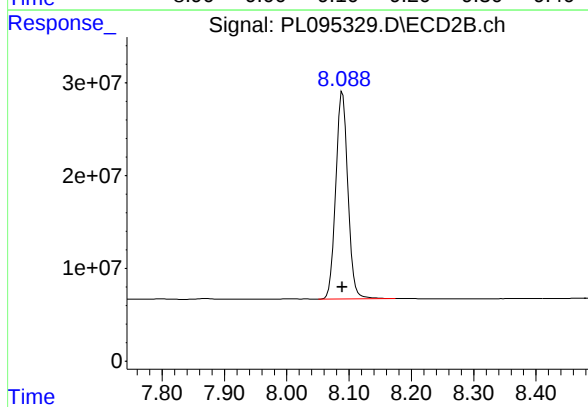
Conc: 100.08 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.089 min

Delta R.T.: 0.000 min

Response: 301292757

Conc: 103.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:45
 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: Apr 23 12:31:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm 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...	3.595	2.906	242.3E6	234.0E6	75.826	75.013
28) SA Decachlor...	9.123	8.090	198.2E6	210.4E6	74.960	73.074
Target Compounds						
2) A alpha-BHC	4.047	3.417	379.9E6	338.8E6	76.029	75.000
3) MA gamma-BHC...	4.378	3.750	358.9E6	331.2E6	75.876	74.842
4) MA Heptachlor	4.977	4.105	339.9E6	321.3E6	75.653	74.520
5) MB Aldrin	5.318	4.390	344.0E6	308.3E6	75.679	74.716
6) B beta-BHC	4.564	4.044	151.2E6	149.5E6	75.563	74.688
7) B delta-BHC	4.813	4.281	347.5E6	330.3E6	75.566	74.710
8) B Heptachlo...	5.740	4.894	295.1E6	281.9E6	75.505	74.194
9) A Endosulfan I	6.123	5.267	280.7E6	267.1E6	75.588	73.735
10) B gamma-Chl...	5.993	5.147	304.4E6	294.6E6	75.551	73.793
11) B alpha-Chl...	6.075	5.211	302.3E6	289.7E6	75.612	73.893
12) B 4,4'-DDE	6.243	5.398	289.8E6	297.5E6	75.443	73.806
13) MA Dieldrin	6.396	5.532	288.2E6	297.4E6	75.657	74.204
14) MA Endrin	6.623	5.807	235.1E6	265.9E6	75.482	73.827
15) B Endosulfa...	6.836	6.097	232.8E6	260.1E6	75.616	73.960
16) A 4,4'-DDD	6.753	5.949	211.5E6	239.6E6	75.605	73.829
17) MA 4,4'-DDT	7.069	6.204	214.9E6	253.3E6	75.596	73.601
18) B Endrin al...	6.965	6.276	169.6E6	189.1E6	75.319	73.986
19) B Endosulfa...	7.199	6.498	204.8E6	238.7E6	75.438	73.741
20) A Methoxychlor	7.540	6.775	101.2E6	135.4E6	75.314	73.393
21) B Endrin ke...	7.680	7.005	208.9E6	256.0E6	75.397	73.872
22) Mirex	8.161	7.202	167.3E6	202.6E6	75.145	73.247

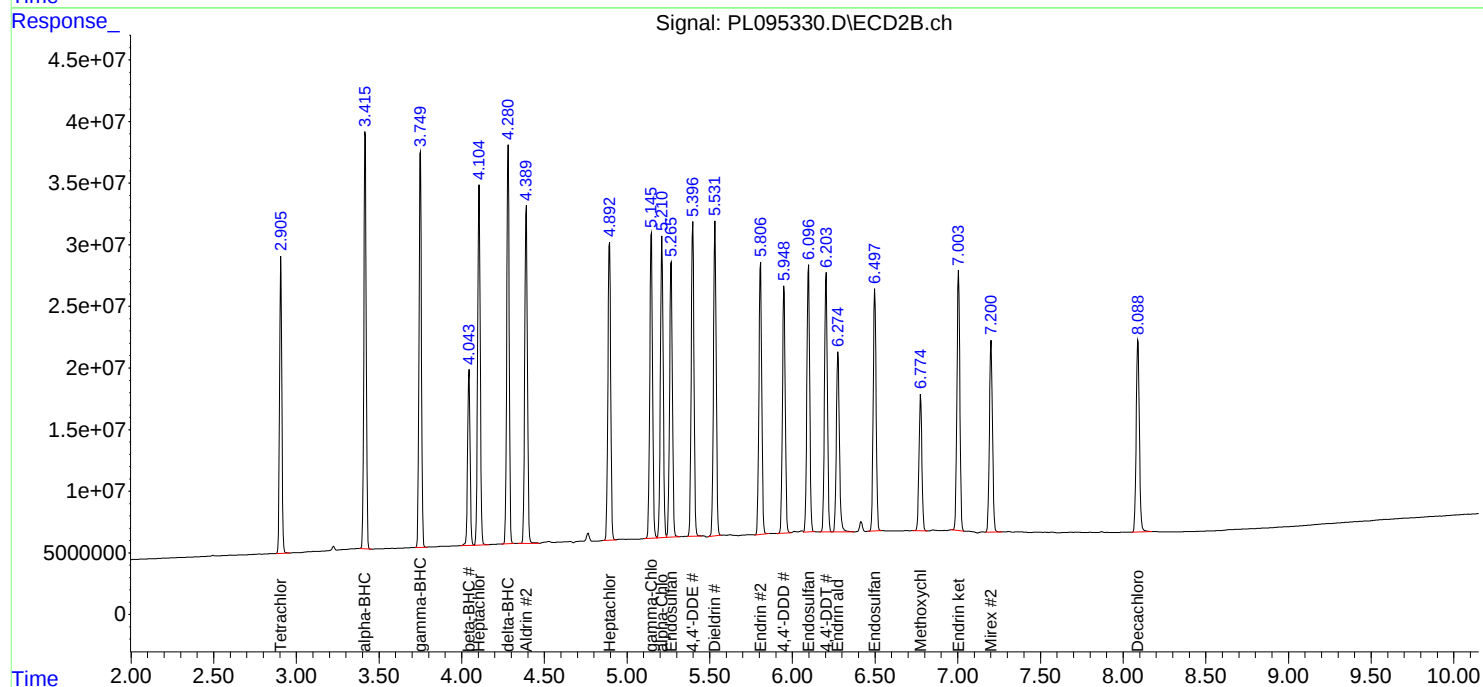
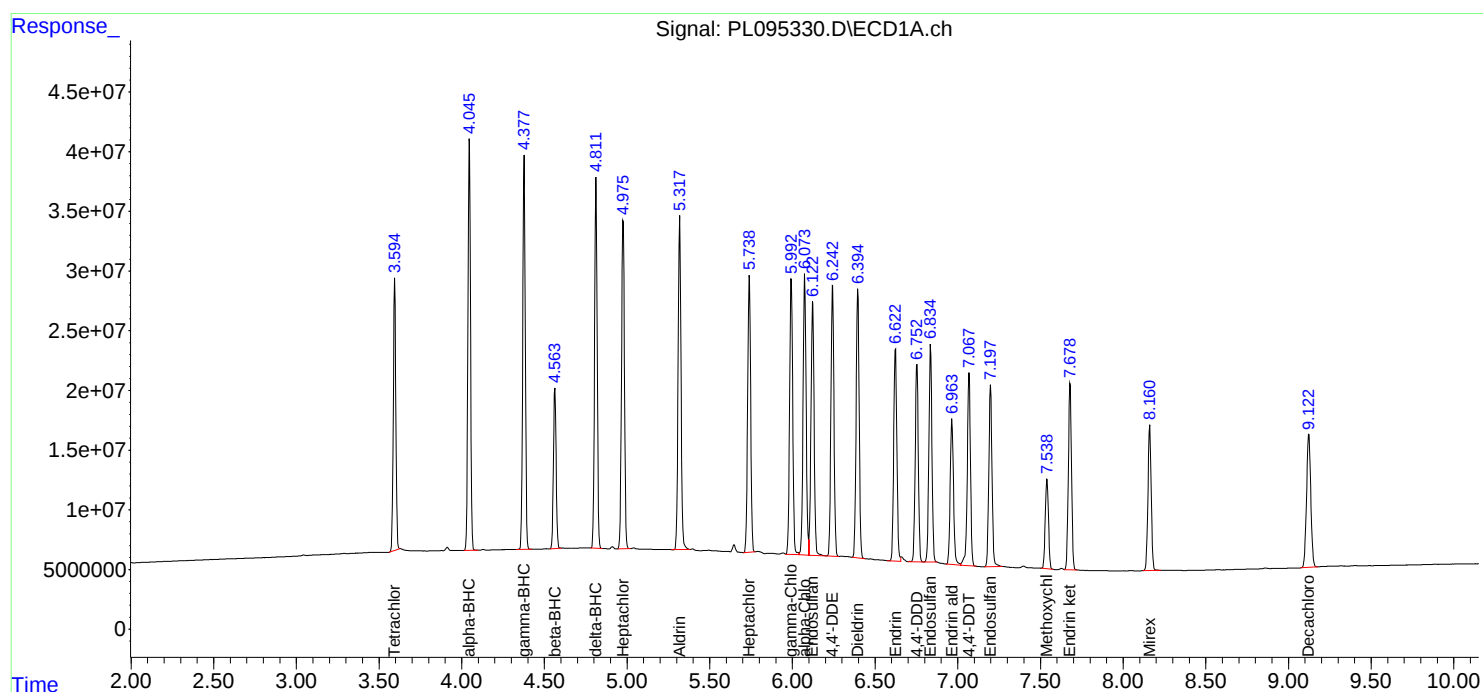
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

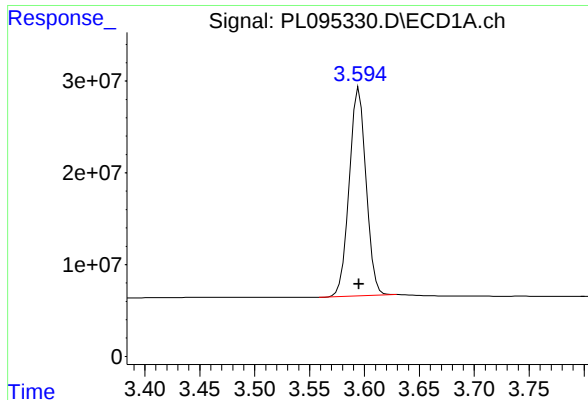
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

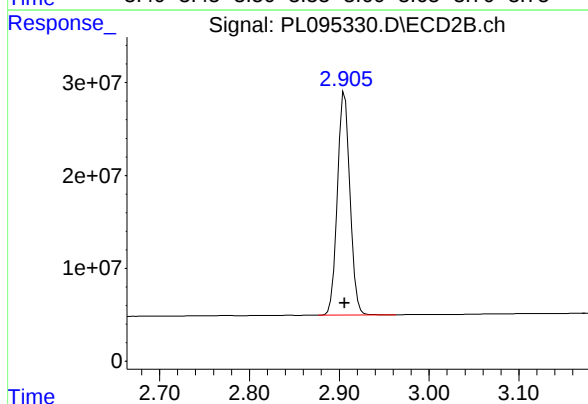




#1 Tetrachloro-m-xylene

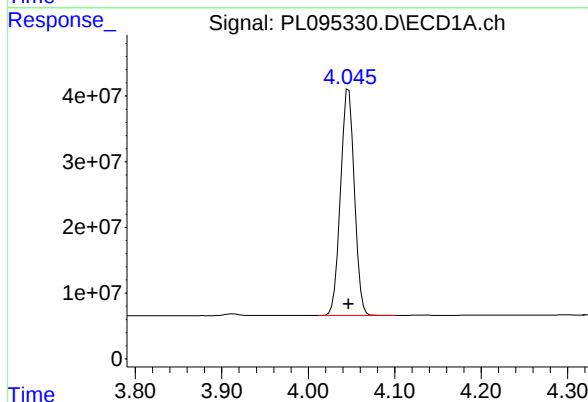
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 242312702
Conc: 75.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



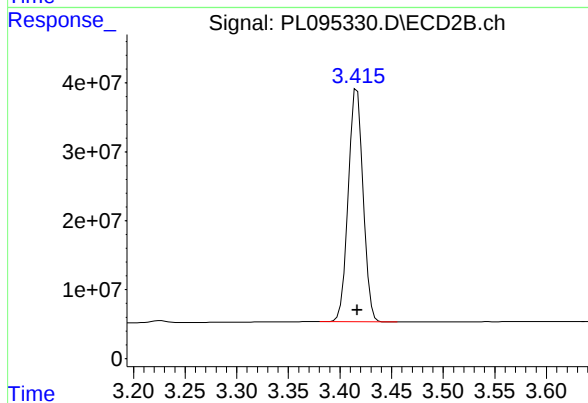
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 233967541
Conc: 75.01 ng/ml



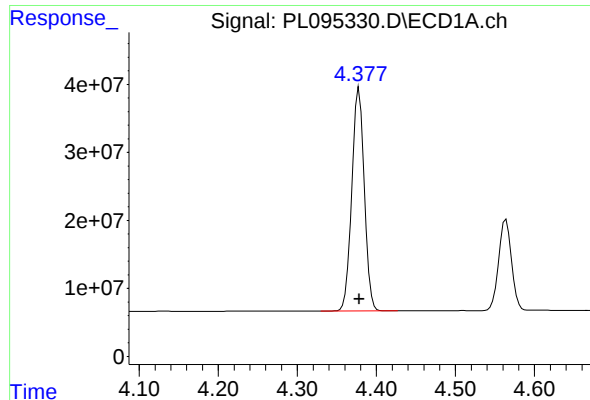
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 379898801
Conc: 76.03 ng/ml



#2 alpha-BHC

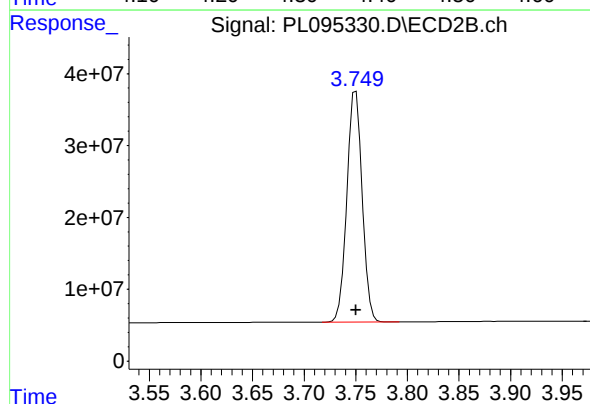
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 338763617
Conc: 75.00 ng/ml



#3 gamma-BHC (Lindane)

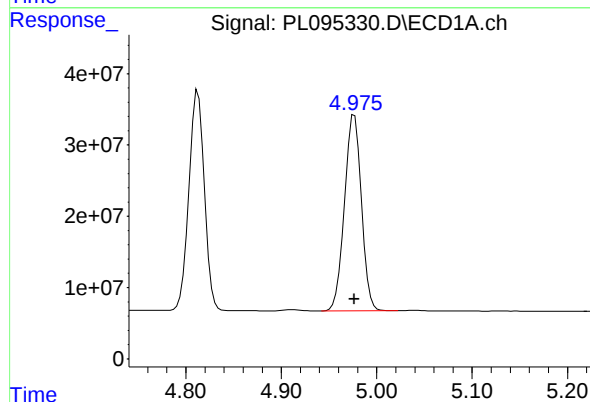
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 358949956
Conc: 75.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



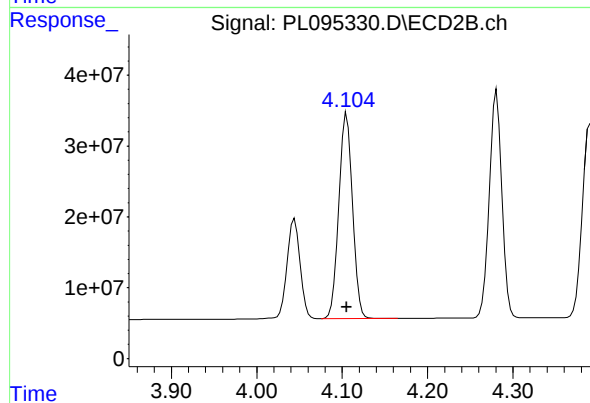
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 331207321
Conc: 74.84 ng/ml



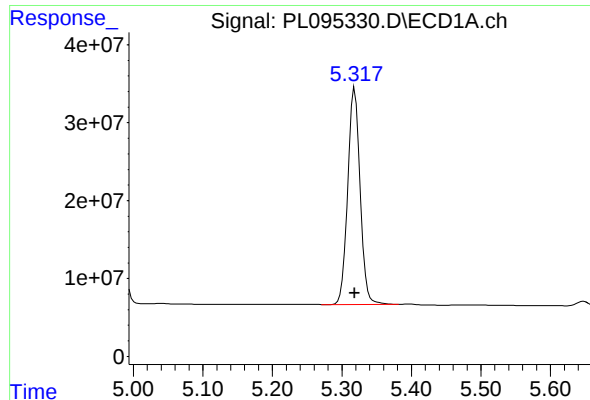
#4 Heptachlor

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 339898397
Conc: 75.65 ng/ml



#4 Heptachlor

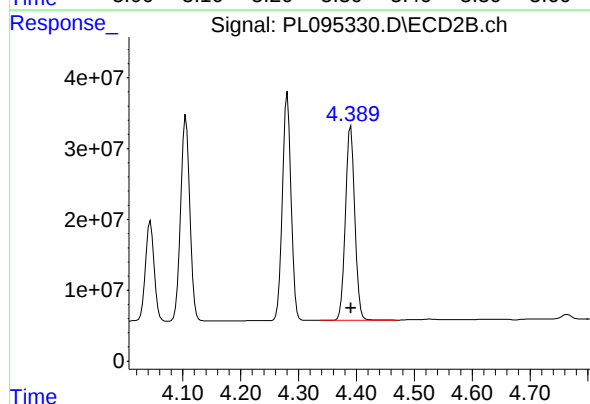
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 321310520
Conc: 74.52 ng/ml



#5 Aldrin

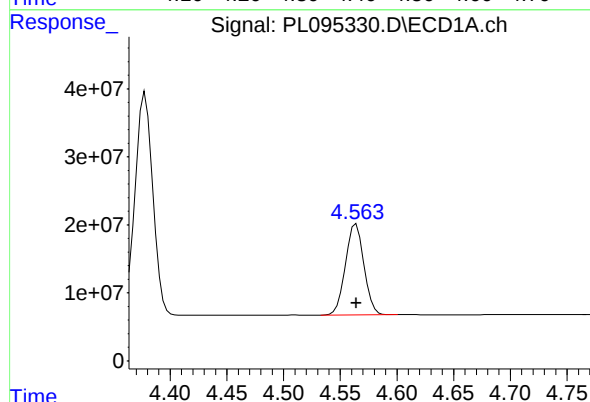
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 343969506
Conc: 75.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



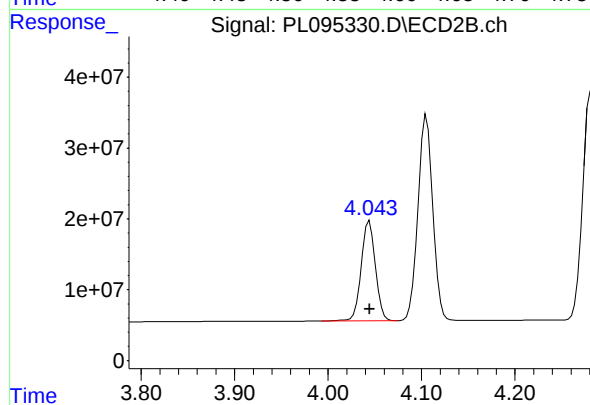
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 308300056
Conc: 74.72 ng/ml



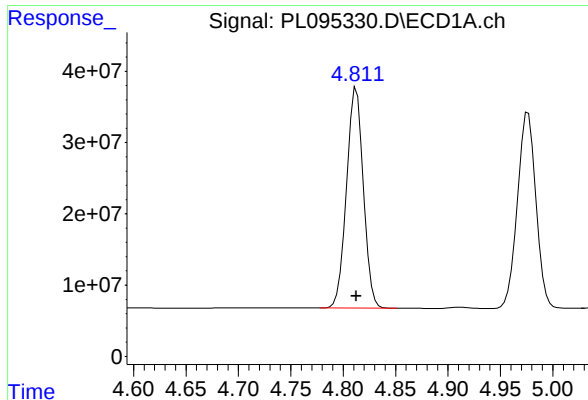
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 151230250
Conc: 75.56 ng/ml



#6 beta-BHC

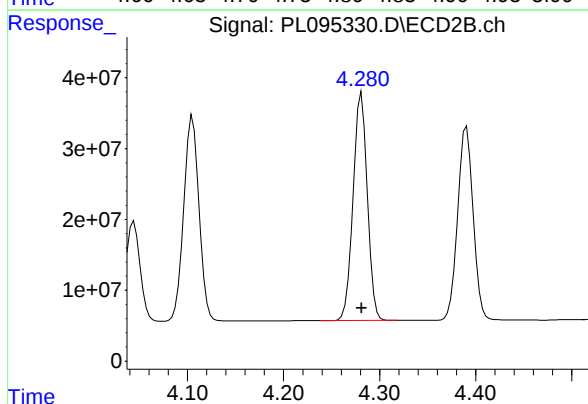
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 149486612
Conc: 74.69 ng/ml



#7 delta-BHC

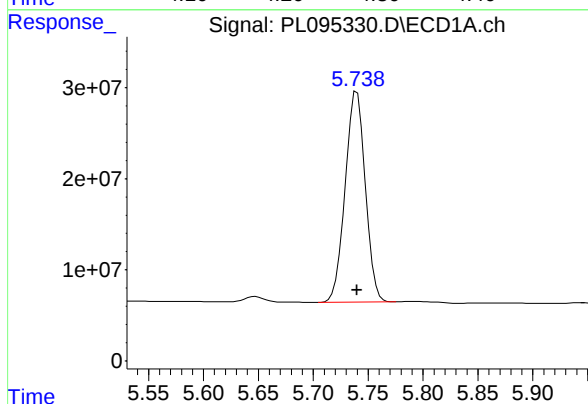
R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 347489339
Conc: 75.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



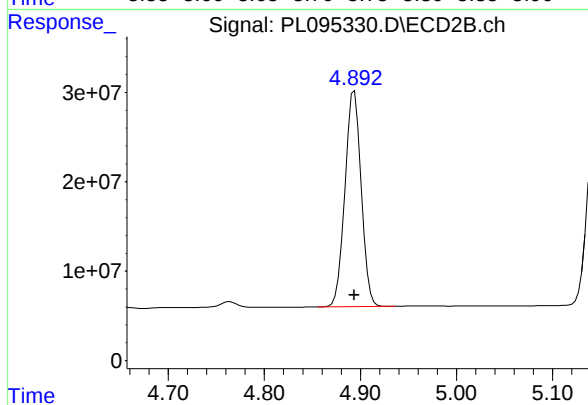
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.000 min
Response: 330298127
Conc: 74.71 ng/ml



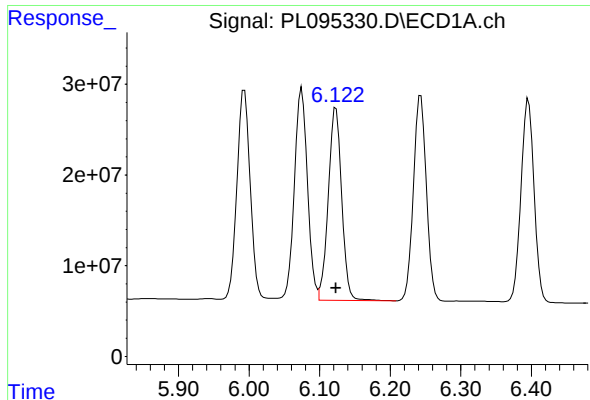
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 295075873
Conc: 75.51 ng/ml



#8 Heptachlor epoxide

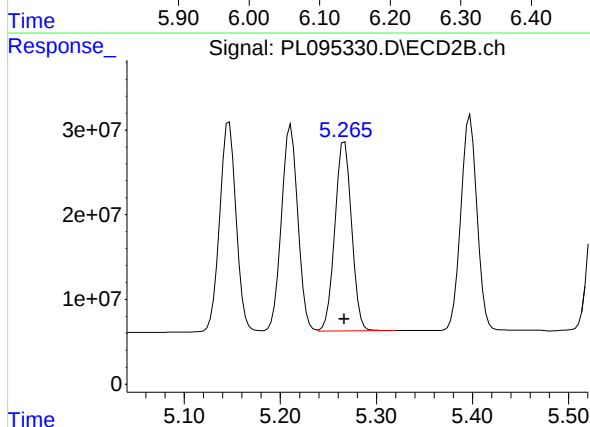
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 281865797
Conc: 74.19 ng/ml



#9 Endosulfan I

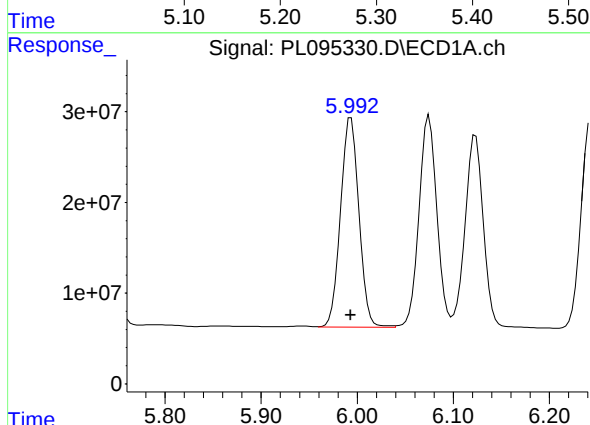
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 280667118
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



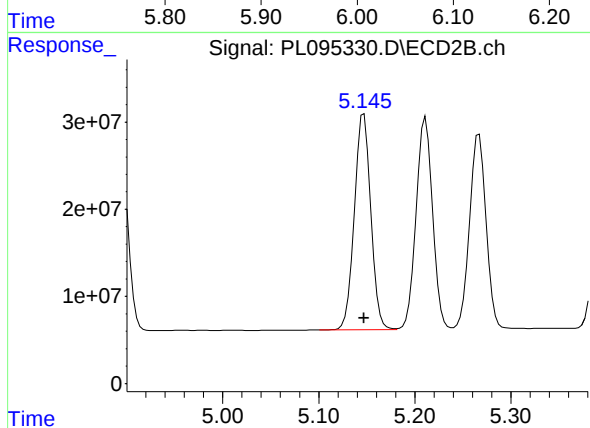
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 267059488
Conc: 73.74 ng/ml



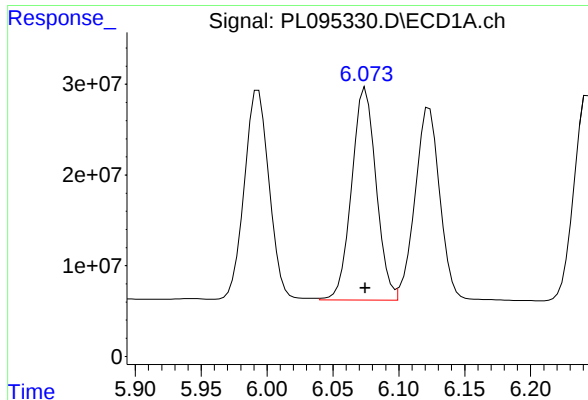
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 304444005
Conc: 75.55 ng/ml



#10 gamma-Chlordane

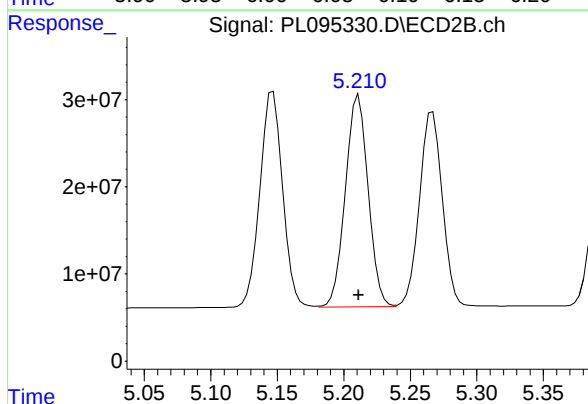
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 294564763
Conc: 73.79 ng/ml



#11 alpha-Chlordane

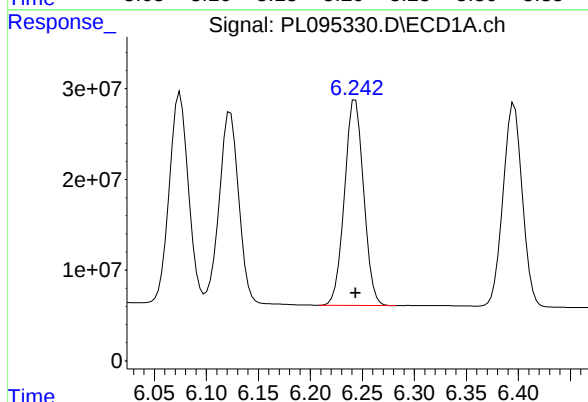
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 302276319
Conc: 75.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



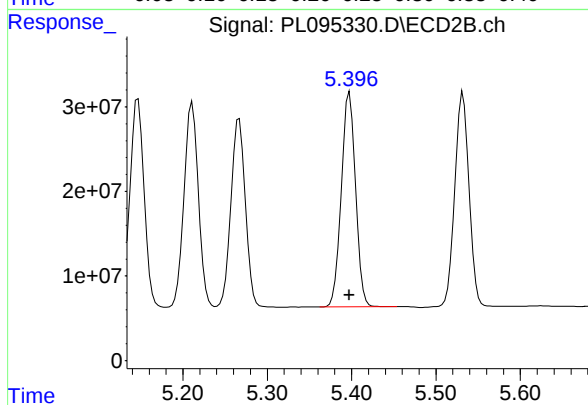
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 289691684
Conc: 73.89 ng/ml



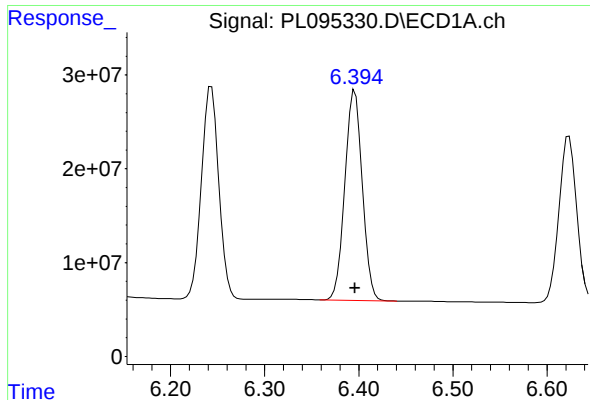
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 289827813
Conc: 75.44 ng/ml



#12 4,4'-DDE

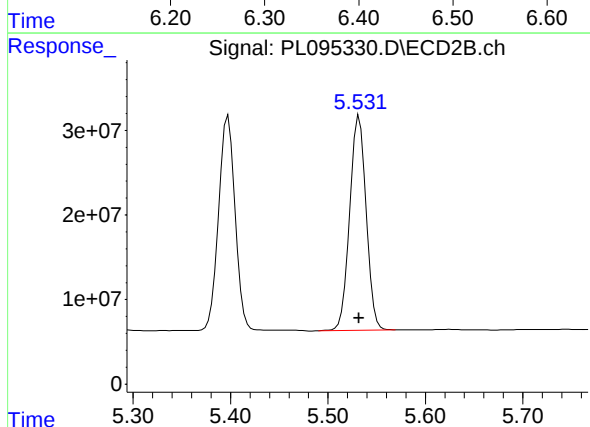
R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 297457686
Conc: 73.81 ng/ml



#13 Dieldrin

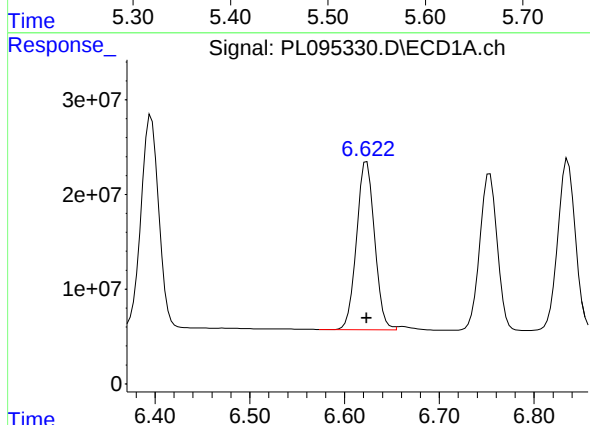
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 288216681
Conc: 75.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



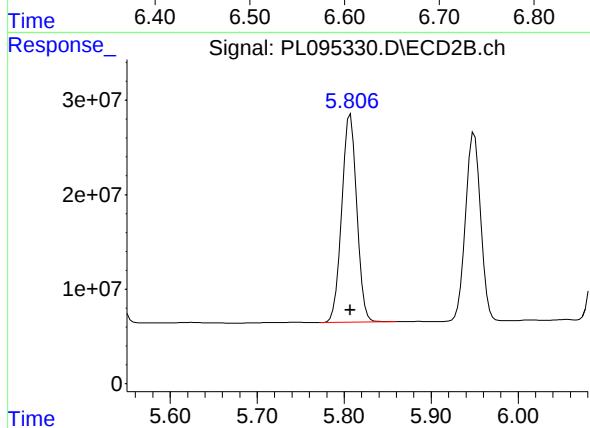
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 297383658
Conc: 74.20 ng/ml



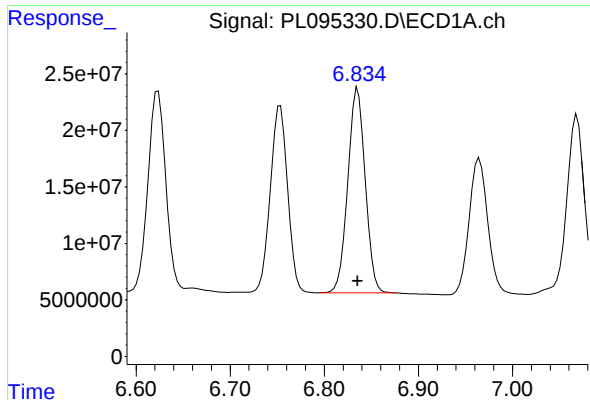
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 235125435
Conc: 75.48 ng/ml



#14 Endrin

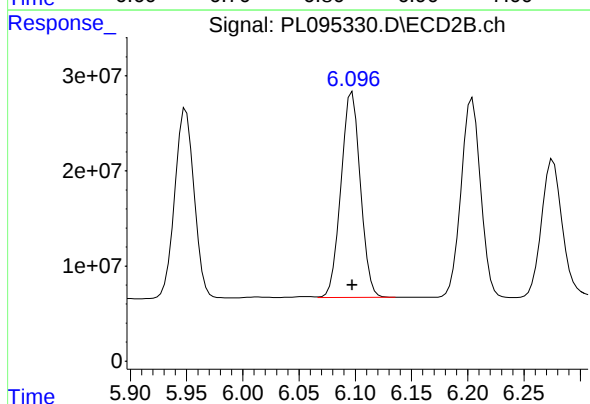
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 265946466
Conc: 73.83 ng/ml



#15 Endosulfan II

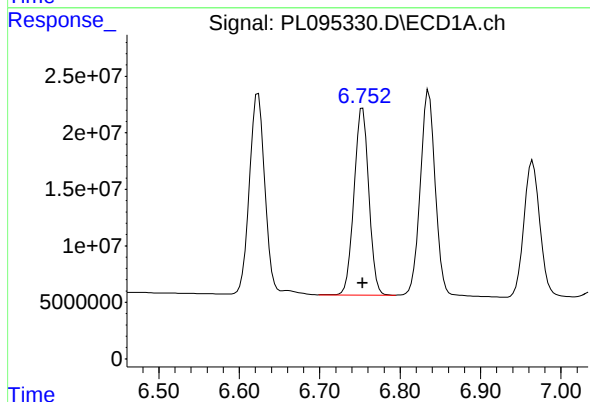
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 232764280
Conc: 75.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



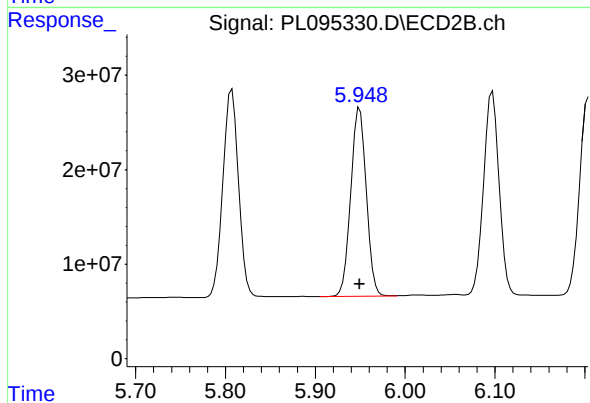
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 260085386
Conc: 73.96 ng/ml



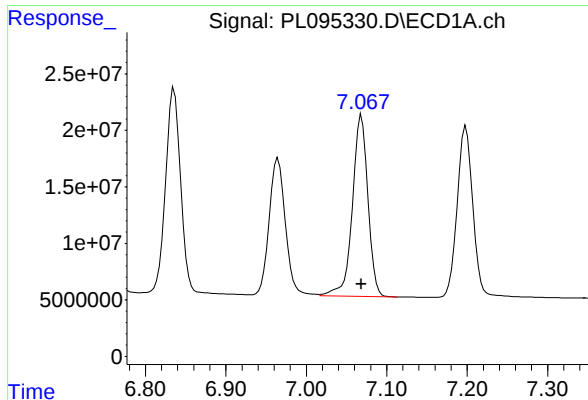
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 211508192
Conc: 75.61 ng/ml



#16 4,4'-DDD

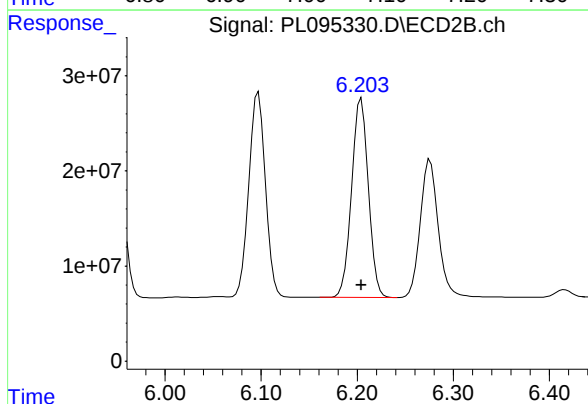
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 239572214
Conc: 73.83 ng/ml



#17 4,4'-DDT

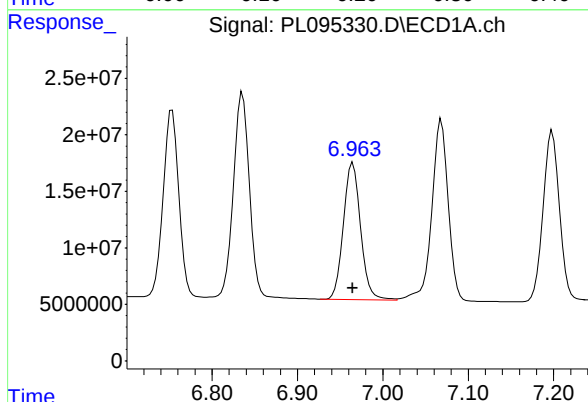
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 214925152
Conc: 75.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



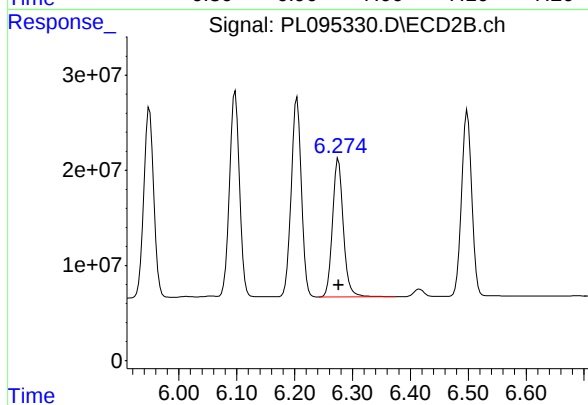
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 253306887
Conc: 73.60 ng/ml



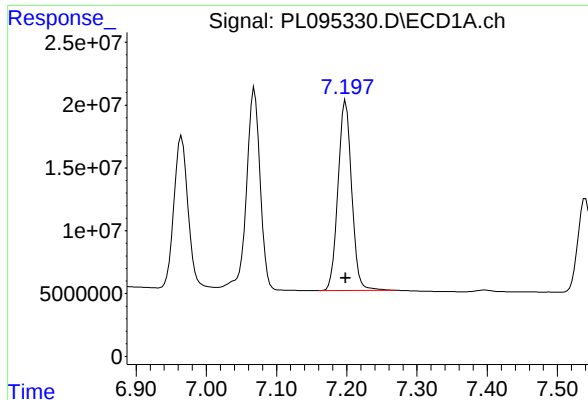
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 169615564
Conc: 75.32 ng/ml



#18 Endrin aldehyde

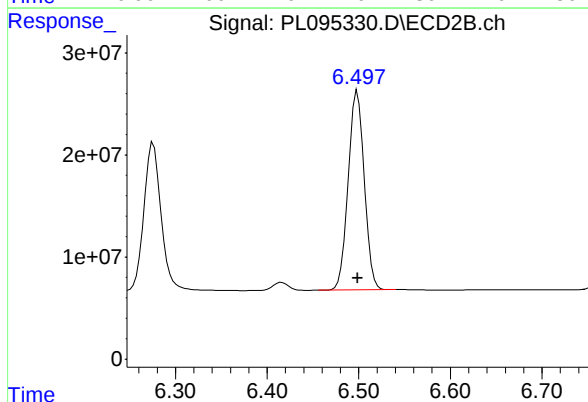
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 189145520
Conc: 73.99 ng/ml



#19 Endosulfan Sulfate

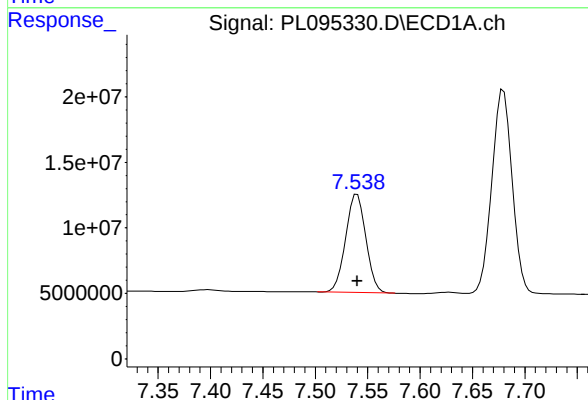
R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 204798645
Conc: 75.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



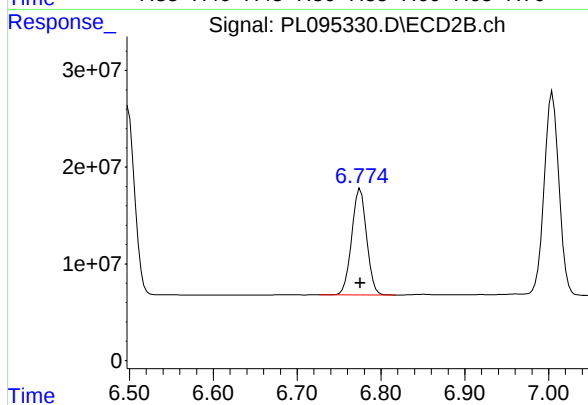
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 238743040
Conc: 73.74 ng/ml



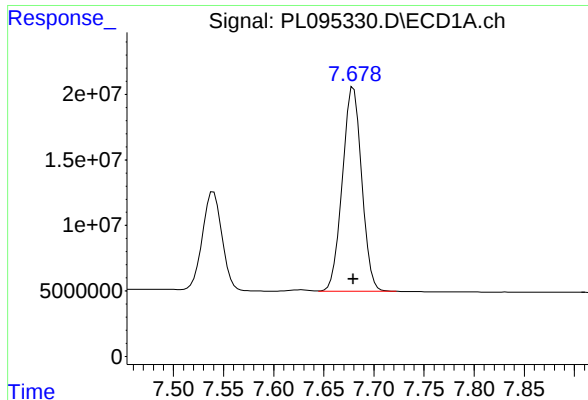
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 101220348
Conc: 75.31 ng/ml



#20 Methoxychlor

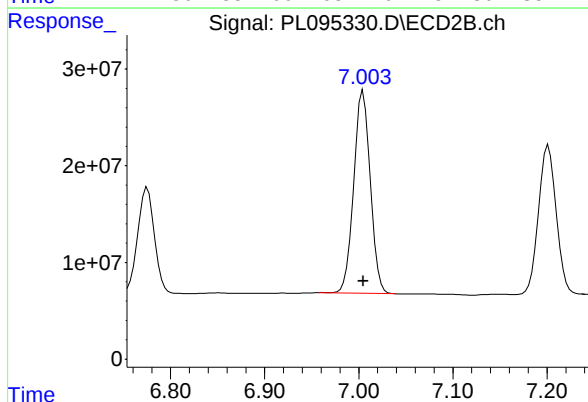
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 135415410
Conc: 73.39 ng/ml



#21 Endrin ketone

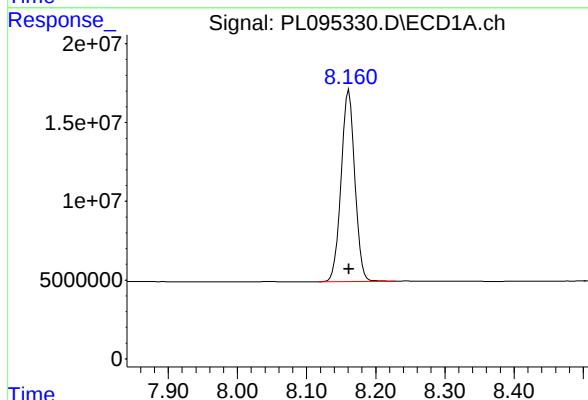
R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 208925085
Conc: 75.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



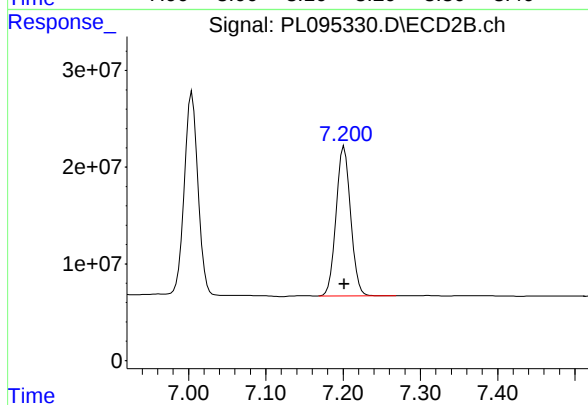
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 256024283
Conc: 73.87 ng/ml



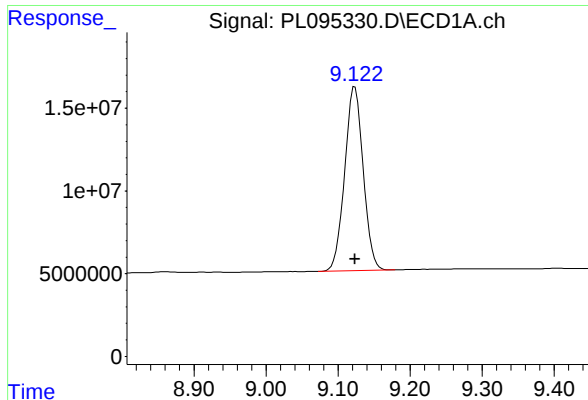
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 167259178
Conc: 75.14 ng/ml



#22 Mirex

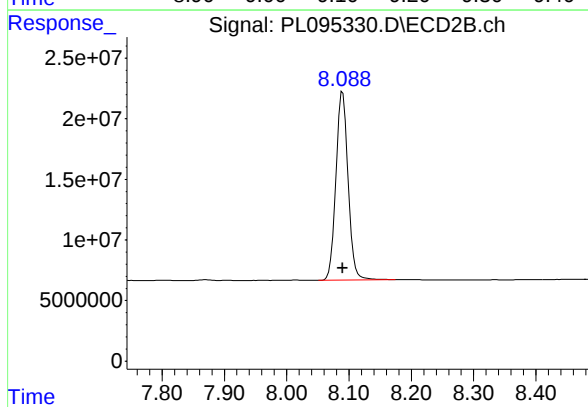
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 202555085
Conc: 73.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 198234966
Conc: 74.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 210388999
Conc: 73.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:59
 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: Apr 23 12:26:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm 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...	3.595	2.906	156.1E6	151.5E6	50.000	50.000
28)	SA Decachlor...	9.122	8.089	132.2E6	141.0E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.046	3.416	238.7E6	214.9E6	50.000	50.000
3)	MA gamma-BHC...	4.377	3.750	227.5E6	211.4E6	50.000	50.000
4)	MA Heptachlor	4.976	4.104	218.9E6	207.7E6	50.000	50.000
5)	MB Aldrin	5.318	4.390	220.1E6	196.6E6	50.000	50.000
6)	B beta-BHC	4.564	4.044	98262466	97170224	50.000	50.000
7)	B delta-BHC	4.812	4.280	221.2E6	210.5E6	50.000	50.000
8)	B Heptachlo...	5.739	4.893	190.1E6	183.5E6	50.000	50.000
9)	A Endosulfan I	6.123	5.267	181.3E6	174.9E6	50.000	50.000
10)	B gamma-Chl...	5.994	5.147	195.3E6	191.0E6	50.000	50.000
11)	B alpha-Chl...	6.075	5.211	194.3E6	188.3E6	50.000	50.000
12)	B 4,4'-DDE	6.243	5.397	186.7E6	193.3E6	50.000	50.000
13)	MA Dieldrin	6.396	5.532	183.9E6	191.1E6	50.000	50.000
14)	MA Endrin	6.623	5.807	151.5E6	173.0E6	50.000	50.000
15)	B Endosulfa...	6.835	6.097	150.1E6	169.2E6	50.000	50.000
16)	A 4,4'-DDD	6.753	5.949	135.4E6	154.5E6	50.000	50.000
17)	MA 4,4'-DDT	7.069	6.204	138.0E6	163.9E6	50.000	50.000
18)	B Endrin al...	6.964	6.275	110.9E6	123.6E6	50.000	50.000
19)	B Endosulfa...	7.198	6.498	133.4E6	156.9E6	50.000	50.000
20)	A Methoxychlor	7.540	6.775	66506986	90587055	50.000	50.000
21)	B Endrin ke...	7.679	7.004	136.0E6	167.7E6	50.000	50.000
22)	Mirex	8.161	7.202	111.7E6	135.8E6	50.000	50.000

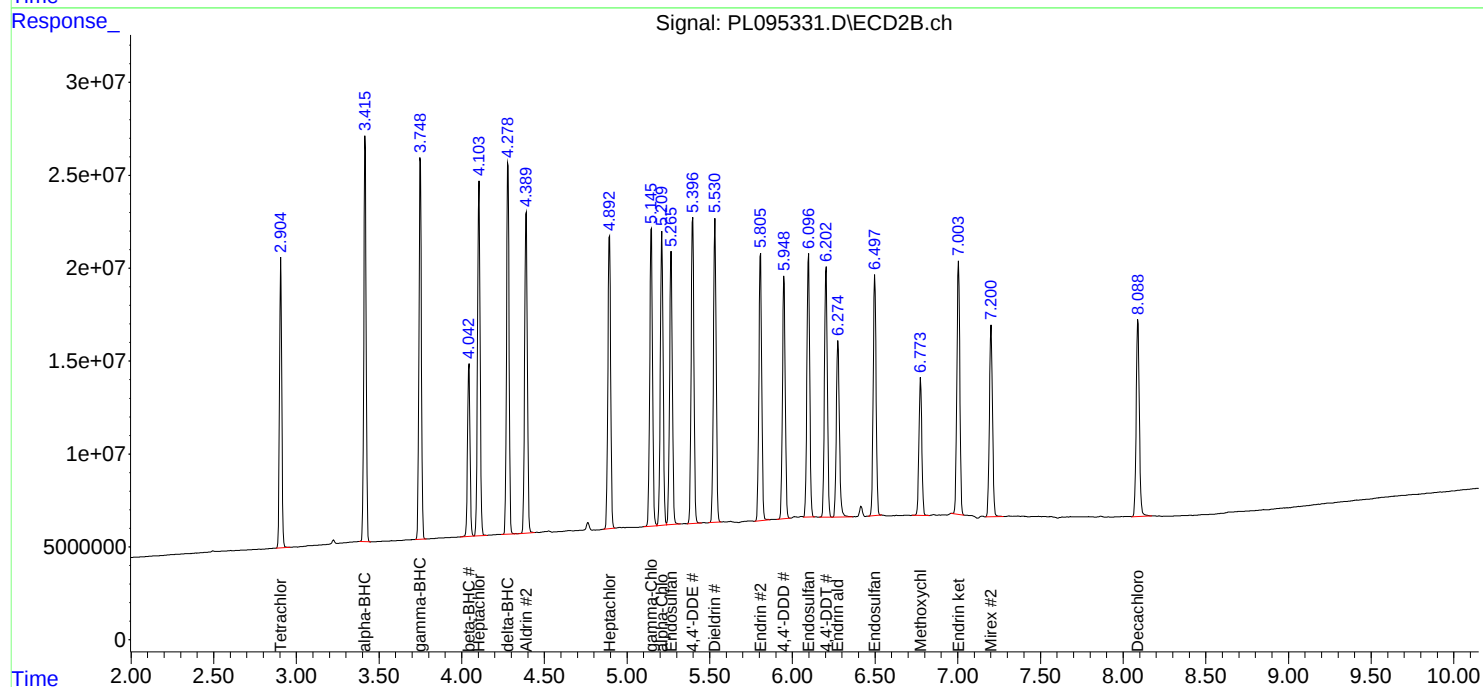
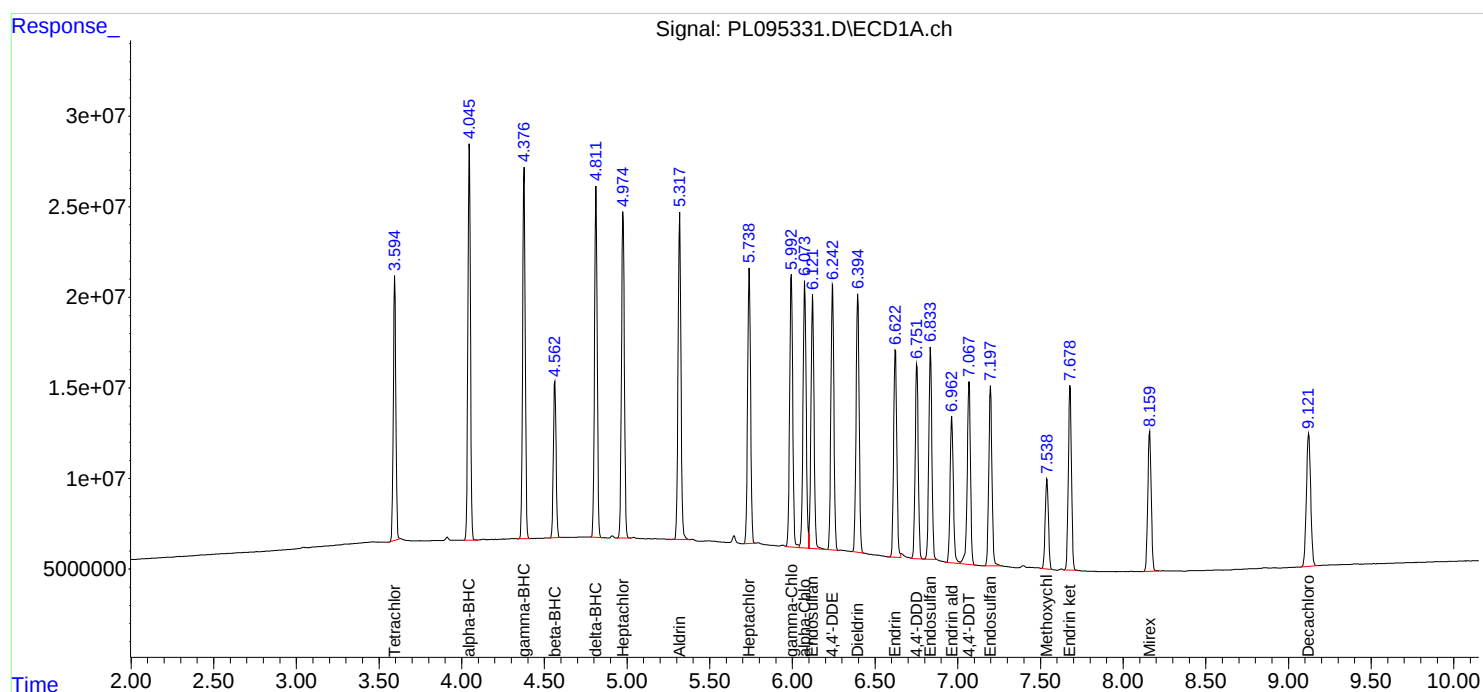
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

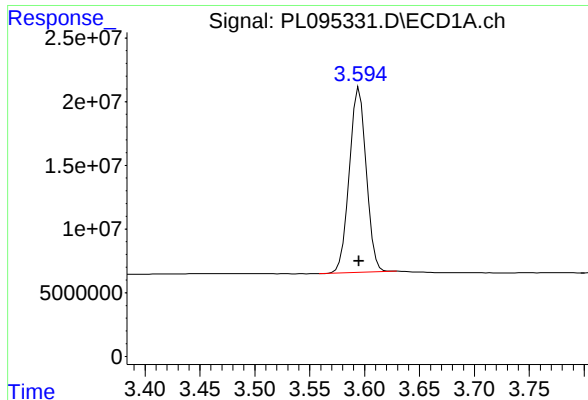
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

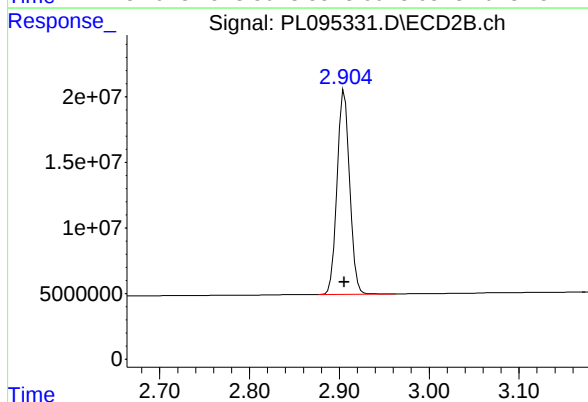




#1 Tetrachloro-m-xylene

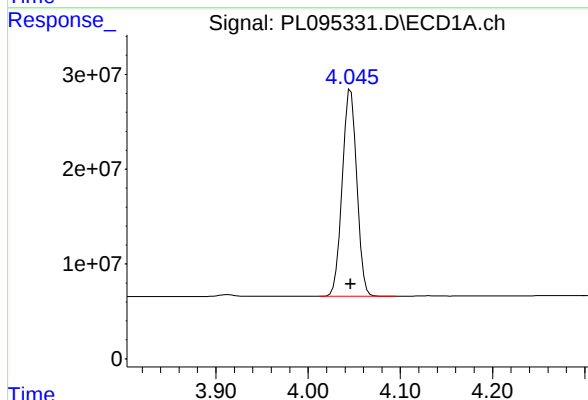
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 156057142
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



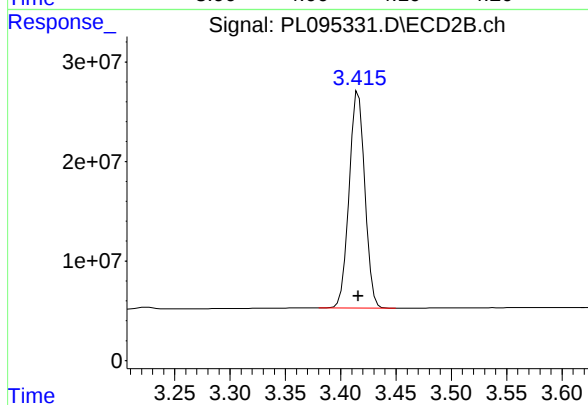
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 151545169
Conc: 50.00 ng/ml



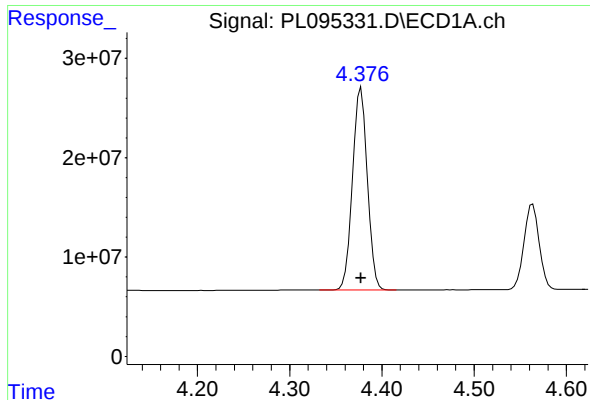
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 238716345
Conc: 50.00 ng/ml



#2 alpha-BHC

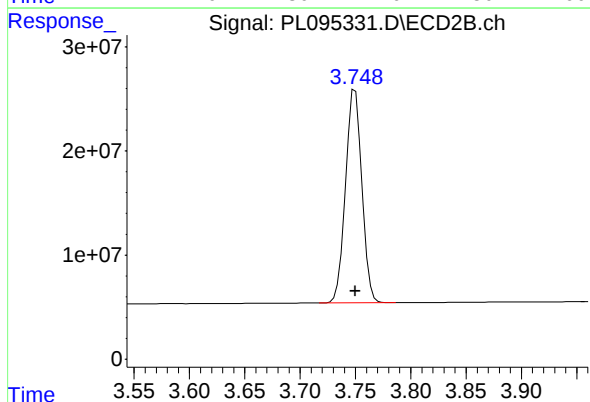
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 214862057
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

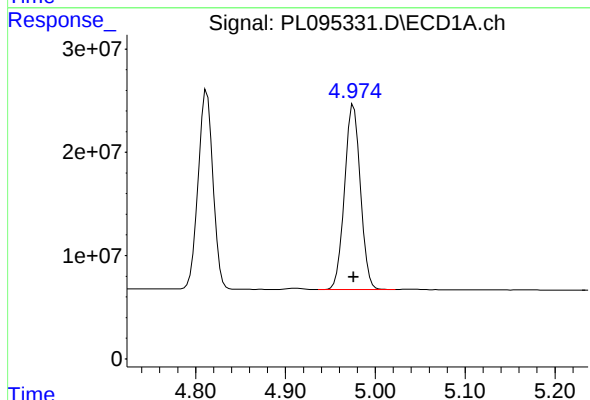
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 227488019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



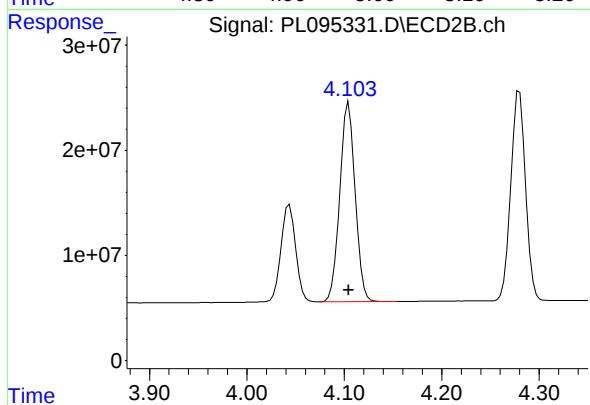
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 211420886
Conc: 50.00 ng/ml



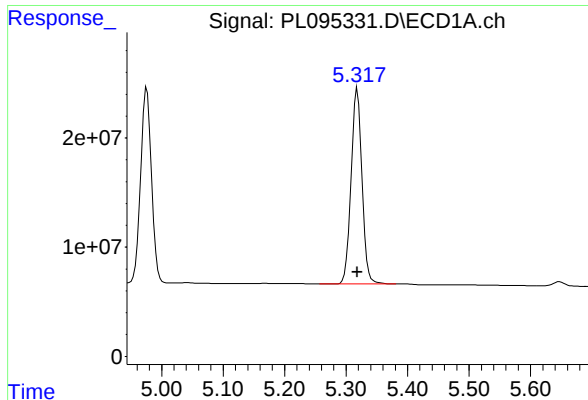
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 218889461
Conc: 50.00 ng/ml



#4 Heptachlor

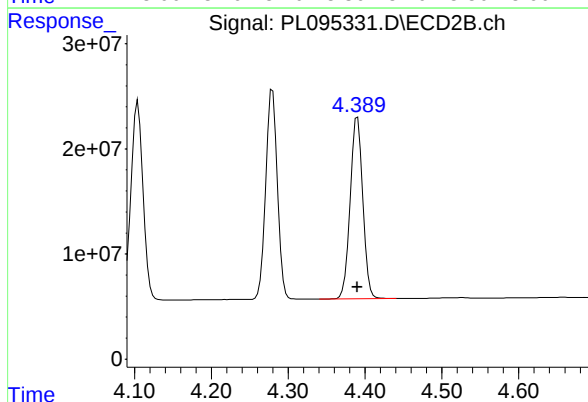
R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 207720997
Conc: 50.00 ng/ml



#5 Aldrin

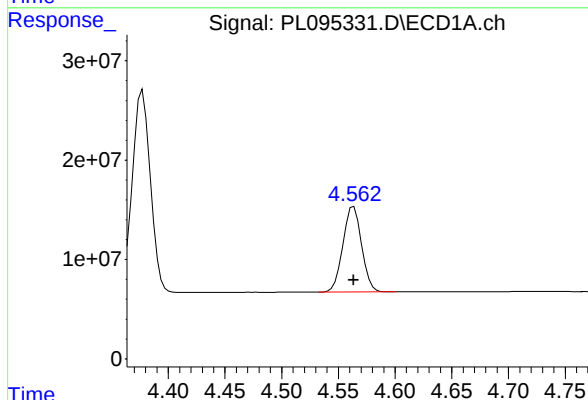
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 220066140
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



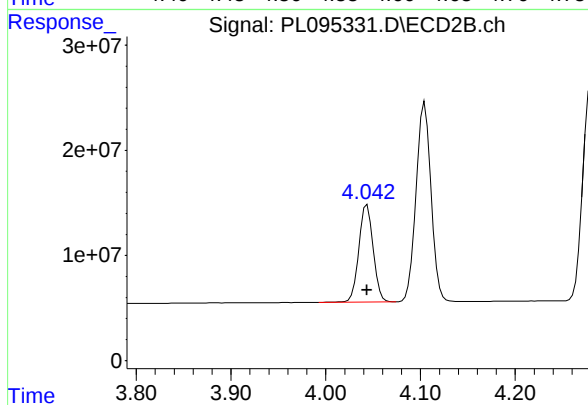
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 196600026
Conc: 50.00 ng/ml



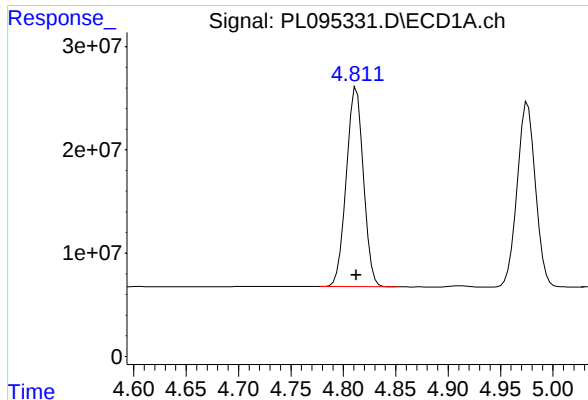
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 98262466
Conc: 50.00 ng/ml



#6 beta-BHC

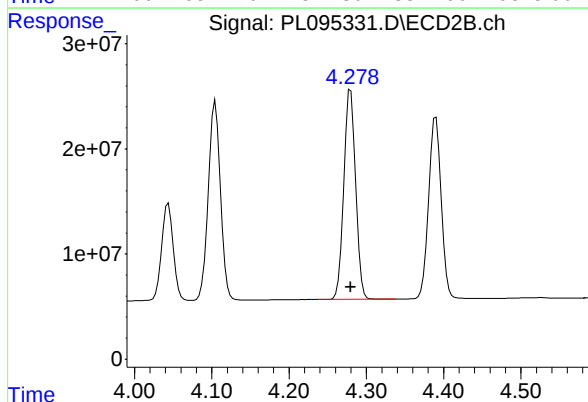
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 97170224
Conc: 50.00 ng/ml



#7 delta-BHC

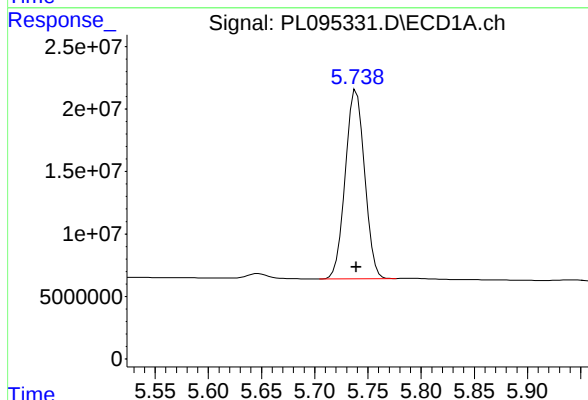
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 221209359
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



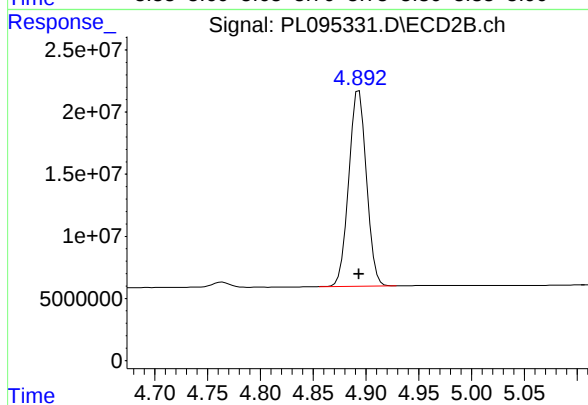
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 210531915
Conc: 50.00 ng/ml



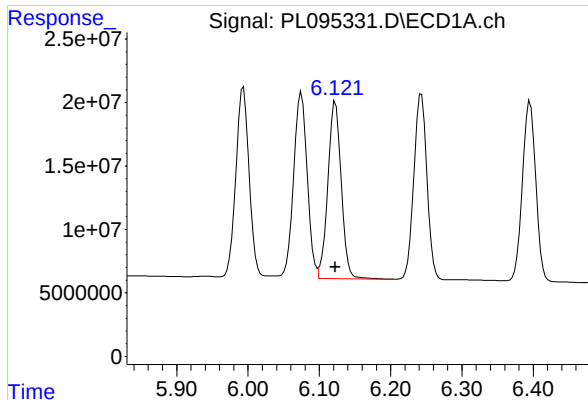
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 190059310
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

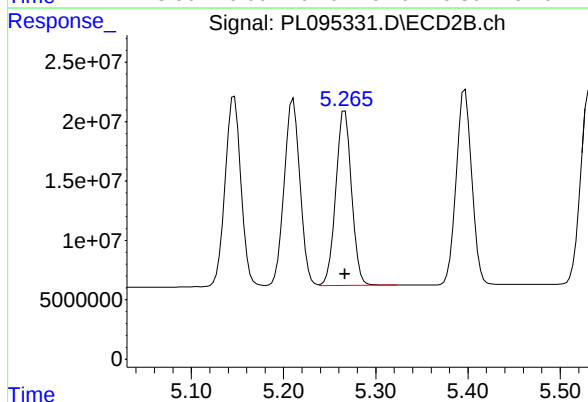
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 183471014
Conc: 50.00 ng/ml



#9 Endosulfan I

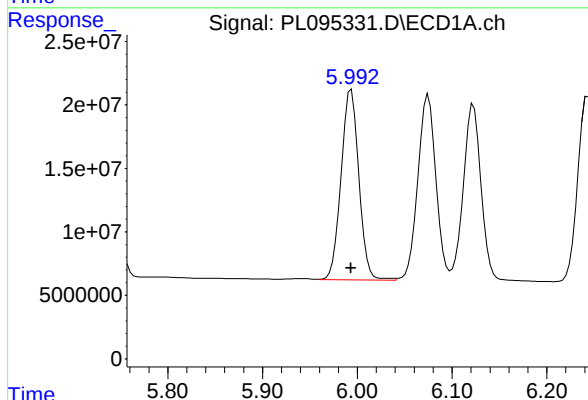
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 181331514
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



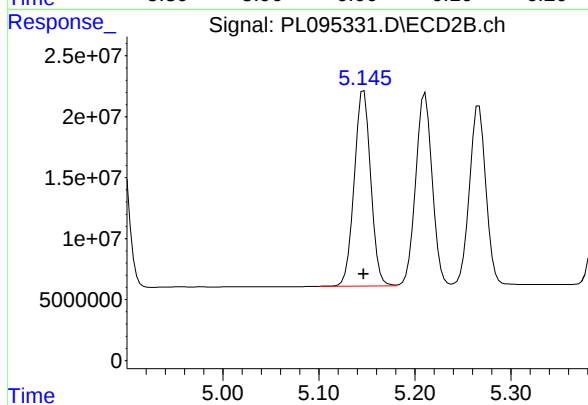
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 174855063
Conc: 50.00 ng/ml



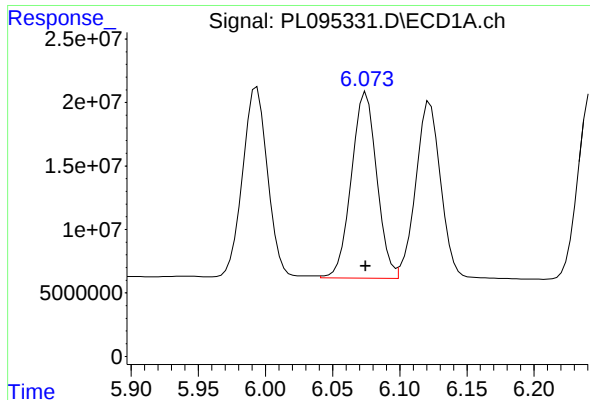
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 195277390
Conc: 50.00 ng/ml



#10 gamma-Chlordane

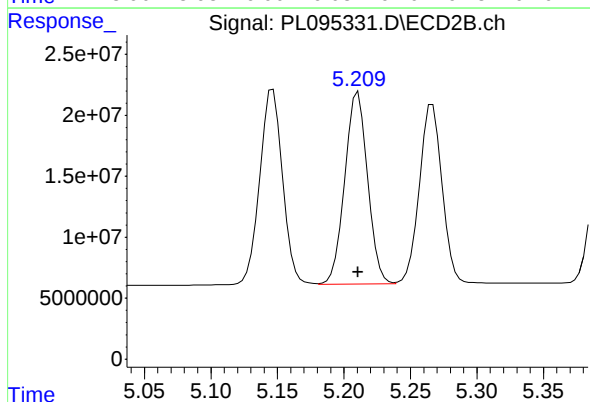
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 191000971
Conc: 50.00 ng/ml



#11 alpha-Chlordane

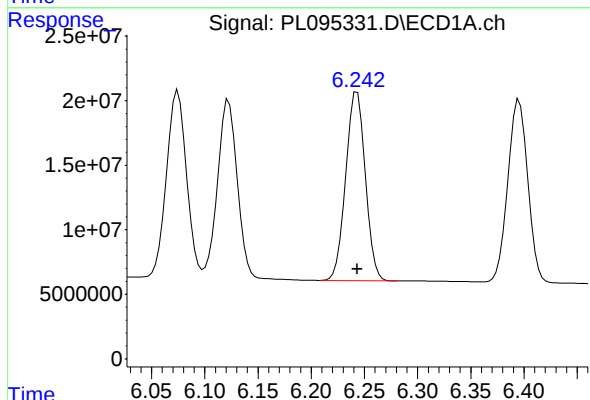
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 194300314
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



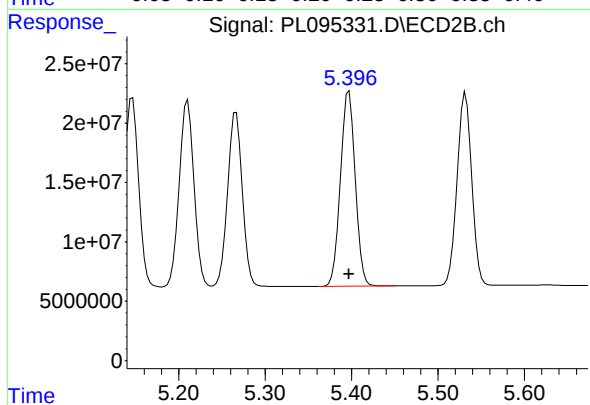
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 188256243
Conc: 50.00 ng/ml



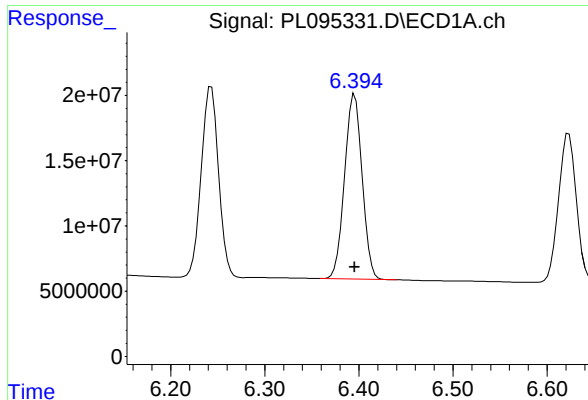
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 186685923
Conc: 50.00 ng/ml



#12 4,4'-DDE

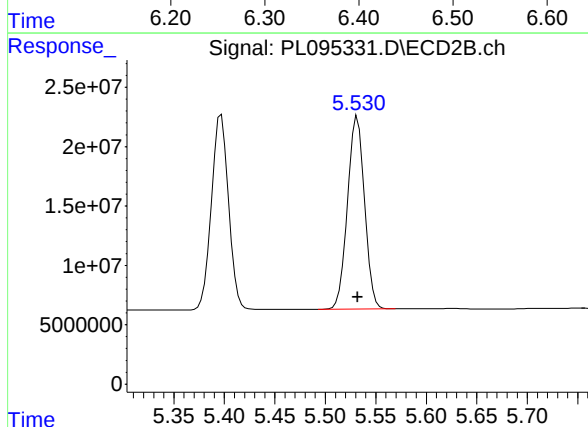
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 193266652
Conc: 50.00 ng/ml



#13 Dieldrin

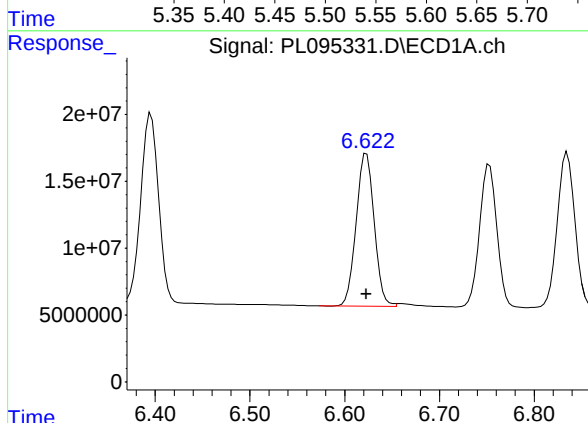
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 183933353
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



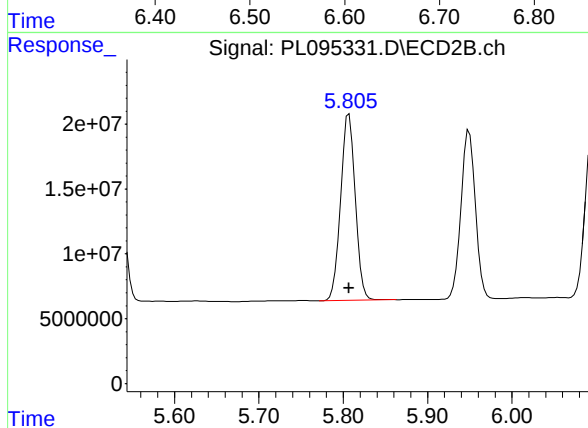
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 191070370
Conc: 50.00 ng/ml



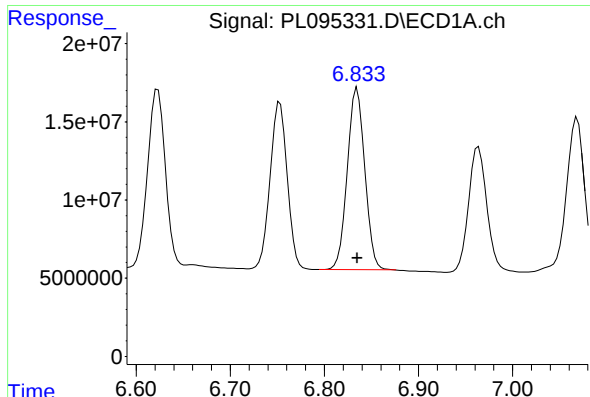
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 151468547
Conc: 50.00 ng/ml



#14 Endrin

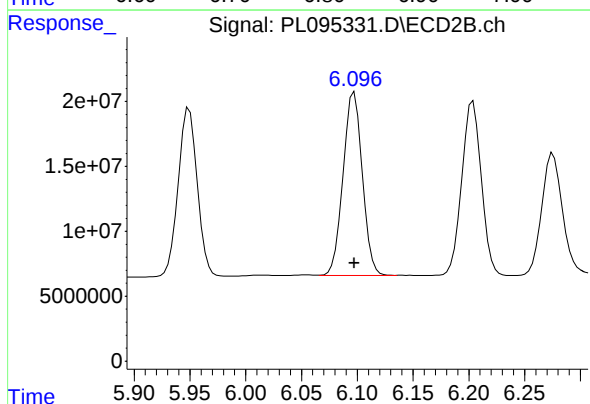
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 173012074
Conc: 50.00 ng/ml



#15 Endosulfan II

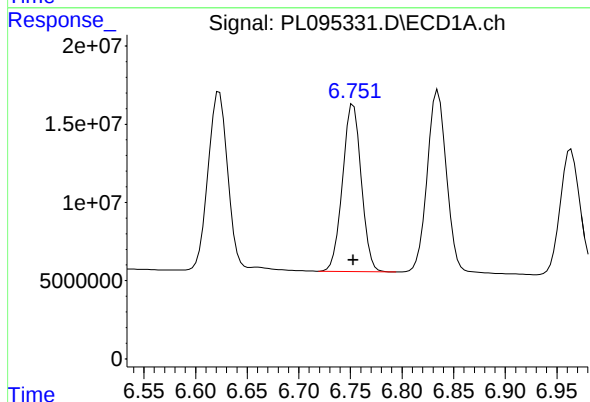
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 150136467
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



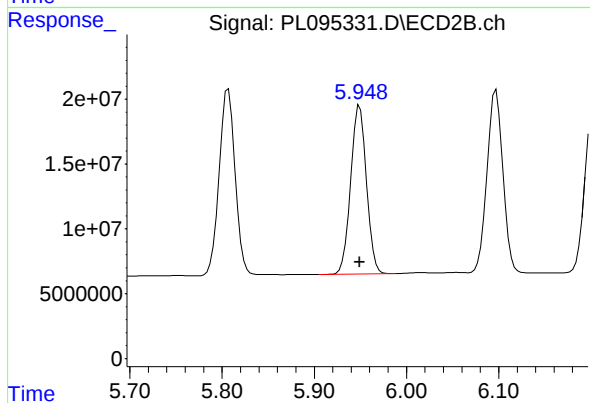
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 169194430
Conc: 50.00 ng/ml



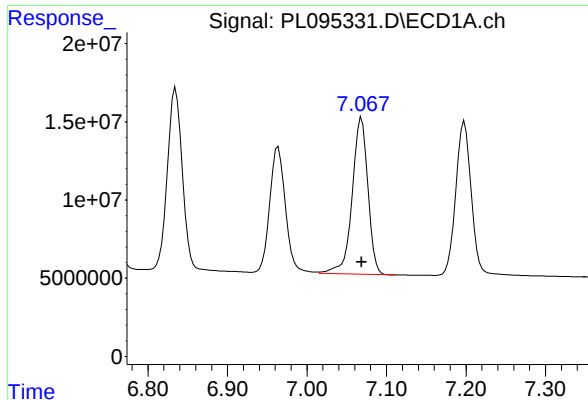
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 135370128
Conc: 50.00 ng/ml



#16 4,4'-DDD

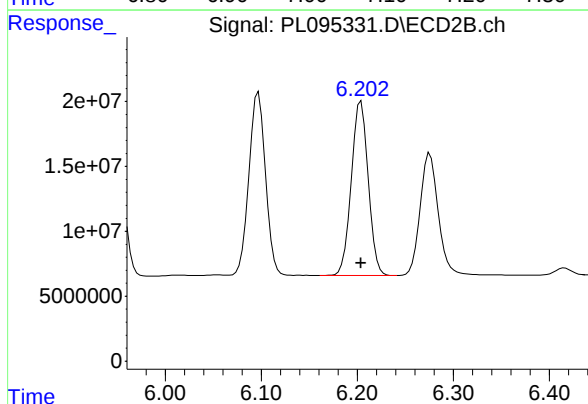
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 154470926
Conc: 50.00 ng/ml



#17 4,4'-DDT

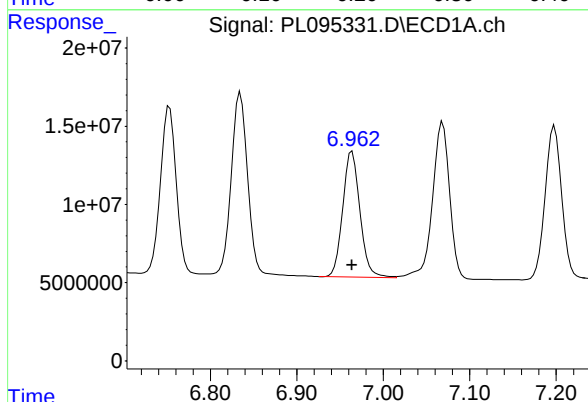
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 138014497
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



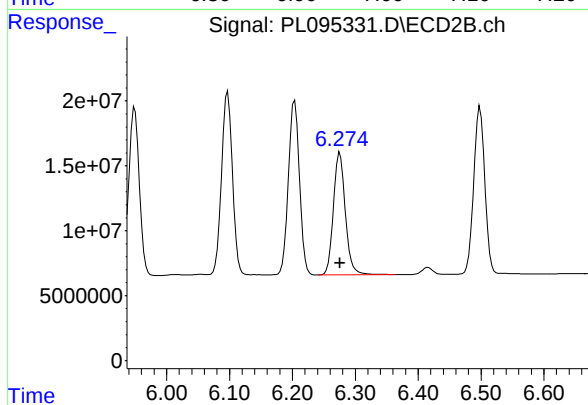
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 163865649
Conc: 50.00 ng/ml



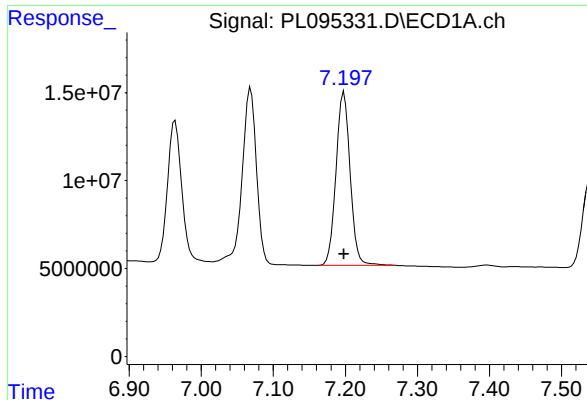
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 110876762
Conc: 50.00 ng/ml



#18 Endrin aldehyde

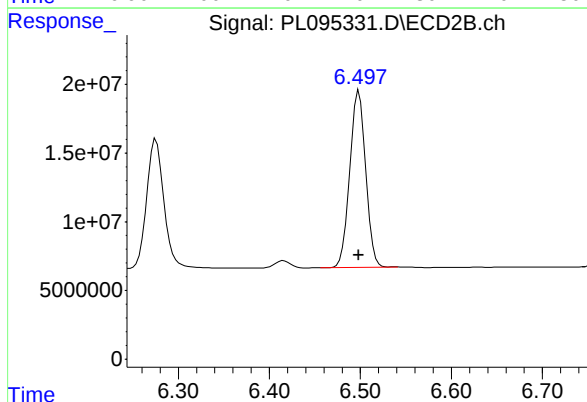
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 123643969
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

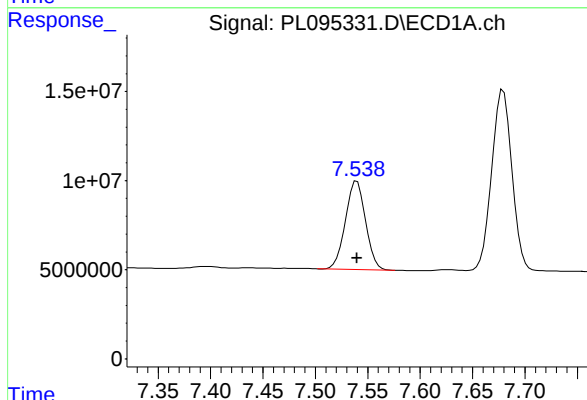
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 133416138
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



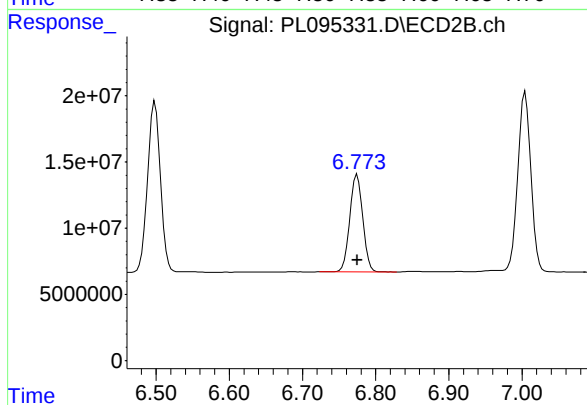
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 156854144
Conc: 50.00 ng/ml



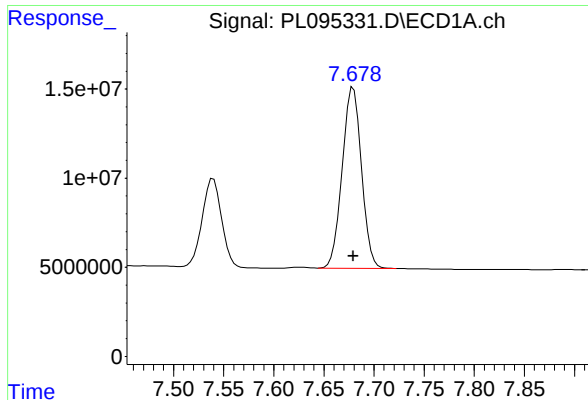
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 66506986
Conc: 50.00 ng/ml



#20 Methoxychlor

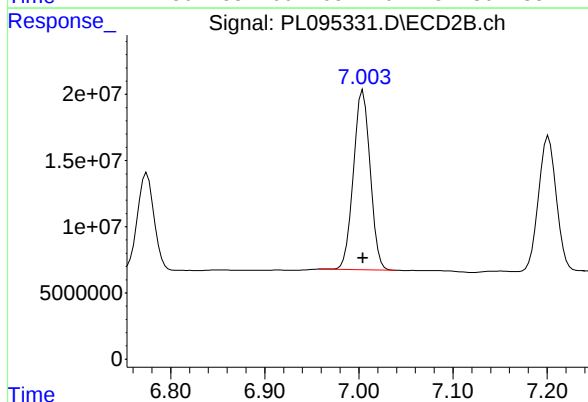
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 90587055
Conc: 50.00 ng/ml



#21 Endrin ketone

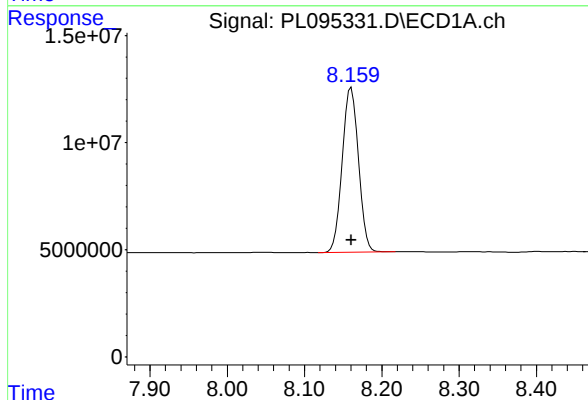
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 135960297
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



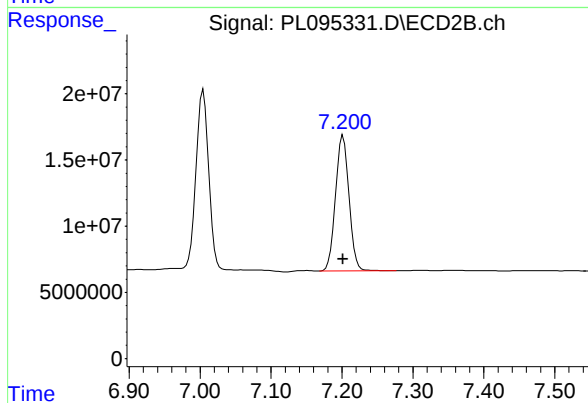
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 167739735
Conc: 50.00 ng/ml



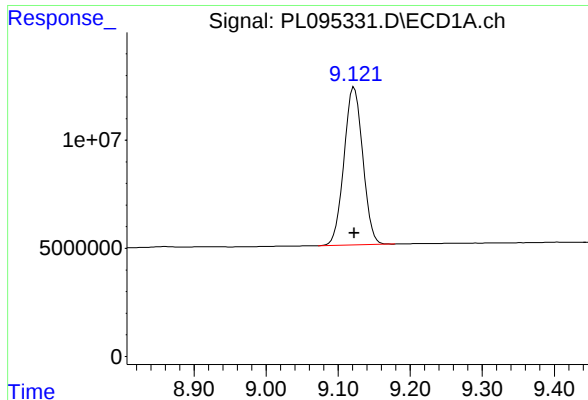
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 111665092
Conc: 50.00 ng/ml



#22 Mirex

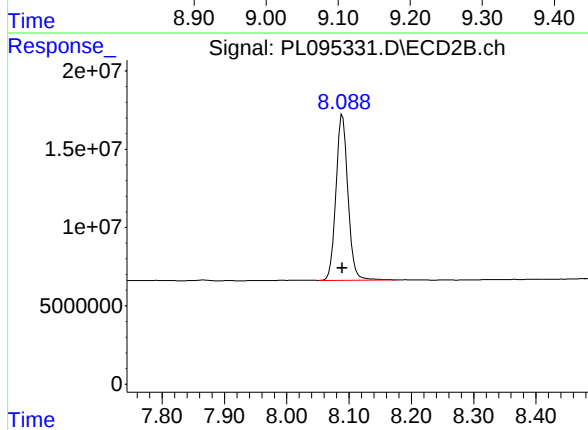
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 135843022
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 132162192
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 140963039
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:12
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:33:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm 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...	3.595	2.906	82279109	79670448	25.556	25.405
28) SA Decachlor...	9.124	8.090	70535847	76004301	26.234	26.034
Target Compounds						
2) A alpha-BHC	4.047	3.416	121.3E6	108.7E6	24.454	24.298
3) MA gamma-BHC...	4.378	3.750	116.7E6	108.7E6	24.751	24.663
4) MA Heptachlor	4.976	4.105	114.4E6	109.1E6	25.344	25.223
5) MB Aldrin	5.318	4.390	113.5E6	102.3E6	24.986	24.836
6) B beta-BHC	4.564	4.044	52142080	53091040	25.782	26.127
7) B delta-BHC	4.812	4.280	114.2E6	107.7E6	24.868	24.518
8) B Heptachlo...	5.740	4.894	100.8E6	97198123	25.588	25.436
9) A Endosulfan I	6.123	5.267	94665753	92648144	25.369	25.433
10) B gamma-Chl...	5.994	5.147	102.0E6	101.3E6	25.228	25.273
11) B alpha-Chl...	6.075	5.211	102.1E6	100.0E6	25.401	25.384
12) B 4,4'-DDE	6.243	5.398	98088772	102.4E6	25.397	25.298
13) MA Dieldrin	6.396	5.532	96281168	101.2E6	25.205	25.192
14) MA Endrin	6.624	5.807	79734368	91669531	25.445	25.334
15) B Endosulfa...	6.836	6.097	80317081	90454520	25.810	25.538
16) A 4,4'-DDD	6.753	5.950	70509869	81698054	25.153	25.132
17) MA 4,4'-DDT	7.068	6.204	71529390	86031617	25.119	24.998
18) B Endrin al...	6.965	6.276	59366165	66150972	26.008	25.651
19) B Endosulfa...	7.198	6.499	71073932	83744169	25.875	25.644
20) A Methoxychlor	7.540	6.775	35648257	48736354	26.126	26.046
21) B Endrin ke...	7.679	7.005	72029844	88886335	25.738	25.482
22) Mirex	8.161	7.200	60846386	74131947	26.712	26.367m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

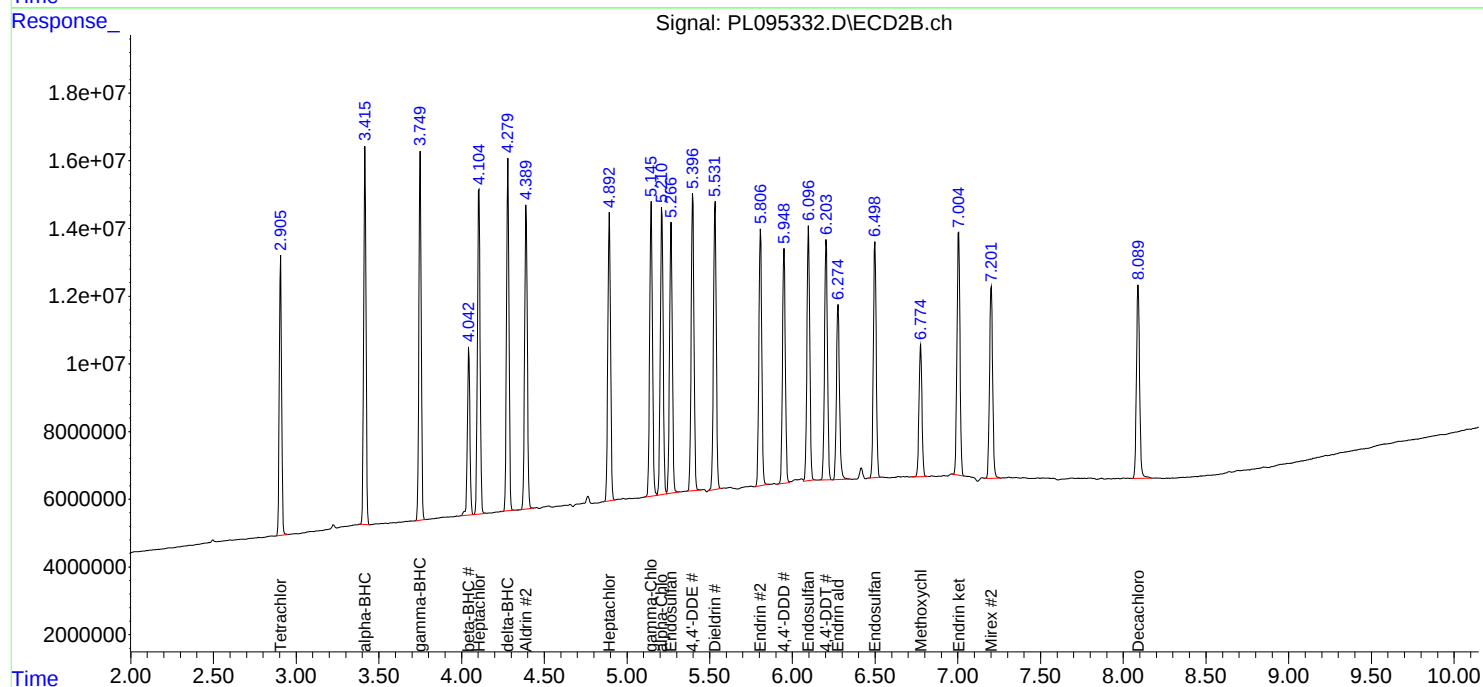
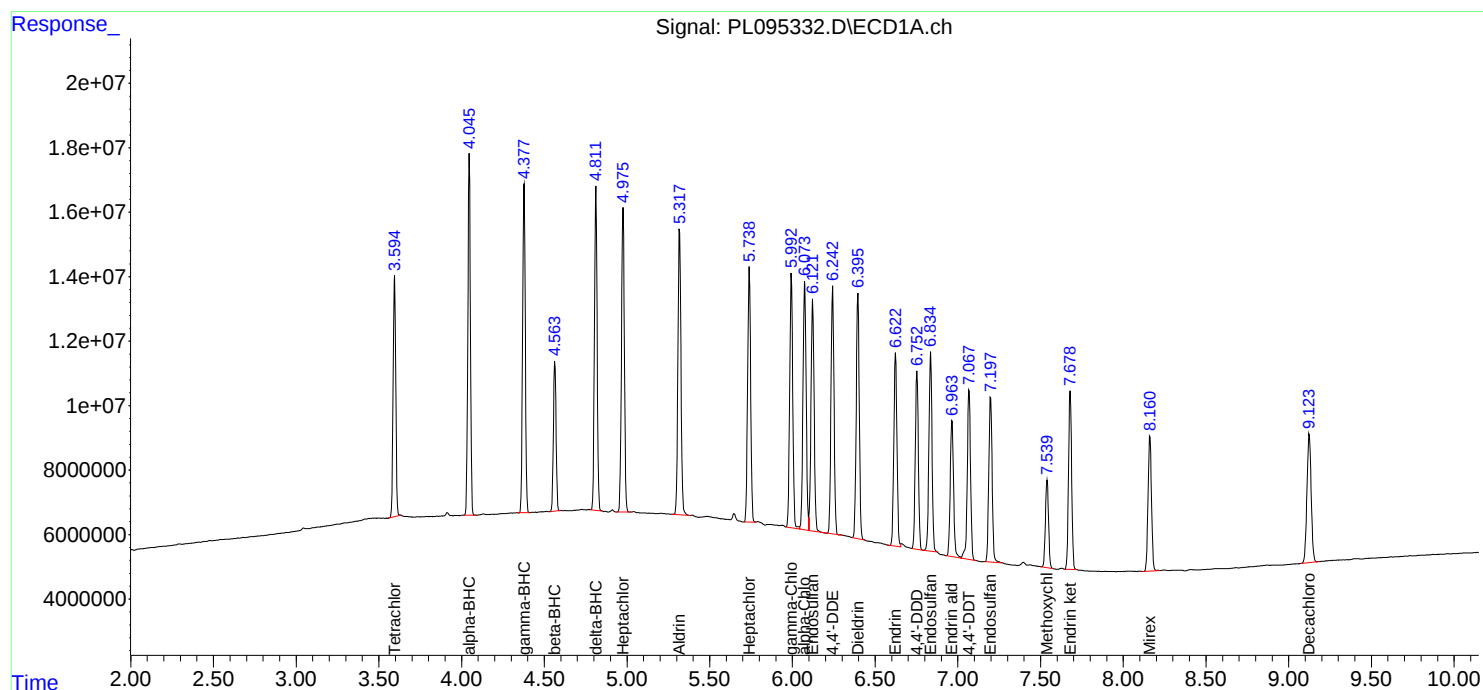
APPROVED

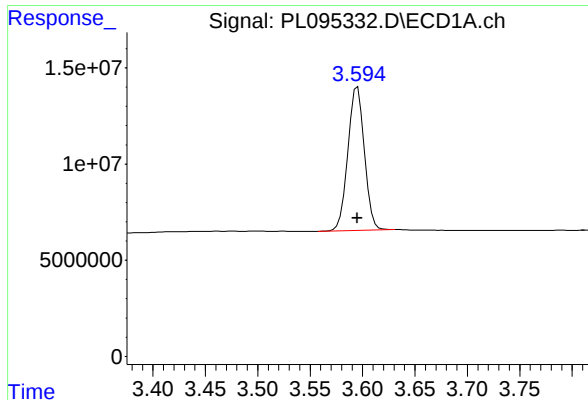
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





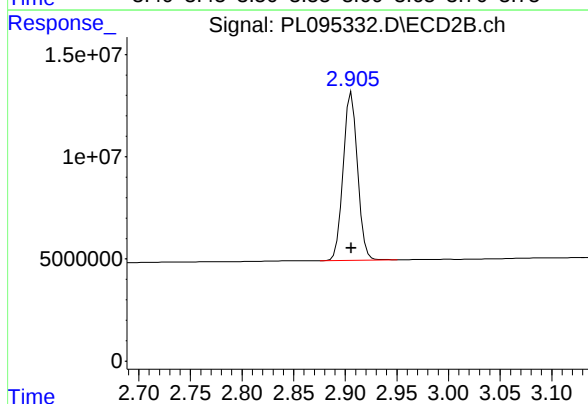
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 82279109
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

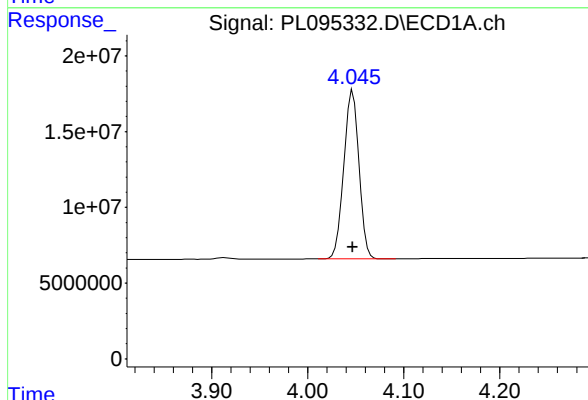
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



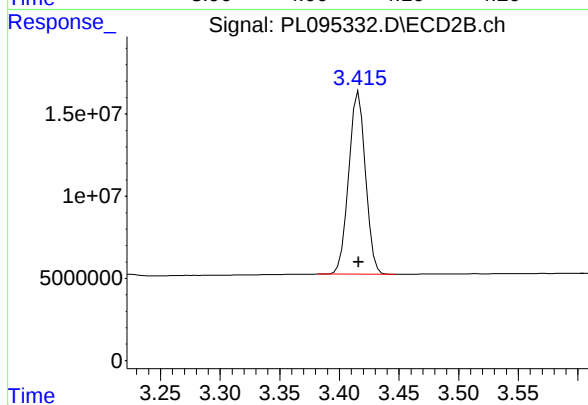
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 79670448
Conc: 25.41 ng/ml



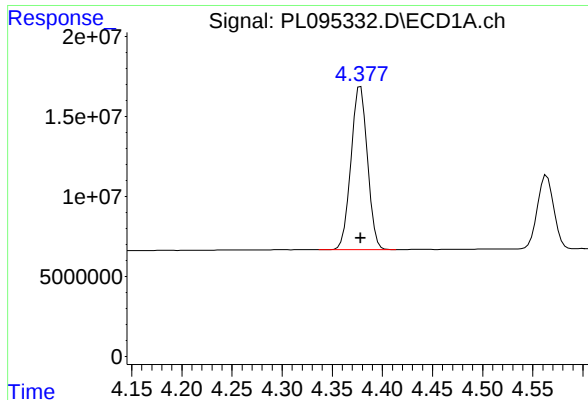
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 121308952
Conc: 24.45 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 108731559
Conc: 24.30 ng/ml



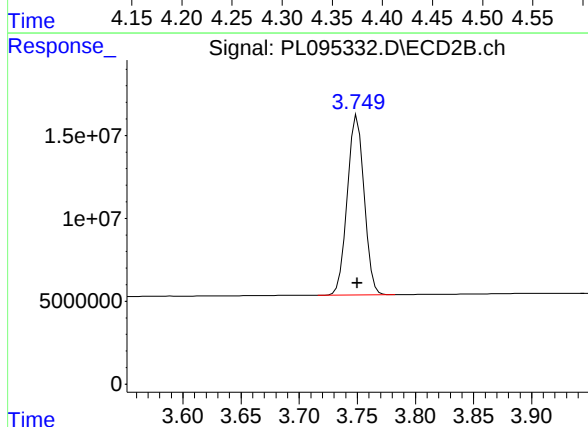
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 116701967
Conc: 24.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

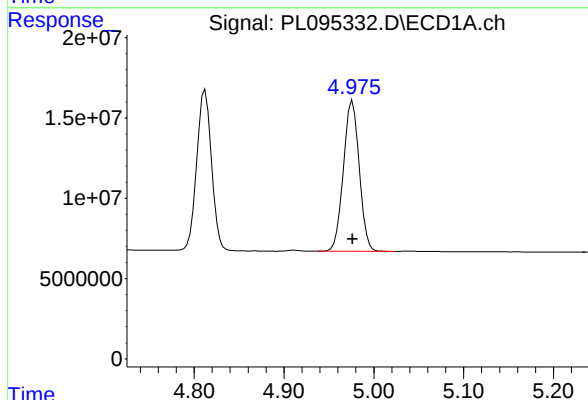
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



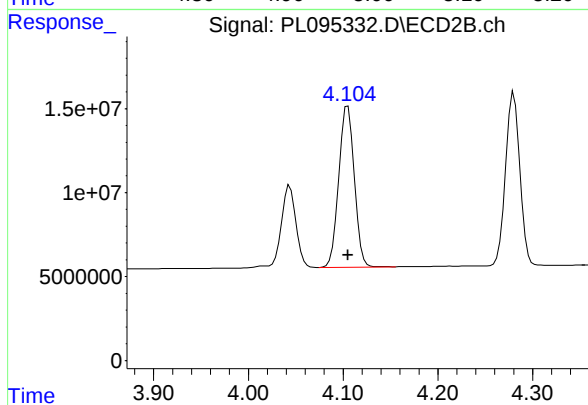
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 108658055
Conc: 24.66 ng/ml



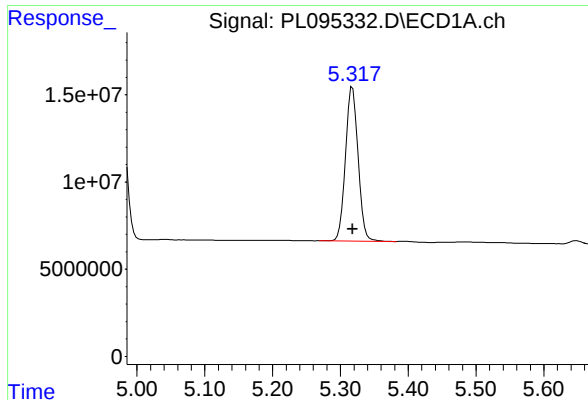
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 114394361
Conc: 25.34 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 109078662
Conc: 25.22 ng/ml



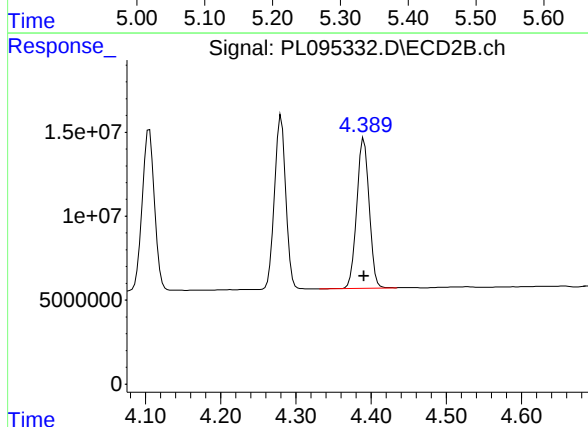
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 113544428
Conc: 24.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

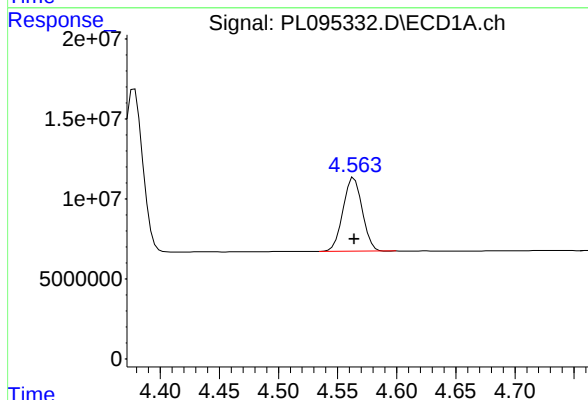
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



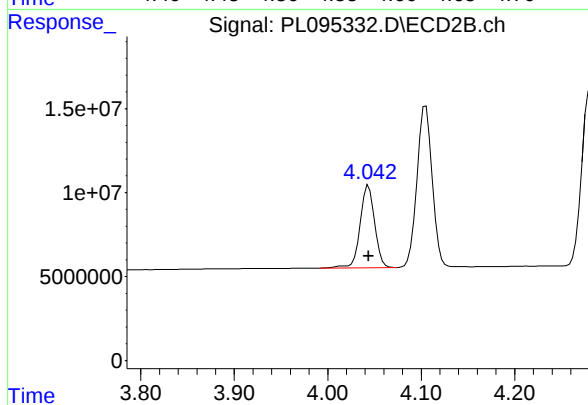
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 102258177
Conc: 24.84 ng/ml



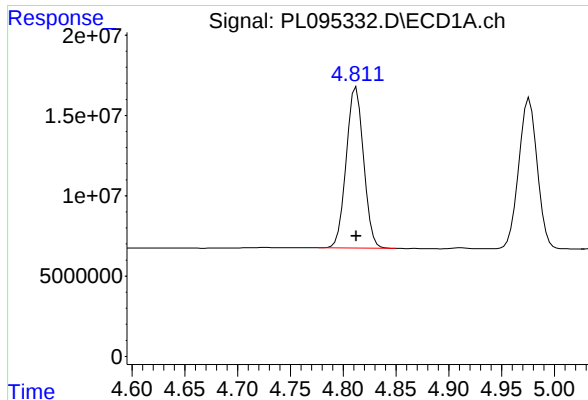
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 52142080
Conc: 25.78 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 53091040
Conc: 26.13 ng/ml



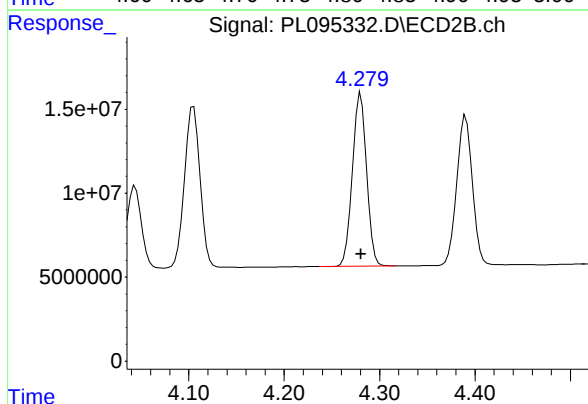
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 114152832
Conc: 24.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

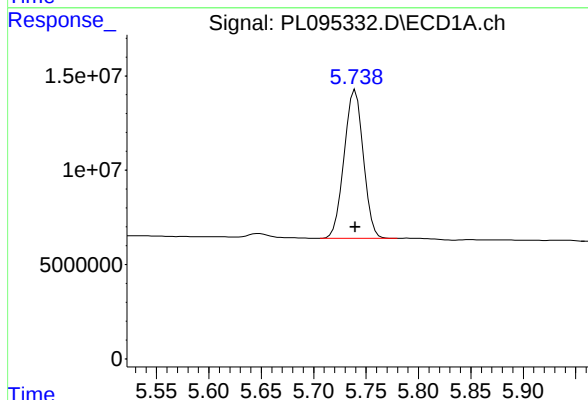
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



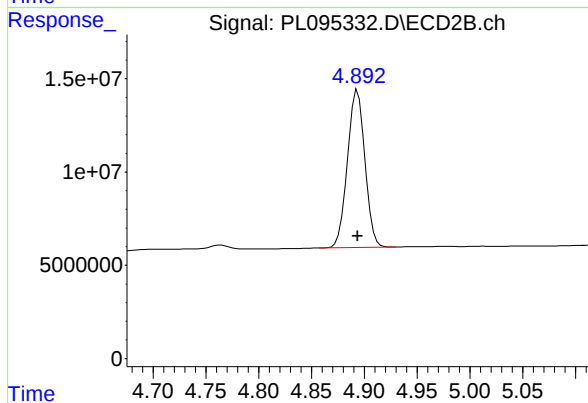
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 107702234
Conc: 24.52 ng/ml



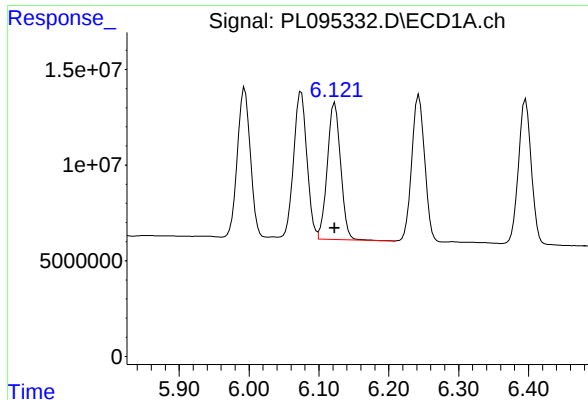
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 100790865
Conc: 25.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 97198123
Conc: 25.44 ng/ml



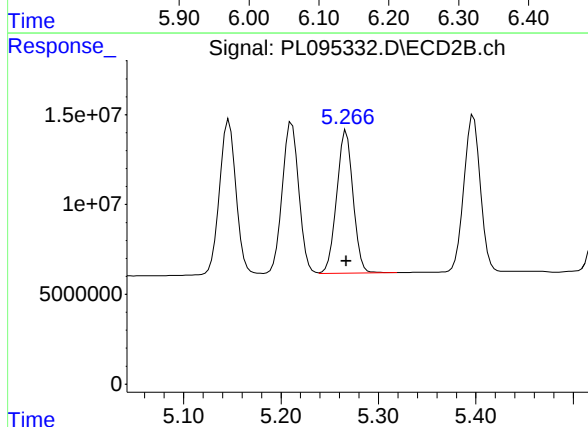
#9 Endosulfan I

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 94665753
Conc: 25.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

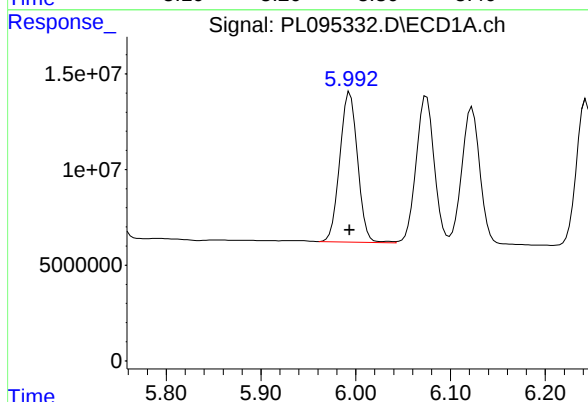
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



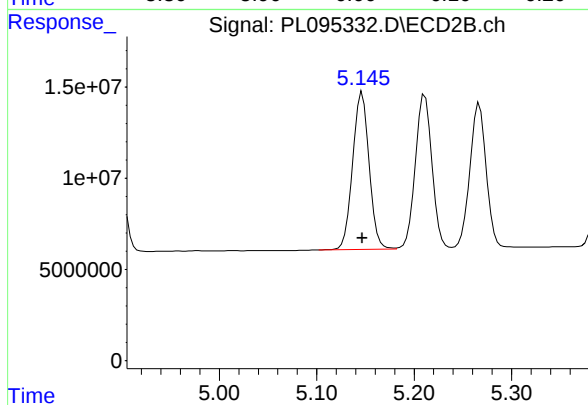
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 92648144
Conc: 25.43 ng/ml



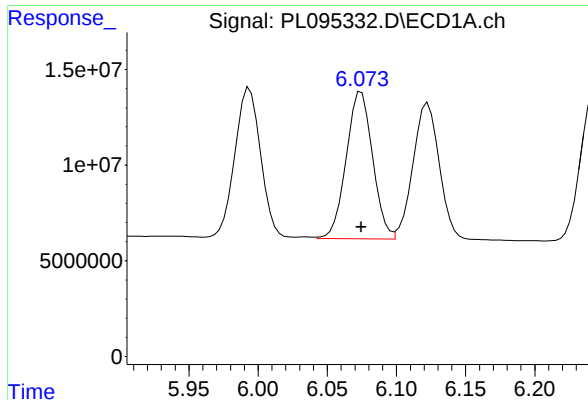
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 101968760
Conc: 25.23 ng/ml



#10 gamma-Chlordane

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 101250223
Conc: 25.27 ng/ml



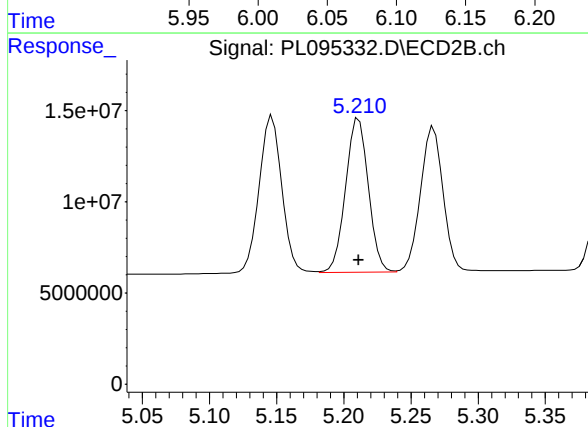
#11 alpha-Chlordane

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 102090791
Conc: 25.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

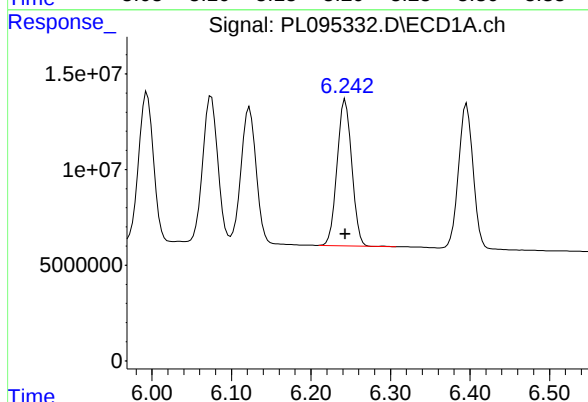
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



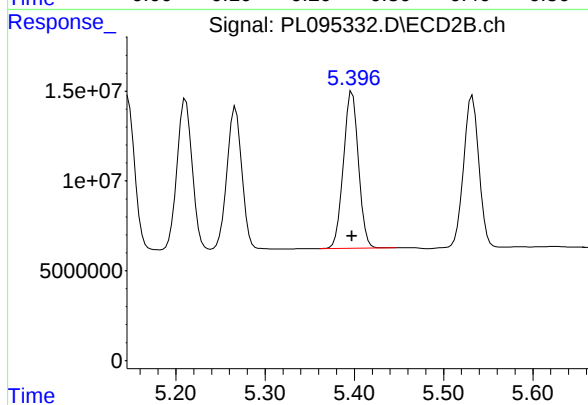
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 100026867
Conc: 25.38 ng/ml



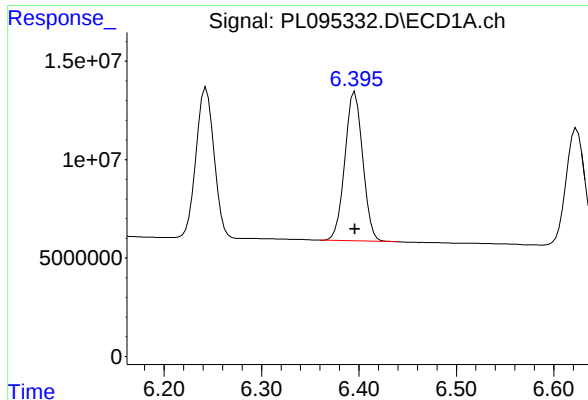
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 98088772
Conc: 25.40 ng/ml



#12 4,4'-DDE

R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 102363973
Conc: 25.30 ng/ml



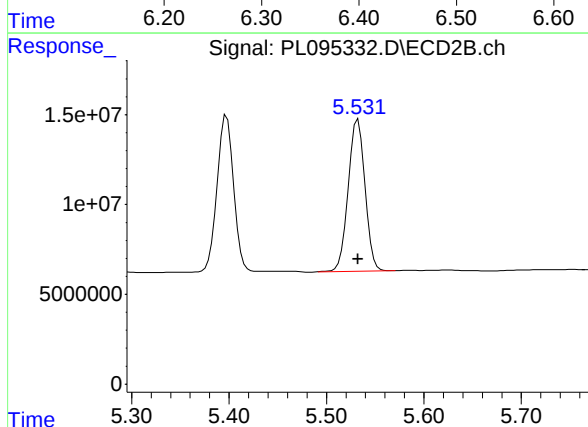
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 96281168
Conc: 25.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

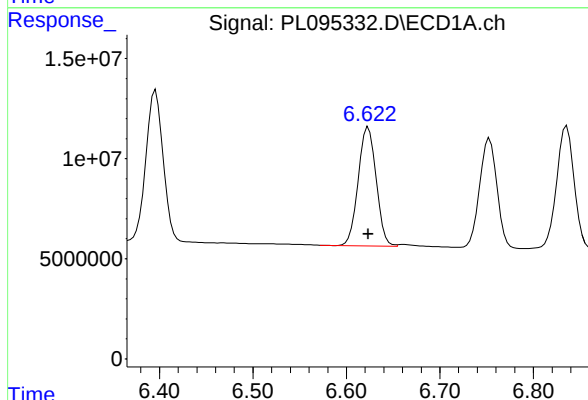
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



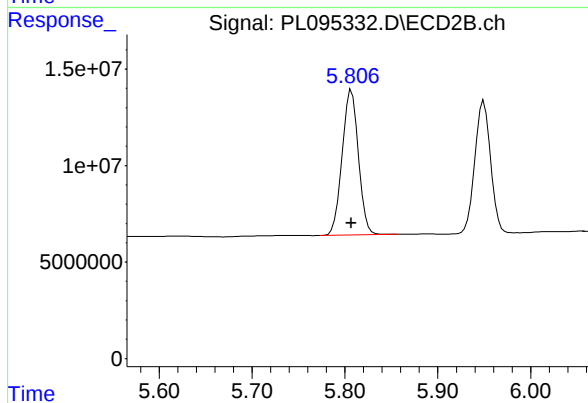
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 101218085
Conc: 25.19 ng/ml



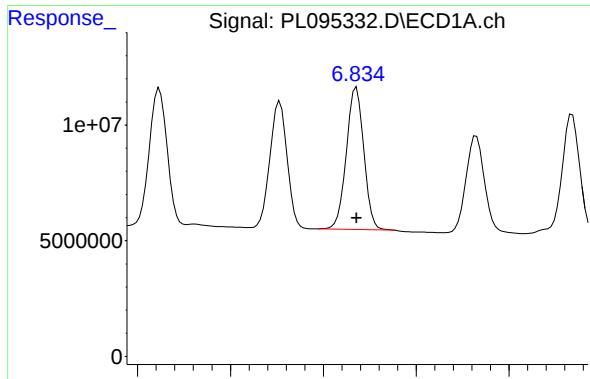
#14 Endrin

R.T.: 6.624 min
Delta R.T.: 0.000 min
Response: 79734368
Conc: 25.45 ng/ml



#14 Endrin

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 91669531
Conc: 25.33 ng/ml



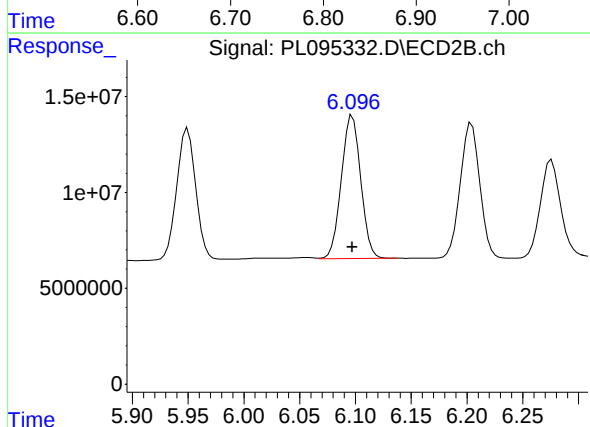
#15 Endosulfan II

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 80317081
Conc: 25.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

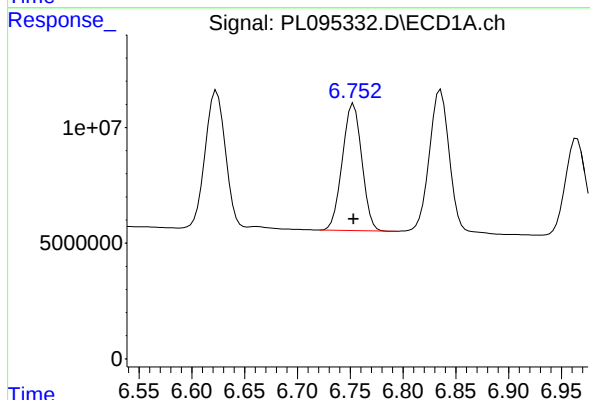
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



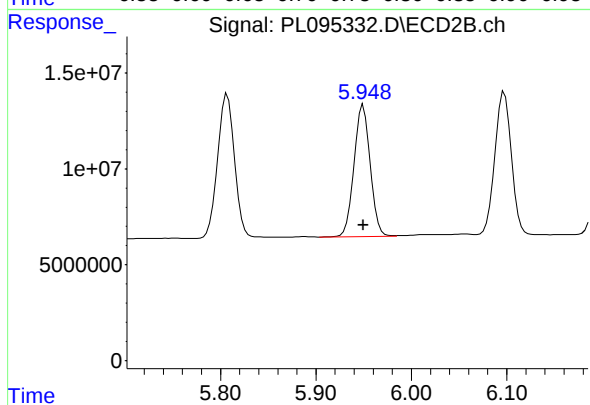
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 90454520
Conc: 25.54 ng/ml



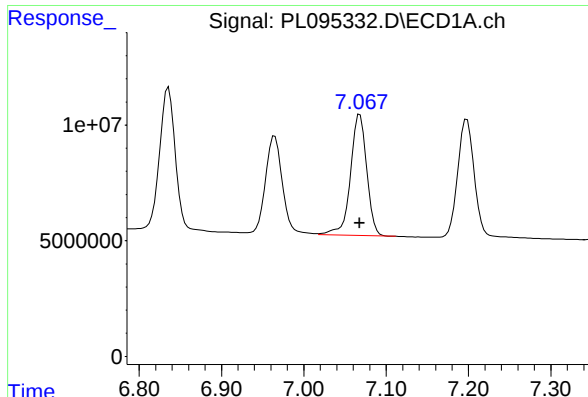
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 70509869
Conc: 25.15 ng/ml



#16 4,4'-DDD

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 81698054
Conc: 25.13 ng/ml



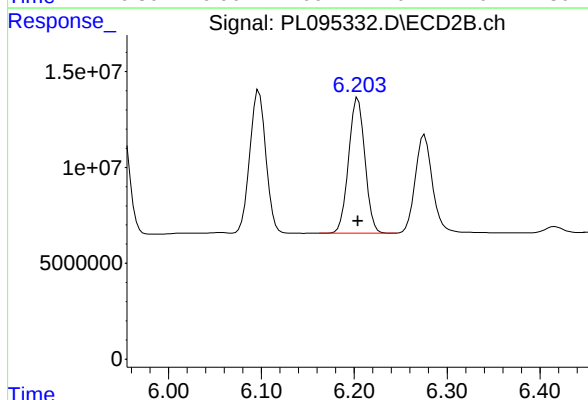
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 71529390
Conc: 25.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

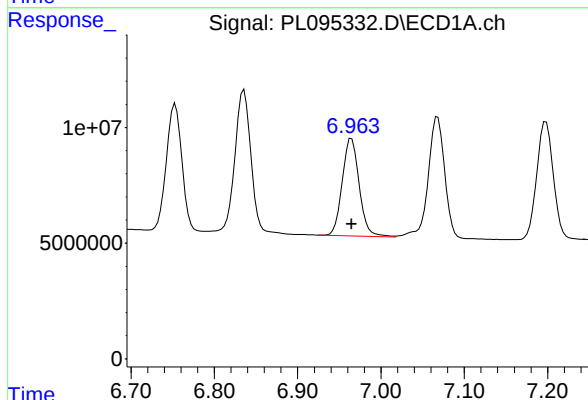
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



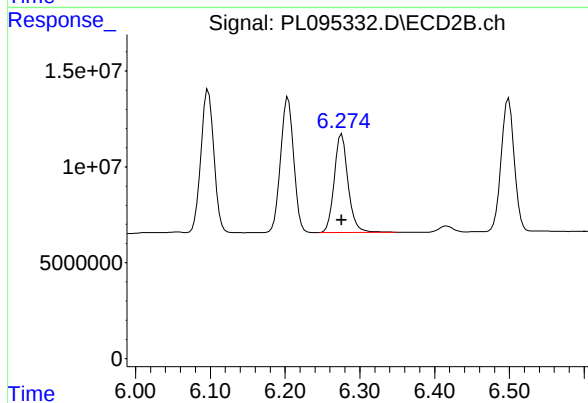
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 86031617
Conc: 25.00 ng/ml



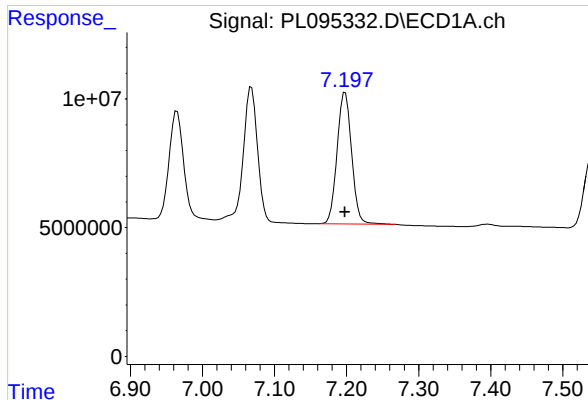
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 59366165
Conc: 26.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 66150972
Conc: 25.65 ng/ml



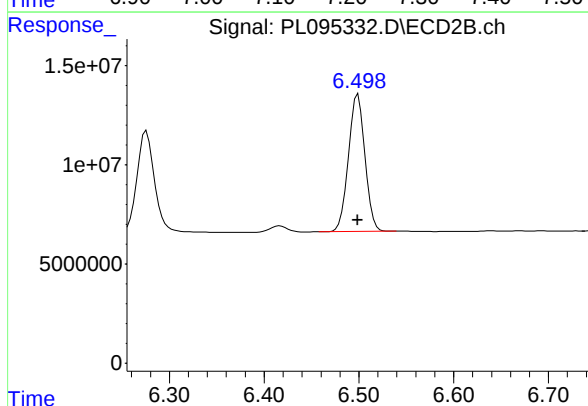
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 71073932
Conc: 25.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

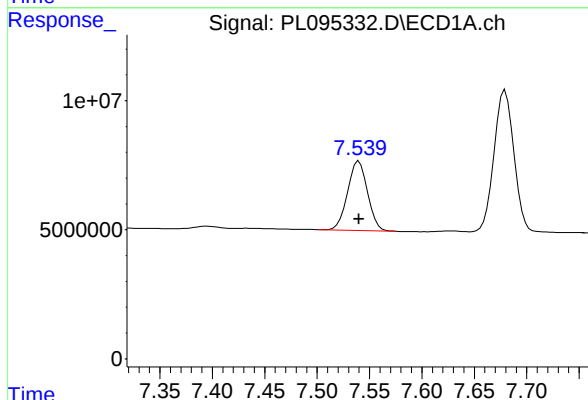
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



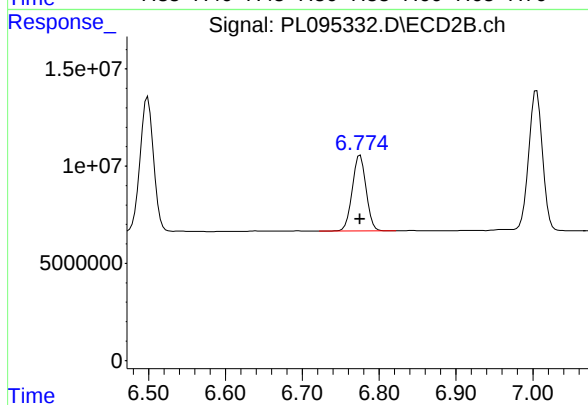
#19 Endosulfan Sulfate

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 83744169
Conc: 25.64 ng/ml



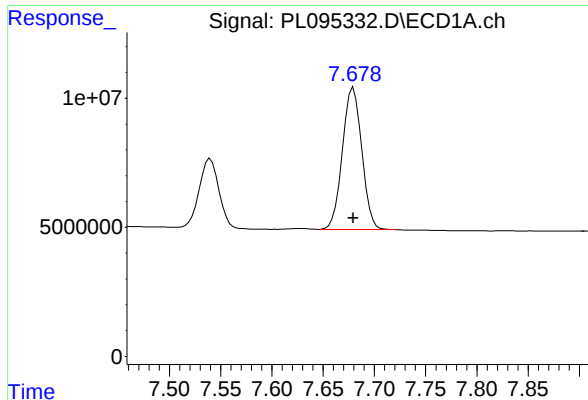
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 35648257
Conc: 26.13 ng/ml



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 48736354
Conc: 26.05 ng/ml



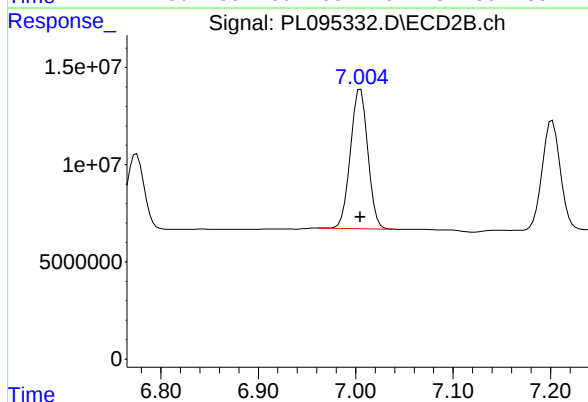
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 72029844
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

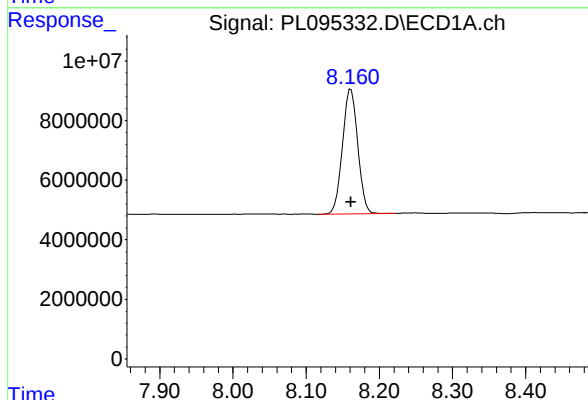
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



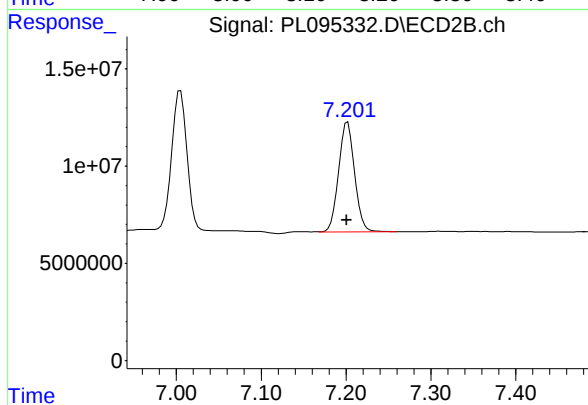
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 88886335
Conc: 25.48 ng/ml



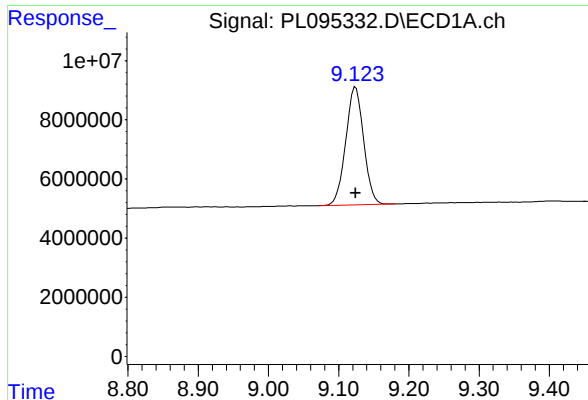
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 60846386
Conc: 26.71 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 74131947
Conc: 26.37 ng/ml m



#28 Decachlorobiphenyl

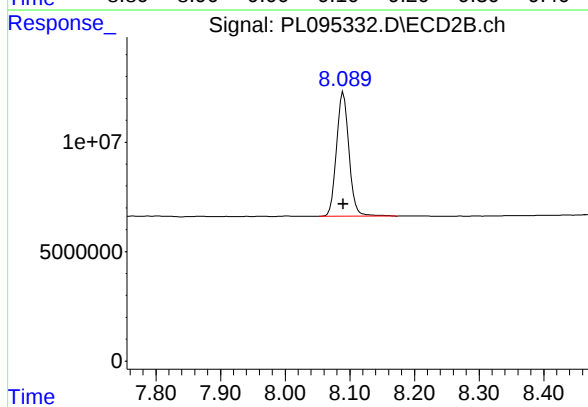
ICAL Form

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 70535847
Conc: 26.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 76004301
Conc: 26.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:26
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:35:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:35:34 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...	3.595	2.905	17226547	16774274	5.277	5.275
2) SA Decachlor...	9.124	8.089	15494795	15593893	5.592	5.270
Target Compounds						
2) A alpha-BHC	4.046	3.415	24630161	21718521	4.972	4.882
3) MA gamma-BHC...	4.378	3.749	24047920	21843021	5.080	4.966
4) MA Heptachlor	4.976	4.104	24089854	22426031	5.266	5.147
5) MB Aldrin	5.317	4.389	23939616	20545826	5.212	4.992
6) B beta-BHC	4.564	4.043	11239021	11256224	5.436	5.422
7) B delta-BHC	4.812	4.280	24459248	21692758	5.259	4.950
8) B Heptachlo...	5.739	4.893	21350448	20141703	5.331	5.214
9) A Endosulfan I	6.122	5.266	20308048	18652835	5.348	5.096
10) B gamma-Chl...	5.993	5.146	21145113	21190077	5.183	5.229
11) B alpha-Chl...	6.074	5.210	21268601	20714715	5.231	5.203
12) B 4,4'-DDE	6.242	5.397	20770904	20747185	5.298	5.101
13) MA Dieldrin	6.396	5.532	19971571	21318751	5.181	5.242
14) MA Endrin	6.622	5.806	16946885	18649649	5.321	5.123
15) B Endosulfa...	6.835	6.097	17567027	18938000	5.503	5.274
16) A 4,4'-DDD	6.753	5.949	14708945	16655803	5.196	5.099
17) MA 4,4'-DDT	7.068	6.204	14262305	17073765	5.007	4.969
18) B Endrin al...	6.964	6.275	12367450	13751187	5.329	5.262
19) B Endosulfa...	7.198	6.498	15108097	17635344	5.392	5.315
20) A Methoxychlor	7.540	6.774	7589024	10262527	5.440	5.380
21) B Endrin ke...	7.679	7.004	15300793	18268527	5.367	5.188
22) Mirex	8.161	7.200	13844446	15752969	5.827	5.469m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

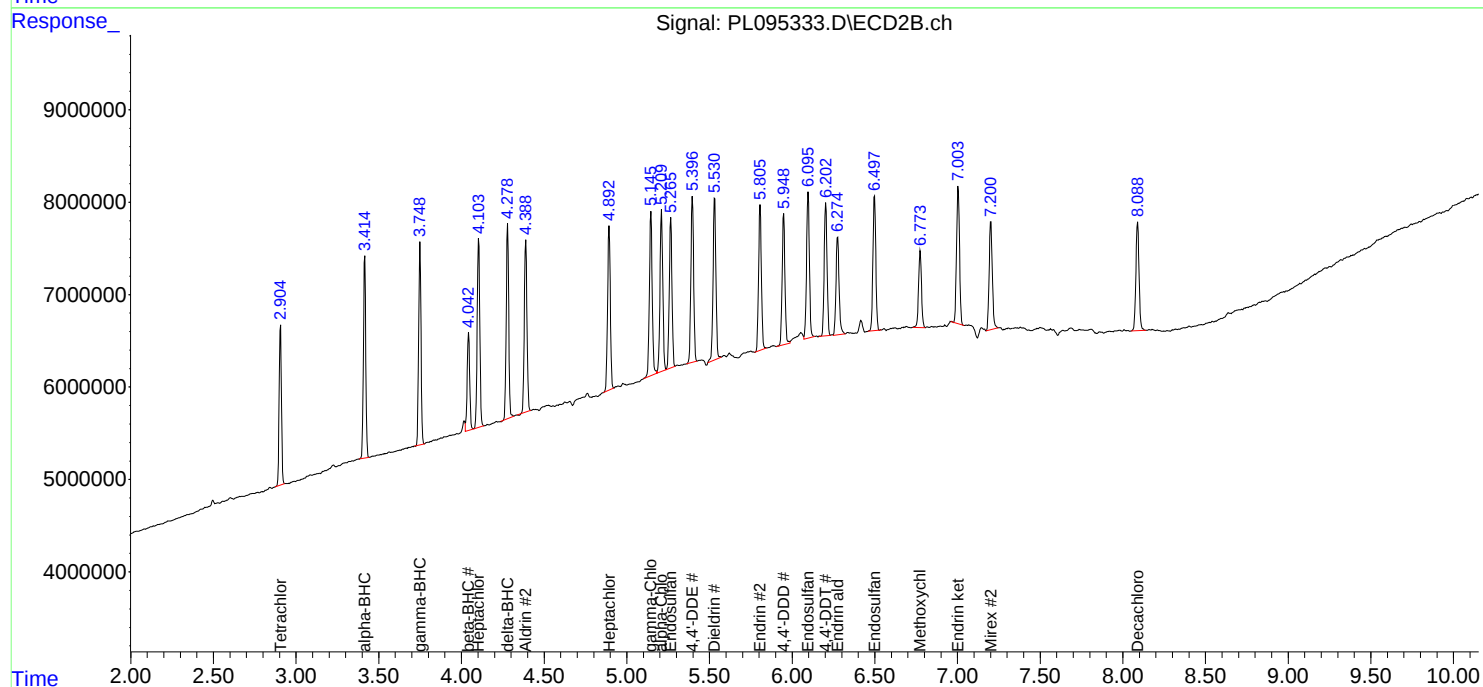
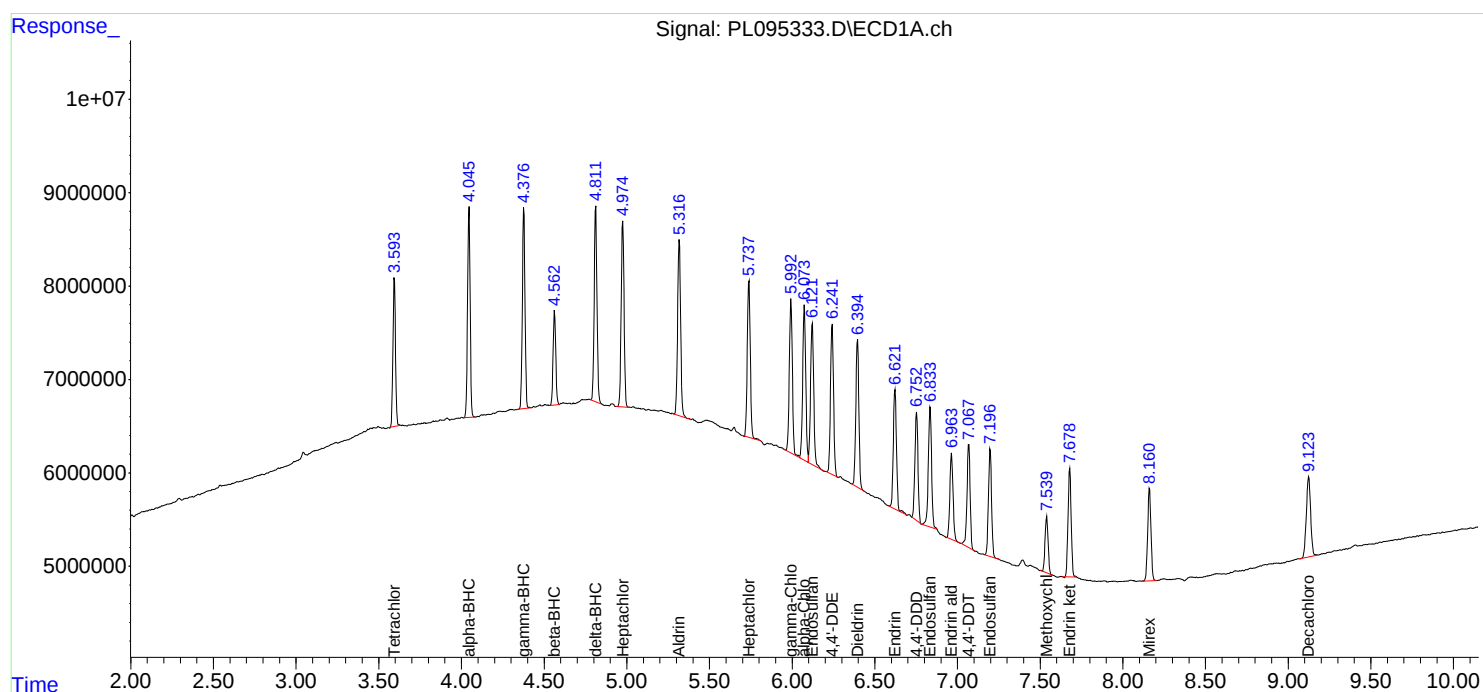
APPROVED

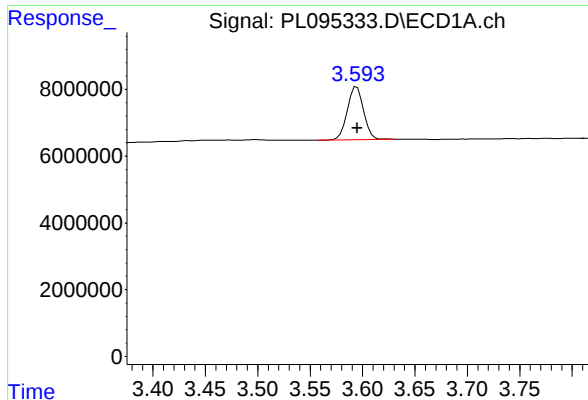
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 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





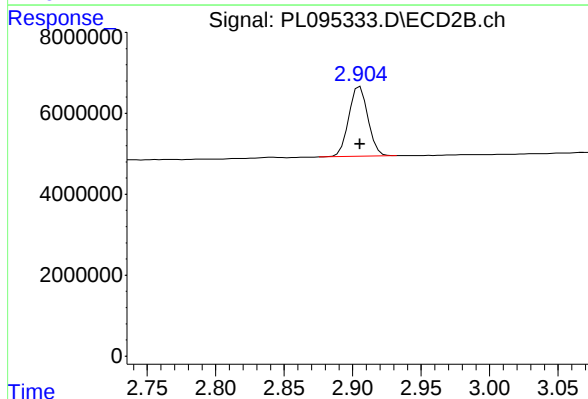
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 17226547
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

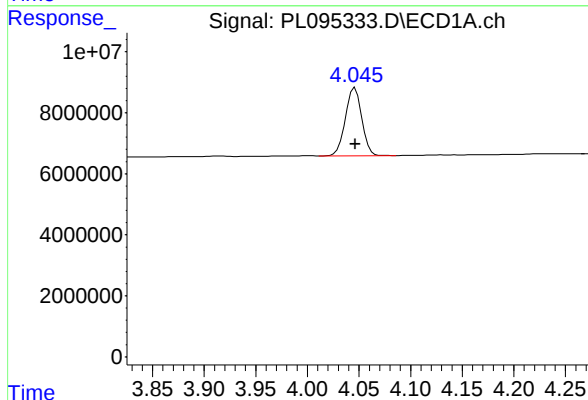
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



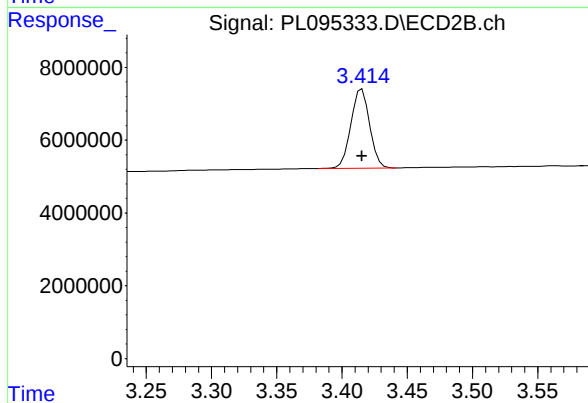
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 16774274
Conc: 5.28 ng/ml



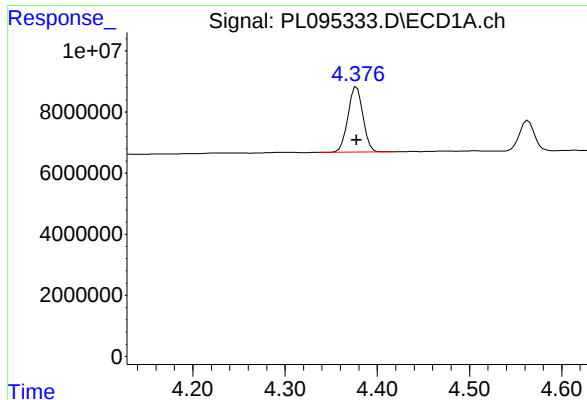
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 24630161
Conc: 4.97 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 21718521
Conc: 4.88 ng/ml



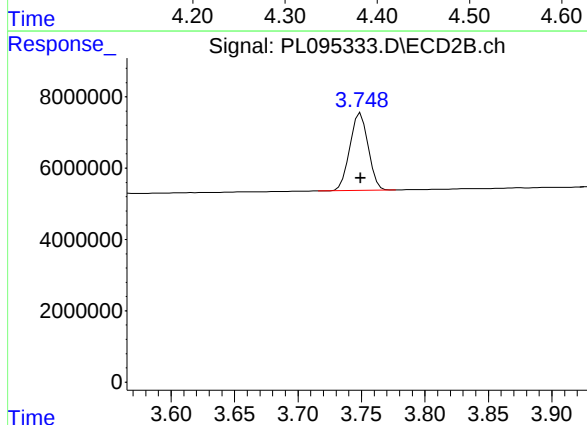
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 24047920
Conc: 5.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

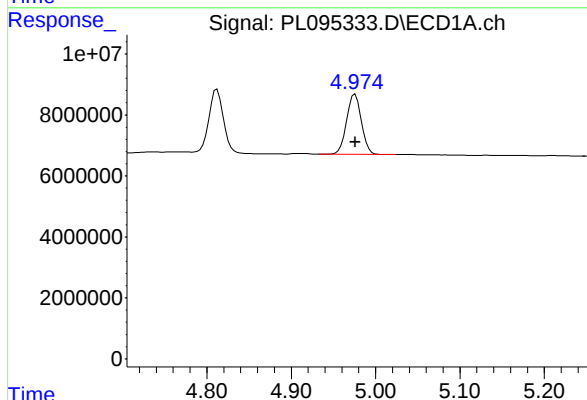
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



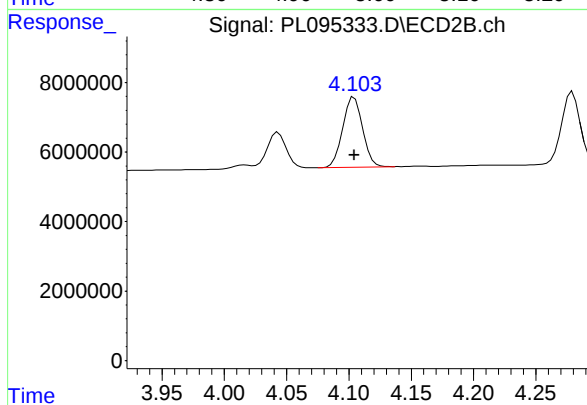
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 21843021
Conc: 4.97 ng/ml



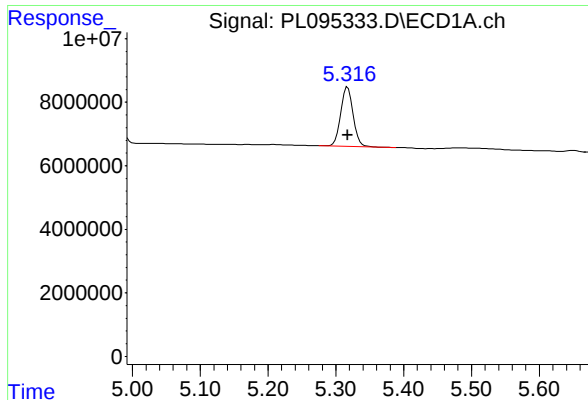
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 24089854
Conc: 5.27 ng/ml



#4 Heptachlor

R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 22426031
Conc: 5.15 ng/ml



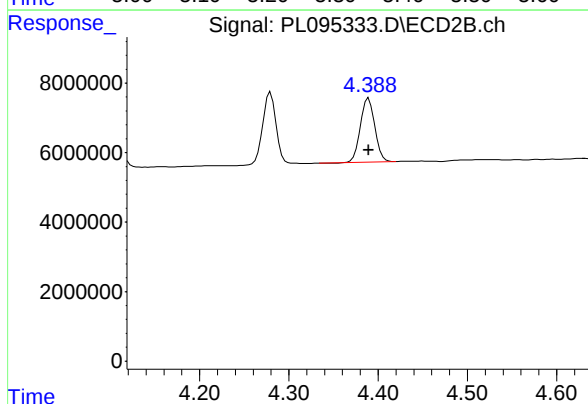
#5 Aldrin

R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 23939616
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

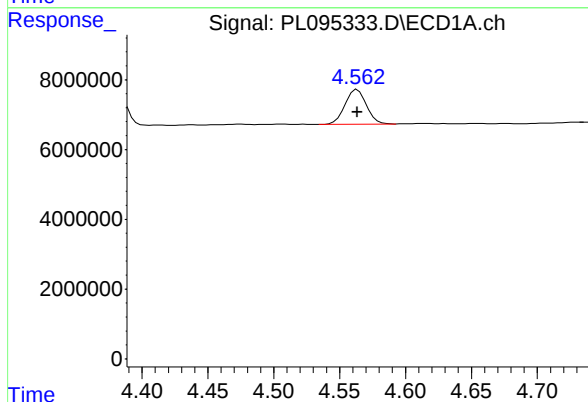
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



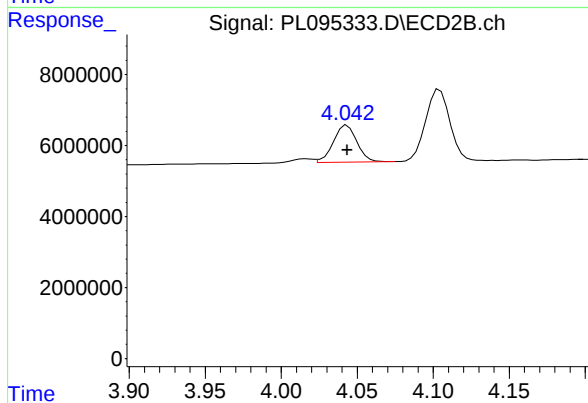
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 20545826
Conc: 4.99 ng/ml



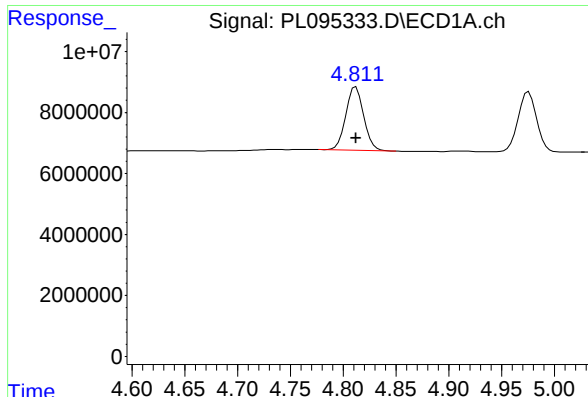
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 11239021
Conc: 5.44 ng/ml



#6 beta-BHC

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 11256224
Conc: 5.42 ng/ml



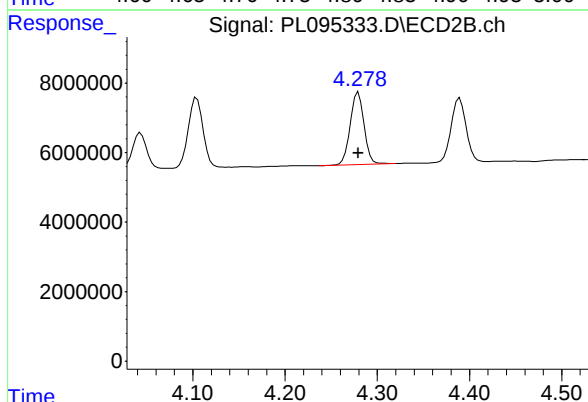
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 24459248
Conc: 5.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

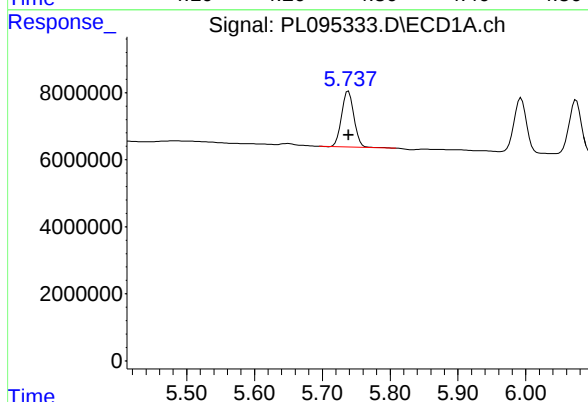
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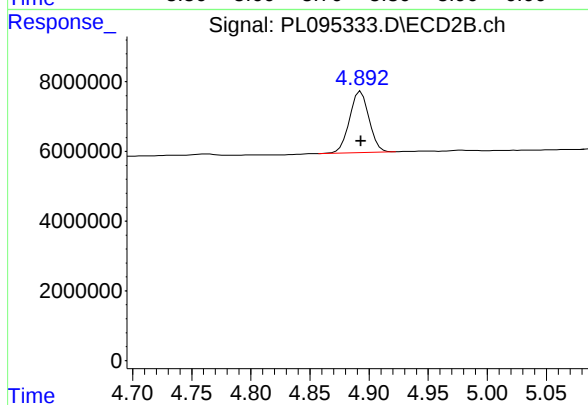
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 21692758
Conc: 4.95 ng/ml



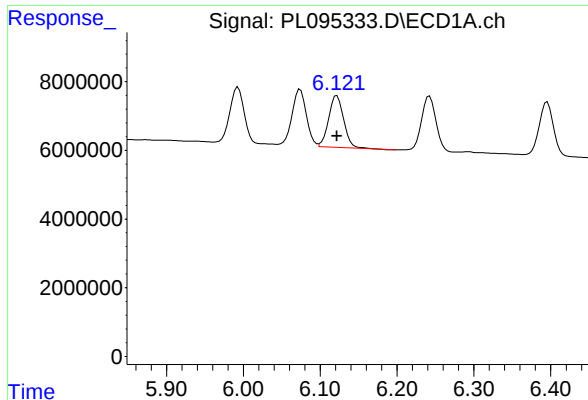
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 21350448
Conc: 5.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 20141703
Conc: 5.21 ng/ml



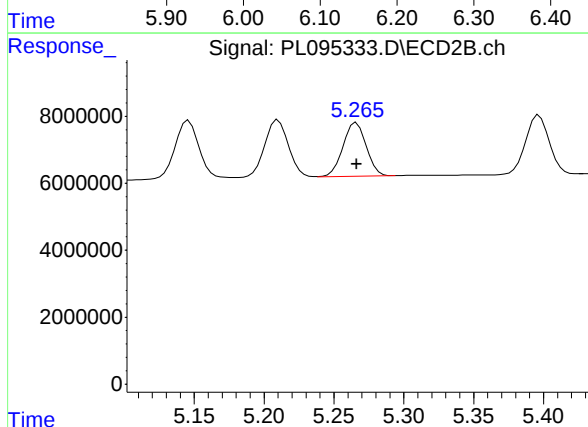
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 20308048
Conc: 5.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

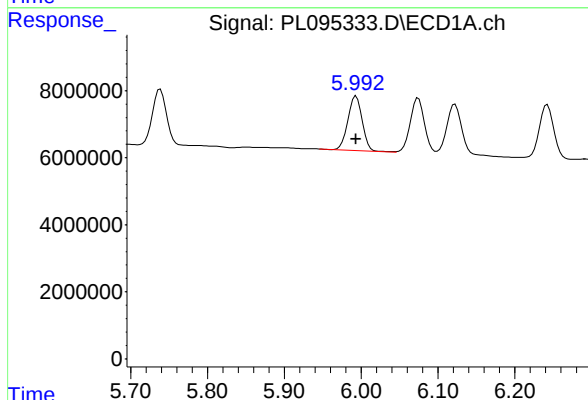
Manual Integrations
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Supervised By :mohammad ahmed 04/26/2025



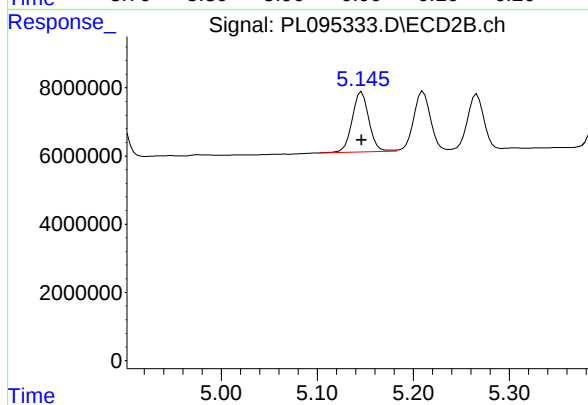
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 18652835
Conc: 5.10 ng/ml



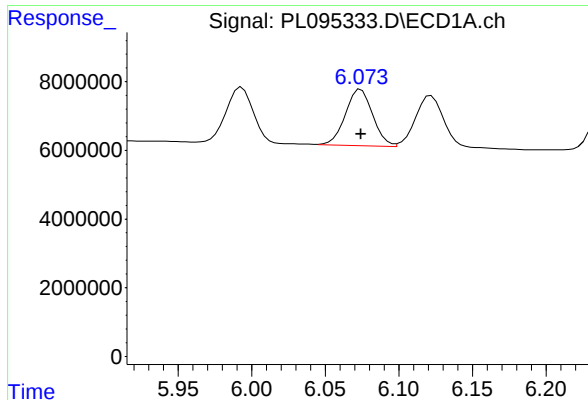
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 21145113
Conc: 5.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 21190077
Conc: 5.23 ng/ml



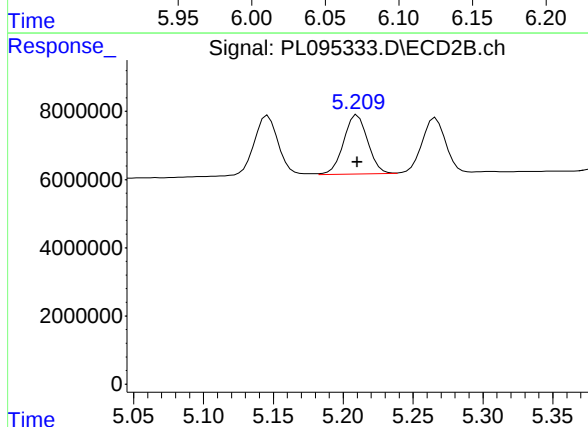
#11 alpha-Chlordane

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 21268601
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

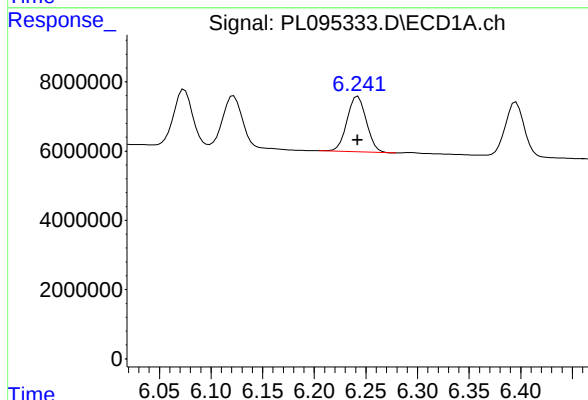
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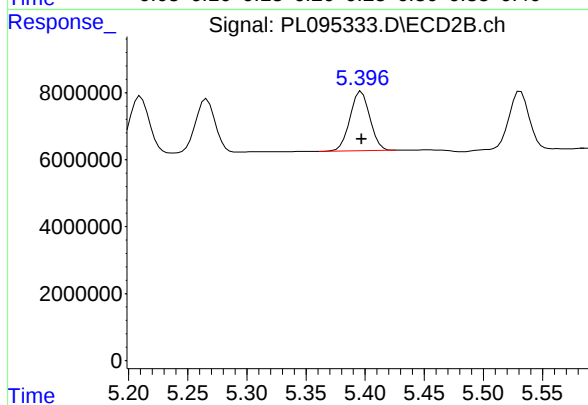
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 20714715
Conc: 5.20 ng/ml



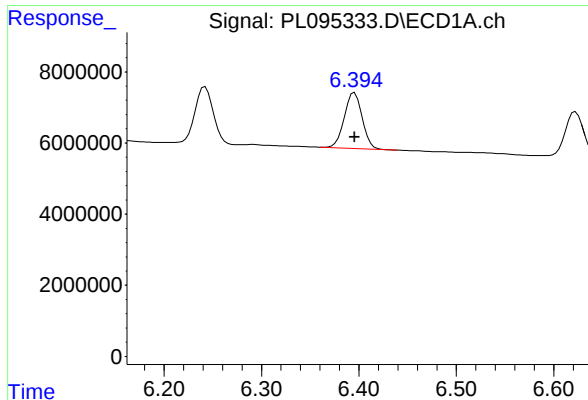
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 20770904
Conc: 5.30 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 20747185
Conc: 5.10 ng/ml



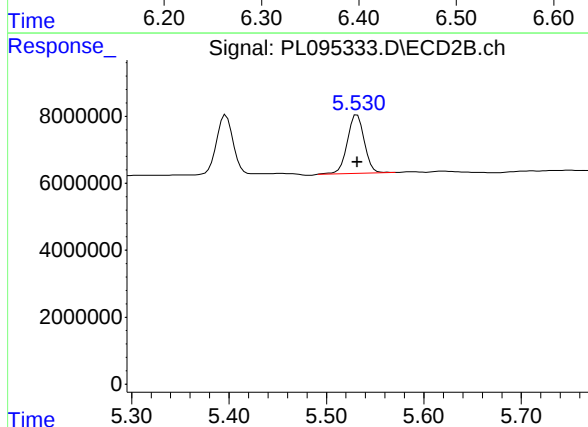
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 19971571
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

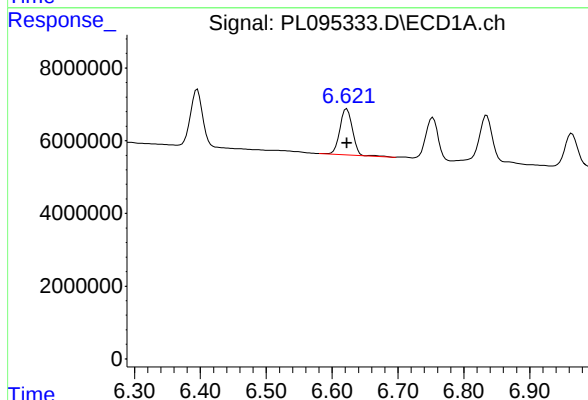
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Supervised By :mohammad ahmed 04/26/2025



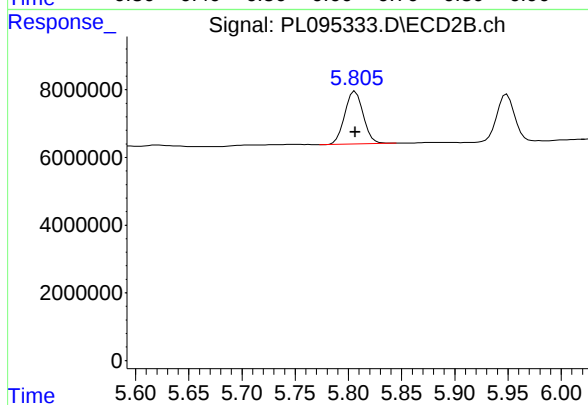
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 21318751
Conc: 5.24 ng/ml



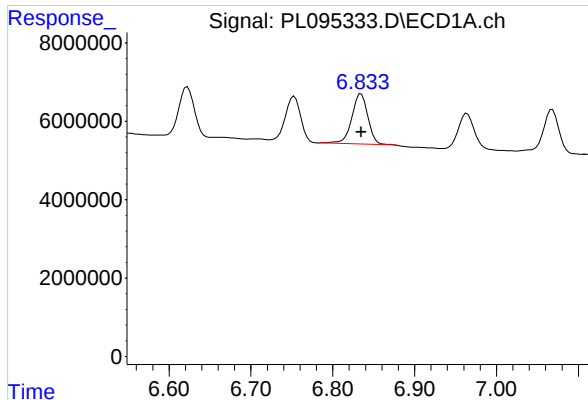
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 16946885
Conc: 5.32 ng/ml



#14 Endrin

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 18649649
Conc: 5.12 ng/ml



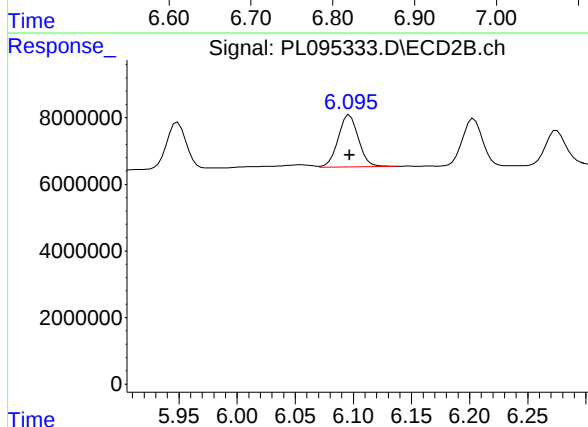
#15 Endosulfan II

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 17567027
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

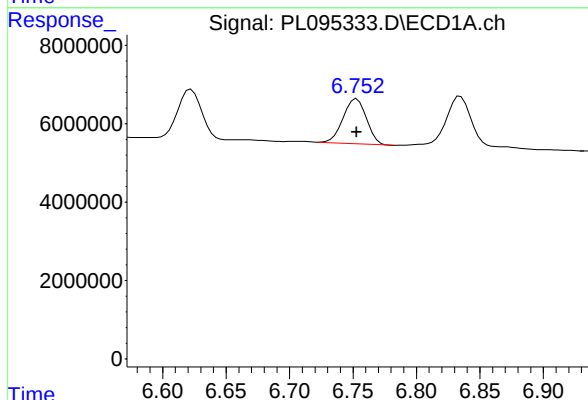
Manual Integrations
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Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



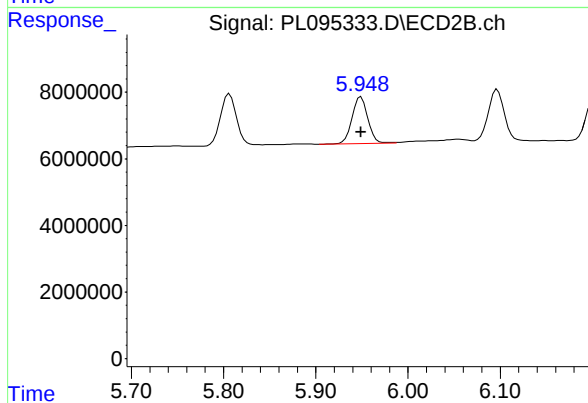
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 18938000
Conc: 5.27 ng/ml



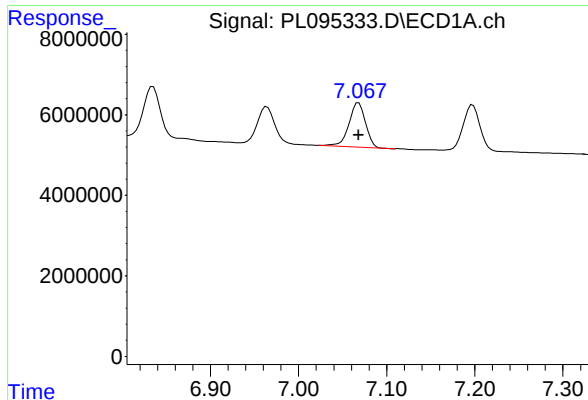
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 14708945
Conc: 5.20 ng/ml



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 16655803
Conc: 5.10 ng/ml



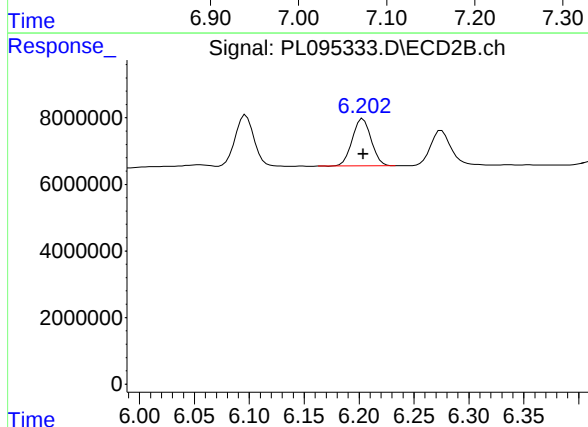
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 14262305
Conc: 5.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

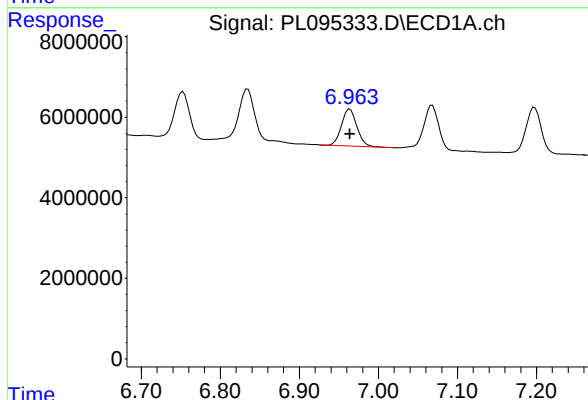
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



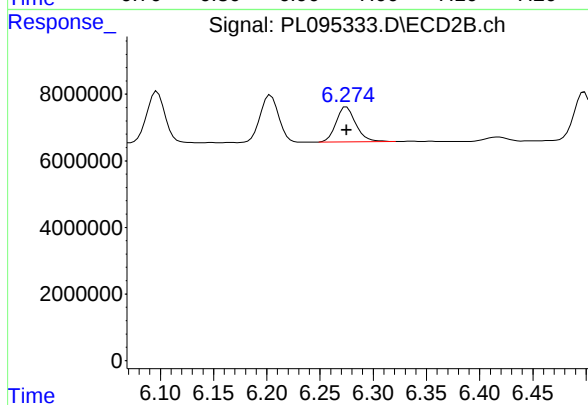
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 17073765
Conc: 4.97 ng/ml



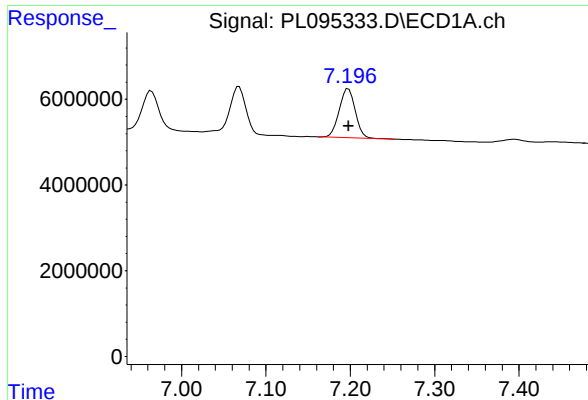
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 12367450
Conc: 5.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 13751187
Conc: 5.26 ng/ml



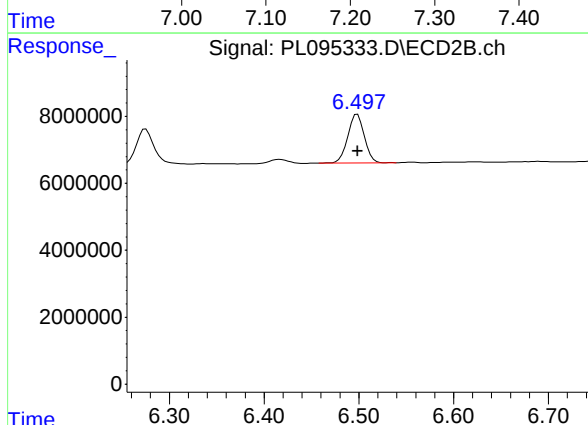
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 15108097
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

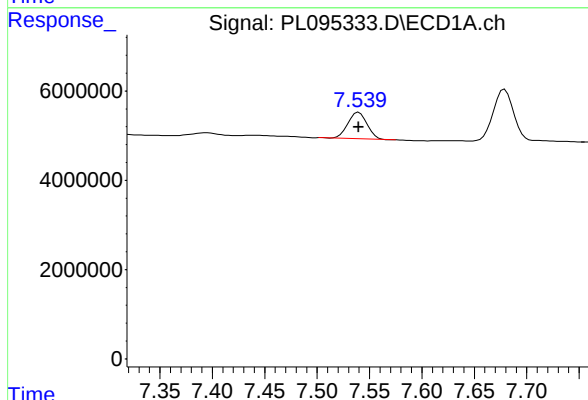
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



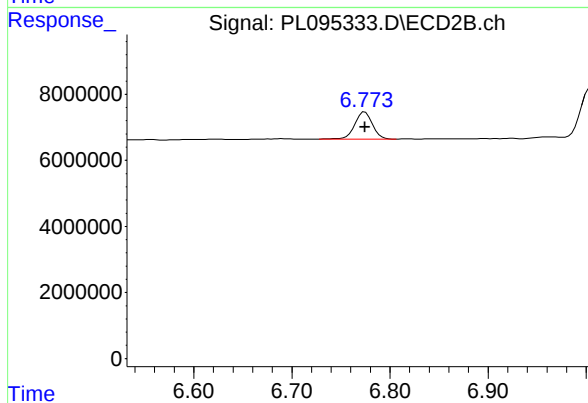
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 17635344
Conc: 5.32 ng/ml



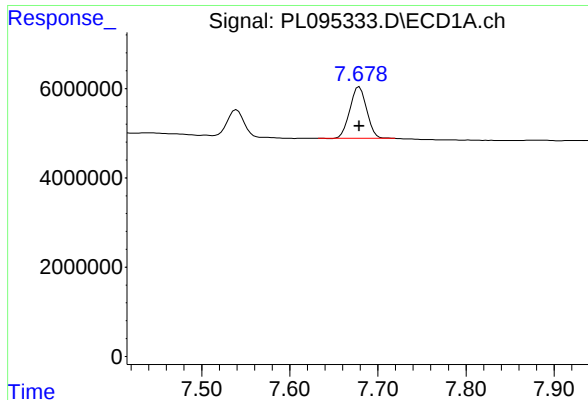
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 7589024
Conc: 5.44 ng/ml



#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 10262527
Conc: 5.38 ng/ml



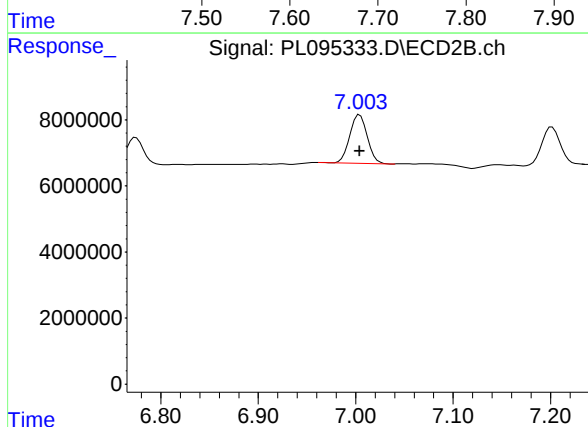
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 15300793
Conc: 5.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

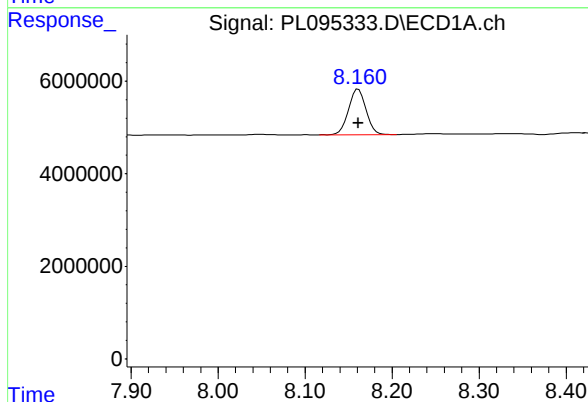
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



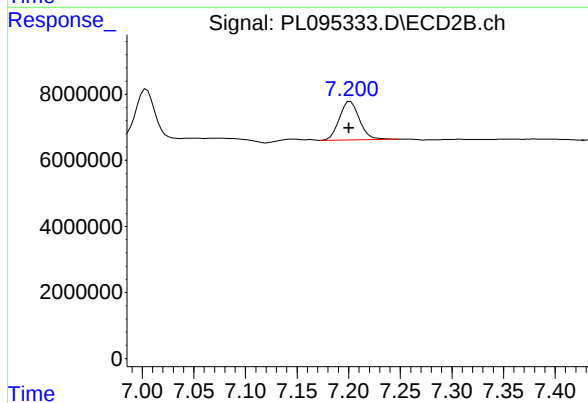
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 18268527
Conc: 5.19 ng/ml



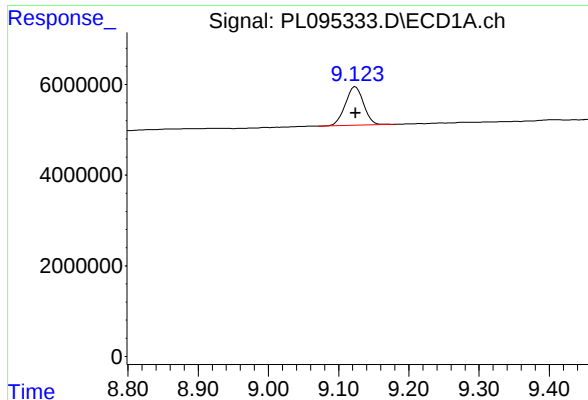
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 13844446
Conc: 5.83 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 15752969
Conc: 5.47 ng/ml m



#28 Decachlorobiphenyl

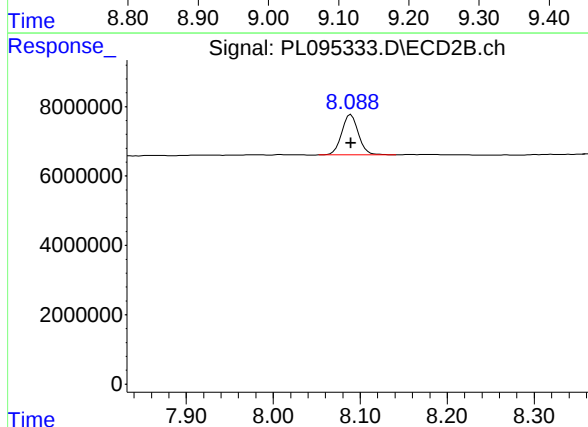
R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 15494795
Conc: 5.59 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 15593893
Conc: 5.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095336.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 13:07
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 13:18:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 13:16:48 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...	3.595	2.906	161.9E6	195.6E6	50.000	50.000
28) SA Decachlor...	9.123	8.089	135.2E6	145.1E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.762	3.926	98361472	76159147	500.000	500.000
24) Chlordane-2	5.288	4.508	106.9E6	90786464	500.000	500.000
25) Chlordane-3	5.994	5.146	390.5E6	258.0E6	500.000	500.000
26) Chlordane-4	6.079	5.210	472.5E6	216.5E6	500.000	500.000
27) Chlordane-5	6.919	6.106	74901227	91342128	500.000	500.000

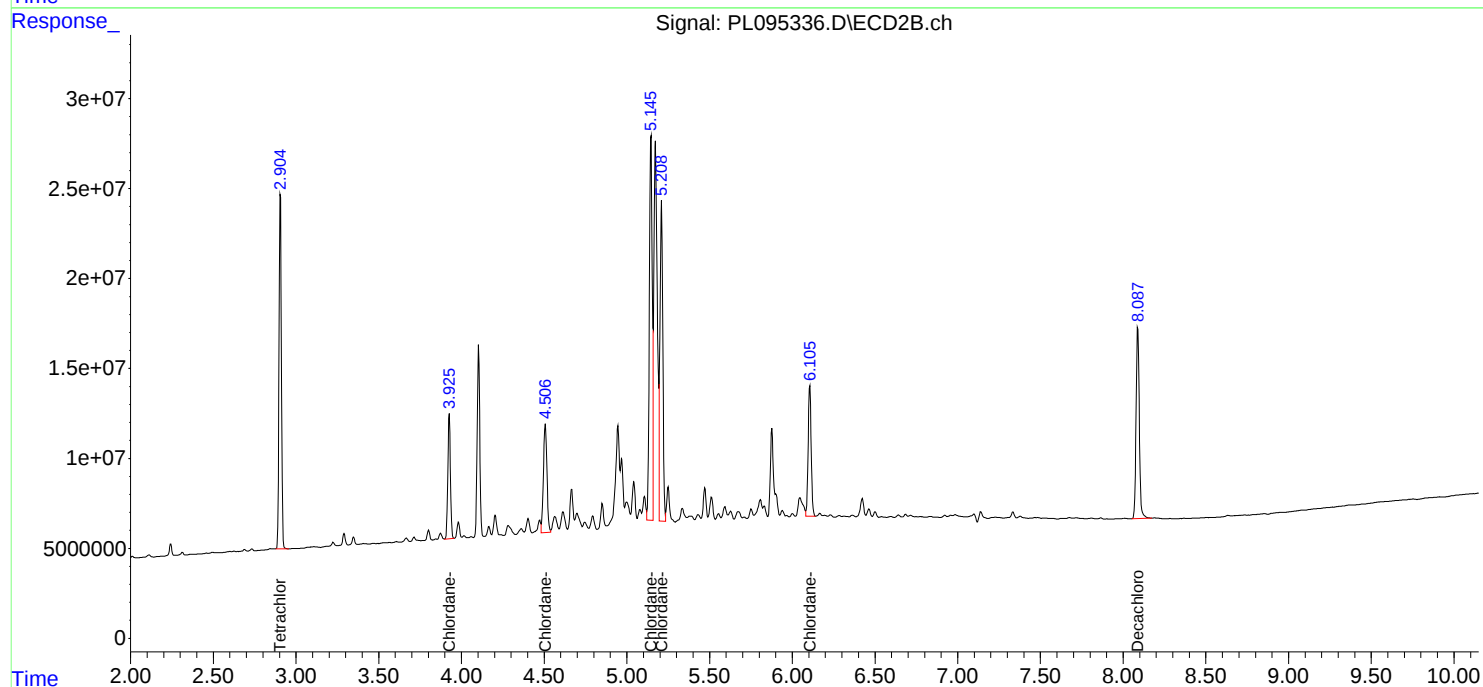
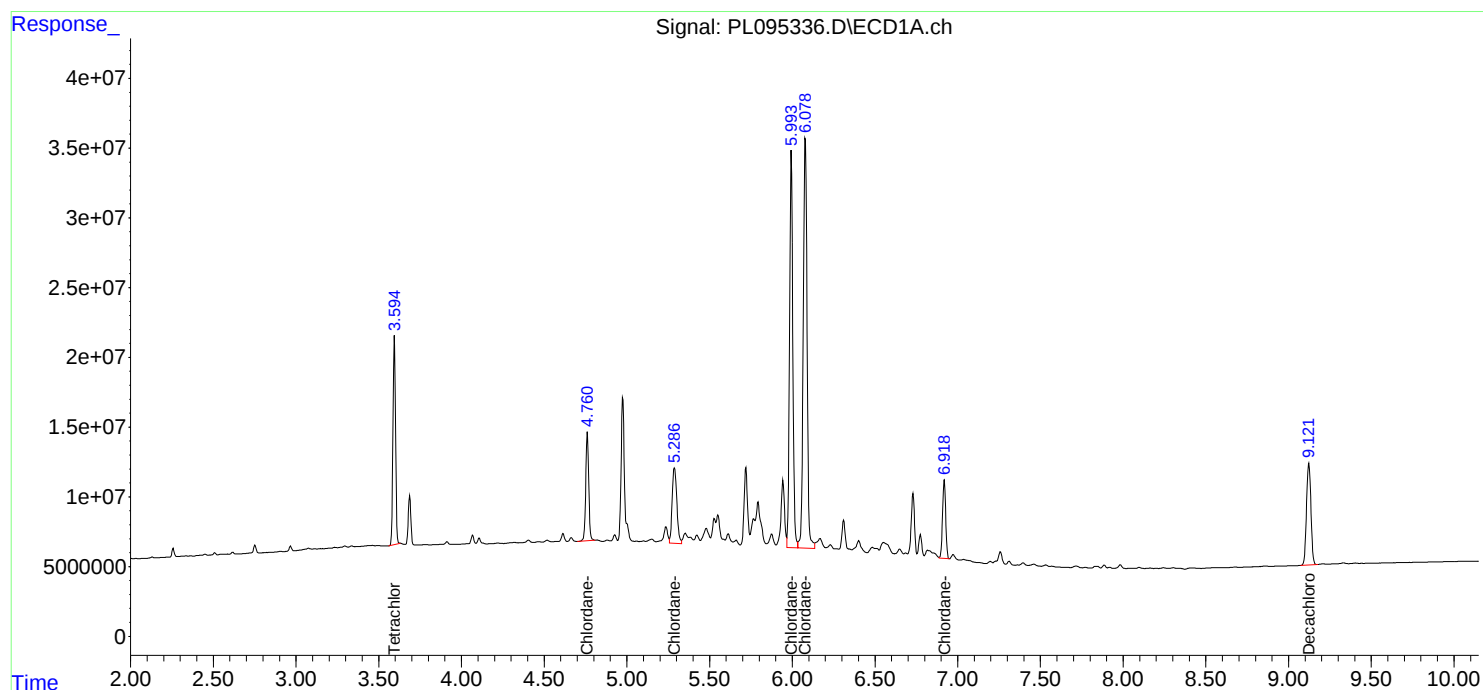
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

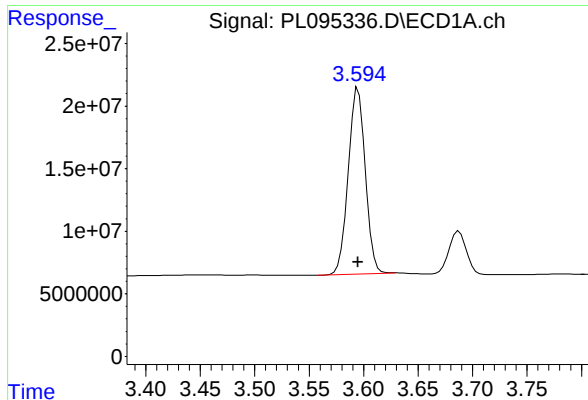
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 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

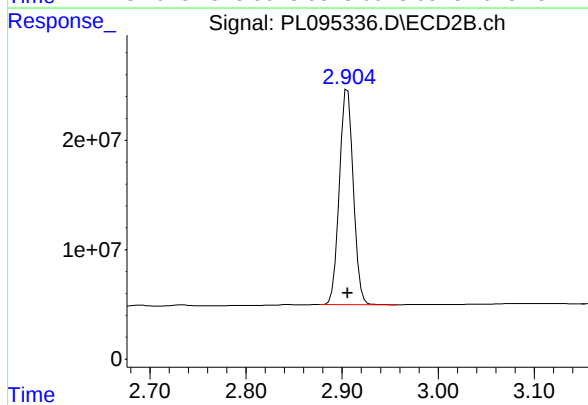




#1 Tetrachloro-m-xylene

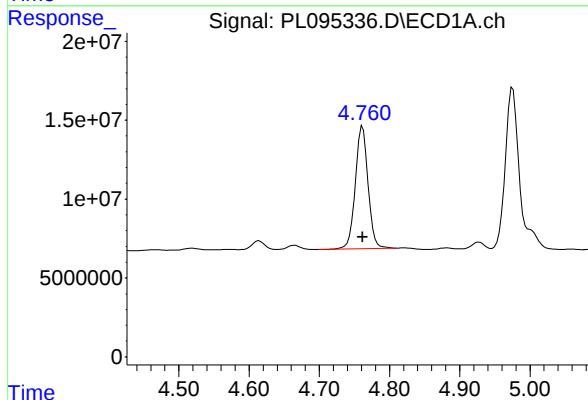
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 161889270
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



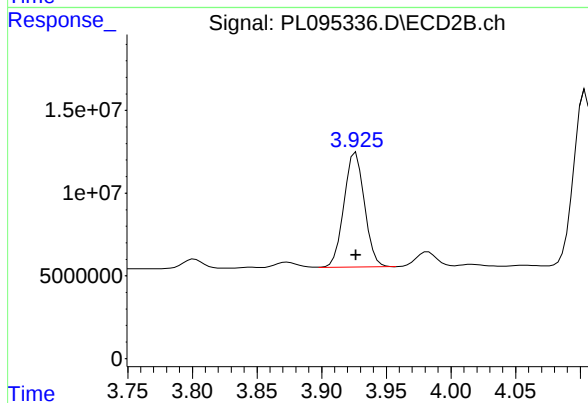
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 195640523
Conc: 50.00 ng/ml



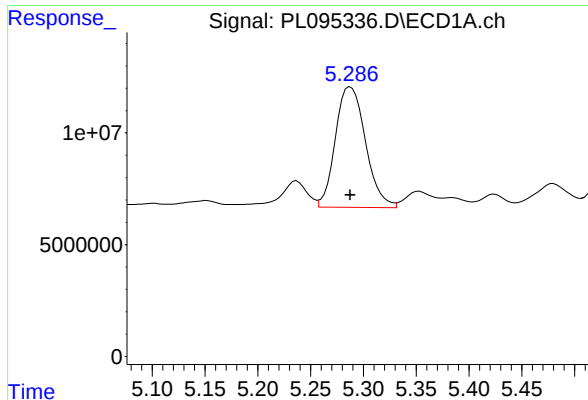
#23 Chlordane-1

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 98361472
Conc: 500.00 ng/ml



#23 Chlordane-1

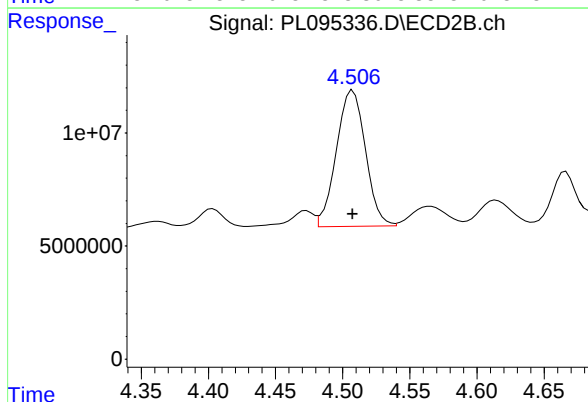
R.T.: 3.926 min
Delta R.T.: 0.000 min
Response: 76159147
Conc: 500.00 ng/ml



#24 Chlordane-2

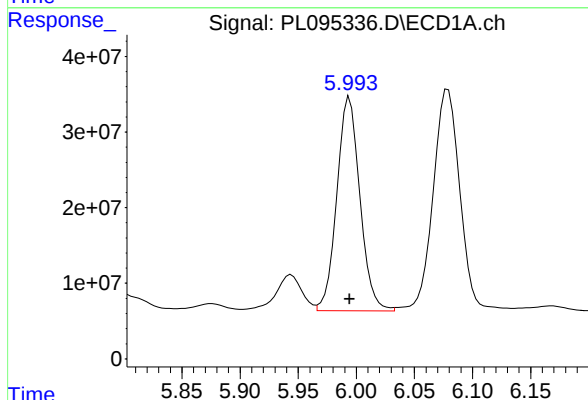
R.T.: 5.288 min
Delta R.T.: 0.000 min
Response: 106912869
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



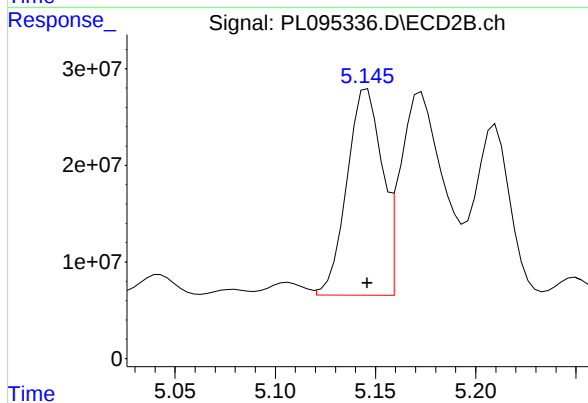
#24 Chlordane-2

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 90786464
Conc: 500.00 ng/ml



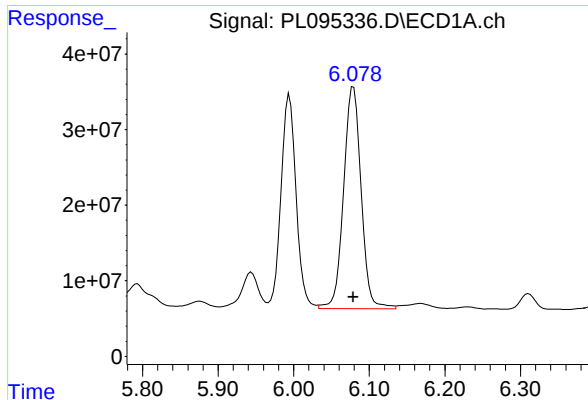
#25 Chlordane-3

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 390489339
Conc: 500.00 ng/ml



#25 Chlordane-3

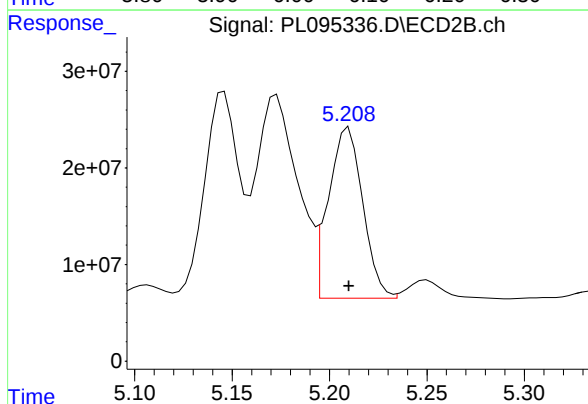
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 258034387
Conc: 500.00 ng/ml



#26 Chlordane-4

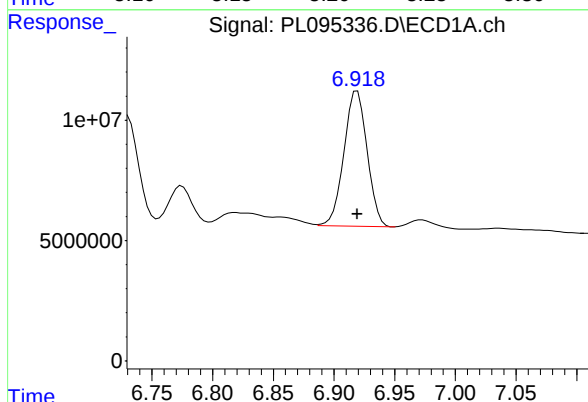
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 472546188
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



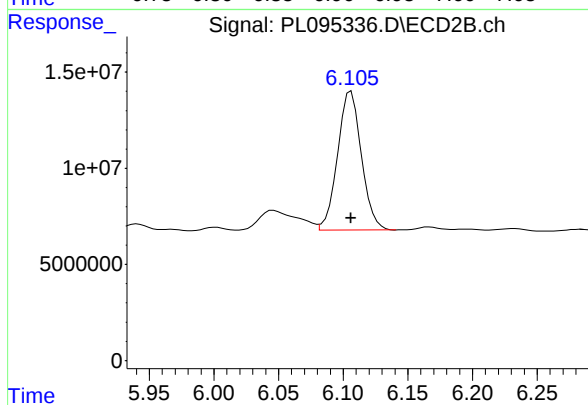
#26 Chlordane-4

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 216529044
Conc: 500.00 ng/ml



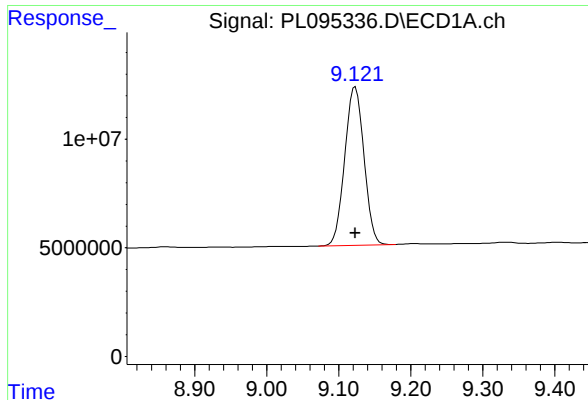
#27 Chlordane-5

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 74901227
Conc: 500.00 ng/ml



#27 Chlordane-5

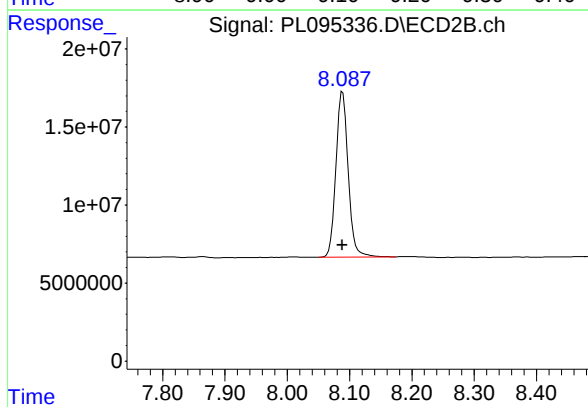
R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 91342128
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 135170504
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 145132044
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 14:32
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:41:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:41:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.594	2.905	170.6E6	165.2E6	50.000	50.000
7) SA Decachlor...	9.120	8.087	144.3E6	152.4E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.288	5.165	14117602	12301124	500.000	500.000
3) Toxaphene-2	6.488	5.493	19710754	11783269	500.000	500.000
4) Toxaphene-3	7.102	5.853	48154475	12799809	500.000	500.000
5) Toxaphene-4	7.194	6.770	35158460	38422565	500.000	500.000
6) Toxaphene-5	7.974	7.211	24549107	27736717	500.000	500.000

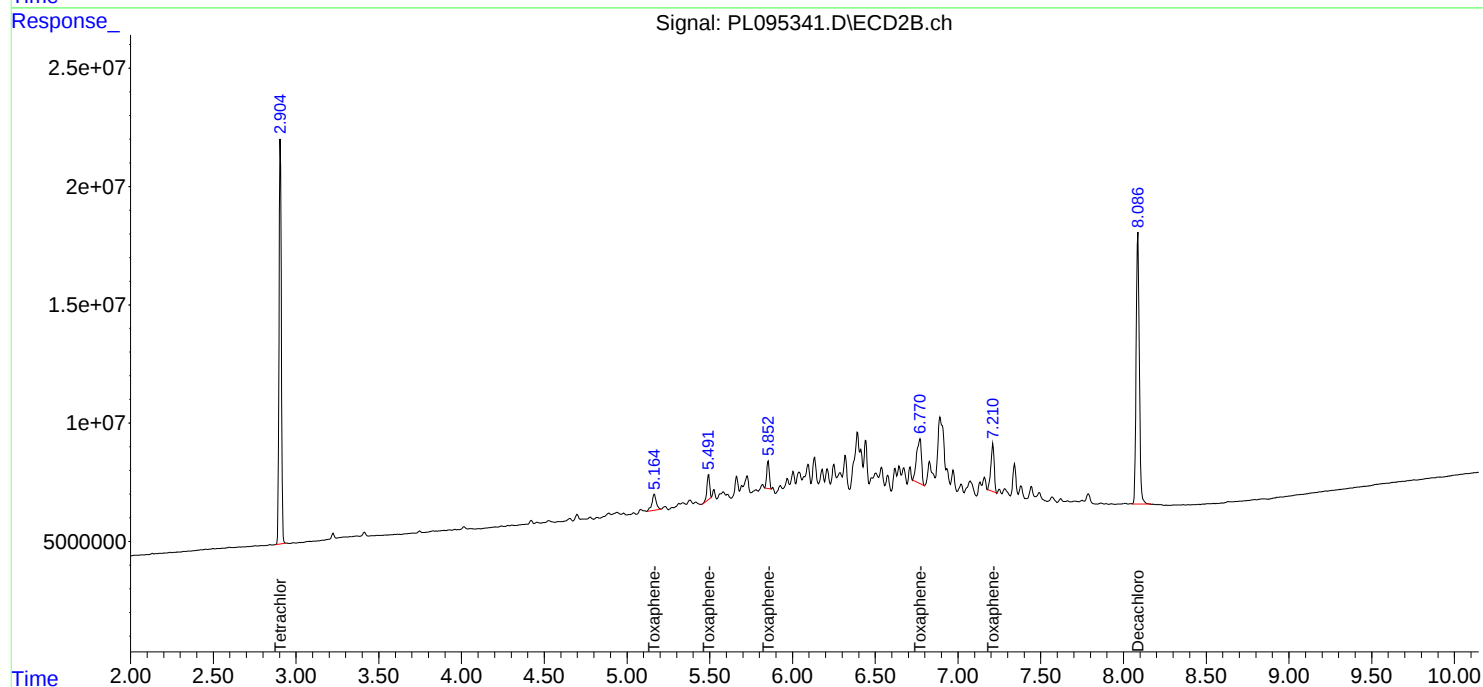
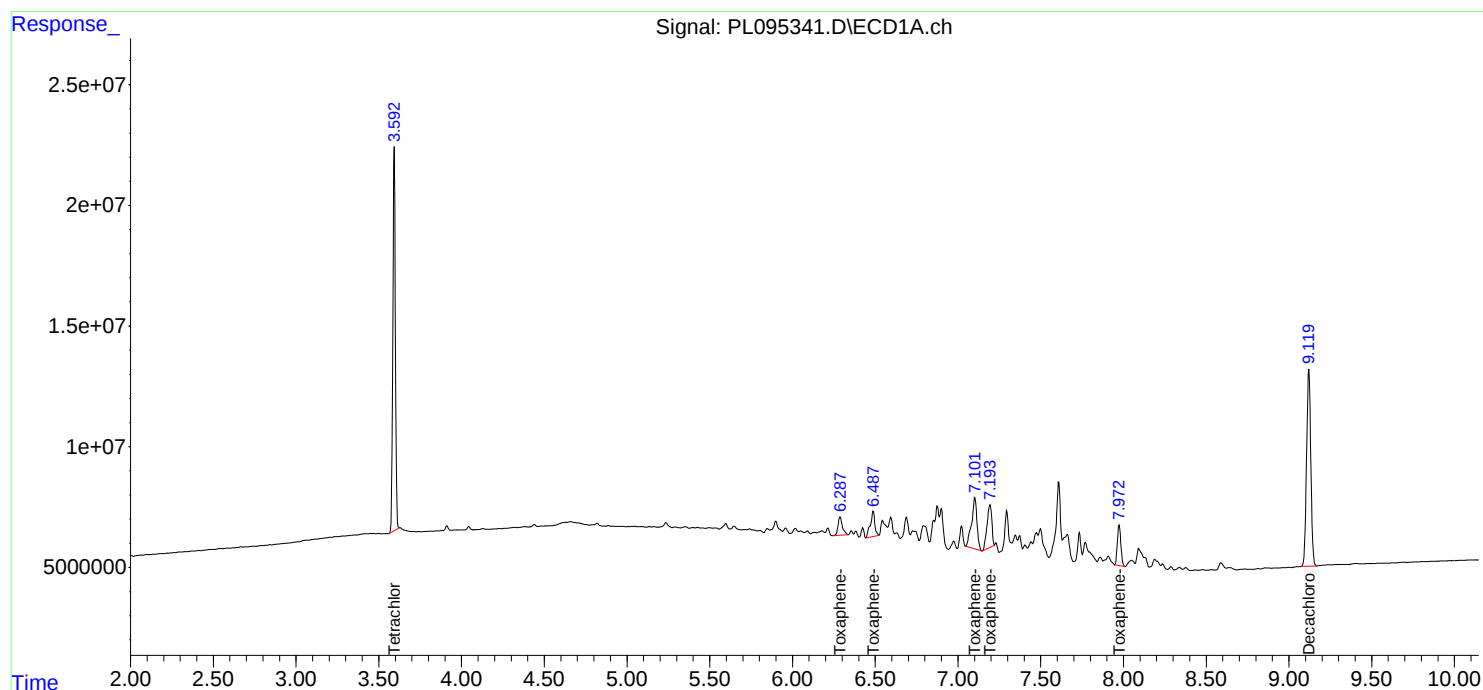
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

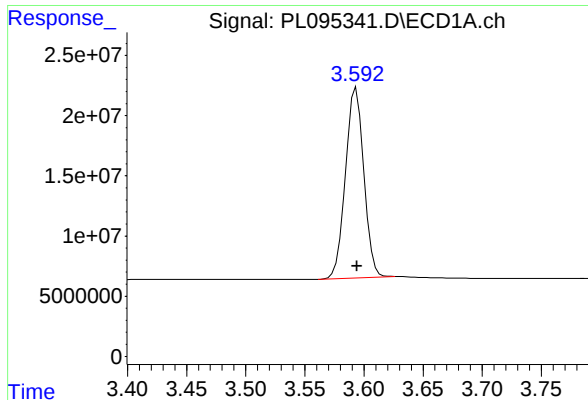
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

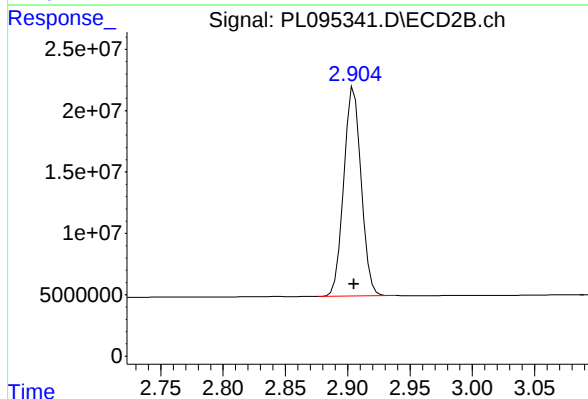




#1 Tetrachloro-m-xylene

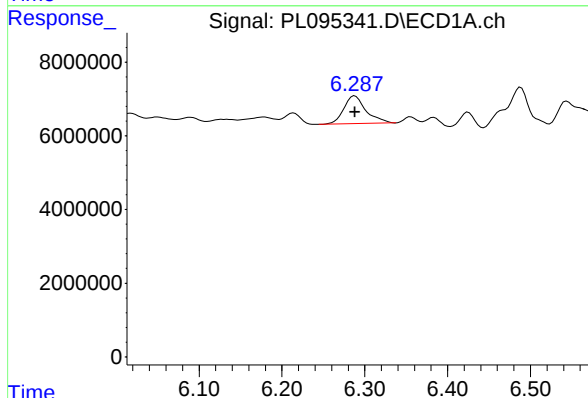
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 170571762
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



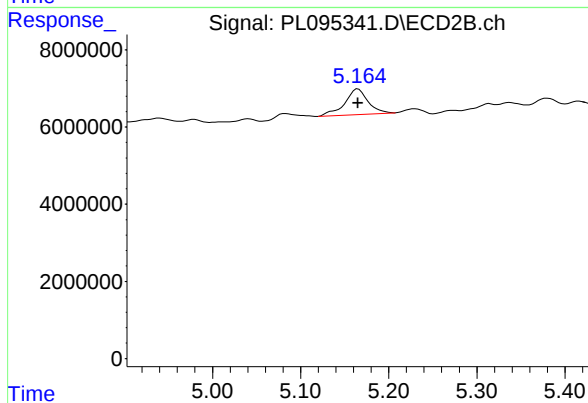
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 165170069
Conc: 50.00 ng/ml



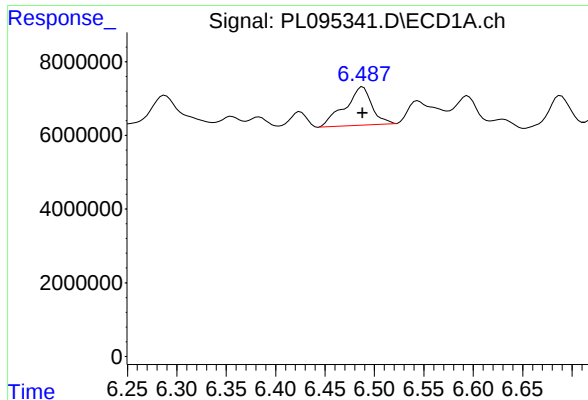
#2 Toxaphene-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 14117602
Conc: 500.00 ng/ml



#2 Toxaphene-1

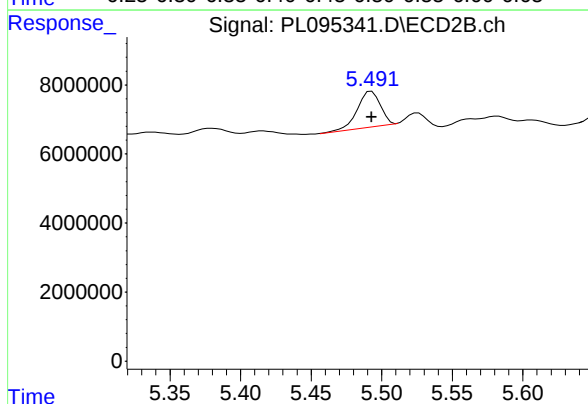
R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 12301124
Conc: 500.00 ng/ml



#3 Toxaphene-2

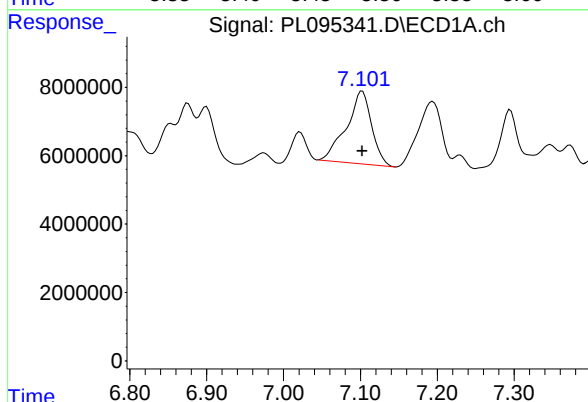
R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 19710754
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



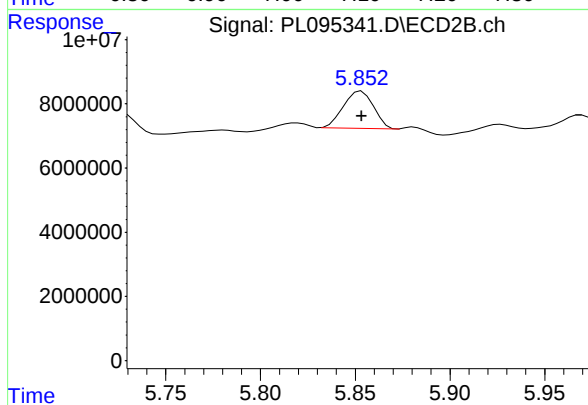
#3 Toxaphene-2

R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 11783269
Conc: 500.00 ng/ml



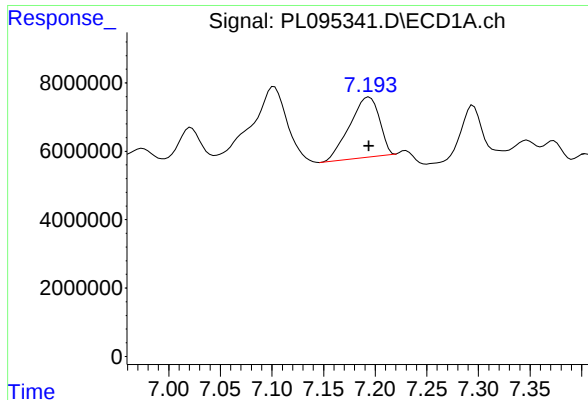
#4 Toxaphene-3

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 48154475
Conc: 500.00 ng/ml



#4 Toxaphene-3

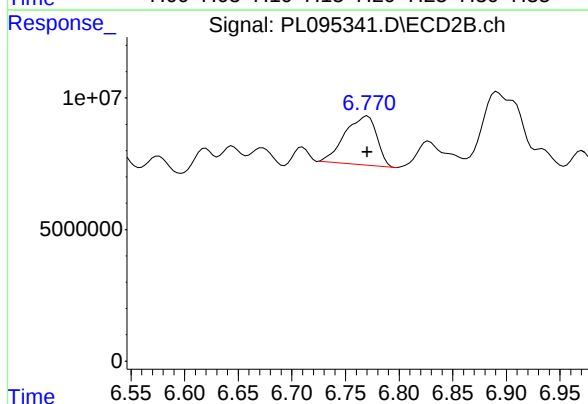
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 12799809
Conc: 500.00 ng/ml



#5 Toxaphene-4

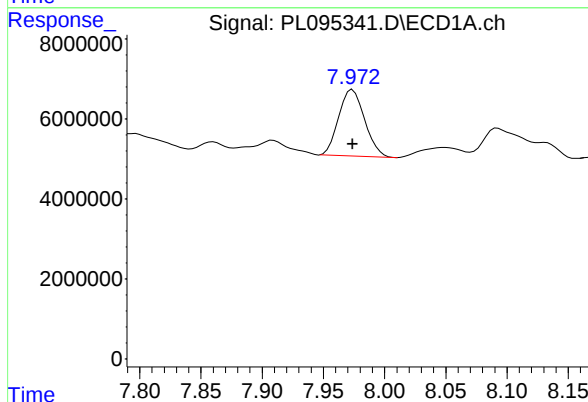
R.T.: 7.194 min
Delta R.T.: 0.000 min
Response: 35158460
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



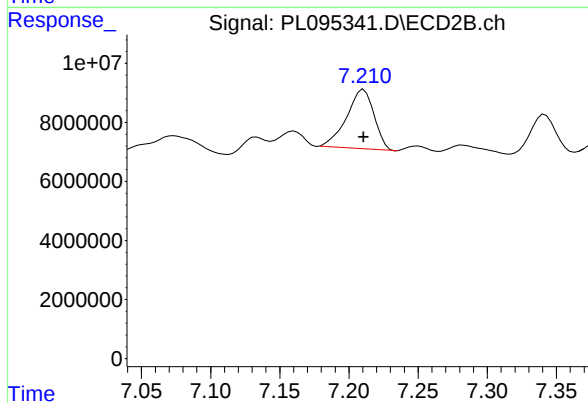
#5 Toxaphene-4

R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 38422565
Conc: 500.00 ng/ml



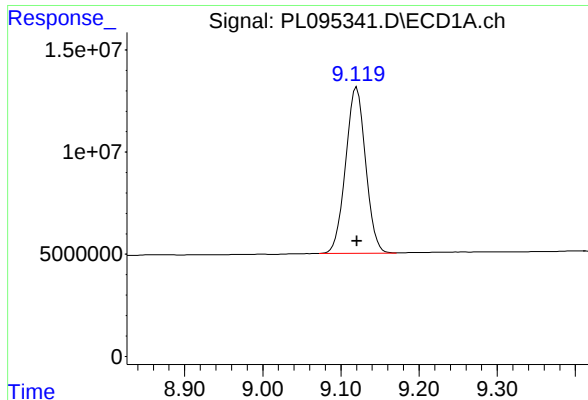
#6 Toxaphene-5

R.T.: 7.974 min
Delta R.T.: 0.000 min
Response: 24549107
Conc: 500.00 ng/ml



#6 Toxaphene-5

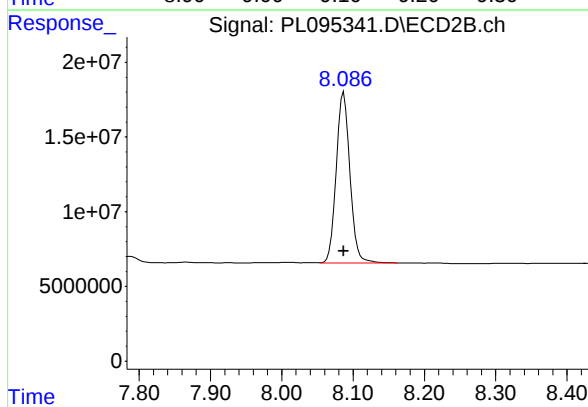
R.T.: 7.211 min
Delta R.T.: 0.000 min
Response: 27736717
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: 0.000 min
Response: 144271987
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 152410533
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 15:13
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL042325

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 15:28:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	154.4E6	154.0E6	47.297	48.427
28) SA Decachlor...	9.120	8.087	130.3E6	142.7E6	47.035	48.231
Target Compounds						
2) A alpha-BHC	4.045	3.415	235.8E6	218.0E6	47.593	49.009
3) MA gamma-BHC...	4.375	3.748	227.3E6	214.4E6	48.011m	48.752
4) MA Heptachlor	4.974	4.103	213.7E6	210.0E6	46.727	48.192
5) MB Aldrin	5.316	4.388	220.0E6	199.9E6	47.889	48.581
6) B beta-BHC	4.562	4.042	94308785	98829555	45.614	47.609
7) B delta-BHC	4.809	4.278	220.8E6	214.8E6	47.481m	49.029
8) B Heptachlo...	5.737	4.891	190.5E6	186.4E6	47.572	48.260
9) A Endosulfan I	6.120	5.264	183.5E6	176.9E6	48.325	48.341
10) B gamma-Chl...	5.991	5.144	194.9E6	193.2E6	47.767	47.668
11) B alpha-Chl...	6.072	5.208	197.5E6	190.6E6	48.568	47.882
12) B 4,4'-DDE	6.241	5.394	188.3E6	193.3E6	48.037	47.532
13) MA Dieldrin	6.394	5.529	186.0E6	193.7E6	48.243	47.616
14) MA Endrin	6.621	5.804	154.5E6	169.0E6	48.521	46.407
15) B Endosulfa...	6.833	6.094	157.6E6	173.0E6	49.361	48.167
16) A 4,4'-DDD	6.751	5.947	140.1E6	158.3E6	49.490	48.446
17) MA 4,4'-DDT	7.066	6.201	136.1E6	160.2E6	47.766	46.611
18) B Endrin al...	6.962	6.272	111.9E6	125.2E6	48.203	47.895
19) B Endosulfa...	7.195	6.496	134.2E6	159.2E6	47.903	47.991
20) A Methoxychlor	7.538	6.772	65789961	87833349	47.157	46.048
21) B Endrin ke...	7.677	7.002	138.2E6	175.4E6	48.469	49.801
22) Mirex	8.158	7.197	113.5E6	137.9E6	47.769	47.828m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL042325

Manual Integrations

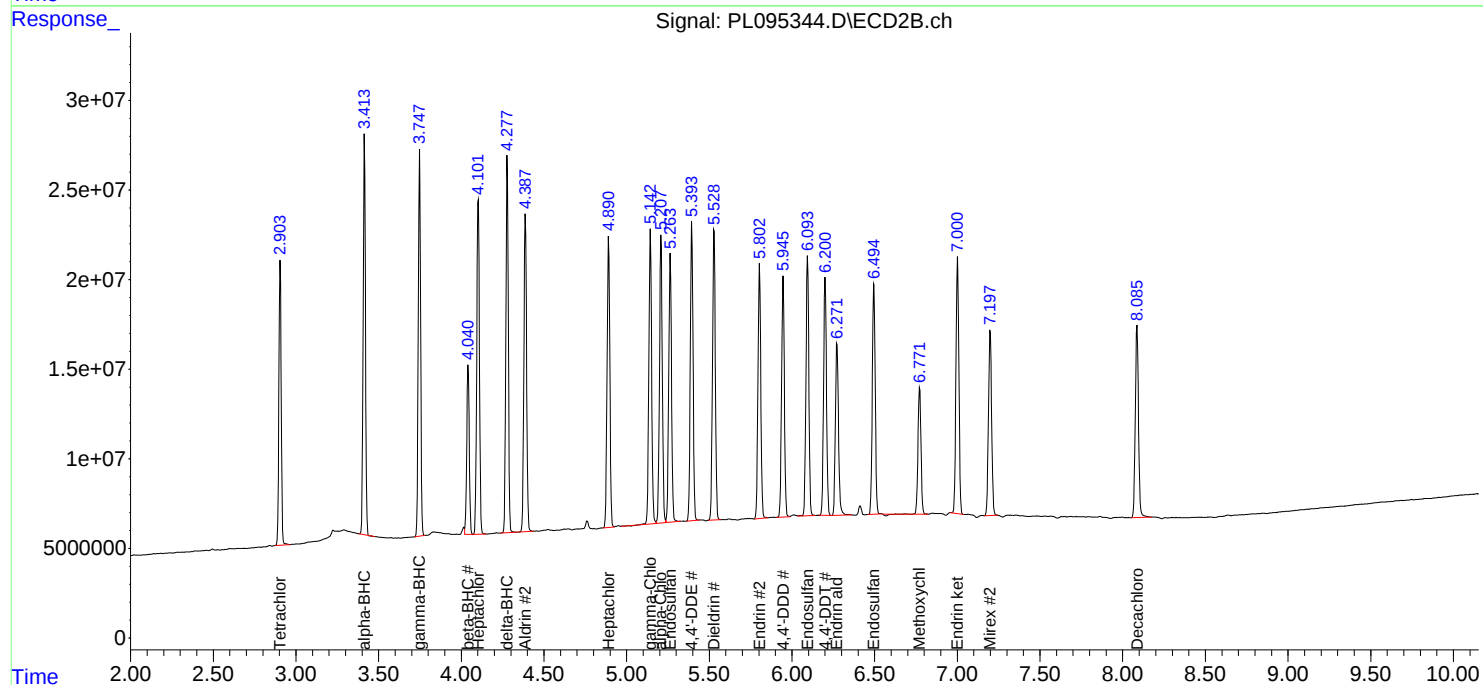
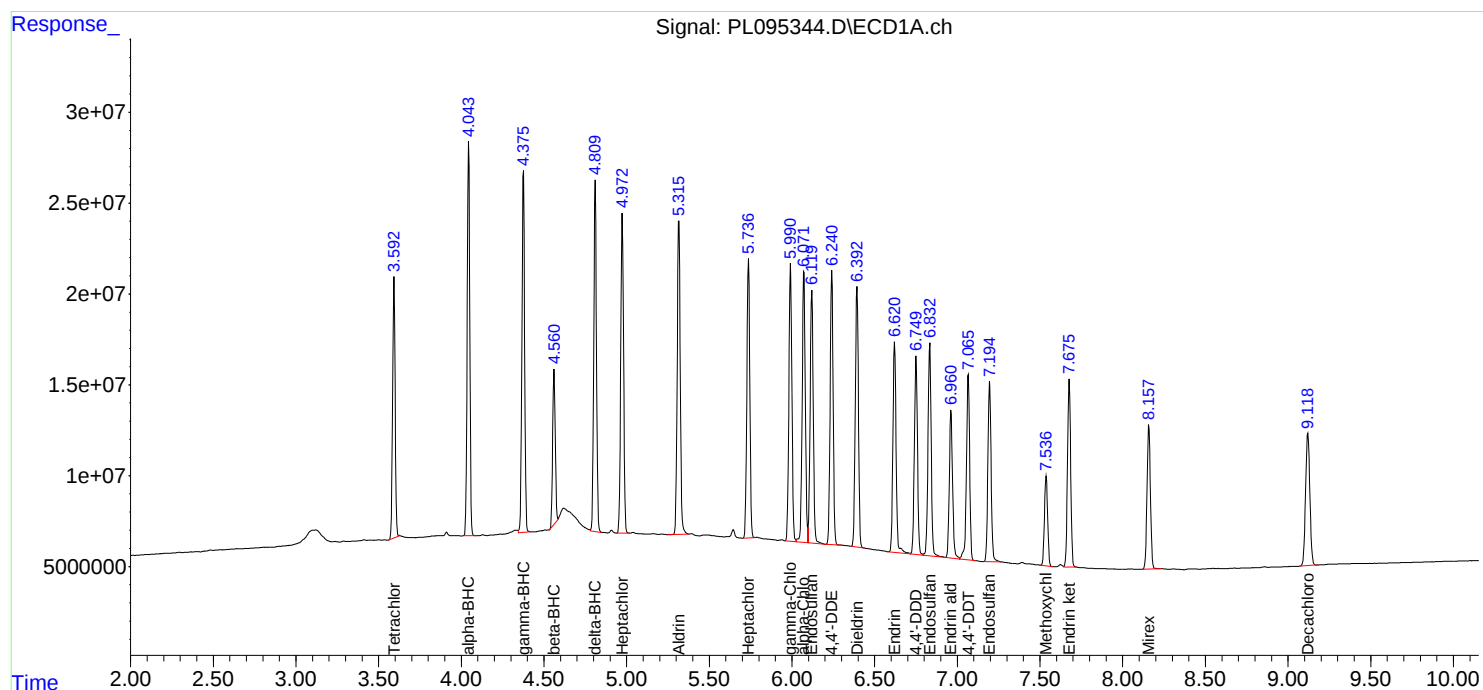
APPROVED

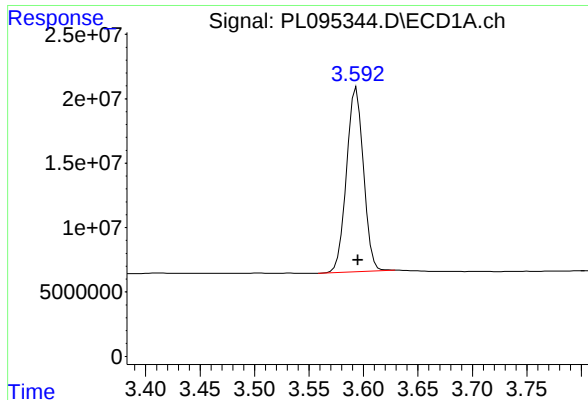
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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





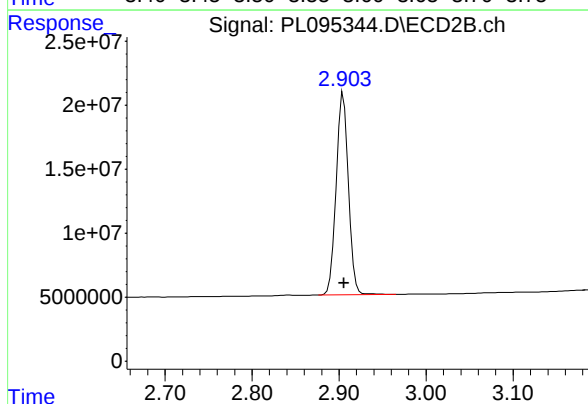
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 154410740
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

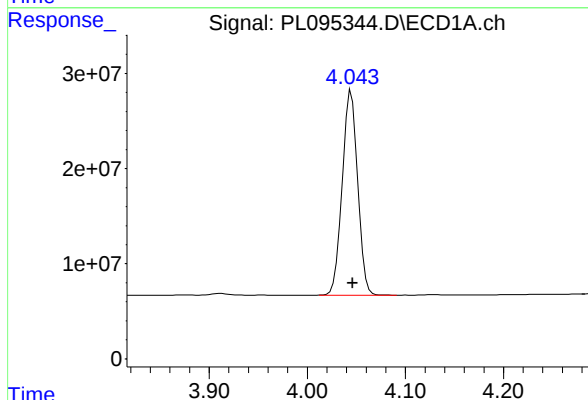
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



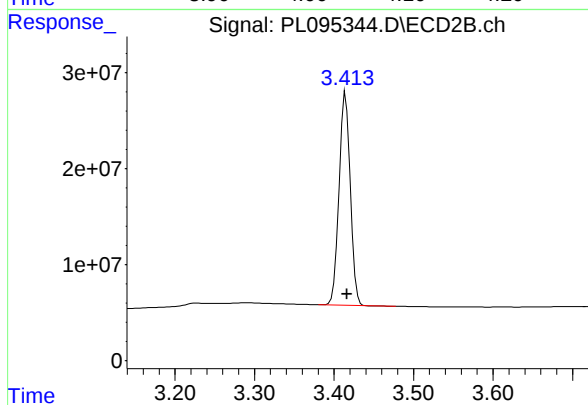
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 153984476
Conc: 48.43 ng/ml



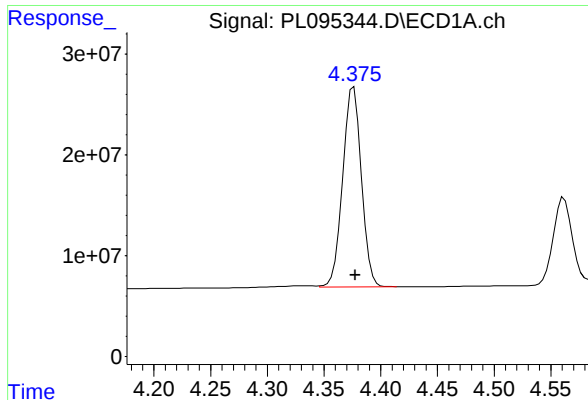
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 235765041
Conc: 47.59 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 218028468
Conc: 49.01 ng/ml



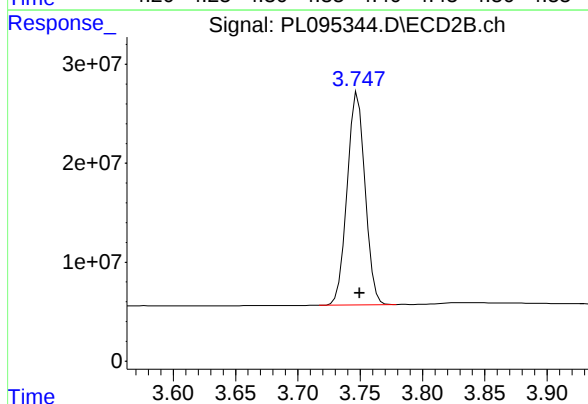
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 227284929
Conc: 48.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

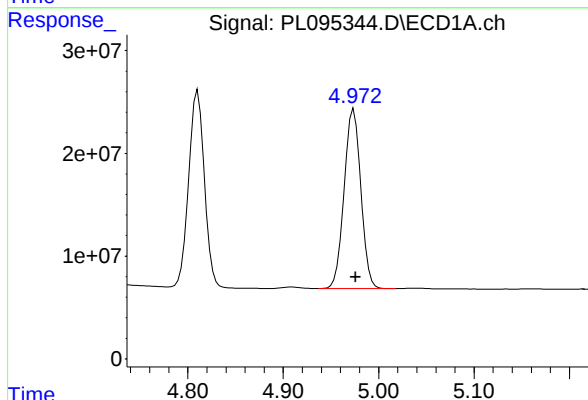
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



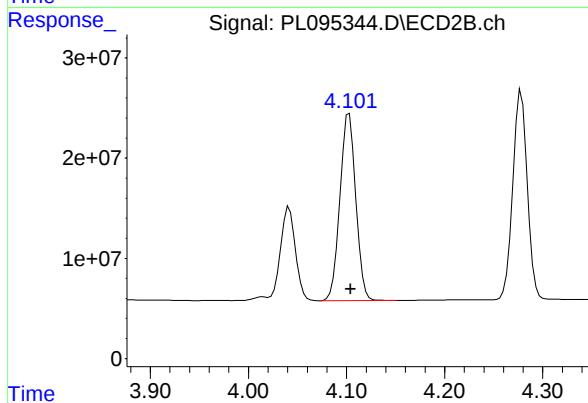
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 214423481
Conc: 48.75 ng/ml



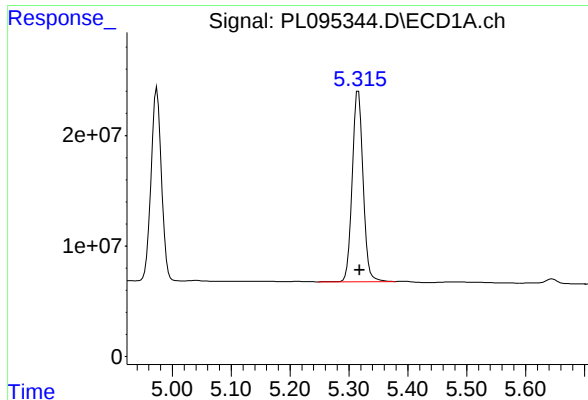
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 213749633
Conc: 46.73 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 209958357
Conc: 48.19 ng/ml



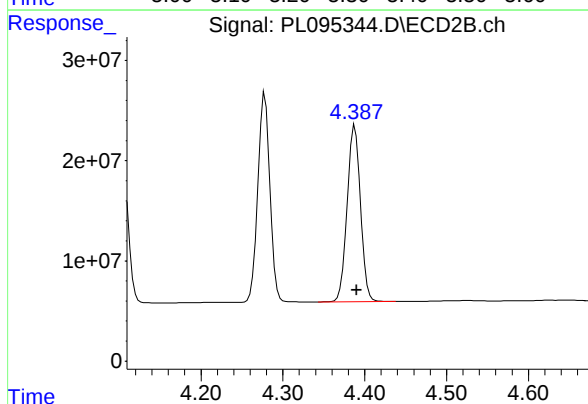
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 219953420
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

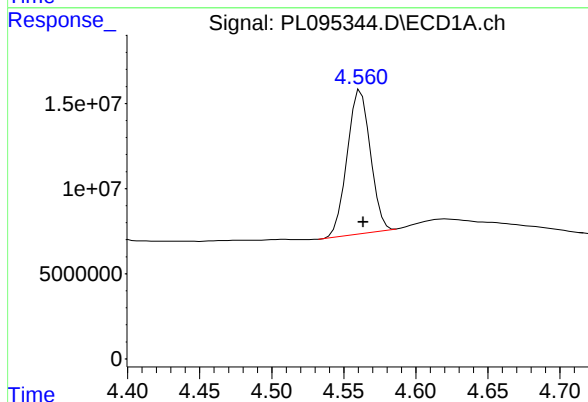
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



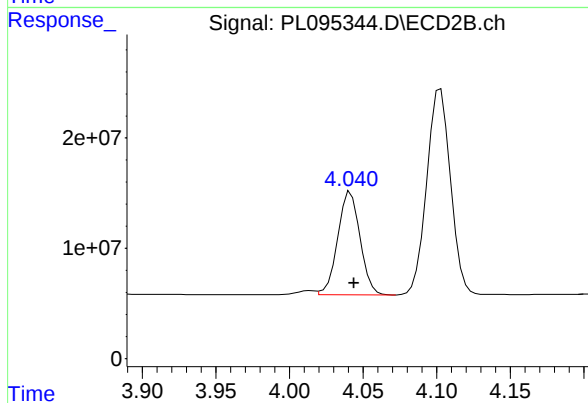
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 199944618
Conc: 48.58 ng/ml



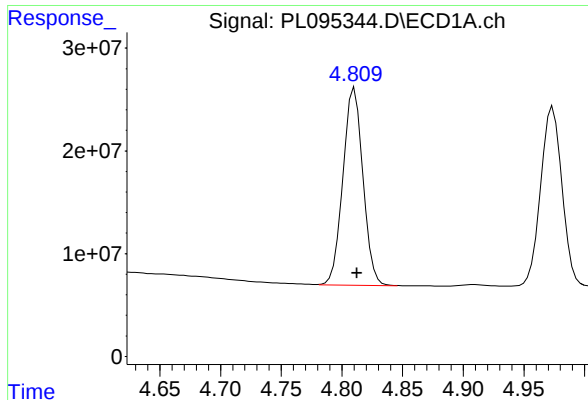
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 94308785
Conc: 45.61 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 98829555
Conc: 47.61 ng/ml



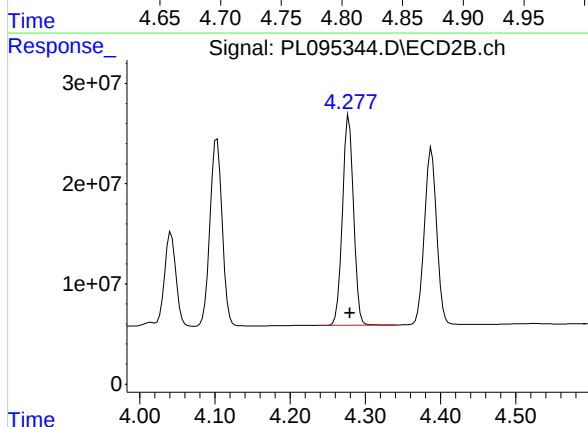
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.003 min
Response: 220818379
Conc: 47.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

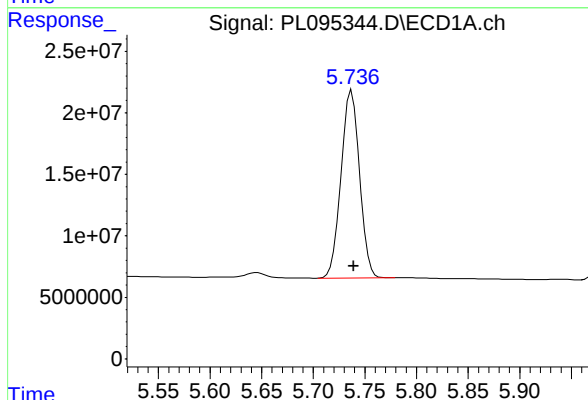
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



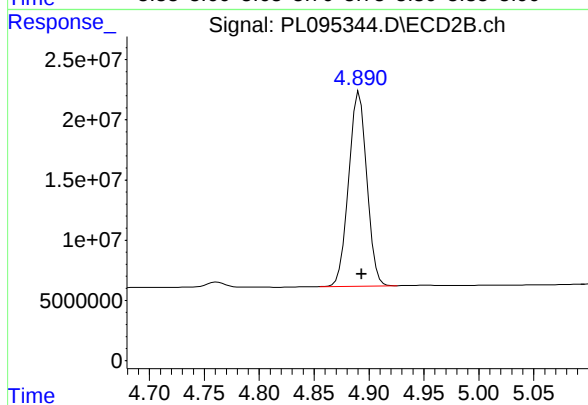
#7 delta-BHC

R.T.: 4.278 min
Delta R.T.: -0.002 min
Response: 214844463
Conc: 49.03 ng/ml



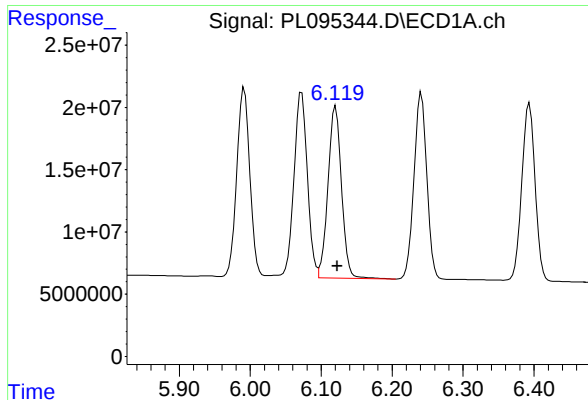
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 190534412
Conc: 47.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 186412845
Conc: 48.26 ng/ml



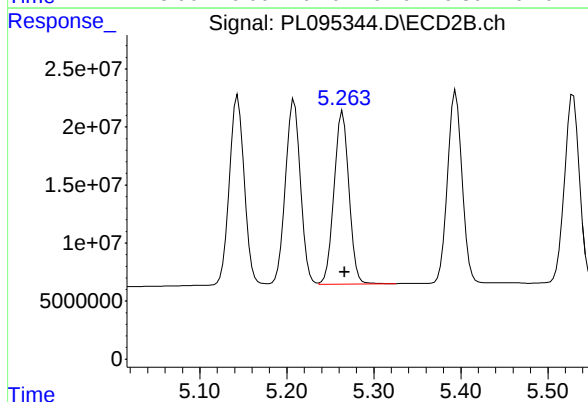
#9 Endosulfan I

R.T.: 6.120 min
Delta R.T.: -0.002 min
Response: 183513483
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

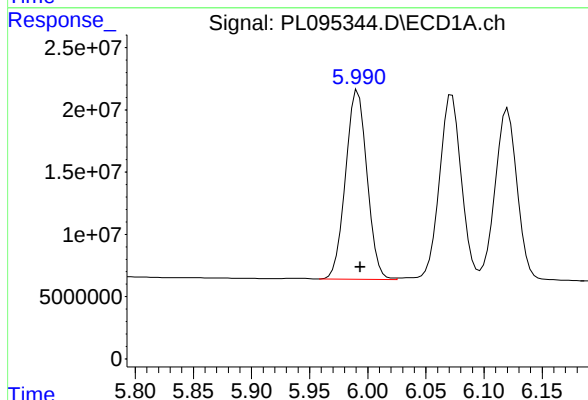
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



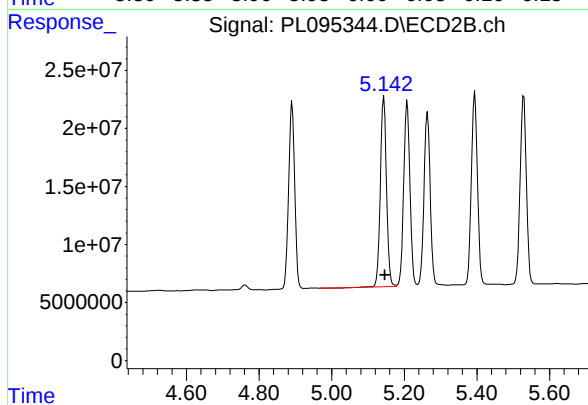
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 176948243
Conc: 48.34 ng/ml



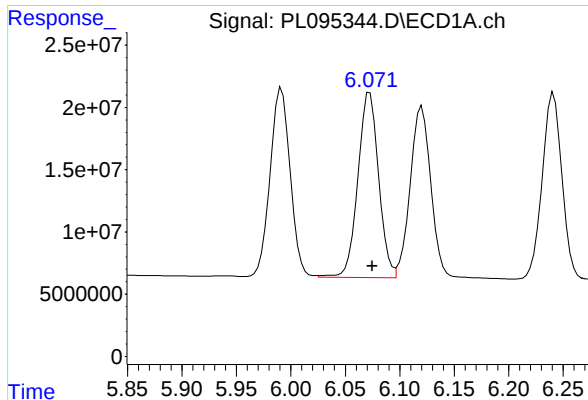
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.002 min
Response: 194858822
Conc: 47.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 193183867
Conc: 47.67 ng/ml



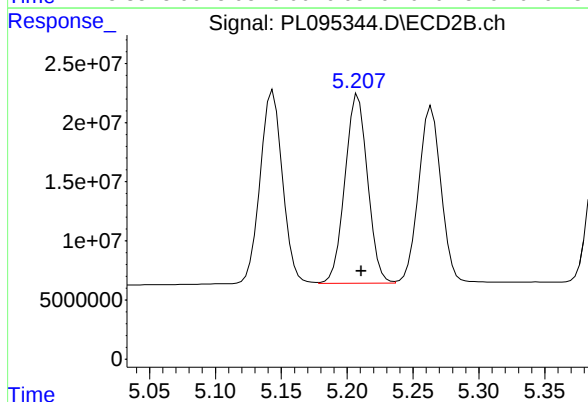
#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 197480130
Conc: 48.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

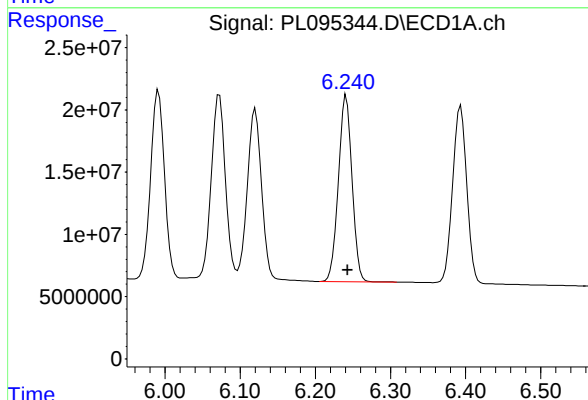
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



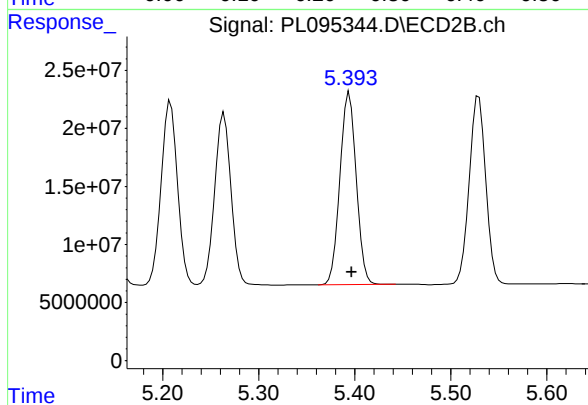
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 190622092
Conc: 47.88 ng/ml



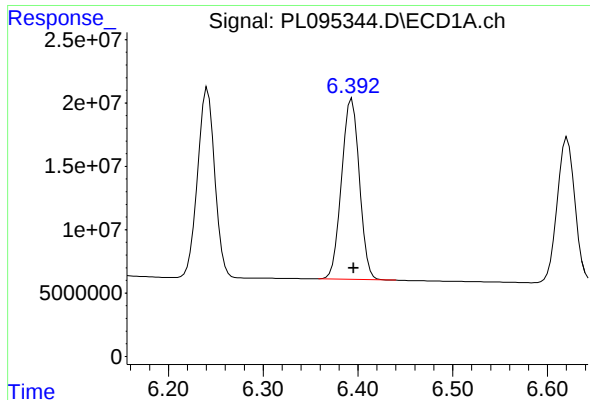
#12 4,4'-DDE

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 188330868
Conc: 48.04 ng/ml



#12 4,4'-DDE

R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 193310380
Conc: 47.53 ng/ml



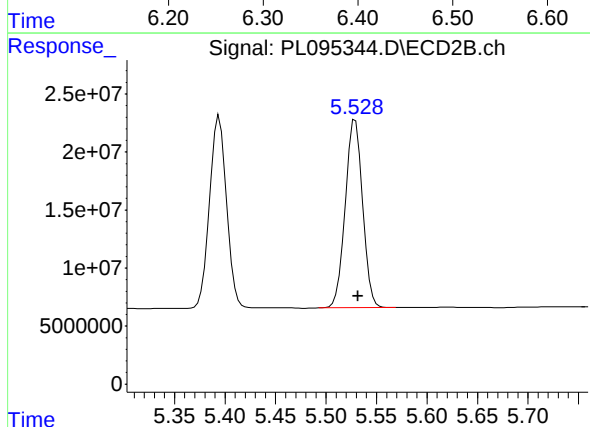
#13 Dieldrin

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 185966480
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

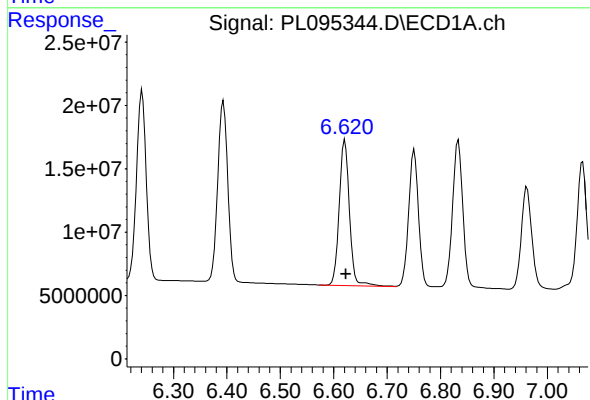
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



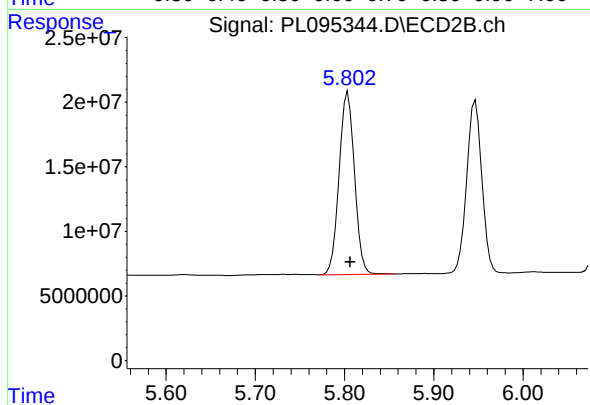
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 193657038
Conc: 47.62 ng/ml



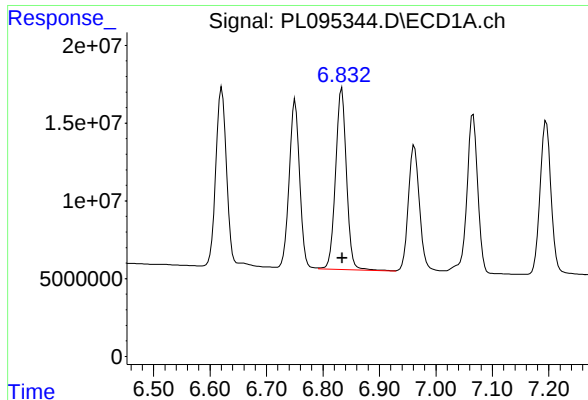
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 154528451
Conc: 48.52 ng/ml



#14 Endrin

R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 168955840
Conc: 46.41 ng/ml



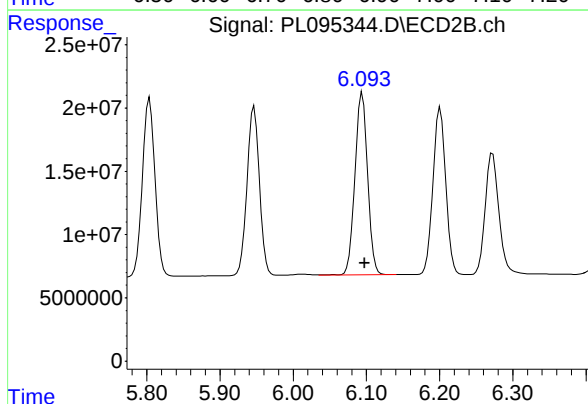
#15 Endosulfan II

R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 157567449
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

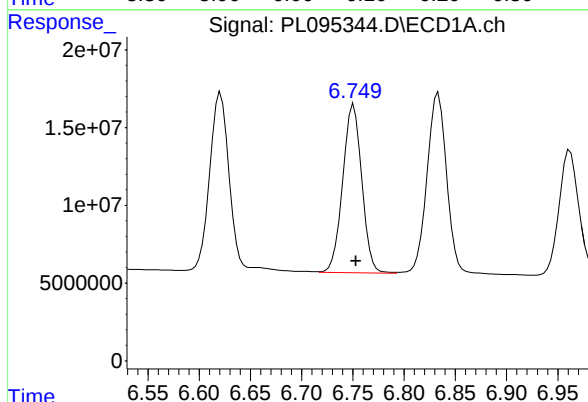
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



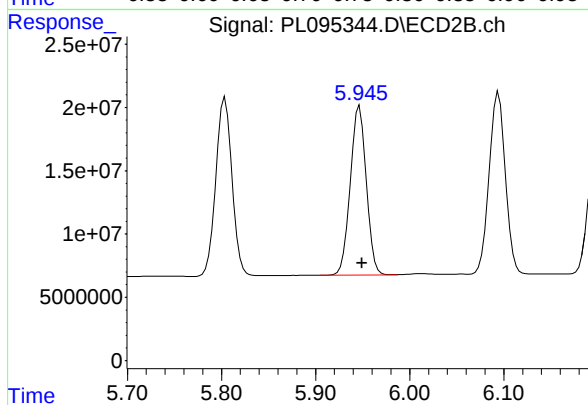
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172973782
Conc: 48.17 ng/ml



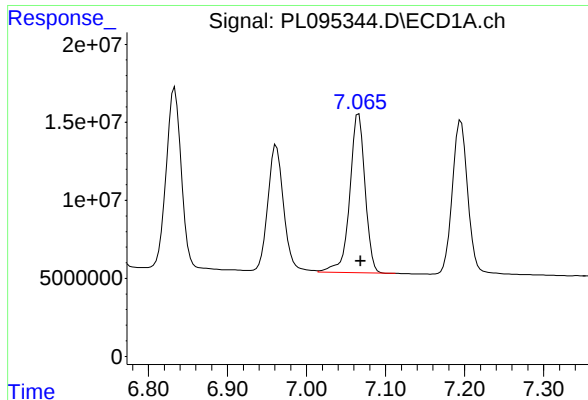
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 140103814
Conc: 49.49 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 158264661
Conc: 48.45 ng/ml



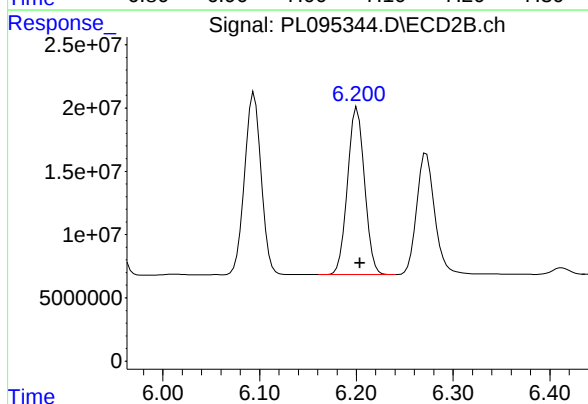
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 136066041
Conc: 47.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

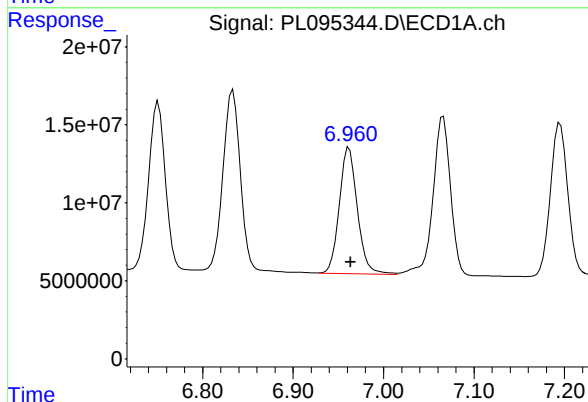
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



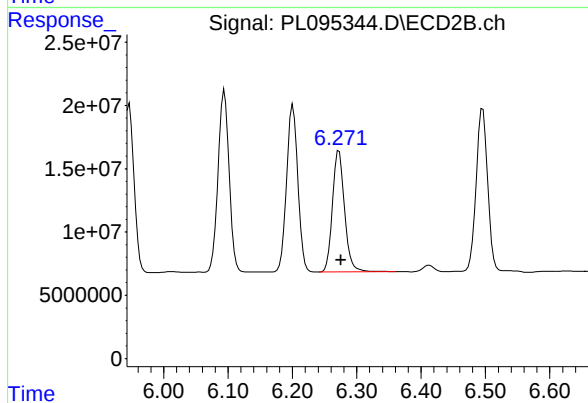
#17 4,4'-DDT

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 160165180
Conc: 46.61 ng/ml



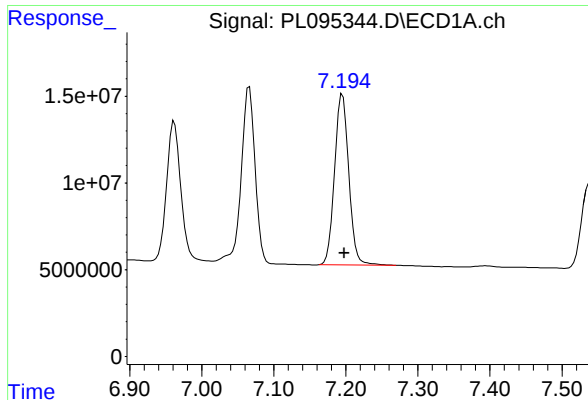
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: -0.002 min
Response: 111869443
Conc: 48.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 125158099
Conc: 47.90 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 134214631
Conc: 47.90 ng/ml

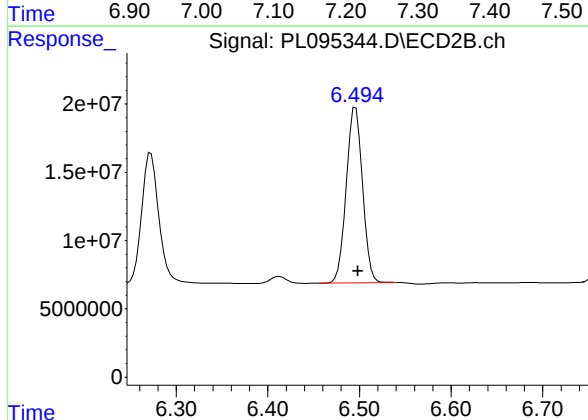
Instrument :

ECD_L

ClientSampleId :
ICVPL042325

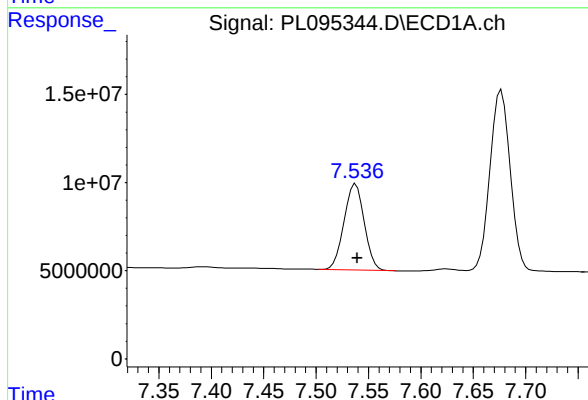
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



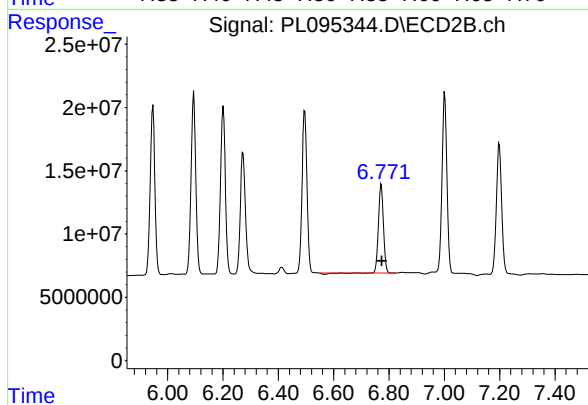
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.003 min
Response: 159229468
Conc: 47.99 ng/ml



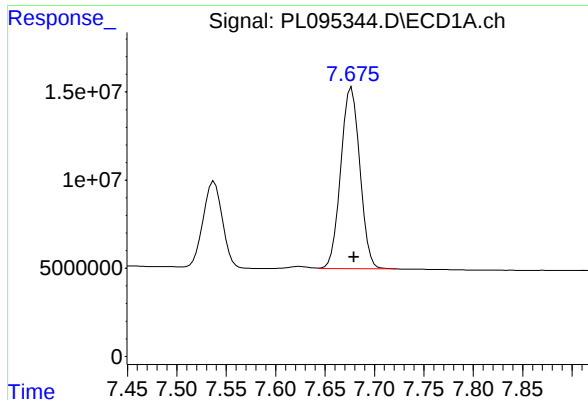
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 65789961
Conc: 47.16 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 87833349
Conc: 46.05 ng/ml



#21 Endrin ketone

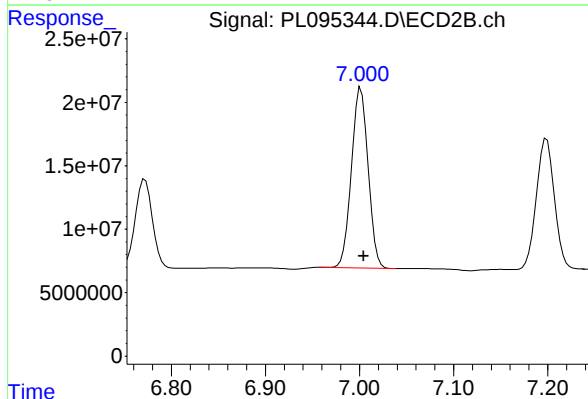
R.T.: 7.677 min
Delta R.T.: -0.002 min
Response: 138179720
Conc: 48.47 ng/ml

Instrument :

ECD_L

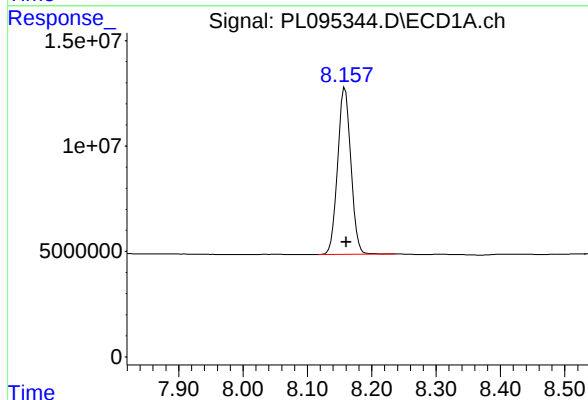
ClientSampleId :
ICVPL042325Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



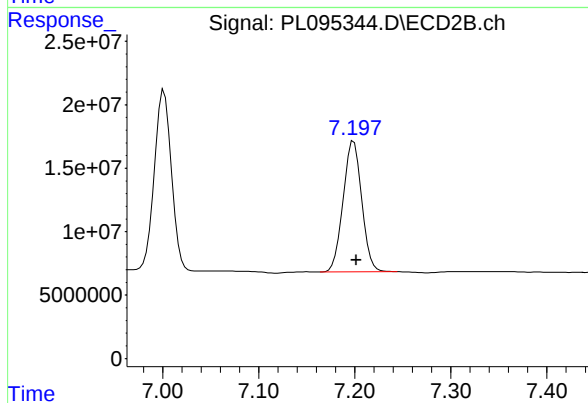
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 175365566
Conc: 49.80 ng/ml



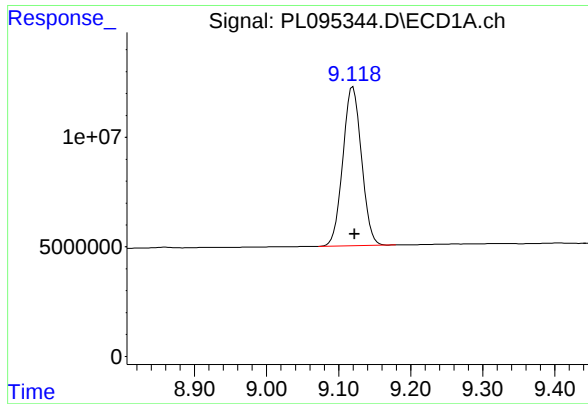
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.002 min
Response: 113501621
Conc: 47.77 ng/ml



#22 Mirex

R.T.: 7.197 min
Delta R.T.: -0.004 min
Response: 137859647
Conc: 47.83 ng/ml m



#28 Decachlorobiphenyl

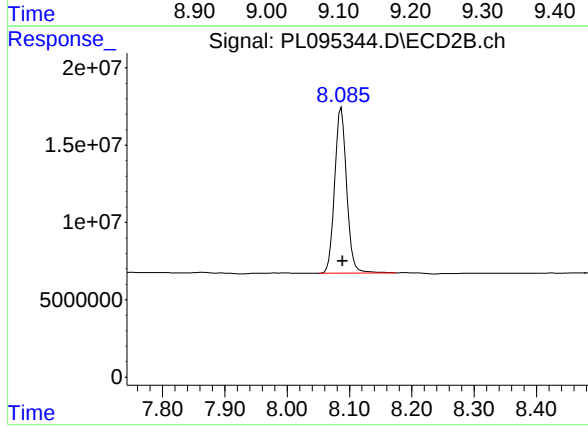
ICAL Form

R.T.: 9.120 min
Delta R.T.: -0.002 min
Response: 130326216
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: -0.003 min
Response: 142727631
Conc: 48.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:10
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 16:21:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:20:24 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...	3.596	2.903	152.6E6	190.2E6	46.904	48.196
28) SA Decachlor...	9.123	8.086	128.6E6	137.5E6	46.543	46.958
Target Compounds						
23) Chlordane-1	4.762	3.923	91188494	73325625	466.422	474.178
24) Chlordane-2	5.287	4.505	99993513	86645710	472.301	470.827
25) Chlordane-3	5.994	5.143	372.5E6	248.5E6	478.250	480.953
26) Chlordane-4	6.079	5.207	452.8E6	208.8E6	480.167	480.372
27) Chlordane-5	6.919	6.103	72166294	87351531	476.072	472.838

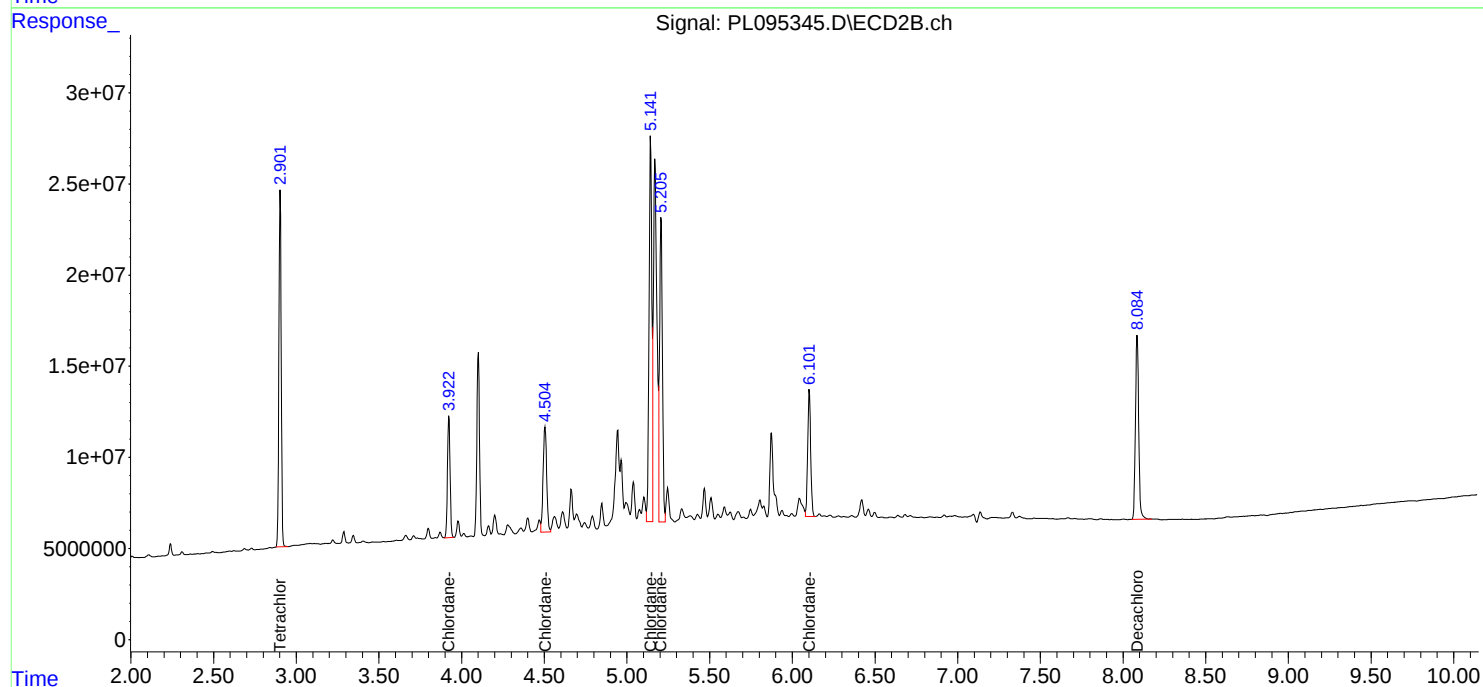
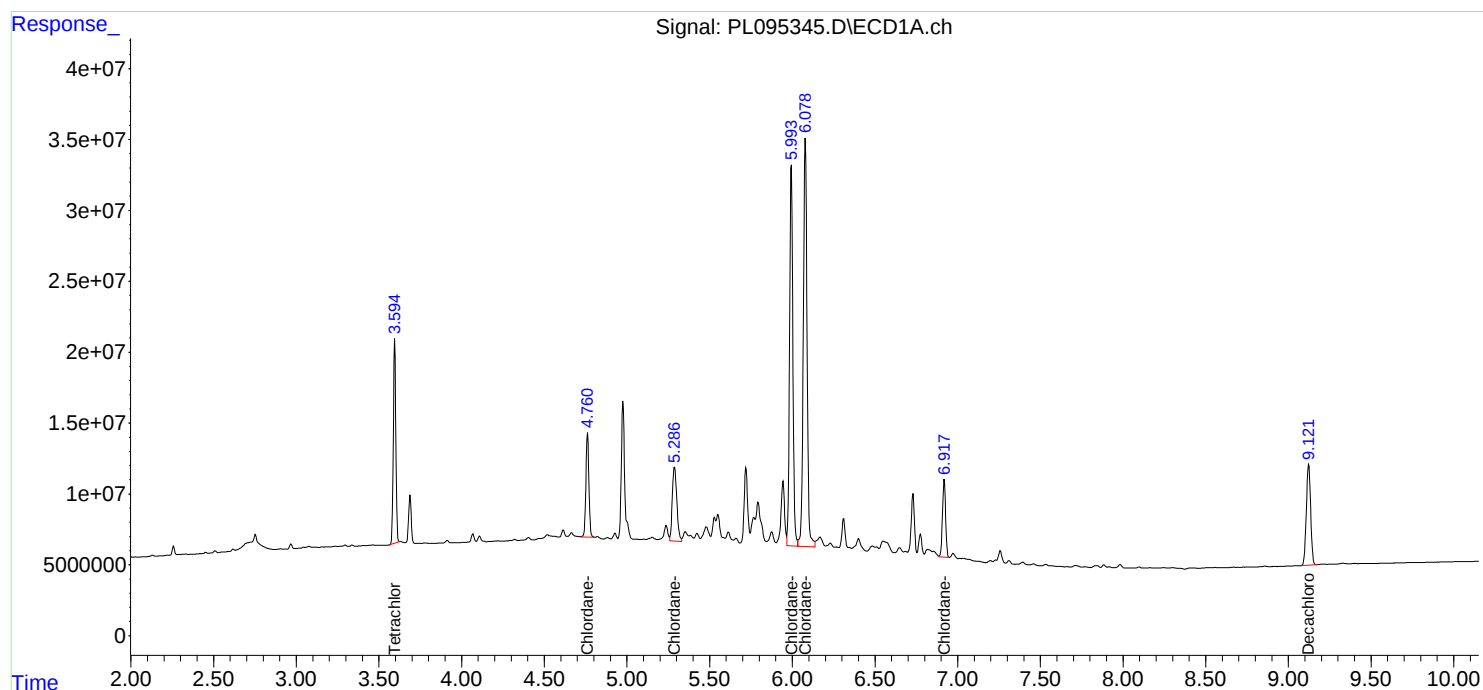
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

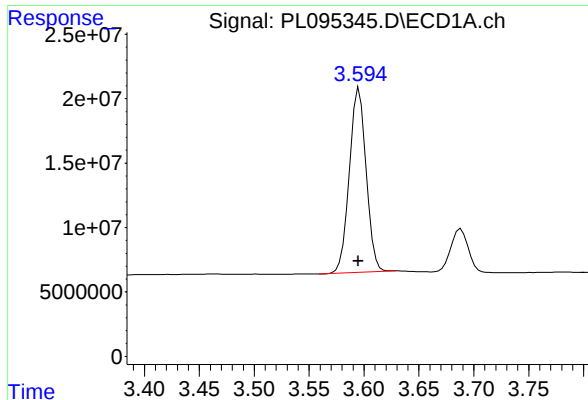
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:10
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:21:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:20:24 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

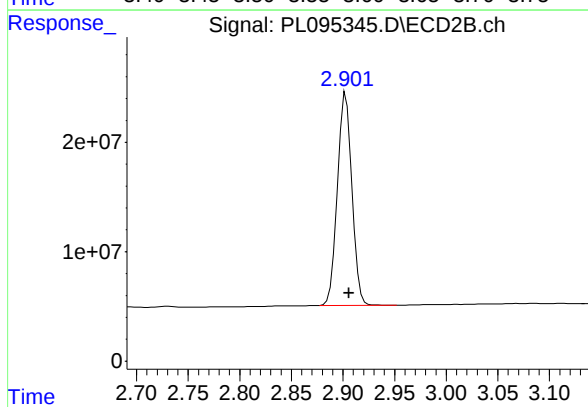




#1 Tetrachloro-m-xylene

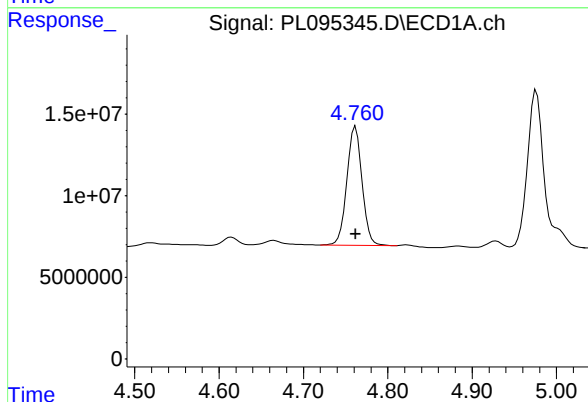
R.T.: 3.596 min
Delta R.T.: 0.000 min
Response: 152581881
Conc: 46.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



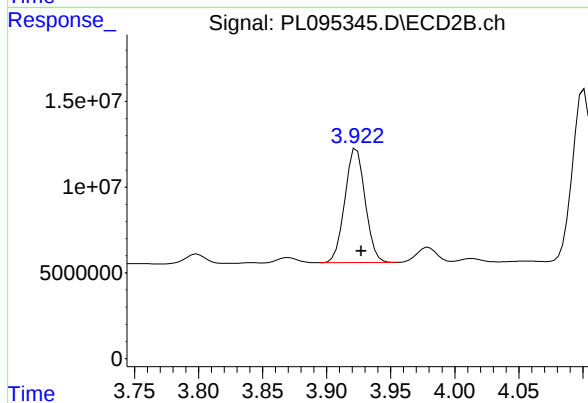
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.003 min
Response: 190242032
Conc: 48.20 ng/ml



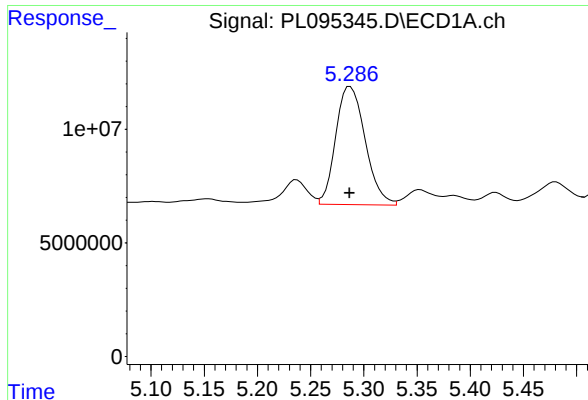
#23 Chlordane-1

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 91188494
Conc: 466.42 ng/ml



#23 Chlordane-1

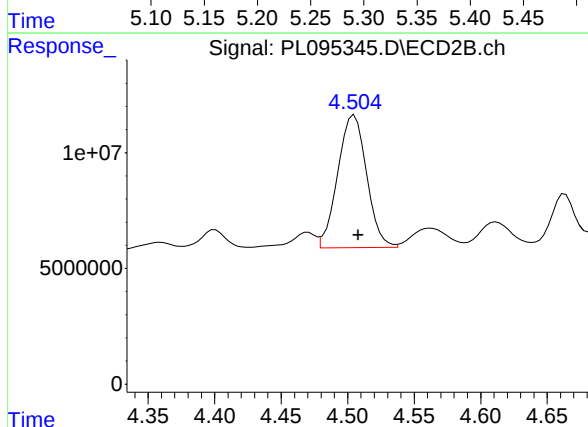
R.T.: 3.923 min
Delta R.T.: -0.004 min
Response: 73325625
Conc: 474.18 ng/ml



#24 Chlordane-2

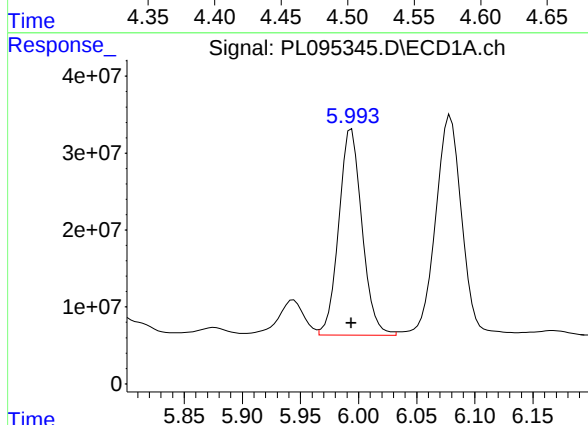
R.T.: 5.287 min
Delta R.T.: 0.000 min
Response: 99993513
Conc: 472.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



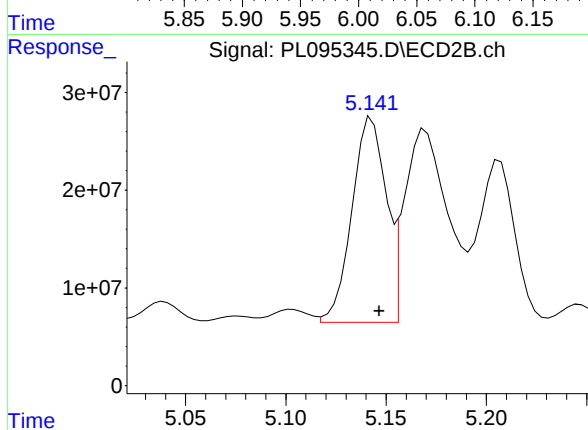
#24 Chlordane-2

R.T.: 4.505 min
Delta R.T.: -0.003 min
Response: 86645710
Conc: 470.83 ng/ml



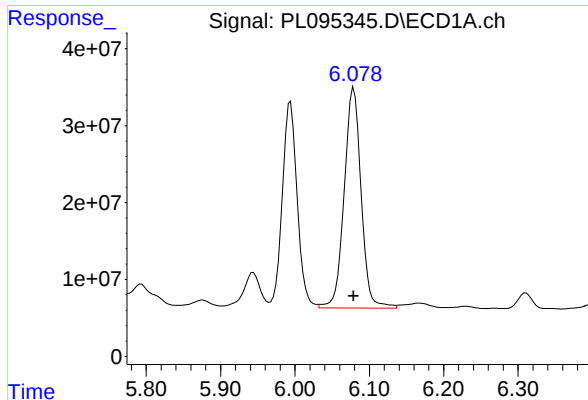
#25 Chlordane-3

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 372521270
Conc: 478.25 ng/ml



#25 Chlordane-3

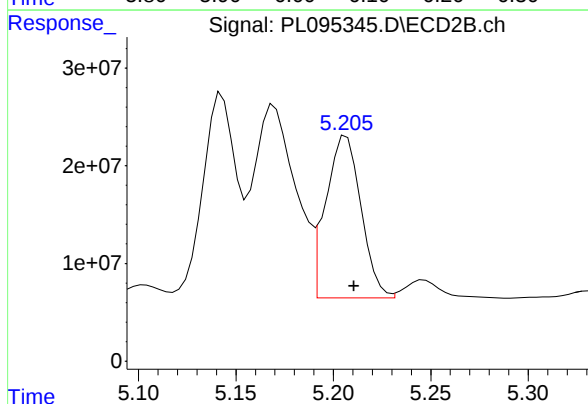
R.T.: 5.143 min
Delta R.T.: -0.004 min
Response: 248470862
Conc: 480.95 ng/ml



#26 Chlordane-4

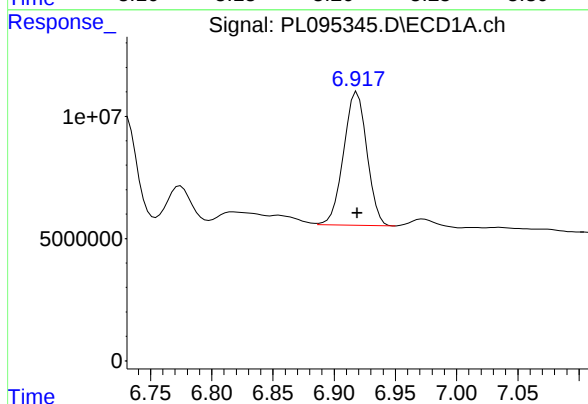
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 452763722
Conc: 480.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



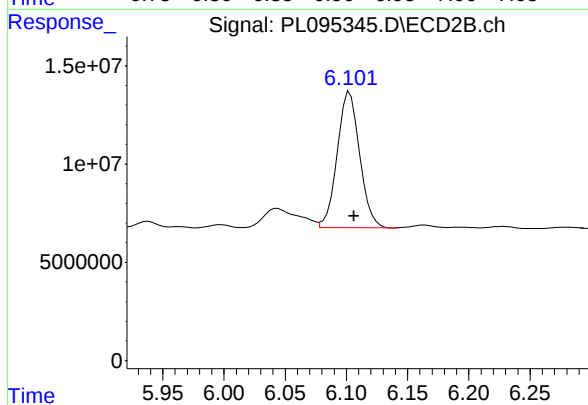
#26 Chlordane-4

R.T.: 5.207 min
Delta R.T.: -0.004 min
Response: 208775465
Conc: 480.37 ng/ml



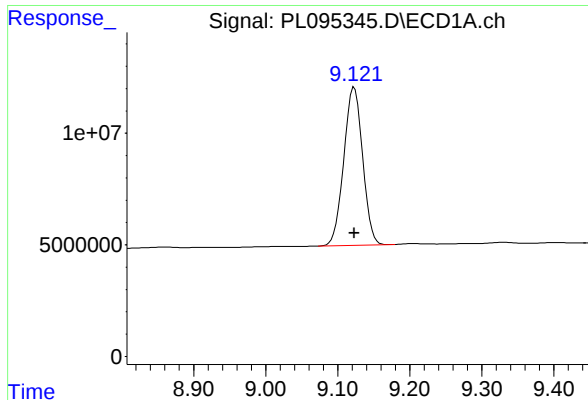
#27 Chlordane-5

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 72166294
Conc: 476.07 ng/ml



#27 Chlordane-5

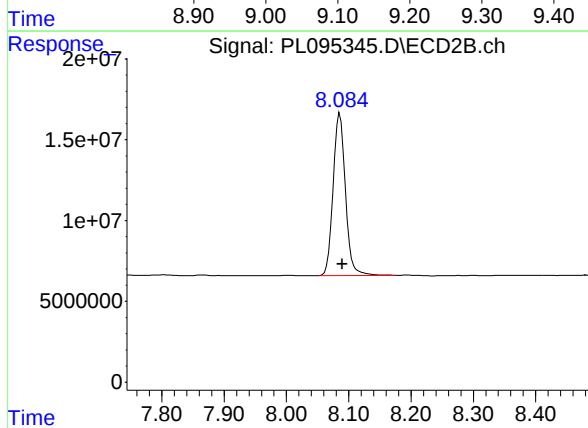
R.T.: 6.103 min
Delta R.T.: -0.003 min
Response: 87351531
Conc: 472.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 128627322
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.004 min
Response: 137498660
Conc: 46.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095346.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:24
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 16:36:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.593	2.904	175.0E6	172.3E6	53.598	54.186
28)	SA Decachlor...	9.120	8.086	148.2E6	156.4E6	53.491	52.867
Target Compounds							
10)	B gamma-Chl...	0.000	5.164f	0	12806257	N.D.	3.160 #
13)	MA Dieldrin	6.425f	0.000	3967075	0	1.029	N.D. #
14)	MA Endrin	6.594f	0.000	18777861	0	5.896	N.D. #
15)	B Endosulfa...	6.853f	6.093	13207389	14589555	4.137	4.063
16)	A 4,4'-DDD	0.000	5.968f	0	6419026	N.D.	1.965 #
17)	MA 4,4'-DDT	0.000	6.209	0	7493461	N.D.	2.181 #
18)	B Endrin al...	6.975	6.249f	4872365	11819263	2.099	4.523 #
19)	B Endosulfa...	7.194	6.503	31364239	2407823	11.194	0.726 #
20)	A Methoxychlor	0.000	6.769	0	48316325	N.D.	25.331 #
21)	B Endrin ke...	7.662f	0.000	20669859	0	7.250	N.D. #
22)	Mirex	0.000	7.209	0	34826728	N.D.	12.083 #
25)	Chlordane-3	0.000	5.164f	0	12806257	N.D.	24.788 #
27)	Chlordane-5	6.899f	6.093	24624356	14589555	162.444	78.974 #

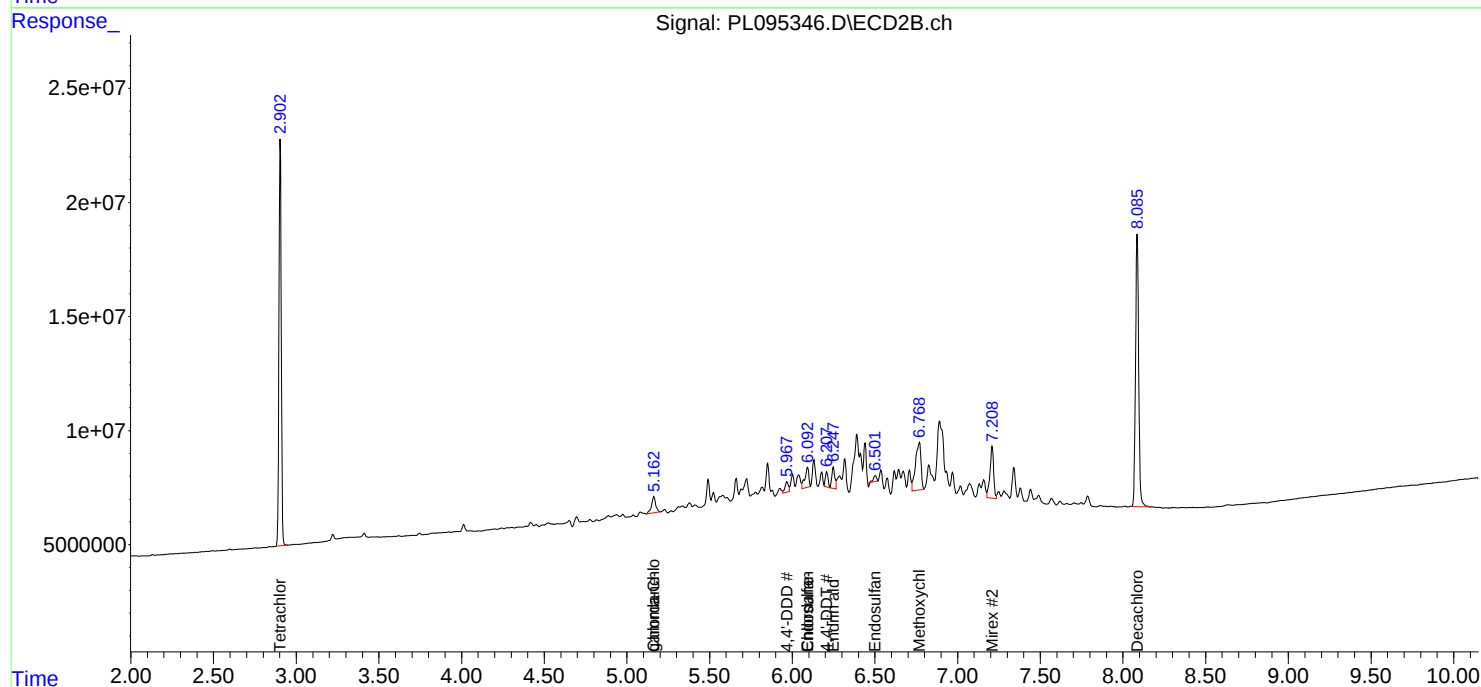
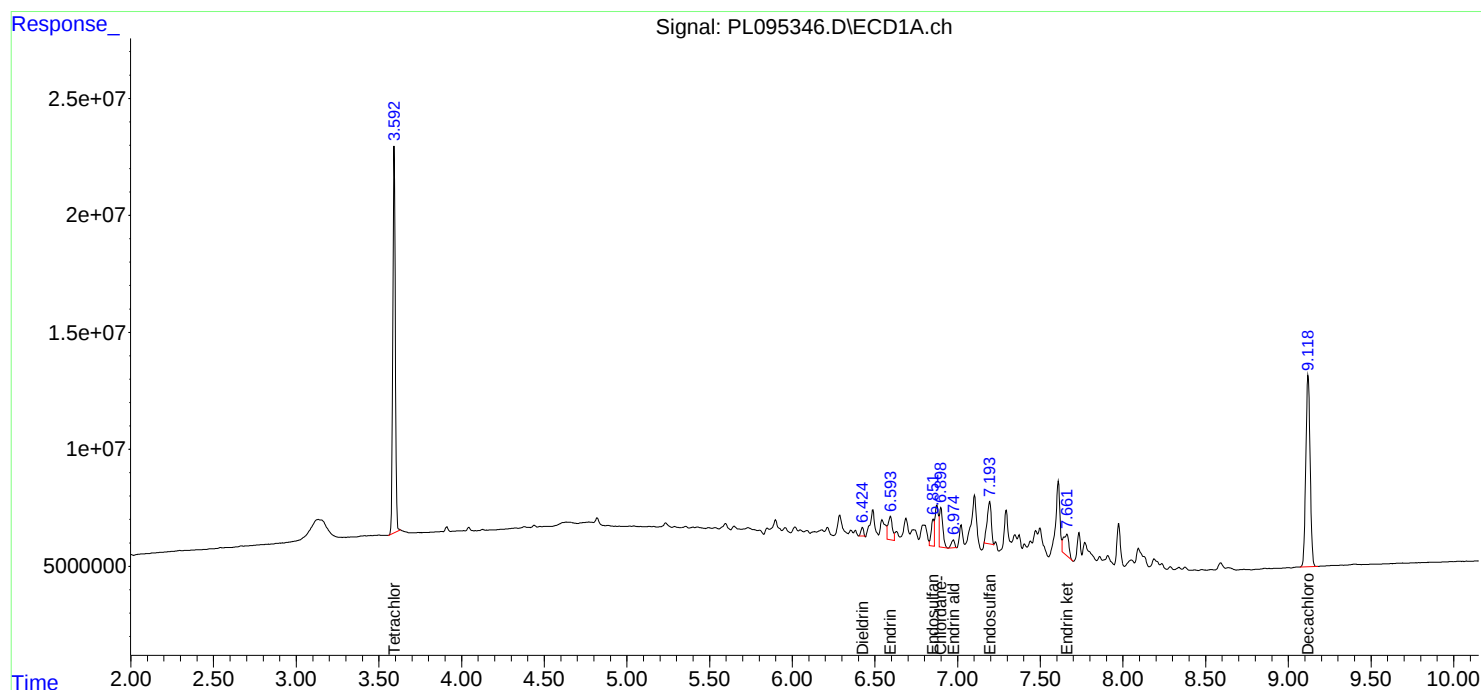
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

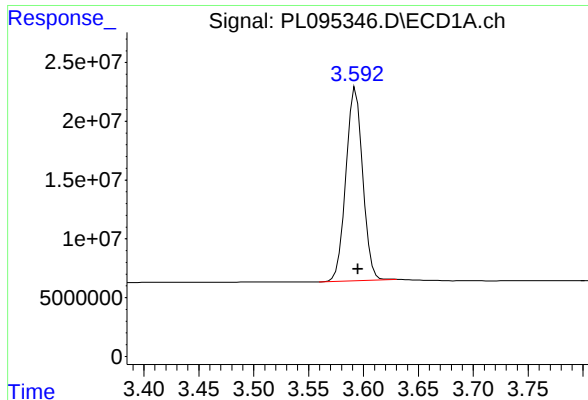
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:24
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

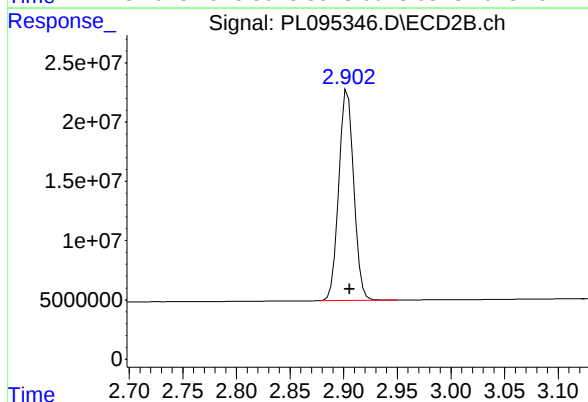




#1 Tetrachloro-m-xylene

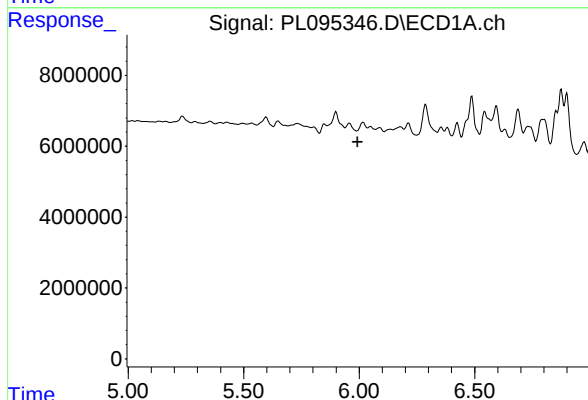
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 174979230
Conc: 53.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



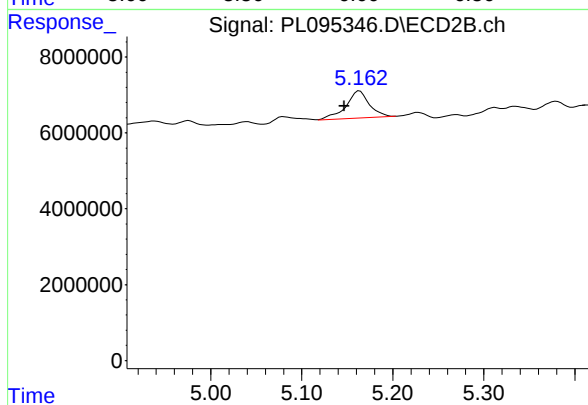
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 172297894
Conc: 54.19 ng/ml



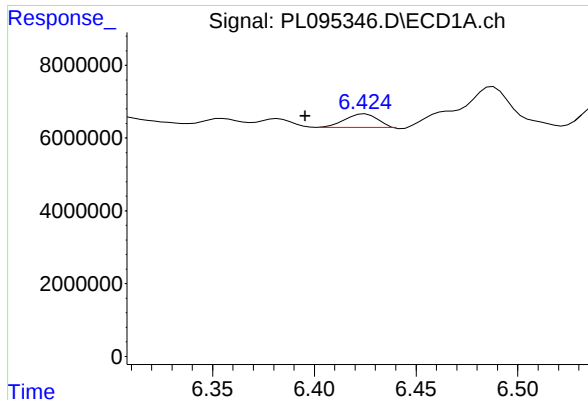
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.994 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

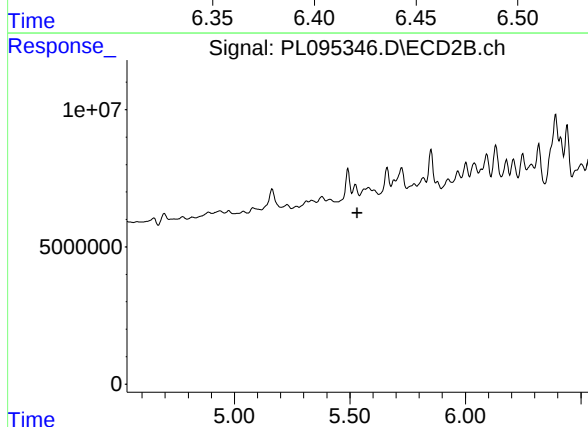
R.T.: 5.164 min
Delta R.T.: 0.017 min
Response: 12806257
Conc: 3.16 ng/ml



#13 Dieldrin

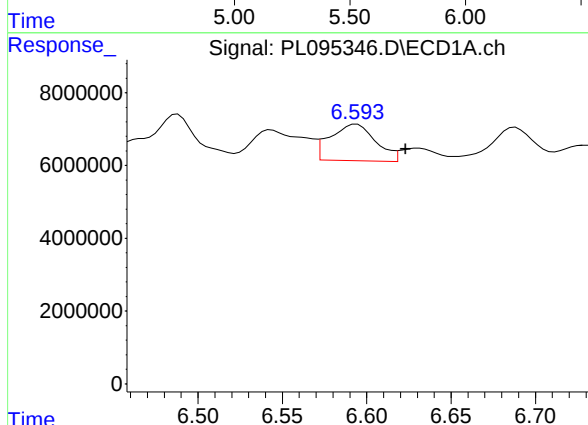
R.T.: 6.425 min
Delta R.T.: 0.029 min
Response: 3967075
Conc: 1.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



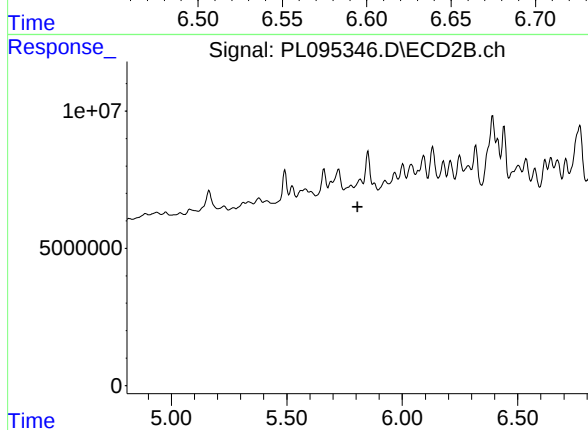
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 5.532 min
Response: 0
Conc: N.D.



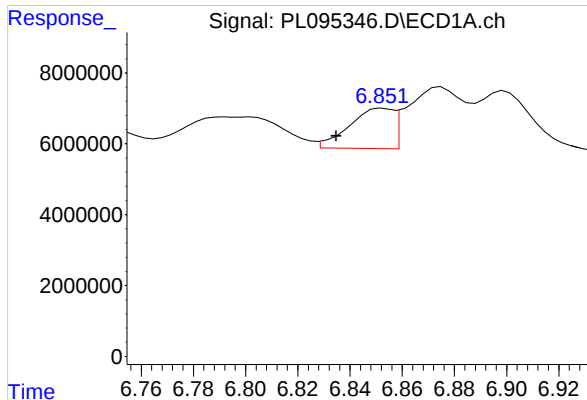
#14 Endrin

R.T.: 6.594 min
Delta R.T.: -0.029 min
Response: 18777861
Conc: 5.90 ng/ml



#14 Endrin

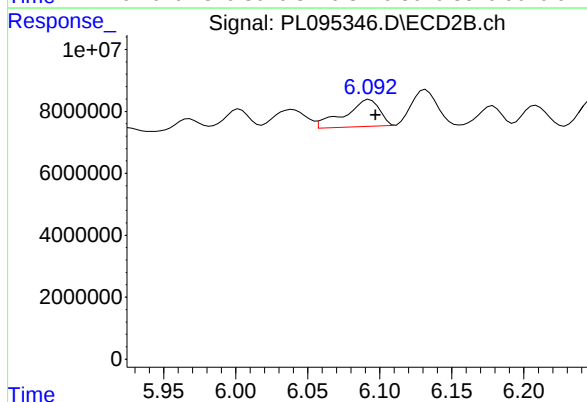
R.T.: 0.000 min
Exp R.T.: 5.807 min
Response: 0
Conc: N.D.



#15 Endosulfan II

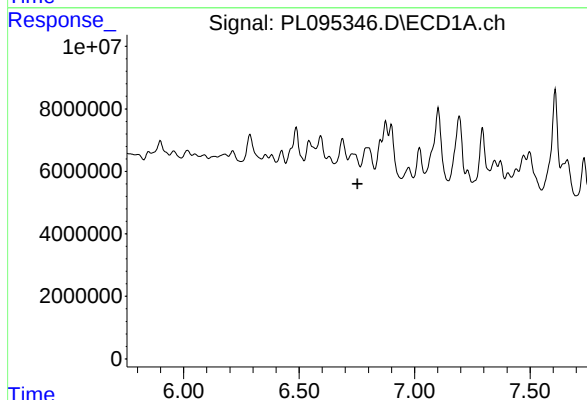
R.T.: 6.853 min
Delta R.T.: 0.018 min
Response: 13207389
Conc: 4.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



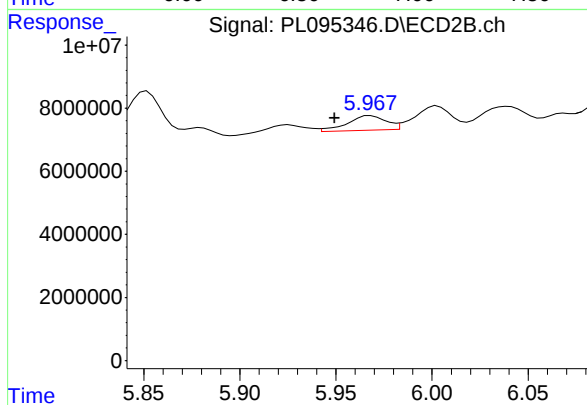
#15 Endosulfan II

R.T.: 6.093 min
Delta R.T.: -0.004 min
Response: 14589555
Conc: 4.06 ng/ml



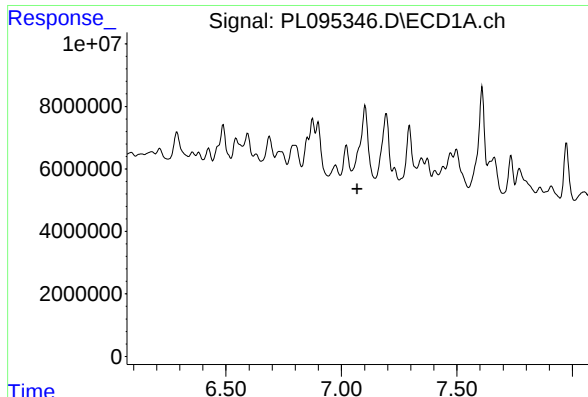
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T.: 6.753 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

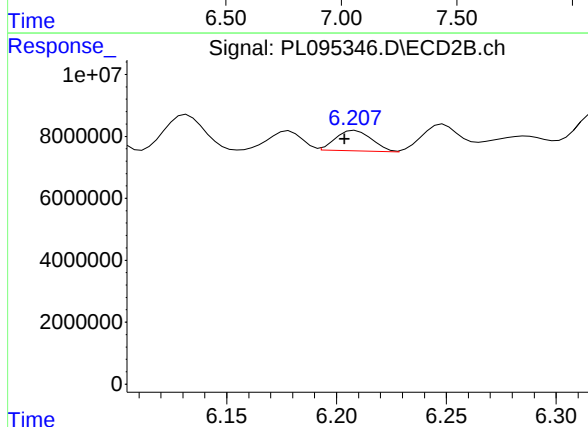
R.T.: 5.968 min
Delta R.T.: 0.019 min
Response: 6419026
Conc: 1.96 ng/ml



#17 4,4'-DDT

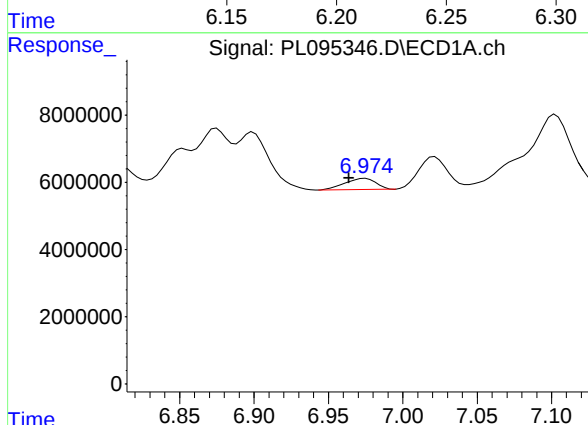
R.T.: 0.000 min
Exp R.T.: 7.069 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



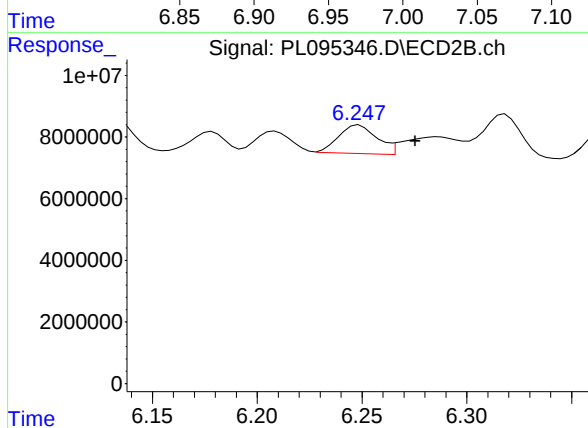
#17 4,4'-DDT

R.T.: 6.209 min
Delta R.T.: 0.005 min
Response: 7493461
Conc: 2.18 ng/ml



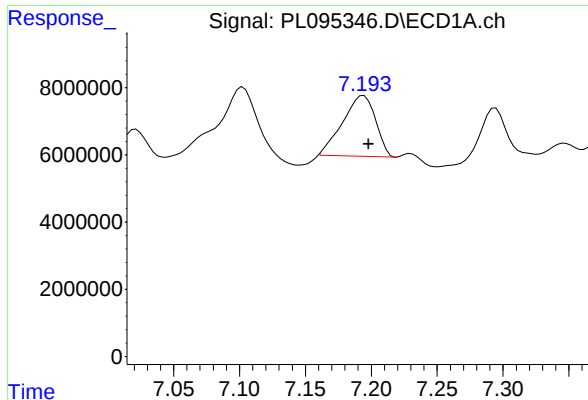
#18 Endrin aldehyde

R.T.: 6.975 min
Delta R.T.: 0.011 min
Response: 4872365
Conc: 2.10 ng/ml



#18 Endrin aldehyde

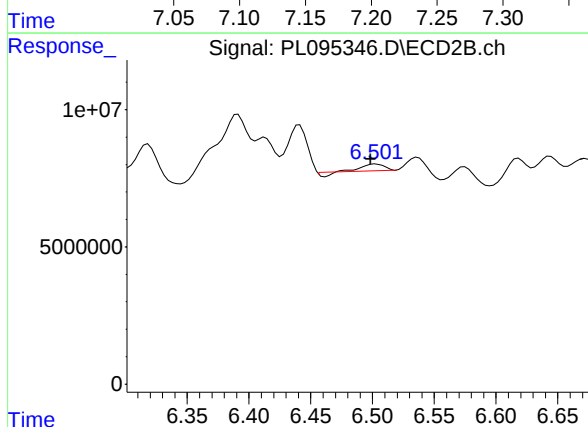
R.T.: 6.249 min
Delta R.T.: -0.027 min
Response: 11819263
Conc: 4.52 ng/ml



#19 Endosulfan Sulfate

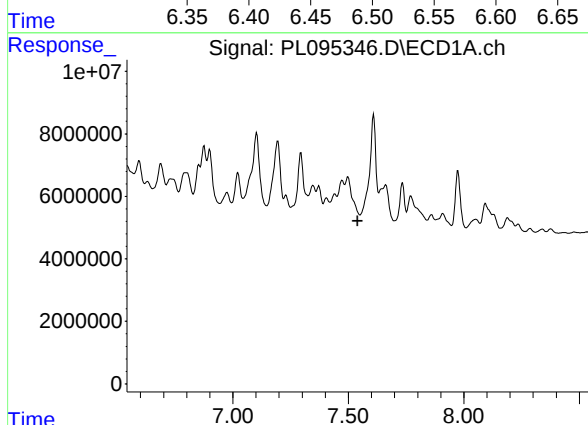
R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 31364239
Conc: 11.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



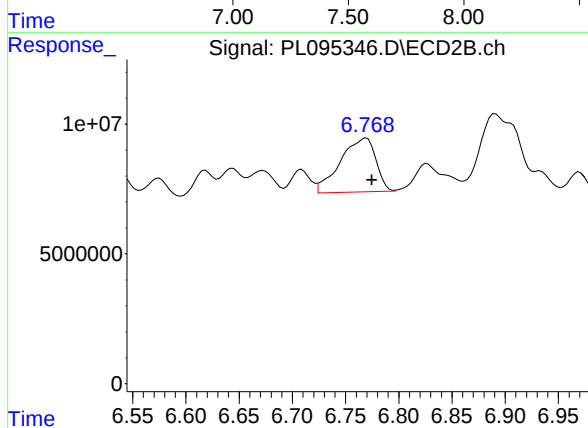
#19 Endosulfan Sulfate

R.T.: 6.503 min
Delta R.T.: 0.004 min
Response: 2407823
Conc: 0.73 ng/ml



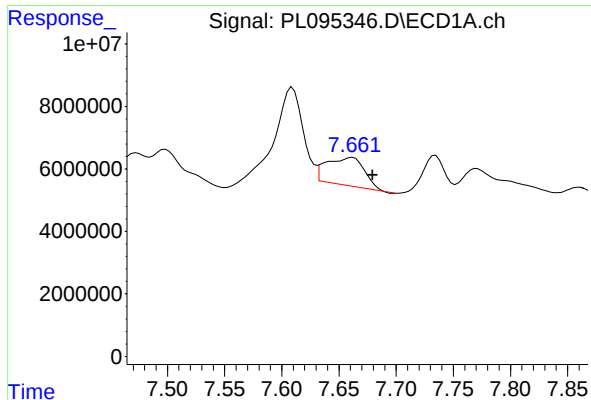
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T.: 7.540 min
Response: 0
Conc: N.D.



#20 Methoxychlor

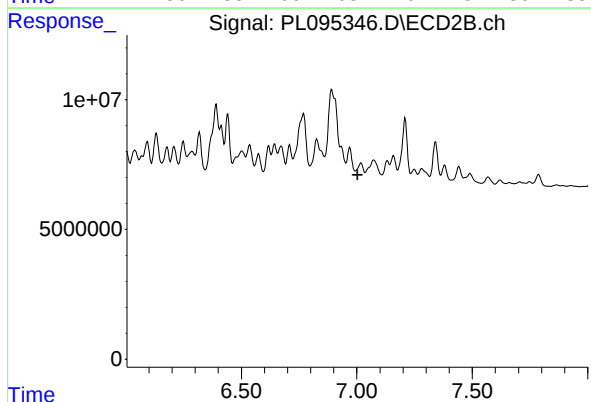
R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 48316325
Conc: 25.33 ng/ml



#21 Endrin ketone

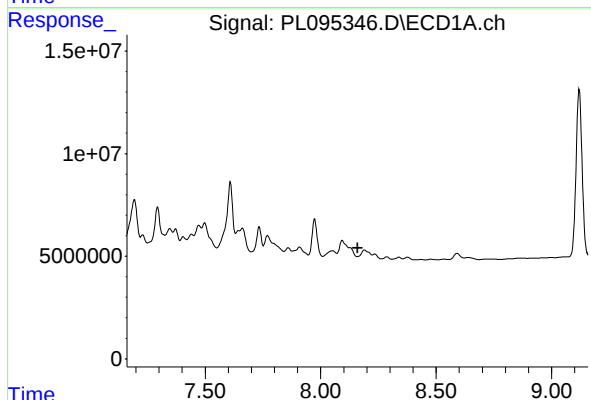
R.T.: 7.662 min
Delta R.T.: -0.017 min
Response: 20669859
Conc: 7.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



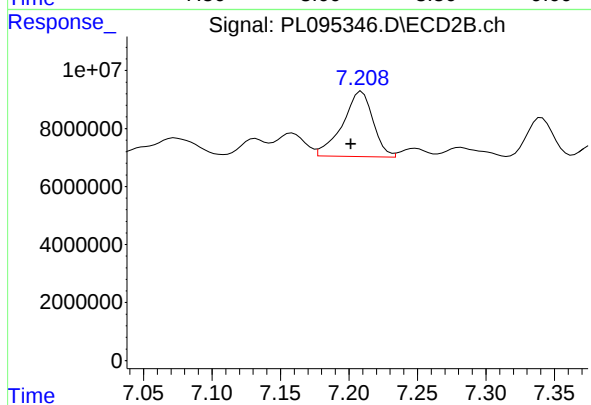
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.004 min
Response: 0
Conc: N.D.



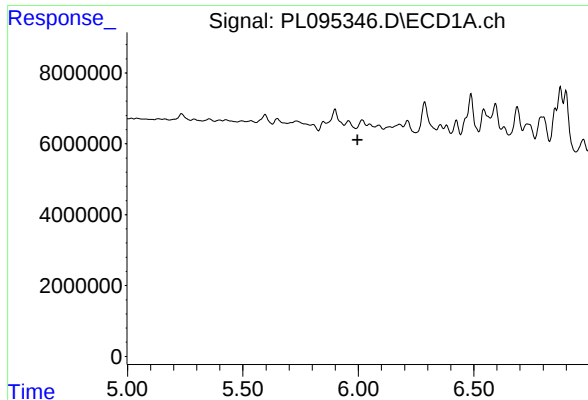
#22 Mirex

R.T.: 0.000 min
Exp R.T.: 8.161 min
Response: 0
Conc: N.D.



#22 Mirex

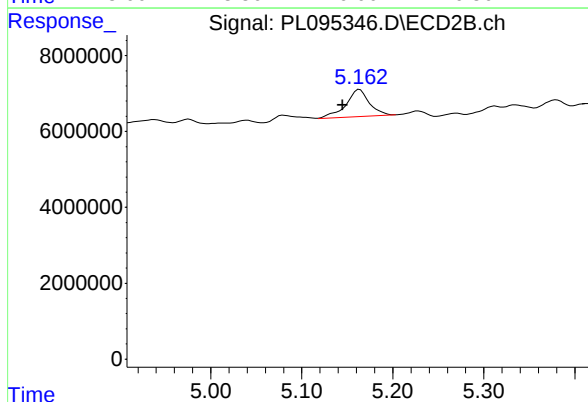
R.T.: 7.209 min
Delta R.T.: 0.008 min
Response: 34826728
Conc: 12.08 ng/ml



#25 Chlordane-3

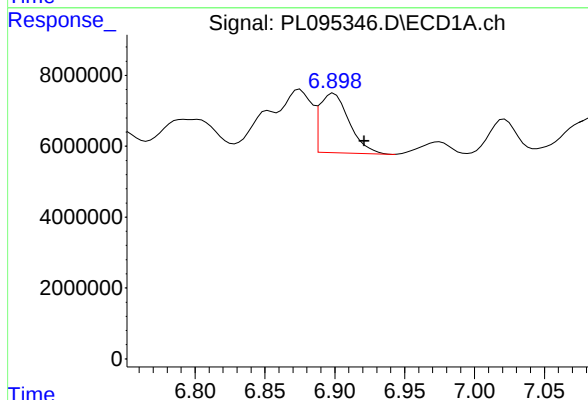
R.T.: 0.000 min
Exp R.T.: 5.996 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



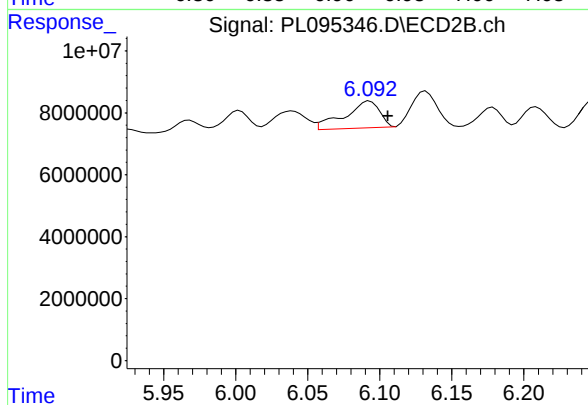
#25 Chlordane-3

R.T.: 5.164 min
Delta R.T.: 0.019 min
Response: 12806257
Conc: 24.79 ng/ml



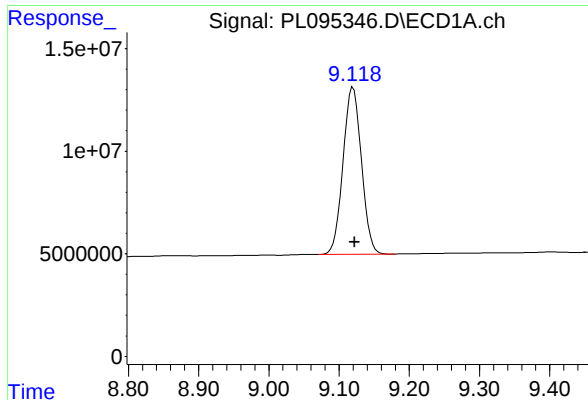
#27 Chlordane-5

R.T.: 6.899 min
Delta R.T.: -0.022 min
Response: 24624356
Conc: 162.44 ng/ml



#27 Chlordane-5

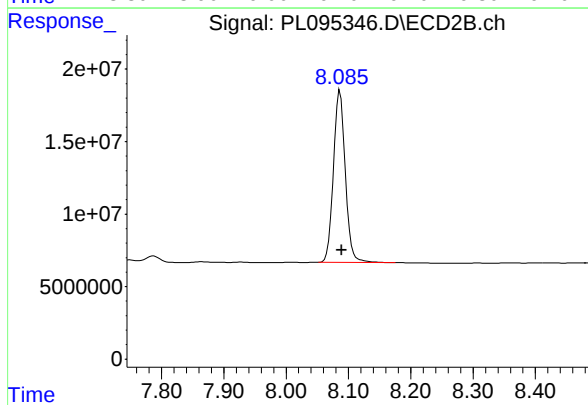
R.T.: 6.093 min
Delta R.T.: -0.013 min
Response: 14589555
Conc: 78.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: -0.002 min
Response: 148213287
Conc: 53.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325TOX



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.003 min
Response: 156448060
Conc: 52.87 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 09:35 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.53	7.54	7.44	7.64	0.01
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 09:35 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

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

Lab Sample No.: PSTDCCC050 Data File : PL095530.D Time Analyzed: 09:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.747	6.653	6.853	47.300	50.000	-5.4
4,4'-DDE	6.238	6.143	6.343	46.150	50.000	-7.7
4,4'-DDT	7.064	6.969	7.169	46.820	50.000	-6.4
Aldrin	5.315	5.218	5.418	46.140	50.000	-7.7
alpha-BHC	4.044	3.946	4.146	43.990	50.000	-12.0
alpha-Chlordane	6.071	5.975	6.175	47.640	50.000	-4.7
beta-BHC	4.560	4.464	4.664	42.590	50.000	-14.8
Decachlorobiphenyl	9.116	9.022	9.222	43.910	50.000	-12.2
delta-BHC	4.808	4.712	4.912	44.360	50.000	-11.3
Dieldrin	6.391	6.296	6.496	46.980	50.000	-6.0
Endosulfan I	6.119	6.023	6.223	48.320	50.000	-3.4
Endosulfan II	6.829	6.735	6.935	50.020	50.000	0.0
Endosulfan sulfate	7.193	7.098	7.298	46.690	50.000	-6.6
Endrin	6.618	6.523	6.723	46.060	50.000	-7.9
Endrin aldehyde	6.960	6.864	7.064	48.850	50.000	-2.3
Endrin ketone	7.675	7.579	7.779	47.120	50.000	-5.8
gamma-BHC (Lindane)	4.374	4.277	4.477	43.670	50.000	-12.7
gamma-Chlordane	5.990	5.894	6.094	48.020	50.000	-4.0
Heptachlor	4.973	4.876	5.076	43.060	50.000	-13.9
Heptachlor epoxide	5.736	5.639	5.839	47.650	50.000	-4.7
Methoxychlor	7.534	7.440	7.640	43.380	50.000	-13.2
Tetrachloro-m-xylene	3.593	3.495	3.695	43.080	50.000	-13.8



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

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

Lab Sample No.: PSTDCCC050 Data File : PL095530.D Time Analyzed: 09:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.948	5.849	6.049	57.980	50.000	16.0
4,4'-DDE	5.396	5.297	5.497	54.780	50.000	9.6
4,4'-DDT	6.202	6.104	6.304	56.230	50.000	12.5
Aldrin	4.391	4.290	4.490	58.200	50.000	16.4
alpha-BHC	3.419	3.316	3.516	59.500	50.000	19.0
alpha-Chlordane	5.211	5.111	5.311	55.860	50.000	11.7
beta-BHC	4.046	3.944	4.144	55.470	50.000	10.9
Decachlorobiphenyl	8.086	7.989	8.189	48.700	50.000	-2.6
delta-BHC	4.282	4.180	4.380	57.840	50.000	15.7
Dieldrin	5.532	5.432	5.632	57.240	50.000	14.5
Endosulfan I	5.266	5.167	5.367	57.420	50.000	14.8
Endosulfan II	6.096	5.997	6.197	56.280	50.000	12.6
Endosulfan sulfate	6.498	6.398	6.598	54.950	50.000	9.9
Endrin	5.806	5.707	5.907	55.160	50.000	10.3
Endrin aldehyde	6.275	6.175	6.375	56.100	50.000	12.2
Endrin ketone	7.004	6.904	7.104	59.840	50.000	19.7
gamma-BHC (Lindane)	3.752	3.650	3.850	57.130	50.000	14.3
gamma-Chlordane	5.146	5.047	5.247	56.230	50.000	12.5
Heptachlor	4.106	4.004	4.204	55.750	50.000	11.5
Heptachlor epoxide	4.894	4.793	4.993	56.840	50.000	13.7
Methoxychlor	6.772	6.675	6.875	53.580	50.000	7.2
Tetrachloro-m-xylene	2.910	2.806	3.006	54.250	50.000	8.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
 Data File : PL095530.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 09:35
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.910	140.6E6	172.5E6	43.081	54.248 #
28)	SA Decachlor...	9.116	8.086	121.7E6	144.1E6	43.907	48.697
Target Compounds							
2)	A alpha-BHC	4.044	3.419	217.9E6	264.7E6	43.987	59.501 #
3)	MA gamma-BHC...	4.374	3.752	206.7E6	251.3E6	43.668m	57.127 #
4)	MA Heptachlor	4.973	4.106	197.0E6	242.9E6	43.062	55.753 #
5)	MB Aldrin	5.315	4.391	211.9E6	239.5E6	46.136	58.203 #
6)	B beta-BHC	4.560	4.046	88049620	115.1E6	42.587	55.466 #
7)	B delta-BHC	4.808	4.282	206.3E6	253.5E6	44.359m	57.841 #
8)	B Heptachlo...	5.736	4.894	190.9E6	219.5E6	47.654	56.839
9)	A Endosulfan I	6.119	5.266	183.5E6	210.2E6	48.316	57.420
10)	B gamma-Chl...	5.990	5.146	195.9E6	227.9E6	48.022	56.228
11)	B alpha-Chl...	6.071	5.211	193.7E6	222.4E6	47.641	55.863
12)	B 4,4'-DDE	6.238	5.396	180.9E6	222.8E6	46.145m	54.780
13)	MA Dieldrin	6.391	5.532	181.1E6	232.8E6	46.976	57.244
14)	MA Endrin	6.618	5.806	146.7E6	200.8E6	46.061m	55.158
15)	B Endosulfa...	6.829	6.096	159.7E6	202.1E6	50.025m	56.276
16)	A 4,4'-DDD	6.747	5.948	133.9E6	189.4E6	47.302m	57.978
17)	MA 4,4'-DDT	7.064	6.202	133.4E6	193.2E6	46.819	56.231
18)	B Endrin al...	6.960	6.275	113.4E6	146.6E6	48.851	56.099
19)	B Endosulfa...	7.193	6.498	130.8E6	182.3E6	46.688	54.953
20)	A Methoxychlor	7.534	6.772	60523196	102.2E6	43.382	53.583
21)	B Endrin ke...	7.675	7.004	134.3E6	210.7E6	47.120	59.843 #
22)	Mirex	8.156	7.200	111.9E6	158.7E6	47.076	55.046

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

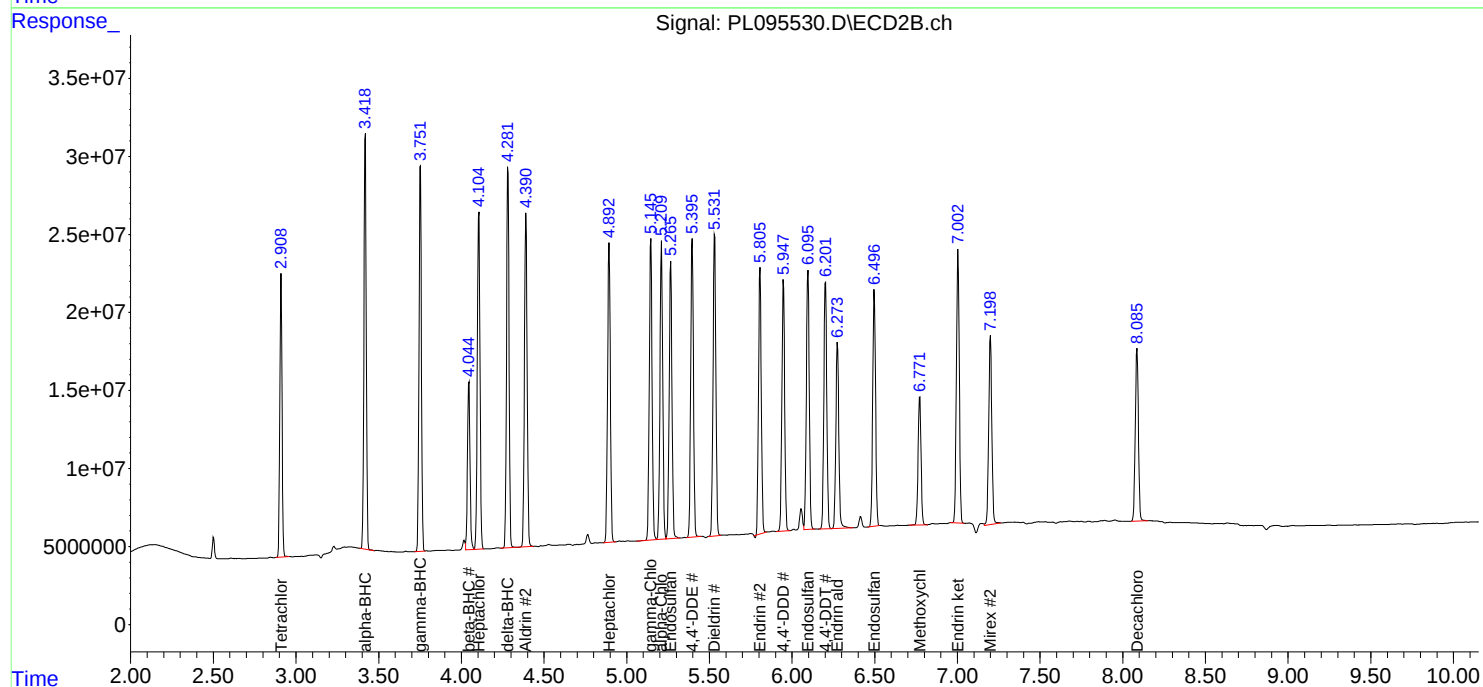
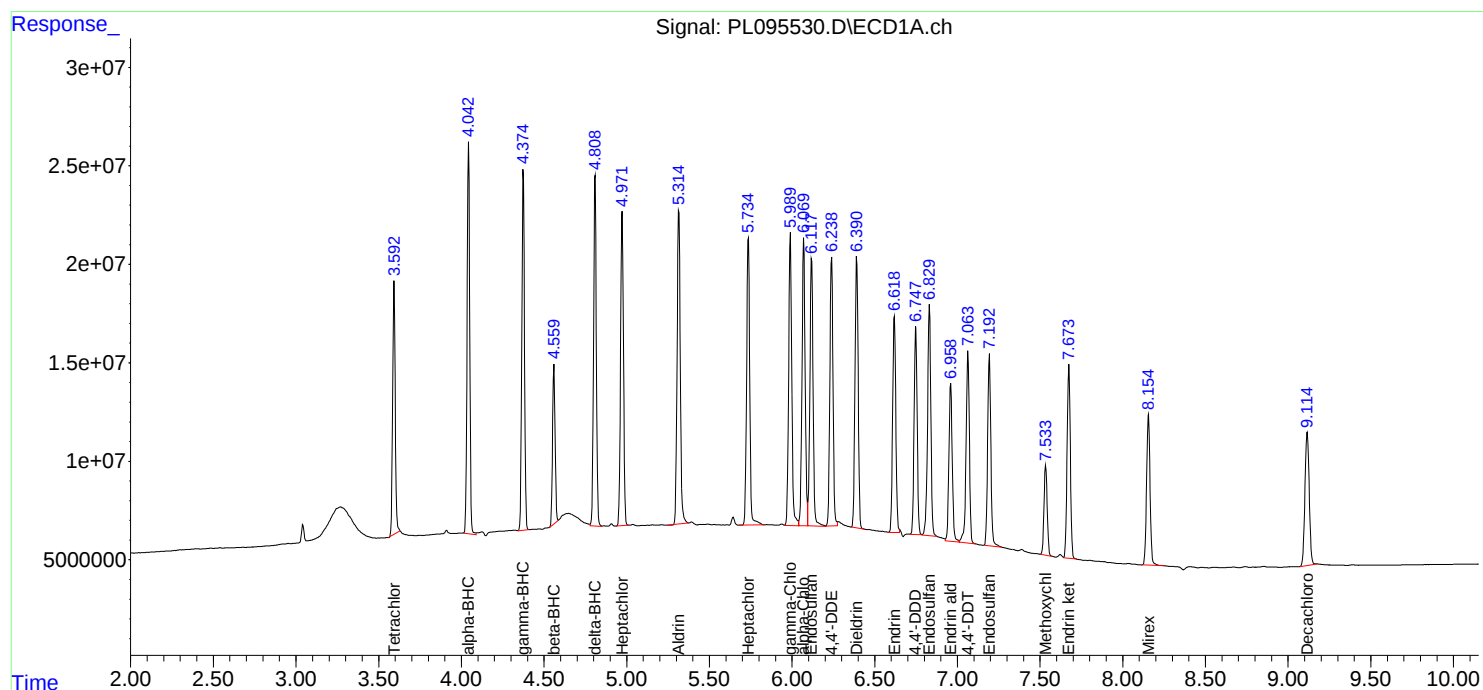
APPROVED

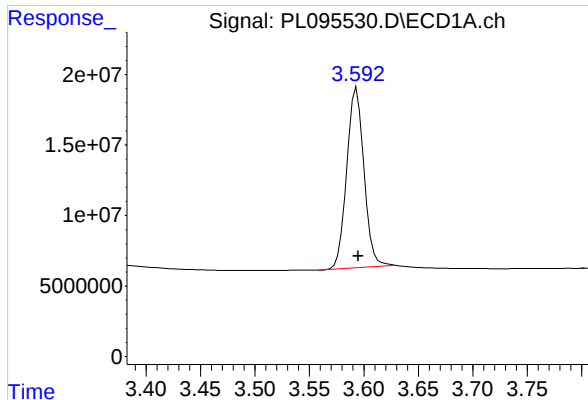
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





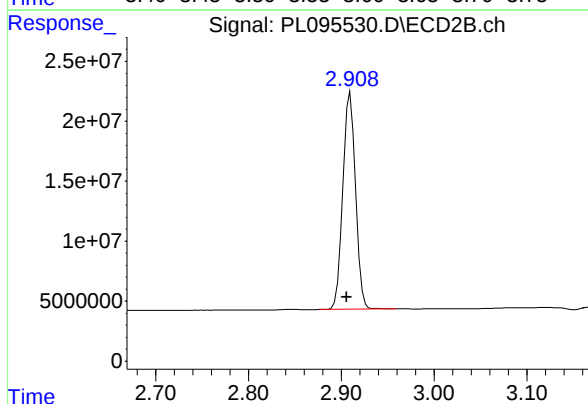
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 140646200
Conc: 43.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

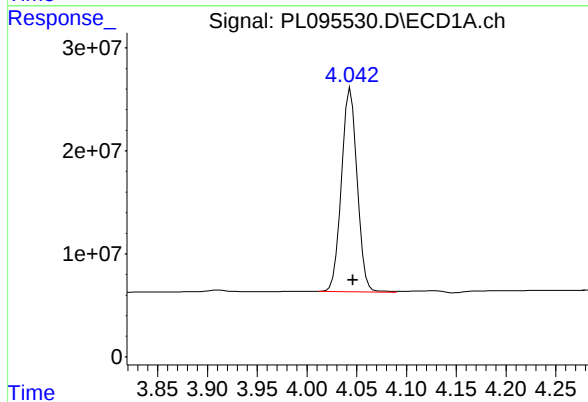
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



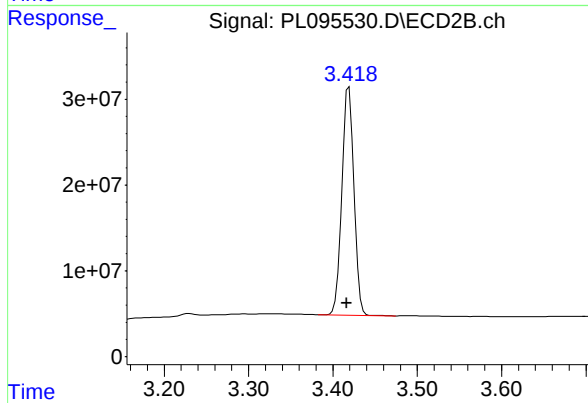
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.004 min
Response: 172494789
Conc: 54.25 ng/ml



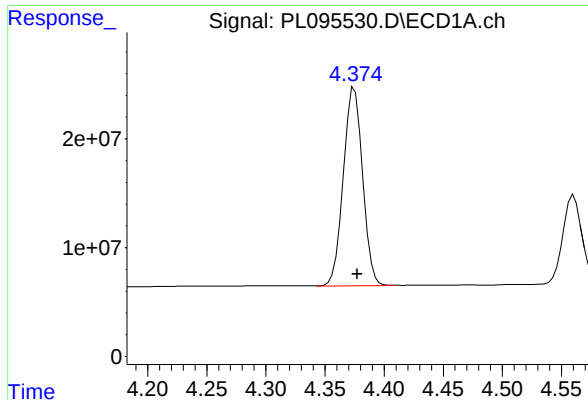
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 217899312
Conc: 43.99 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 264702098
Conc: 59.50 ng/ml



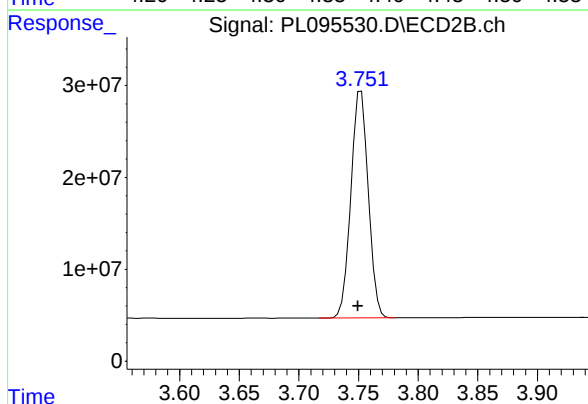
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: -0.004 min
Response: 206723265
Conc: 43.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

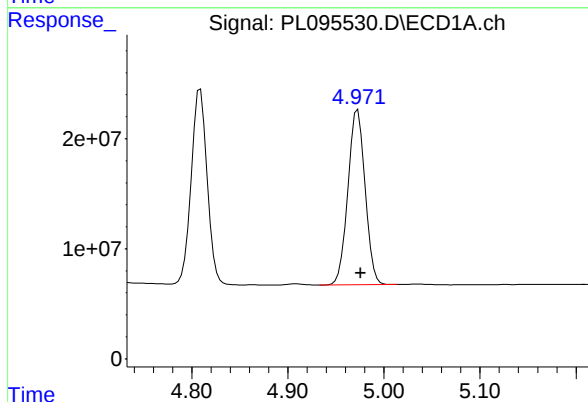
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



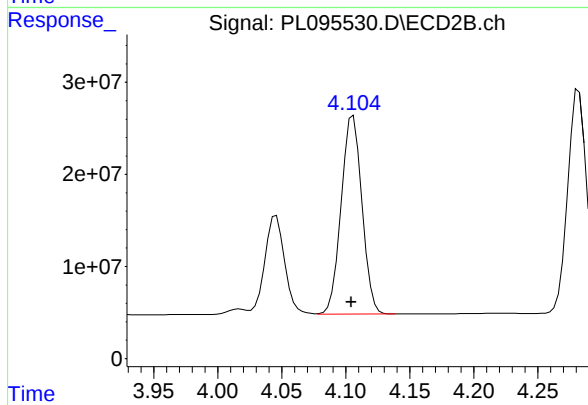
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 251257903
Conc: 57.13 ng/ml



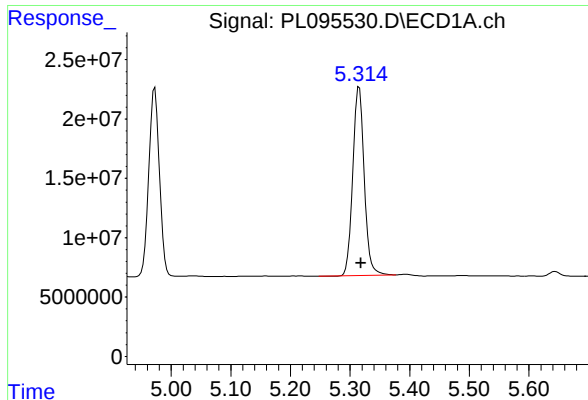
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 196987634
Conc: 43.06 ng/ml



#4 Heptachlor

R.T.: 4.106 min
Delta R.T.: 0.001 min
Response: 242897344
Conc: 55.75 ng/ml



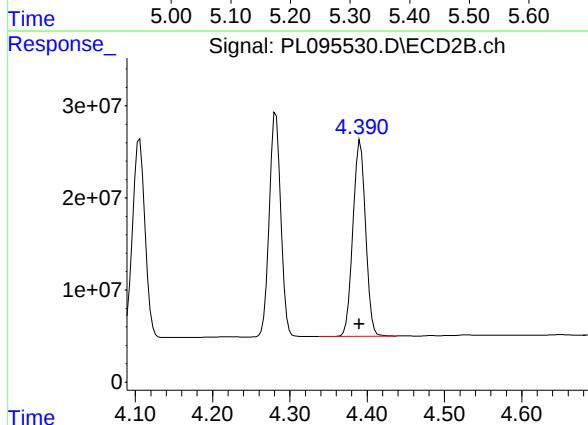
#5 Aldrin

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 211901465
Conc: 46.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

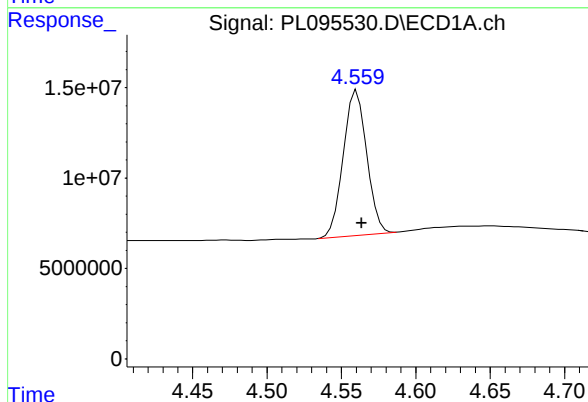
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



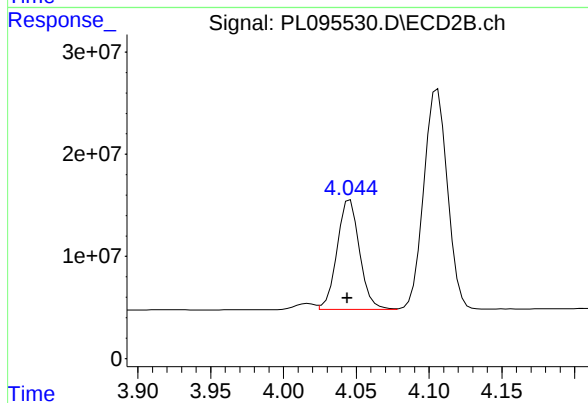
#5 Aldrin

R.T.: 4.391 min
Delta R.T.: 0.000 min
Response: 239546221
Conc: 58.20 ng/ml



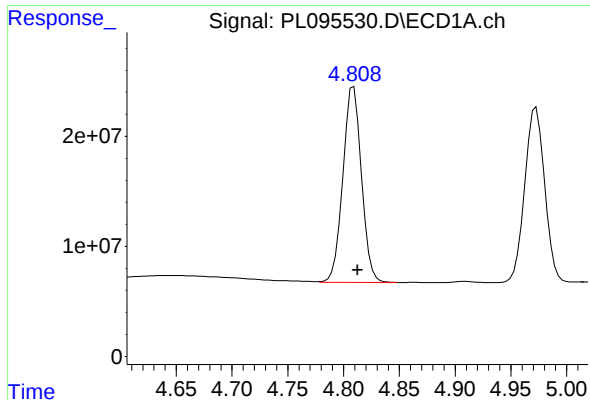
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 88049620
Conc: 42.59 ng/ml



#6 beta-BHC

R.T.: 4.046 min
Delta R.T.: 0.002 min
Response: 115139438
Conc: 55.47 ng/ml



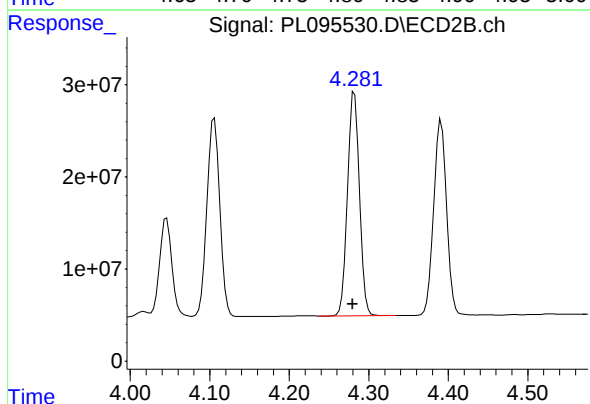
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.005 min
Response: 206297411
Conc: 44.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

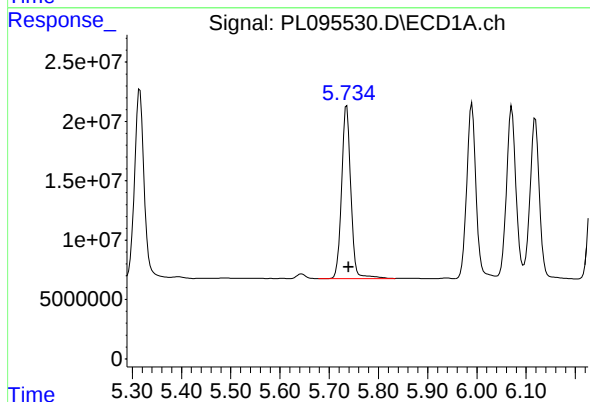
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



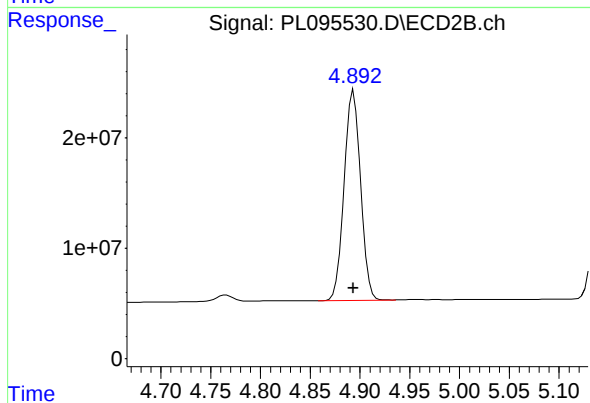
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.002 min
Response: 253455297
Conc: 57.84 ng/ml



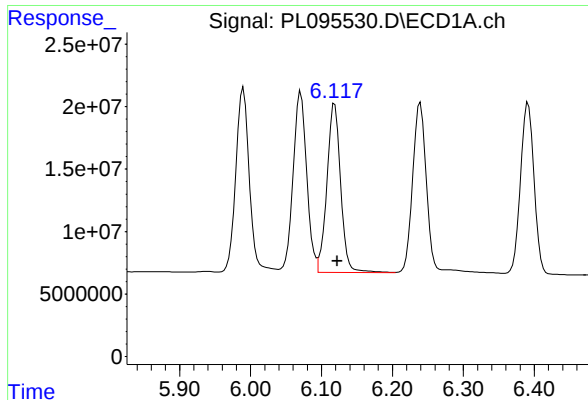
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 190861209
Conc: 47.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 219548420
Conc: 56.84 ng/ml



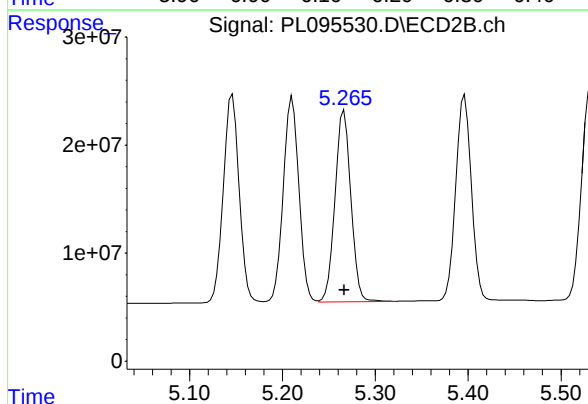
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 183478787
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

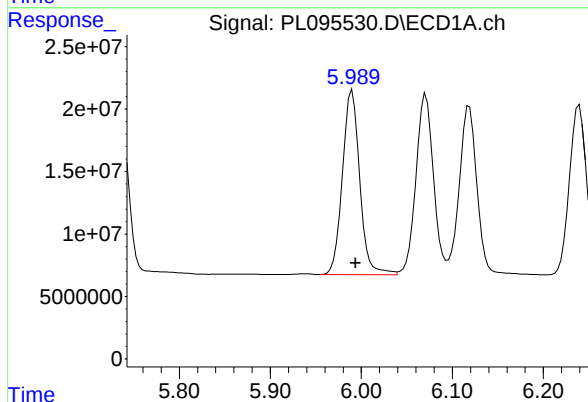
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



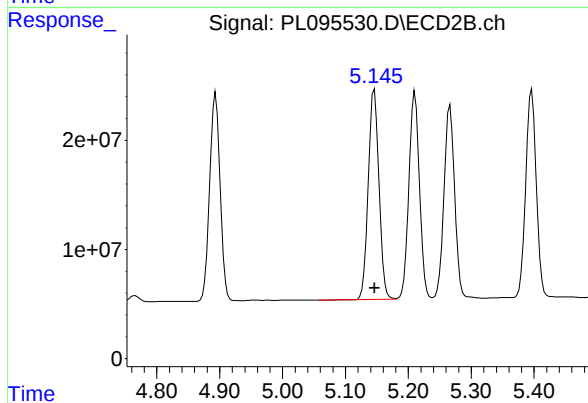
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 210181067
Conc: 57.42 ng/ml



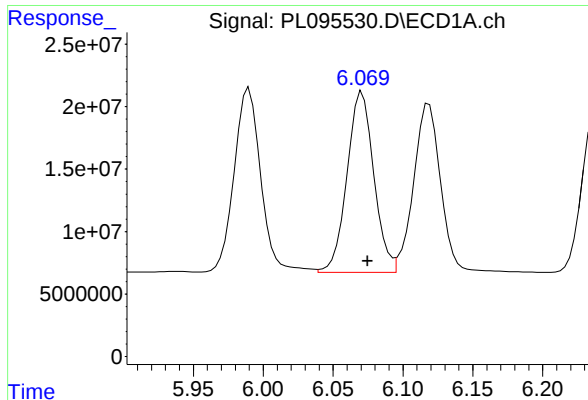
#10 gamma-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.004 min
Response: 195898751
Conc: 48.02 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 227873977
Conc: 56.23 ng/ml



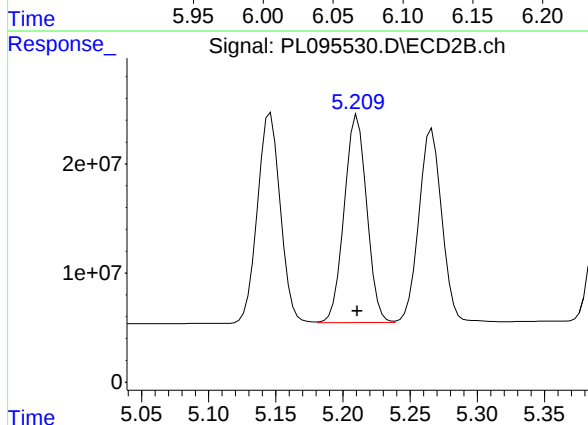
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.004 min
Response: 193710998
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

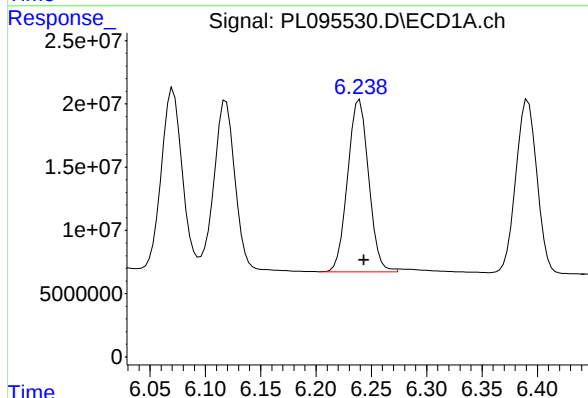
Manual Integrations
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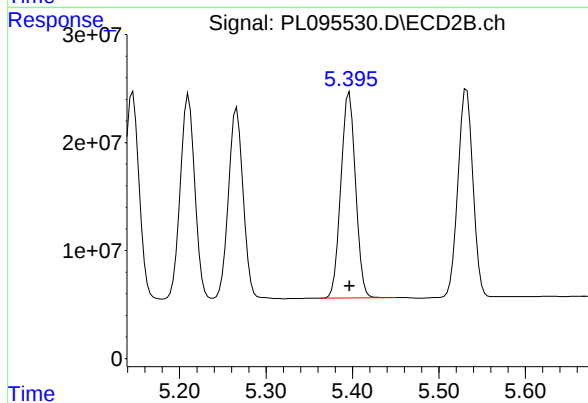
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 222394113
Conc: 55.86 ng/ml



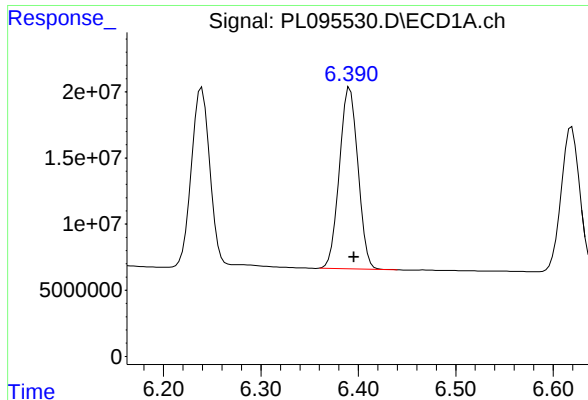
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 180915543
Conc: 46.15 ng/ml m



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: 0.000 min
Response: 222789853
Conc: 54.78 ng/ml



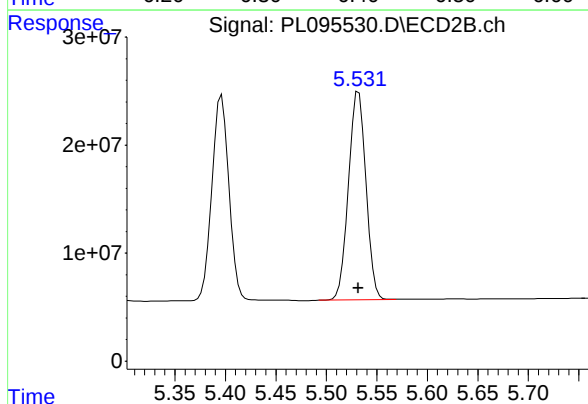
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 181082966
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

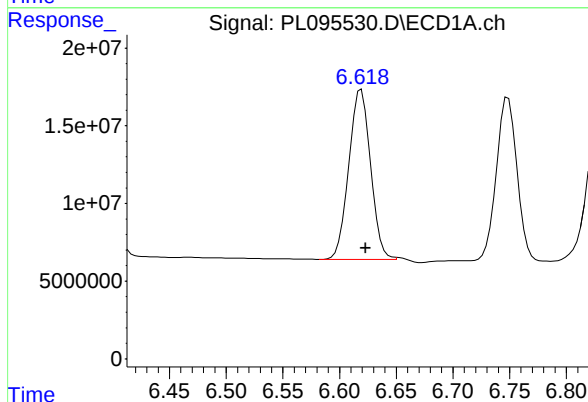
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/08/2025



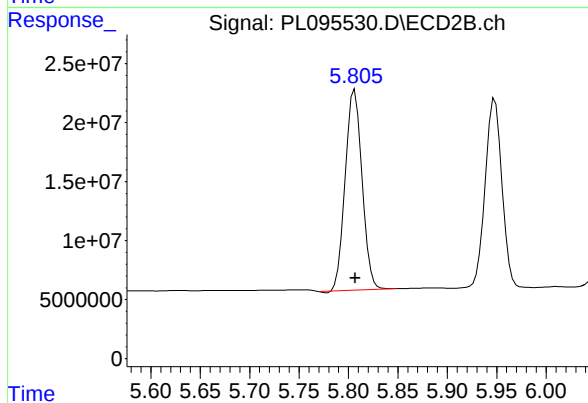
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 232814494
Conc: 57.24 ng/ml



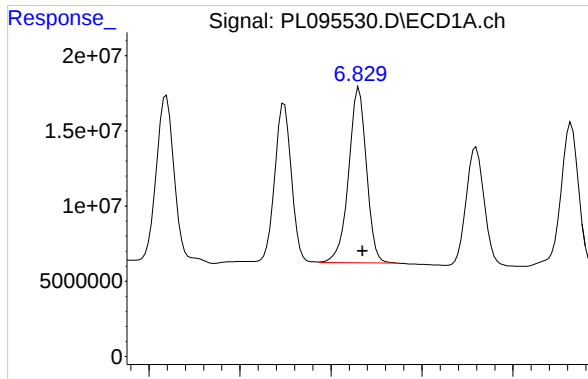
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 146693702
Conc: 46.06 ng/ml m



#14 Endrin

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 200816364
Conc: 55.16 ng/ml



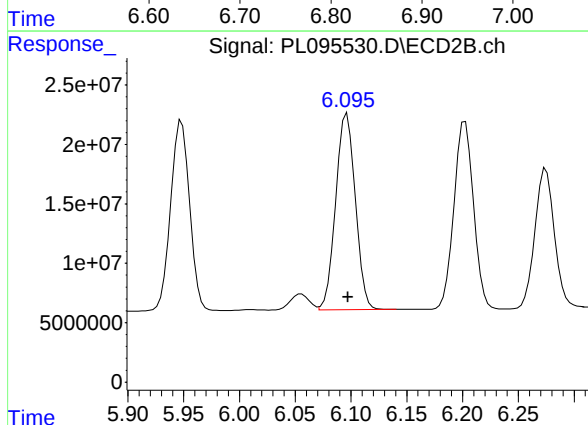
#15 Endosulfan II

R.T.: 6.829 min
Delta R.T.: -0.005 min
Response: 159687386
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

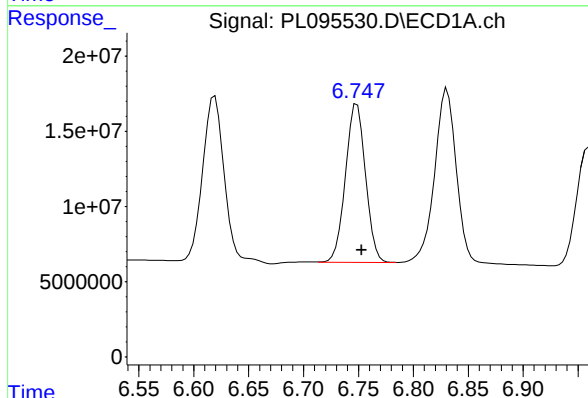
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



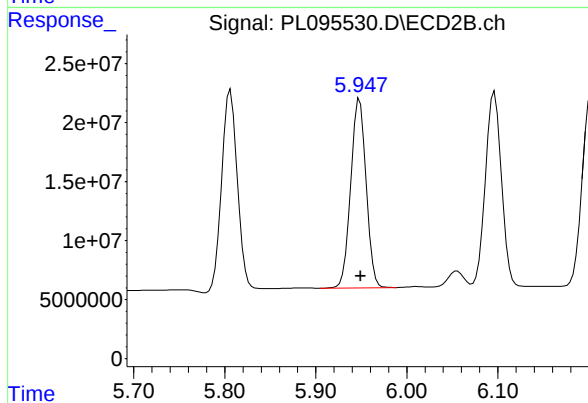
#15 Endosulfan II

R.T.: 6.096 min
Delta R.T.: 0.000 min
Response: 202092007
Conc: 56.28 ng/ml



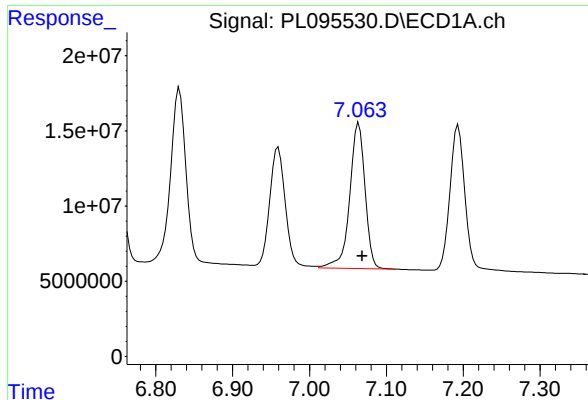
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.006 min
Response: 133909006
Conc: 47.30 ng/ml m



#16 4,4'-DDD

R.T.: 5.948 min
Delta R.T.: -0.001 min
Response: 189401761
Conc: 57.98 ng/ml



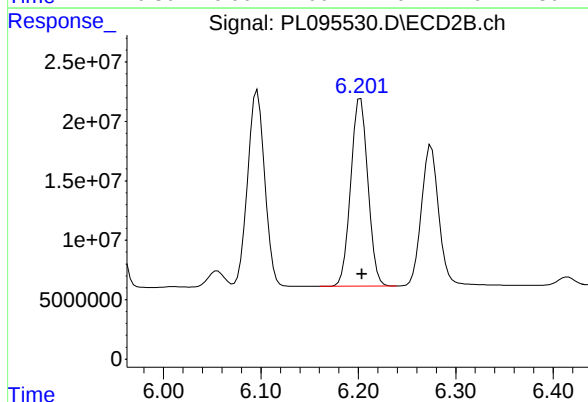
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 133368521
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

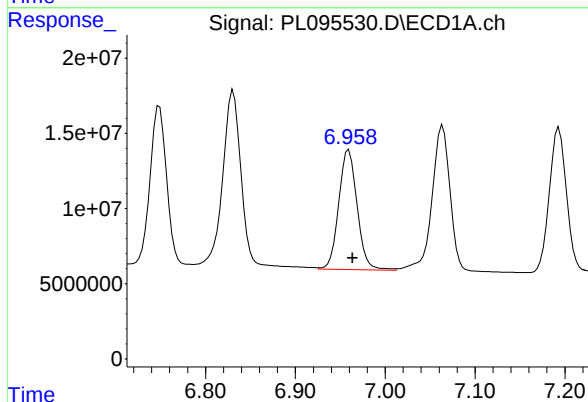
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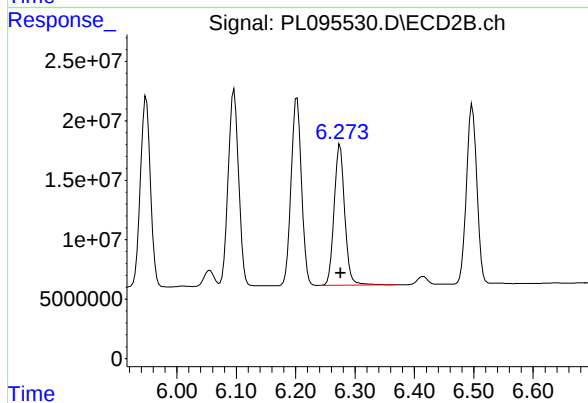
#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.001 min
Response: 193221103
Conc: 56.23 ng/ml



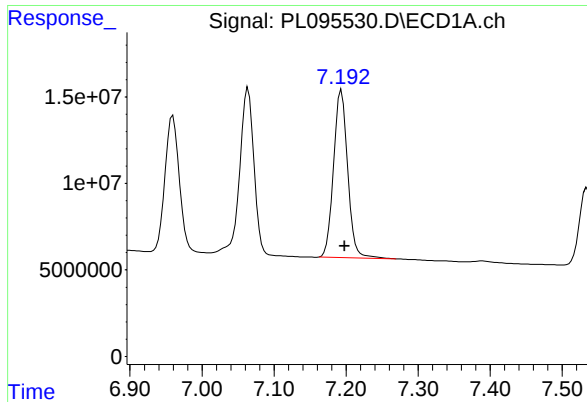
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 113372571
Conc: 48.85 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 146594822
Conc: 56.10 ng/ml



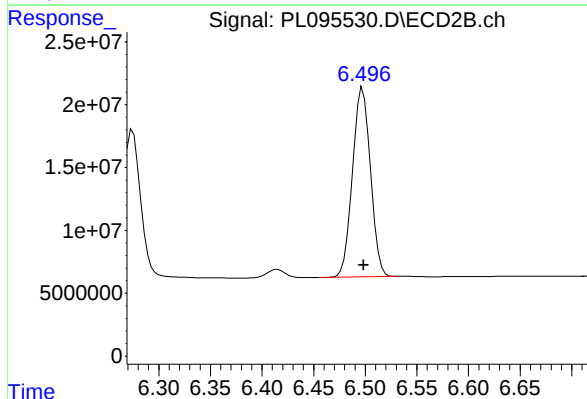
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 130811428
Conc: 46.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

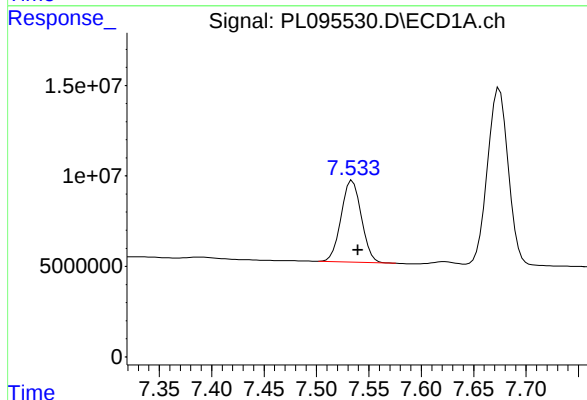
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



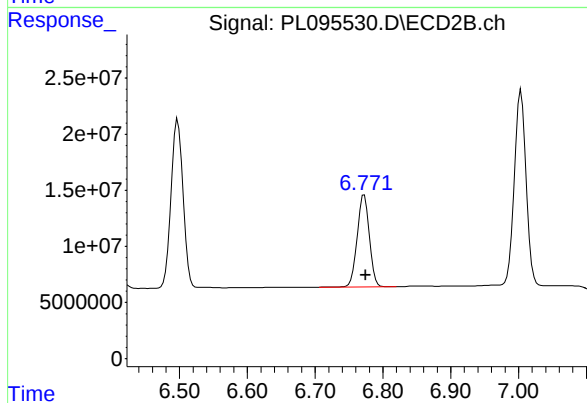
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 182329631
Conc: 54.95 ng/ml



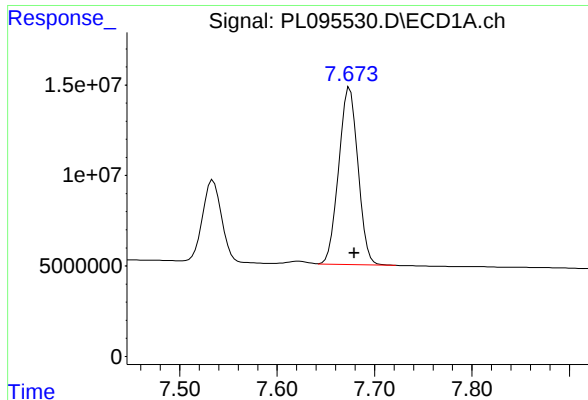
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 60523196
Conc: 43.38 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 102205968
Conc: 53.58 ng/ml



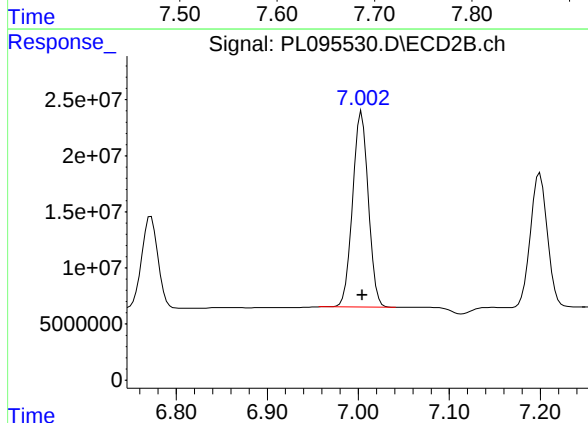
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.005 min
Response: 134333902
Conc: 47.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

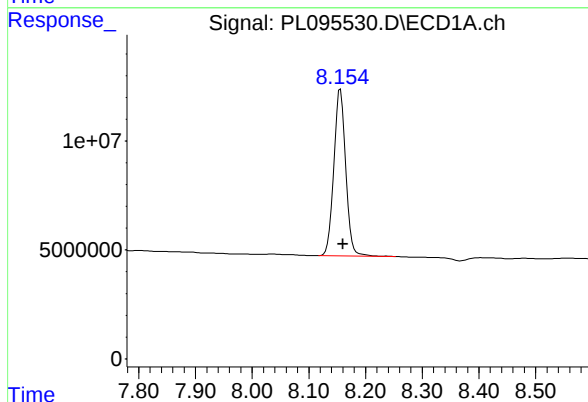
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/08/2025



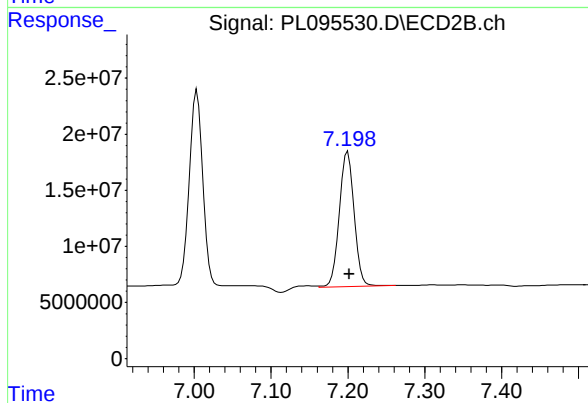
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 210726320
Conc: 59.84 ng/ml



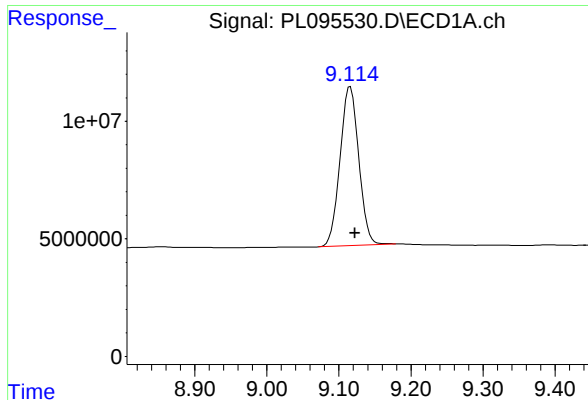
#22 Mirex

R.T.: 8.156 min
Delta R.T.: -0.005 min
Response: 111853445
Conc: 47.08 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: -0.002 min
Response: 158663826
Conc: 55.05 ng/ml



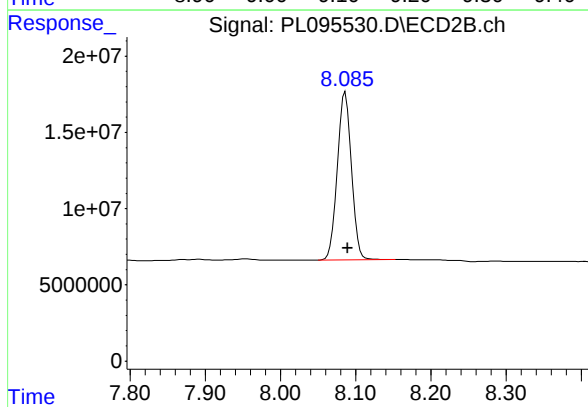
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.007 min
Response: 121657534
Conc: 43.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.003 min
Response: 144107963
Conc: 48.70 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:39 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.73	5.74	5.64	5.84	0.01
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.01
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:39 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.01
Endrin	5.81	5.81	5.71	5.91	0.01
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

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

Lab Sample No.: PSTDCCC050 Data File : PL095547.D Time Analyzed: 18:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.747	6.653	6.853	50.200	50.000	0.4
4,4'-DDE	6.238	6.143	6.343	46.700	50.000	-6.6
4,4'-DDT	7.064	6.969	7.169	51.060	50.000	2.1
Aldrin	5.315	5.218	5.418	45.890	50.000	-8.2
alpha-BHC	4.044	3.946	4.146	43.450	50.000	-13.1
alpha-Chlordane	6.071	5.975	6.175	49.510	50.000	-1.0
beta-BHC	4.561	4.464	4.664	44.160	50.000	-11.7
Decachlorobiphenyl	9.116	9.022	9.222	46.810	50.000	-6.4
delta-BHC	4.808	4.712	4.912	44.310	50.000	-11.4
Dieldrin	6.392	6.296	6.496	46.520	50.000	-7.0
Endosulfan I	6.117	6.023	6.223	48.190	50.000	-3.6
Endosulfan II	6.830	6.735	6.935	52.220	50.000	4.4
Endosulfan sulfate	7.194	7.098	7.298	48.720	50.000	-2.6
Endrin	6.618	6.523	6.723	48.100	50.000	-3.8
Endrin aldehyde	6.958	6.864	7.064	49.490	50.000	-1.0
Endrin ketone	7.675	7.579	7.779	48.530	50.000	-2.9
gamma-BHC (Lindane)	4.375	4.277	4.477	43.530	50.000	-12.9
gamma-Chlordane	5.988	5.894	6.094	47.500	50.000	-5.0
Heptachlor	4.973	4.876	5.076	44.310	50.000	-11.4
Heptachlor epoxide	5.734	5.639	5.839	46.700	50.000	-6.6
Methoxychlor	7.535	7.440	7.640	47.950	50.000	-4.1
Tetrachloro-m-xylene	3.593	3.495	3.695	43.140	50.000	-13.7



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

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

Lab Sample No.: PSTDCCC050 Data File : PL095547.D Time Analyzed: 18:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.949	5.849	6.049	53.160	50.000	6.3
4,4'-DDE	5.395	5.297	5.497	51.070	50.000	2.1
4,4'-DDT	6.202	6.104	6.304	52.940	50.000	5.9
Aldrin	4.390	4.290	4.490	53.920	50.000	7.8
alpha-BHC	3.419	3.316	3.516	55.930	50.000	11.9
alpha-Chlordane	5.211	5.111	5.311	51.420	50.000	2.8
beta-BHC	4.046	3.944	4.144	52.070	50.000	4.1
Decachlorobiphenyl	8.086	7.989	8.189	47.290	50.000	-5.4
delta-BHC	4.282	4.180	4.380	54.810	50.000	9.6
Dieldrin	5.532	5.432	5.632	53.840	50.000	7.7
Endosulfan I	5.267	5.167	5.367	51.400	50.000	2.8
Endosulfan II	6.097	5.997	6.197	52.330	50.000	4.7
Endosulfan sulfate	6.497	6.398	6.598	51.230	50.000	2.5
Endrin	5.805	5.707	5.907	53.080	50.000	6.2
Endrin aldehyde	6.275	6.175	6.375	52.930	50.000	5.9
Endrin ketone	7.002	6.904	7.104	55.160	50.000	10.3
gamma-BHC (Lindane)	3.752	3.650	3.850	53.820	50.000	7.6
gamma-Chlordane	5.145	5.047	5.247	51.920	50.000	3.8
Heptachlor	4.106	4.004	4.204	52.900	50.000	5.8
Heptachlor epoxide	4.894	4.793	4.993	52.910	50.000	5.8
Methoxychlor	6.772	6.675	6.875	52.580	50.000	5.2
Tetrachloro-m-xylene	2.909	2.806	3.006	51.090	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
 Data File : PL095547.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 18:39
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:42:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.909	140.8E6	162.4E6	43.143	51.089
28) SA Decachlor...	9.116	8.086	129.7E6	139.9E6	46.807	47.289
Target Compounds						
2) A alpha-BHC	4.044	3.419	215.2E6	248.8E6	43.450	55.934 #
3) MA gamma-BHC...	4.375	3.752	206.1E6	236.7E6	43.534	53.820
4) MA Heptachlor	4.973	4.106	202.7E6	230.5E6	44.315	52.900
5) MB Aldrin	5.315	4.390	210.8E6	221.9E6	45.890	53.922m
6) B beta-BHC	4.561	4.046	91310372	108.1E6	44.164	52.071
7) B delta-BHC	4.808	4.282	206.1E6	240.2E6	44.309m	54.808
8) B Heptachlo...	5.734	4.894	187.1E6	204.4E6	46.703m	52.910
9) A Endosulfan I	6.117	5.267	183.0E6	188.1E6	48.191m	51.396
10) B gamma-Chl...	5.988	5.145	193.8E6	210.4E6	47.502m	51.921m
11) B alpha-Chl...	6.071	5.211	201.3E6	204.7E6	49.514	51.418
12) B 4,4'-DDE	6.238	5.395	183.1E6	207.7E6	46.699m	51.066m
13) MA Dieldrin	6.392	5.532	179.3E6	219.0E6	46.524	53.844
14) MA Endrin	6.618	5.805	153.2E6	193.3E6	48.100m	53.081m
15) B Endosulfa...	6.830	6.097	166.7E6	187.9E6	52.224m	52.330
16) A 4,4'-DDD	6.747	5.949	142.1E6	173.7E6	50.202m	53.161
17) MA 4,4'-DDT	7.064	6.202	145.4E6	181.9E6	51.057	52.942
18) B Endrin al...	6.958	6.275	114.9E6	138.3E6	49.493m	52.933
19) B Endosulfa...	7.194	6.497	136.5E6	170.0E6	48.717	51.230
20) A Methoxychlor	7.535	6.772	66901182	100.3E6	47.953	52.578
21) B Endrin ke...	7.675	7.002	138.4E6	194.2E6	48.532	55.161m
22) Mirex	8.156	7.198	113.1E6	141.3E6	47.613	49.028m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 18:39
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

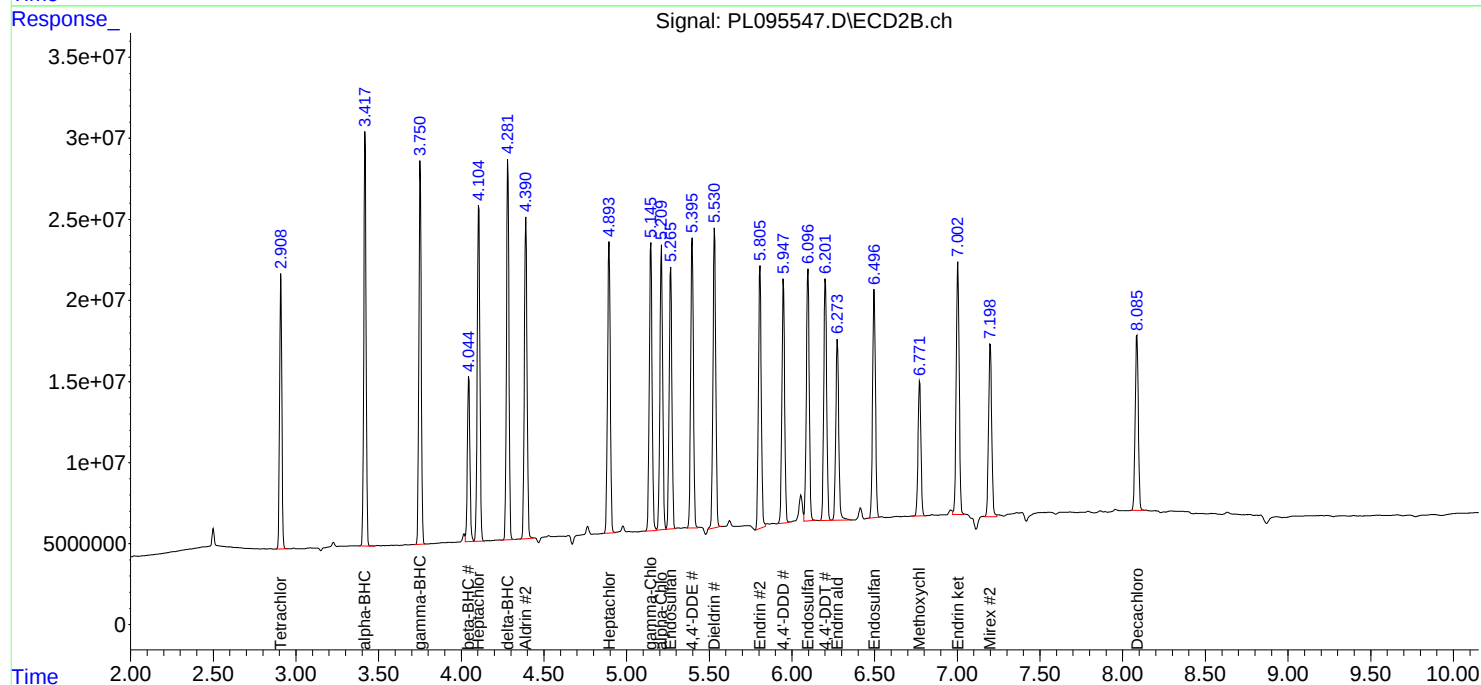
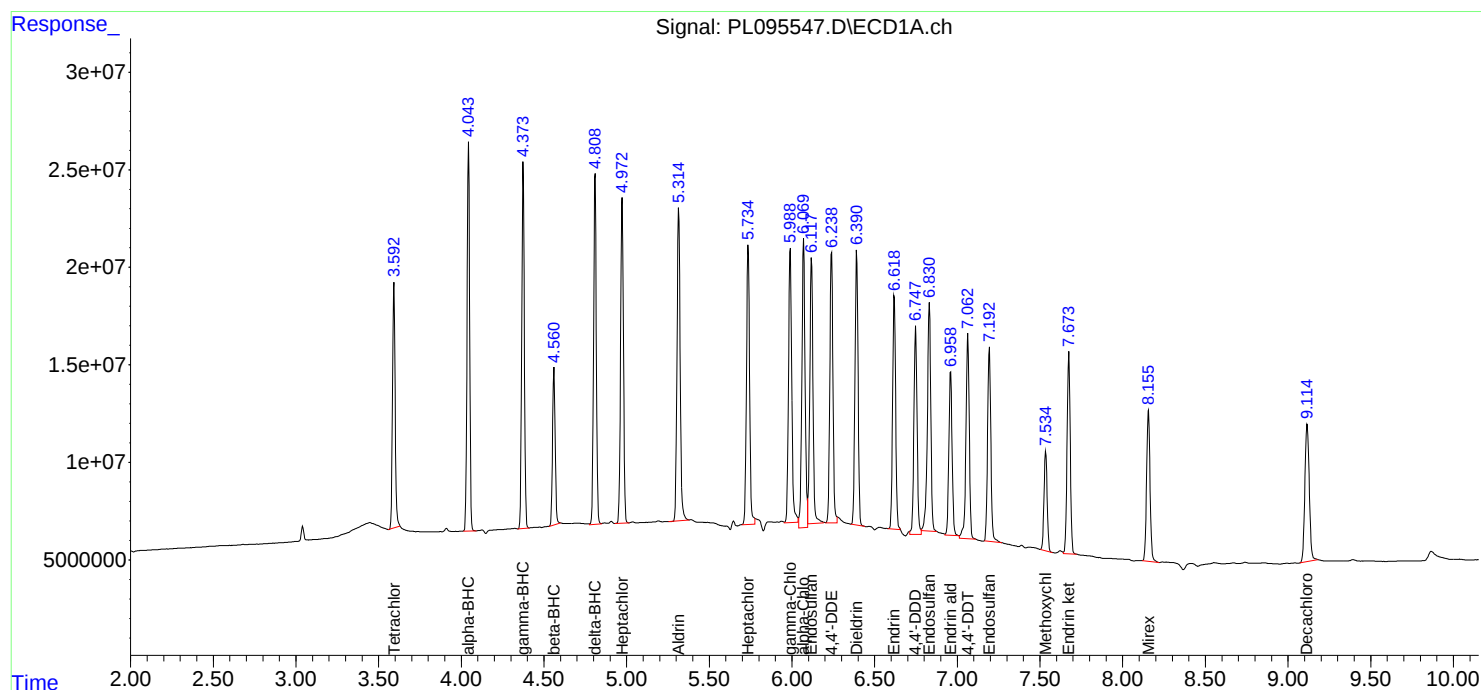
APPROVED

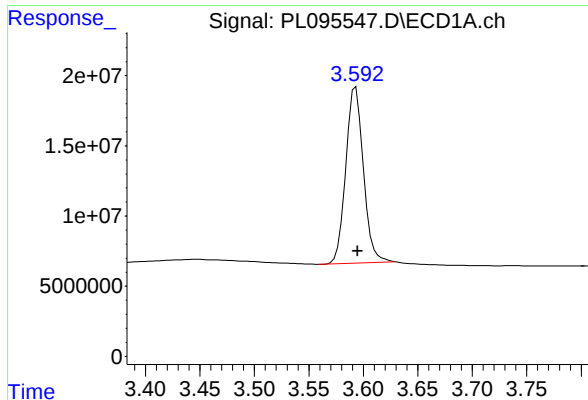
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





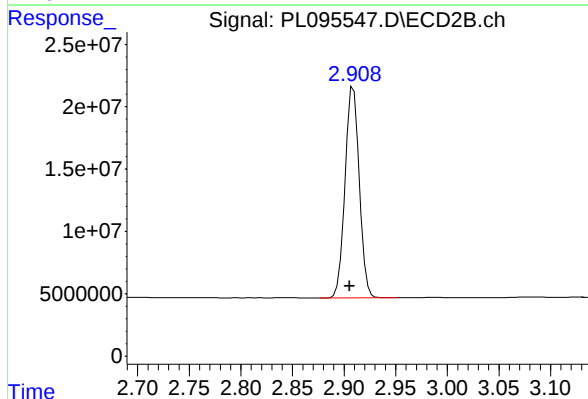
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 140848877
Conc: 43.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

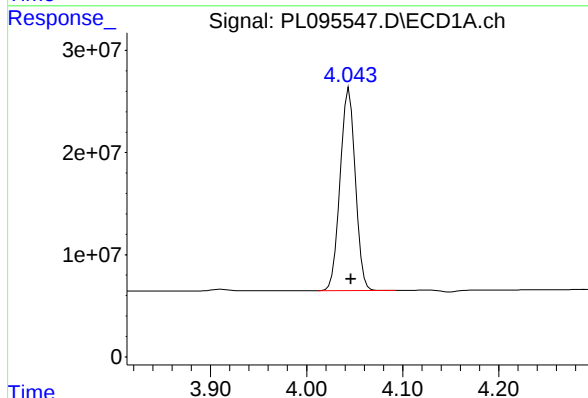
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



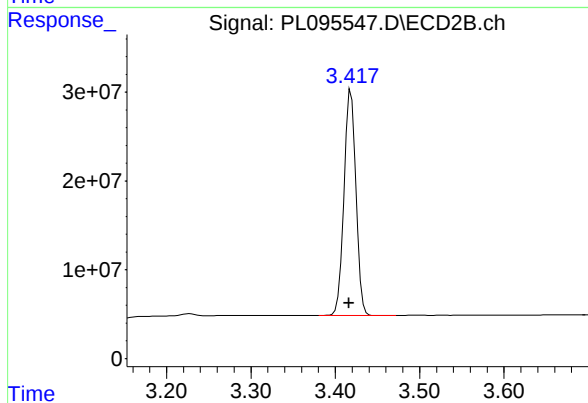
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 162449537
Conc: 51.09 ng/ml



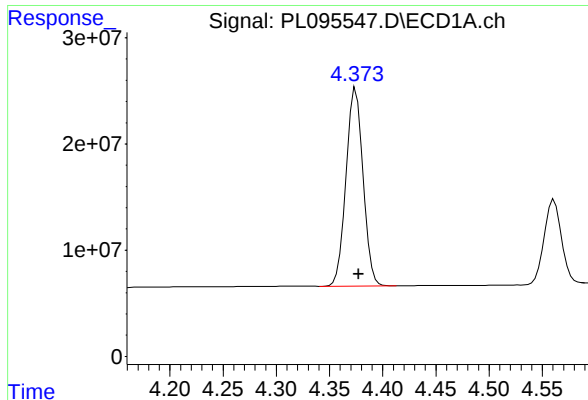
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 215240593
Conc: 43.45 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 248834100
Conc: 55.93 ng/ml



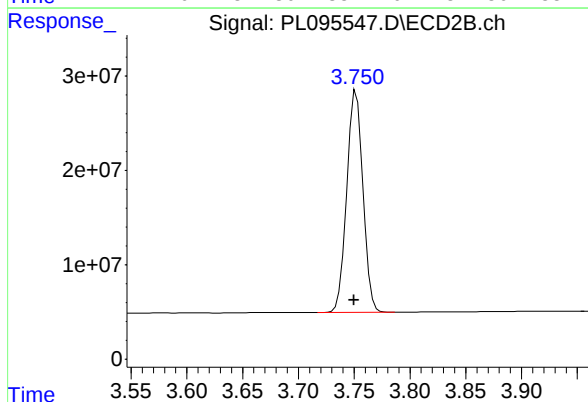
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 206090357
Conc: 43.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

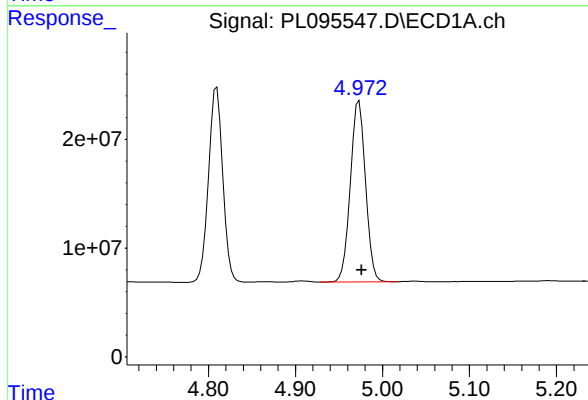
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



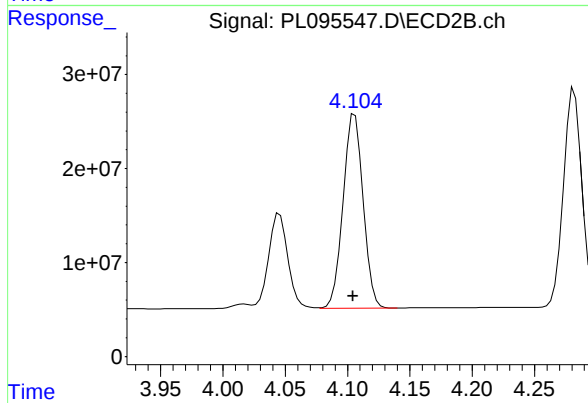
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 236713196
Conc: 53.82 ng/ml



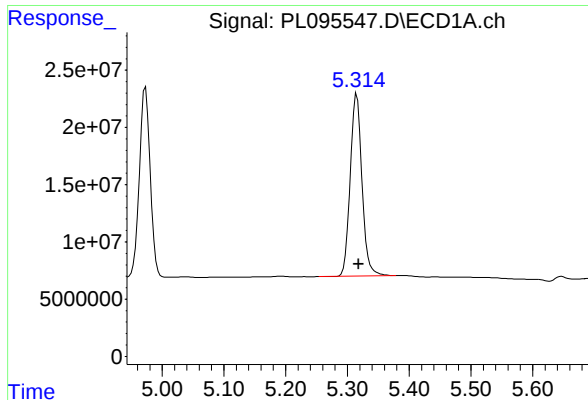
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 202717206
Conc: 44.31 ng/ml



#4 Heptachlor

R.T.: 4.106 min
Delta R.T.: 0.001 min
Response: 230469835
Conc: 52.90 ng/ml



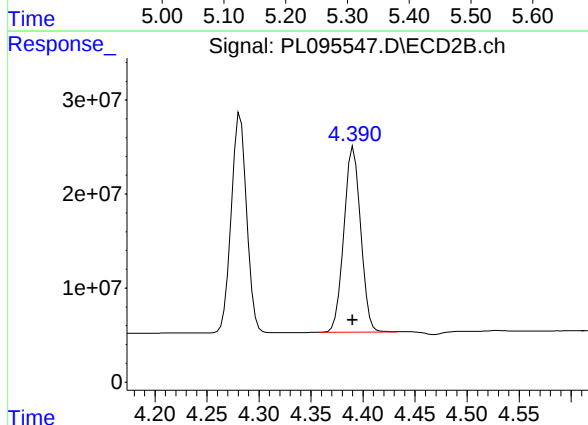
#5 Aldrin

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 210771844
Conc: 45.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

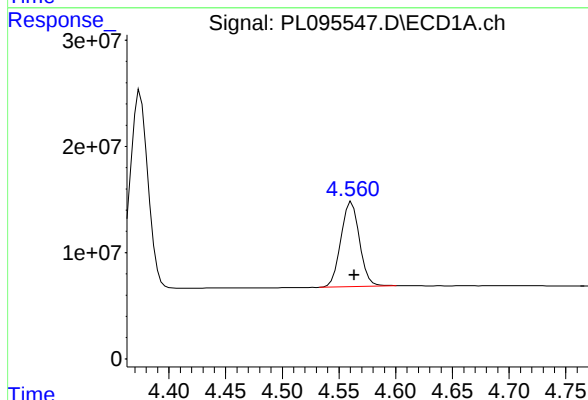
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



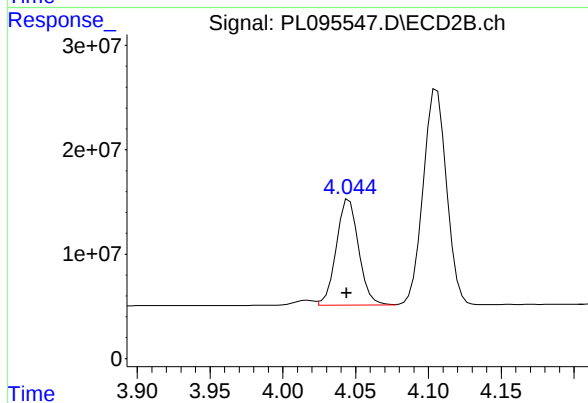
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 221924230
Conc: 53.92 ng/ml



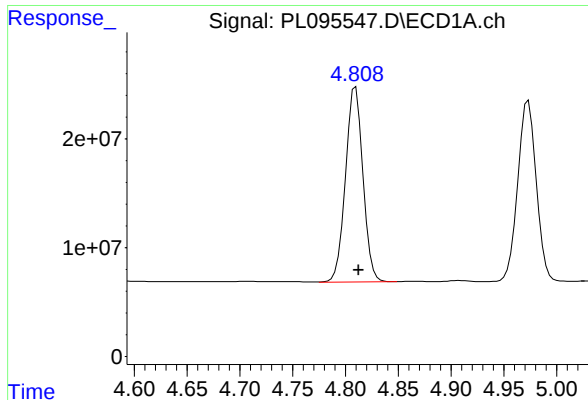
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.002 min
Response: 91310372
Conc: 44.16 ng/ml



#6 beta-BHC

R.T.: 4.046 min
Delta R.T.: 0.002 min
Response: 108091844
Conc: 52.07 ng/ml



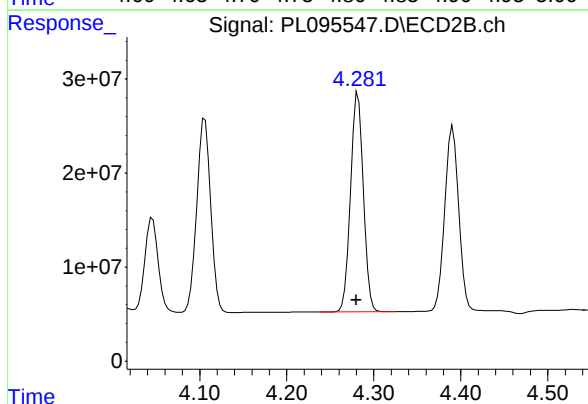
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 206067757
Conc: 44.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

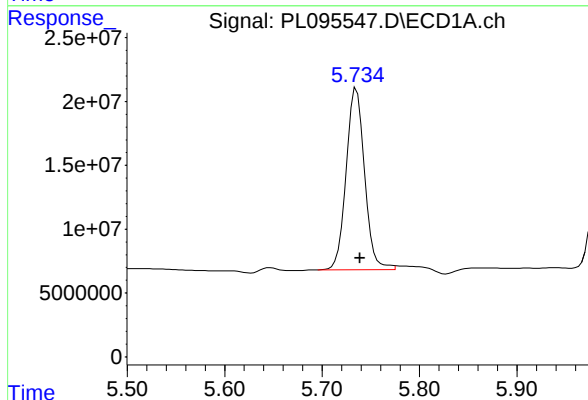
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



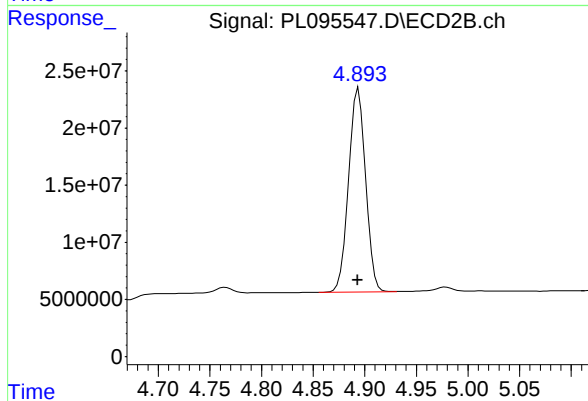
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.002 min
Response: 240167025
Conc: 54.81 ng/ml



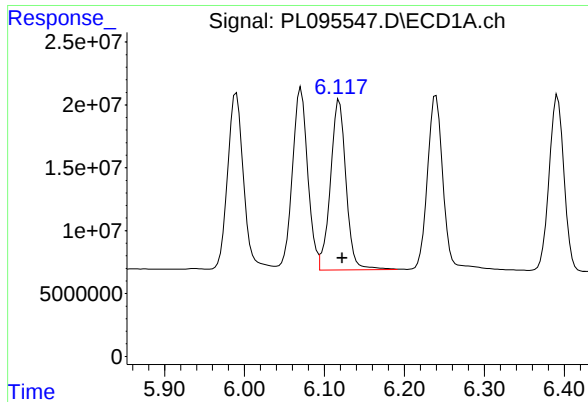
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 187052839
Conc: 46.70 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 204372468
Conc: 52.91 ng/ml



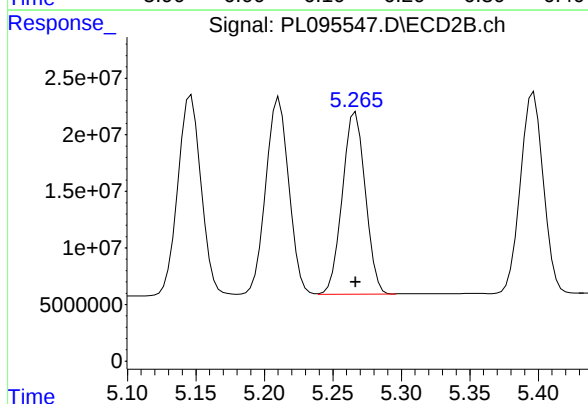
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 183005801
Conc: 48.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

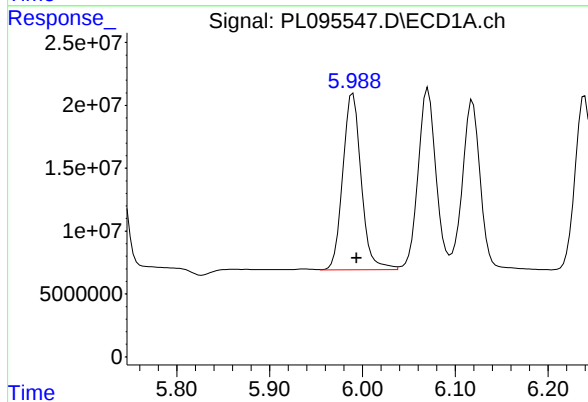
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



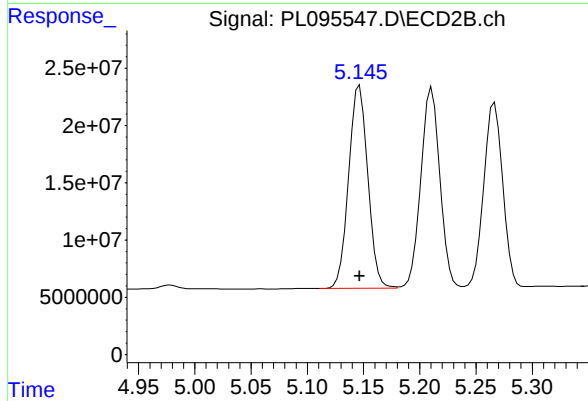
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 188131045
Conc: 51.40 ng/ml



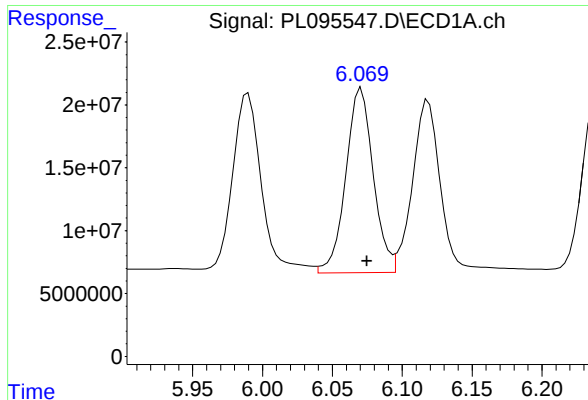
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.005 min
Response: 193776746
Conc: 47.50 ng/ml m



#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: -0.001 min
Response: 210417369
Conc: 51.92 ng/ml m



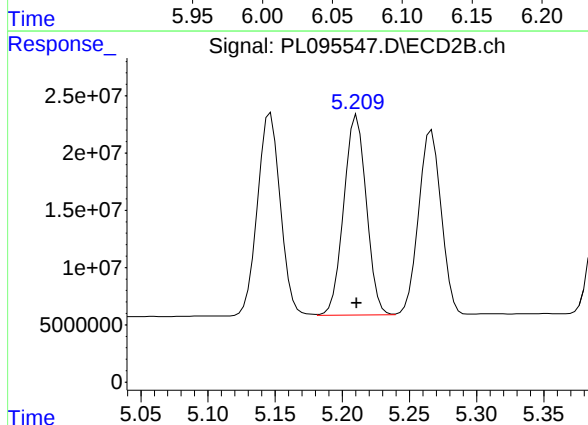
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.004 min
Response: 201327528
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

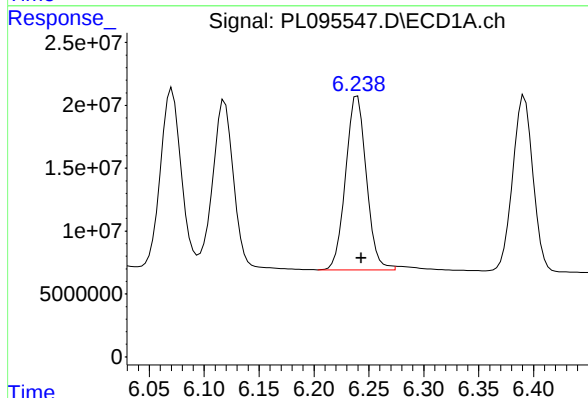
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



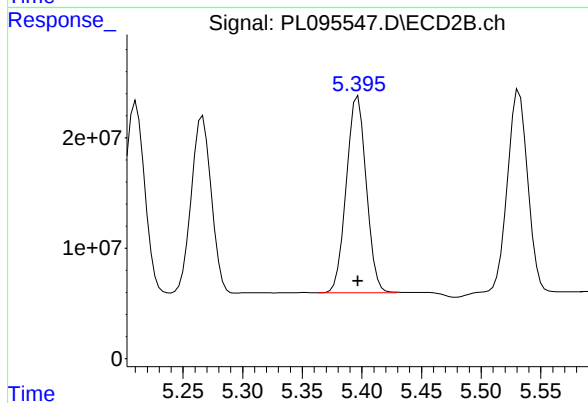
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 204699071
Conc: 51.42 ng/ml



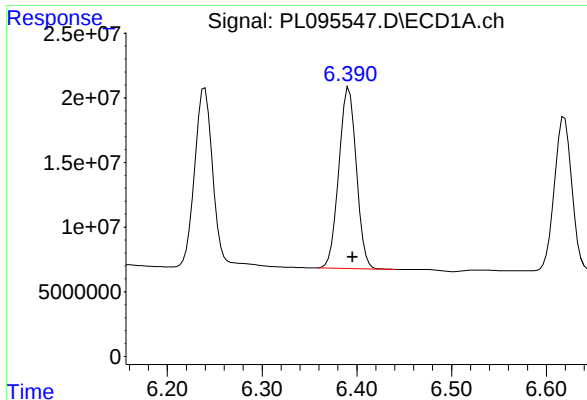
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 183084996
Conc: 46.70 ng/ml m



#12 4,4'-DDE

R.T.: 5.395 min
Delta R.T.: -0.002 min
Response: 207684793
Conc: 51.07 ng/ml m



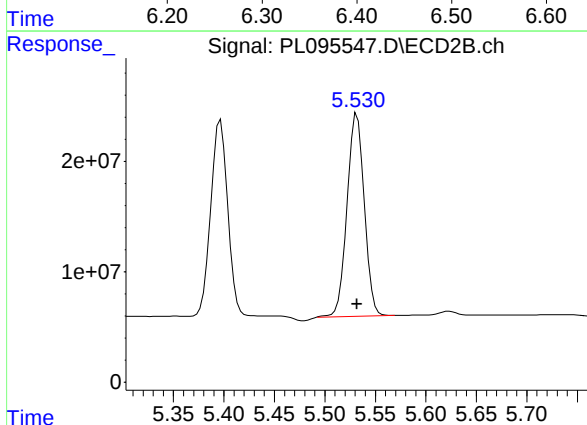
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 179340037
Conc: 46.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

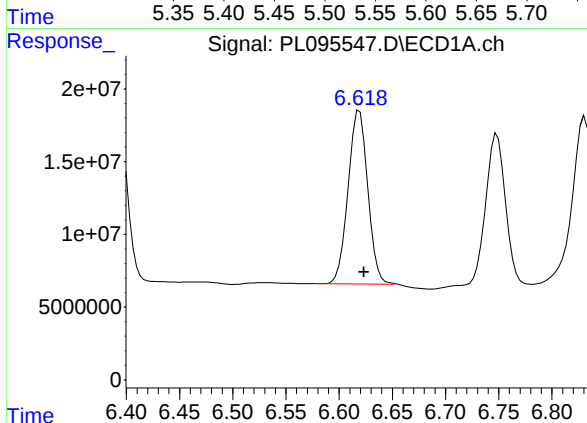
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



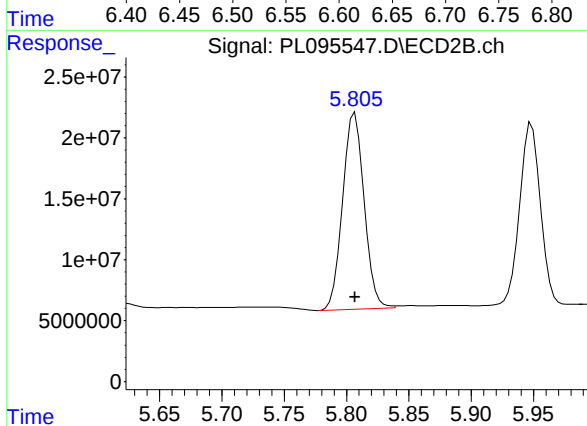
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 218986601
Conc: 53.84 ng/ml



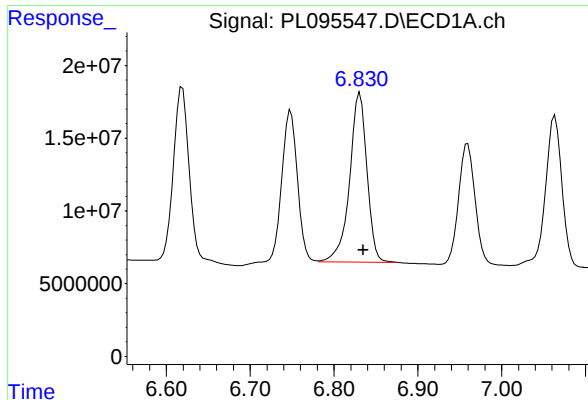
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 153187552
Conc: 48.10 ng/ml m



#14 Endrin

R.T.: 5.805 min
Delta R.T.: -0.001 min
Response: 193253633
Conc: 53.08 ng/ml m



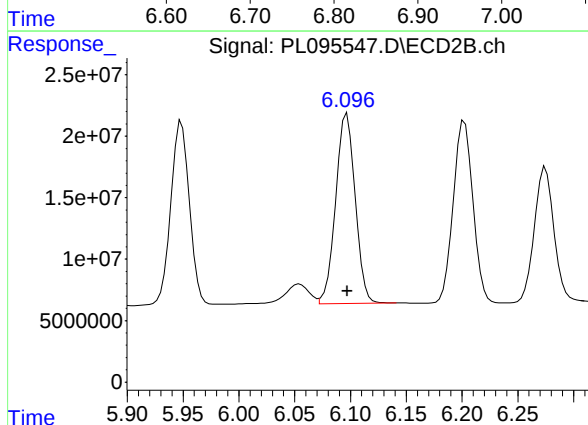
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 166707528
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

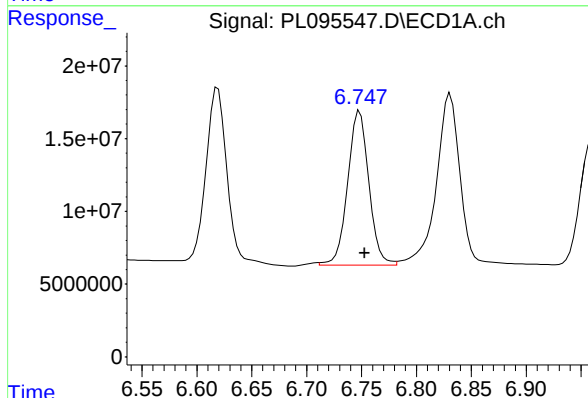
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



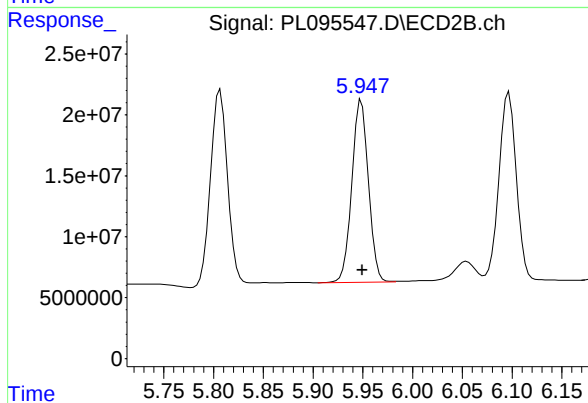
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 187921528
Conc: 52.33 ng/ml



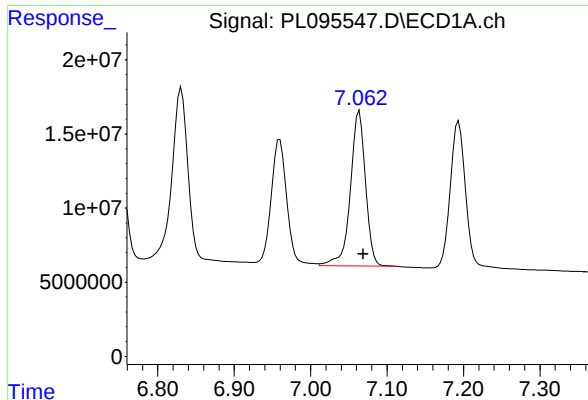
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.006 min
Response: 142120497
Conc: 50.20 ng/ml m



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 173665047
Conc: 53.16 ng/ml



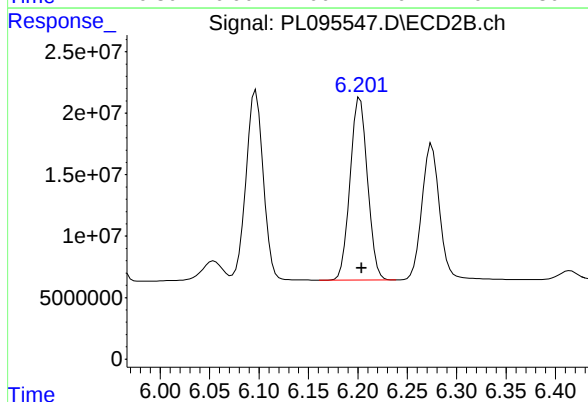
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 145438658
Conc: 51.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

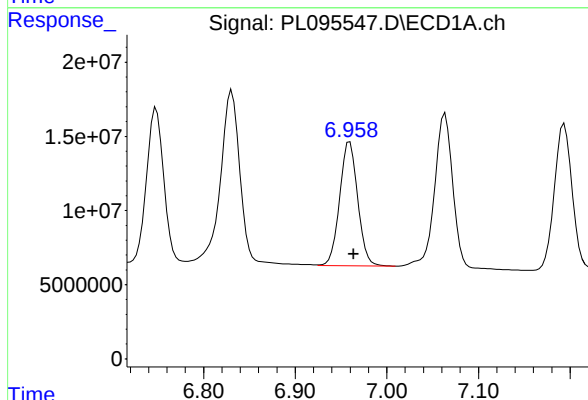
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



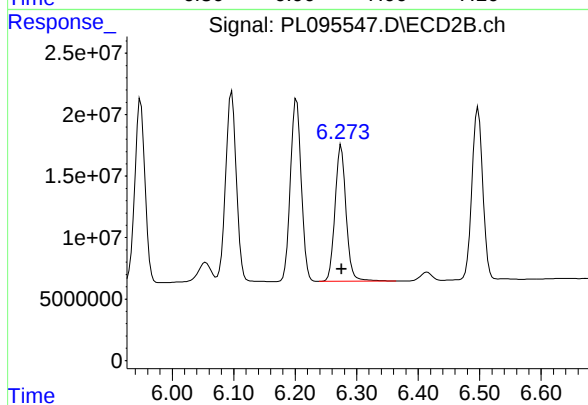
#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.002 min
Response: 181918319
Conc: 52.94 ng/ml



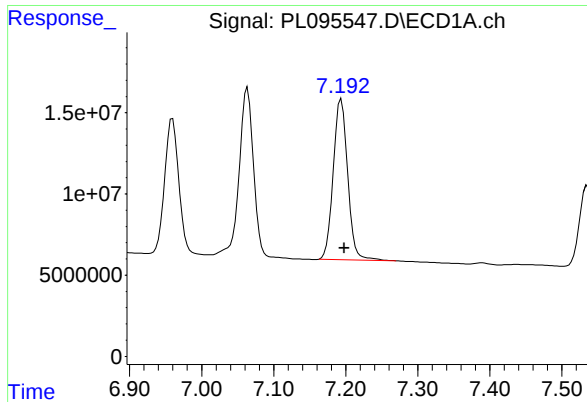
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.006 min
Response: 114862427
Conc: 49.49 ng/ml m



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 138322130
Conc: 52.93 ng/ml



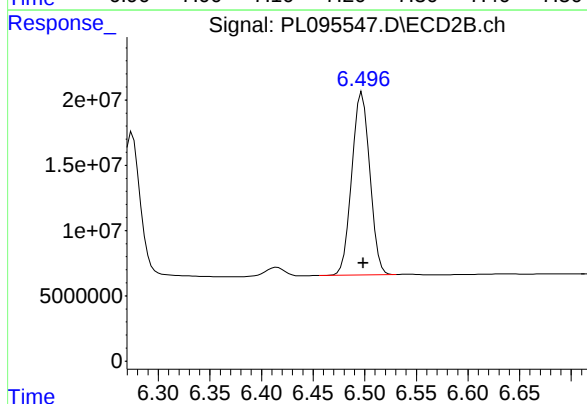
#19 Endosulfan Sulfate

R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 136495378
Conc: 48.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

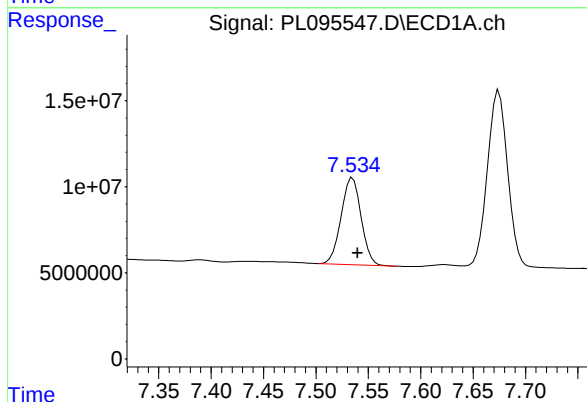
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



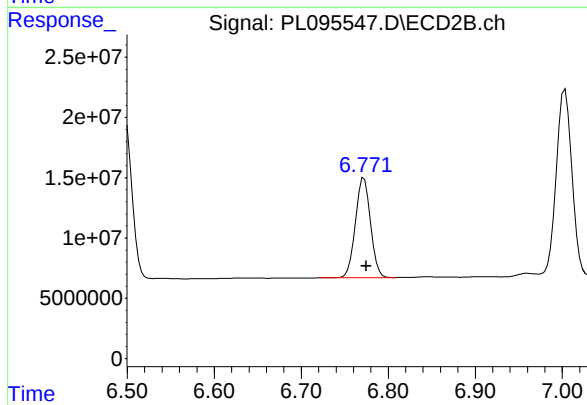
#19 Endosulfan Sulfate

R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 169978196
Conc: 51.23 ng/ml



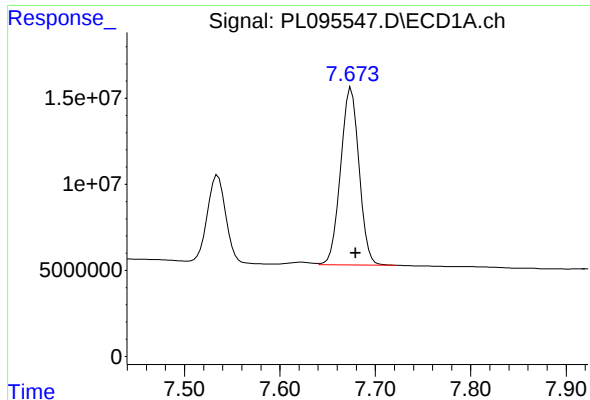
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 66901182
Conc: 47.95 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 100287966
Conc: 52.58 ng/ml



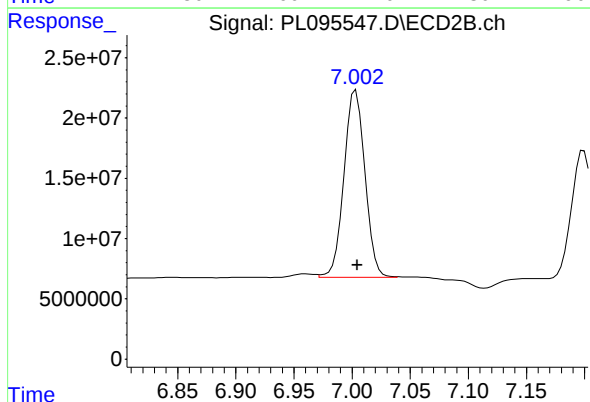
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.005 min
Response: 138358687
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

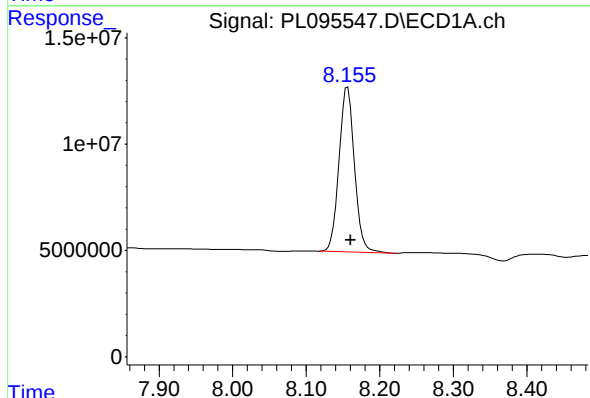
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



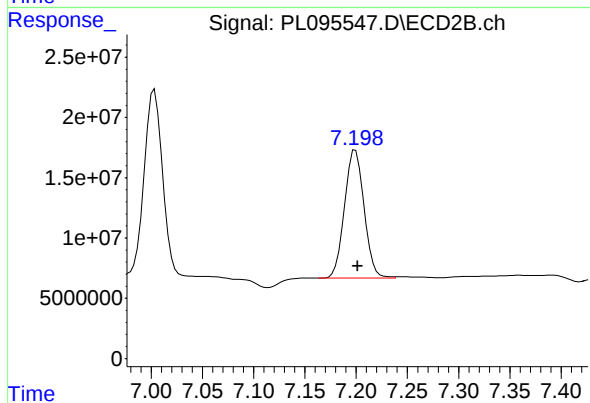
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 194238260
Conc: 55.16 ng/ml m



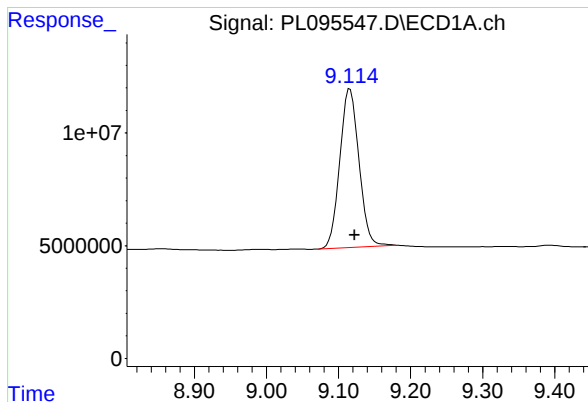
#22 Mirex

R.T.: 8.156 min
Delta R.T.: -0.005 min
Response: 113129684
Conc: 47.61 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: -0.004 min
Response: 141319763
Conc: 49.03 ng/ml m



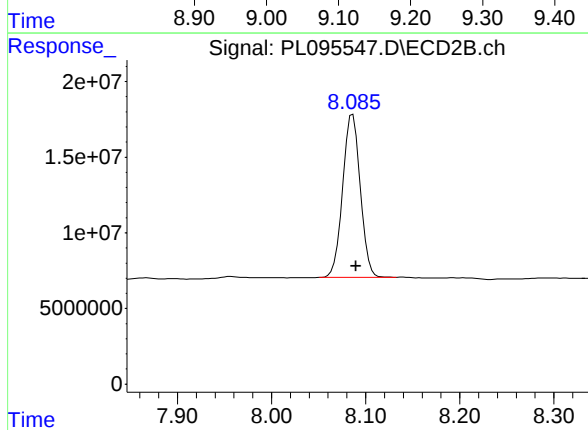
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 129694062
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.003 min
Response: 139939962
Conc: 47.29 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 21:25 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.12	9.02	9.22	0.01
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.31	5.32	5.22	5.42	0.01
Heptachlor epoxide	5.73	5.74	5.64	5.84	0.01
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.53	7.54	7.44	7.64	0.01
Endrin ketone	7.67	7.68	7.58	7.78	0.01
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 21:25 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL03 Date Analyzed: 05/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL095558.D Time Analyzed: 21:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.747	6.653	6.853	46.030	50.000	-7.9
4,4'-DDE	6.237	6.143	6.343	45.520	50.000	-9.0
4,4'-DDT	7.064	6.969	7.169	44.800	50.000	-10.4
Aldrin	5.314	5.218	5.418	46.770	50.000	-6.5
alpha-BHC	4.044	3.946	4.146	45.060	50.000	-9.9
alpha-Chlordane	6.069	5.975	6.175	47.410	50.000	-5.2
beta-BHC	4.560	4.464	4.664	45.480	50.000	-9.0
Decachlorobiphenyl	9.114	9.022	9.222	44.000	50.000	-12.0
delta-BHC	4.807	4.712	4.912	45.470	50.000	-9.1
Dieldrin	6.391	6.296	6.496	44.820	50.000	-10.4
Endosulfan I	6.117	6.023	6.223	45.470	50.000	-9.1
Endosulfan II	6.829	6.735	6.935	47.920	50.000	-4.2
Endosulfan sulfate	7.193	7.098	7.298	45.660	50.000	-8.7
Endrin	6.617	6.523	6.723	45.440	50.000	-9.1
Endrin aldehyde	6.958	6.864	7.064	44.090	50.000	-11.8
Endrin ketone	7.674	7.579	7.779	43.610	50.000	-12.8
gamma-BHC (Lindane)	4.375	4.277	4.477	44.640	50.000	-10.7
gamma-Chlordane	5.988	5.894	6.094	46.430	50.000	-7.1
Heptachlor	4.972	4.876	5.076	43.060	50.000	-13.9
Heptachlor epoxide	5.733	5.639	5.839	45.970	50.000	-8.1
Methoxychlor	7.534	7.440	7.640	42.550	50.000	-14.9
Tetrachloro-m-xylene	3.593	3.495	3.695	45.840	50.000	-8.3



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL03 Date Analyzed: 05/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL095558.D Time Analyzed: 21:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.949	5.849	6.049	53.800	50.000	7.6
4,4'-DDE	5.396	5.297	5.497	51.790	50.000	3.6
4,4'-DDT	6.202	6.104	6.304	49.960	50.000	-0.1
Aldrin	4.389	4.290	4.490	56.060	50.000	12.1
alpha-BHC	3.419	3.316	3.516	59.000	50.000	18.0
alpha-Chlordane	5.210	5.111	5.311	52.330	50.000	4.7
beta-BHC	4.046	3.944	4.144	54.760	50.000	9.5
Decachlorobiphenyl	8.085	7.989	8.189	44.200	50.000	-11.6
delta-BHC	4.282	4.180	4.380	57.440	50.000	14.9
Dieldrin	5.532	5.432	5.632	54.680	50.000	9.4
Endosulfan I	5.266	5.167	5.367	51.640	50.000	3.3
Endosulfan II	6.097	5.997	6.197	51.800	50.000	3.6
Endosulfan sulfate	6.498	6.398	6.598	49.440	50.000	-1.1
Endrin	5.807	5.707	5.907	53.840	50.000	7.7
Endrin aldehyde	6.274	6.175	6.375	49.920	50.000	-0.2
Endrin ketone	7.004	6.904	7.104	52.030	50.000	4.1
gamma-BHC (Lindane)	3.752	3.650	3.850	56.500	50.000	13.0
gamma-Chlordane	5.145	5.047	5.247	53.240	50.000	6.5
Heptachlor	4.105	4.004	4.204	52.640	50.000	5.3
Heptachlor epoxide	4.893	4.793	4.993	54.010	50.000	8.0
Methoxychlor	6.772	6.675	6.875	46.840	50.000	-6.3
Tetrachloro-m-xylene	2.909	2.806	3.006	53.760	50.000	7.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
 Data File : PL095558.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 21:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:45:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.909	149.7E6	170.9E6	45.843	53.762
28)	SA Decachlor...	9.114	8.085	121.9E6	130.8E6	44.002	44.205
Target Compounds							
2)	A alpha-BHC	4.044	3.419	223.2E6	262.5E6	45.059	58.997 #
3)	MA gamma-BHC...	4.375	3.752	211.3E6	248.5E6	44.638	56.501 #
4)	MA Heptachlor	4.972	4.105	197.0E6	229.3E6	43.059	52.635
5)	MB Aldrin	5.314	4.389	214.8E6	230.7E6	46.772	56.062m
6)	B beta-BHC	4.560	4.046	94025305	113.7E6	45.477	54.763
7)	B delta-BHC	4.807	4.282	211.5E6	251.7E6	45.468m	57.442 #
8)	B Heptachlo...	5.733	4.893	184.1E6	208.6E6	45.973m	54.008
9)	A Endosulfan I	6.117	5.266	172.7E6	189.0E6	45.469m	51.636
10)	B gamma-Chl...	5.988	5.145	189.4E6	215.8E6	46.427m	53.238m
11)	B alpha-Chl...	6.069	5.210	192.8E6	208.3E6	47.407m	52.326
12)	B 4,4'-DDE	6.237	5.396	178.5E6	210.6E6	45.520m	51.789
13)	MA Dieldrin	6.391	5.532	172.8E6	222.4E6	44.815	54.680
14)	MA Endrin	6.617	5.807	144.7E6	196.0E6	45.438m	53.843
15)	B Endosulfa...	6.829	6.097	153.0E6	186.0E6	47.924m	51.803
16)	A 4,4'-DDD	6.747	5.949	130.3E6	175.8E6	46.028m	53.804
17)	MA 4,4'-DDT	7.064	6.202	127.6E6	171.7E6	44.797	49.956
18)	B Endrin al...	6.958	6.274	102.3E6	130.4E6	44.090m	49.917
19)	B Endosulfa...	7.193	6.498	127.9E6	164.0E6	45.660	49.440
20)	A Methoxychlor	7.534	6.772	59369593	89350905	42.555	46.844
21)	B Endrin ke...	7.674	7.004	124.3E6	183.2E6	43.607	52.028
22)	Mirex	8.154	7.198	105.9E6	135.4E6	44.566m	46.959m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 21:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

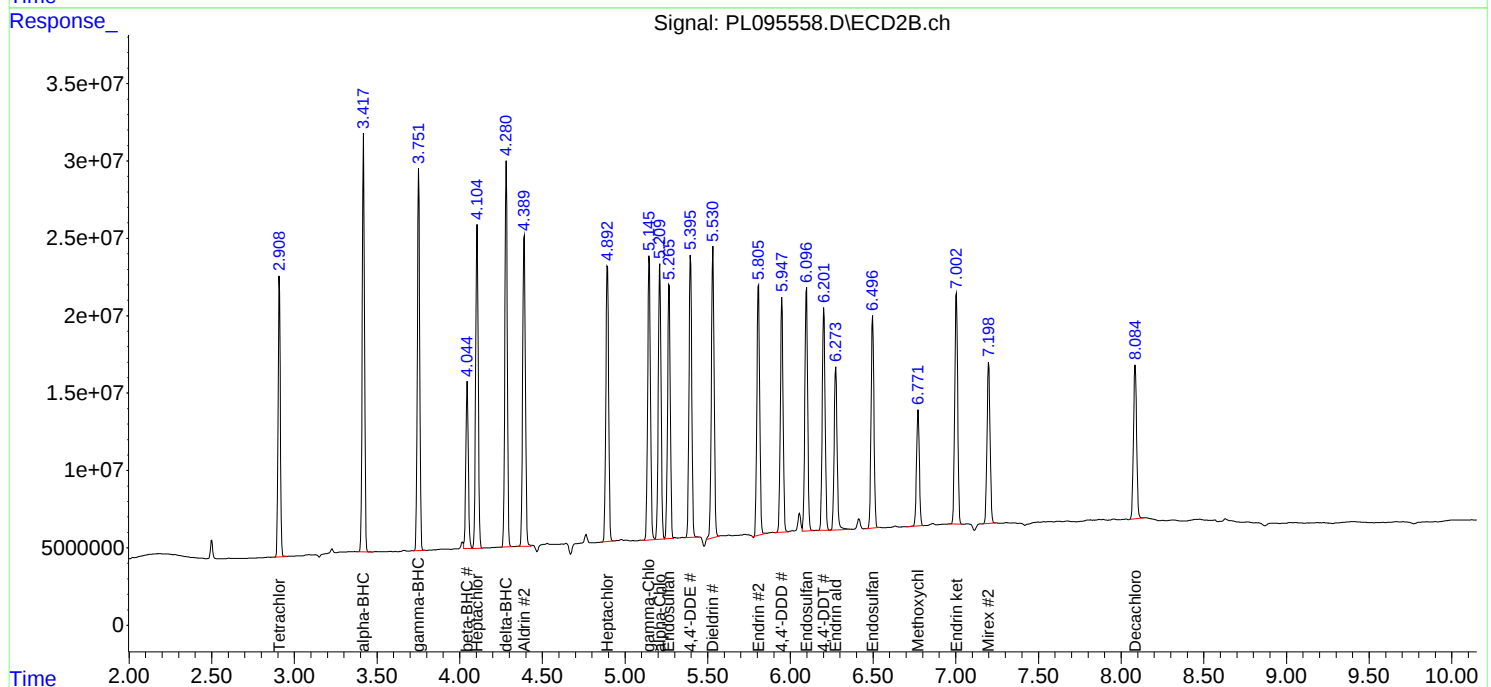
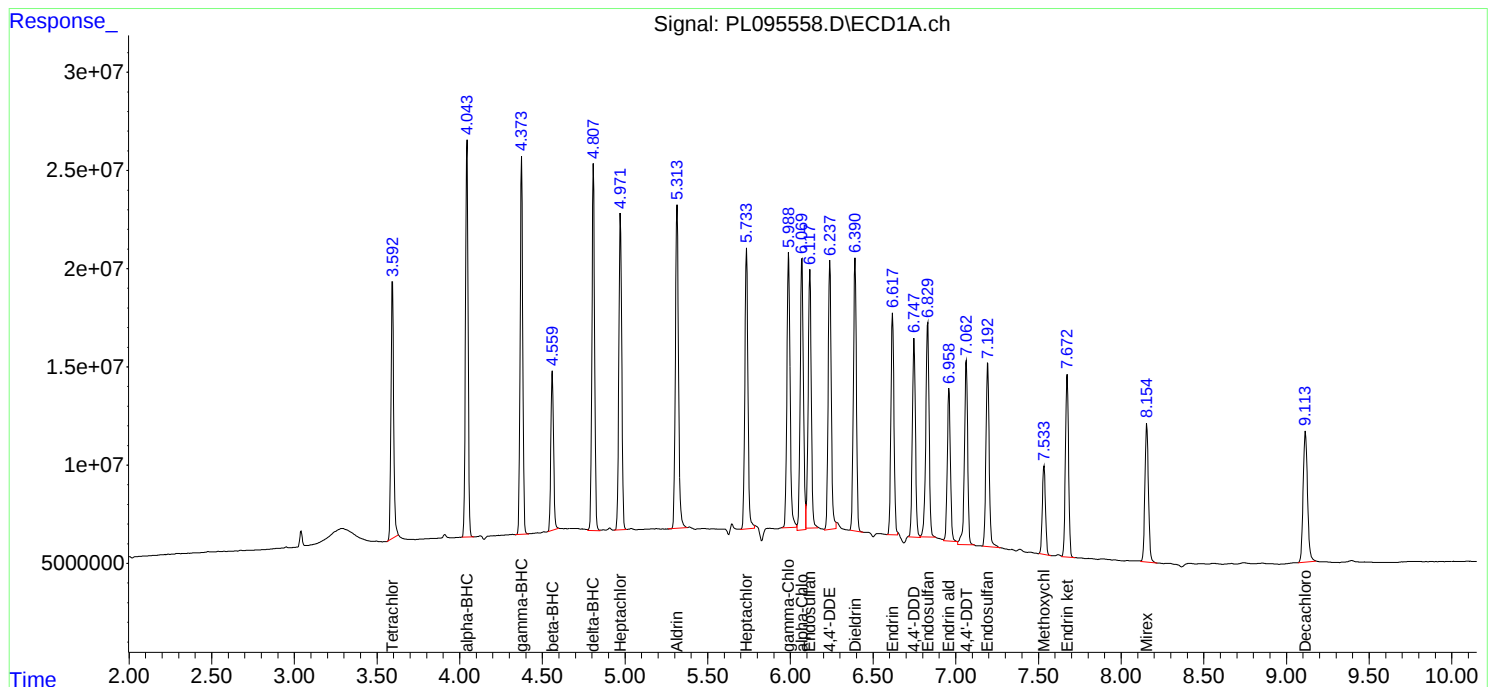
APPROVED

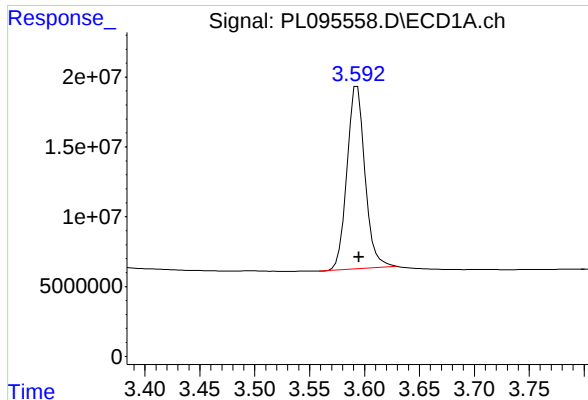
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





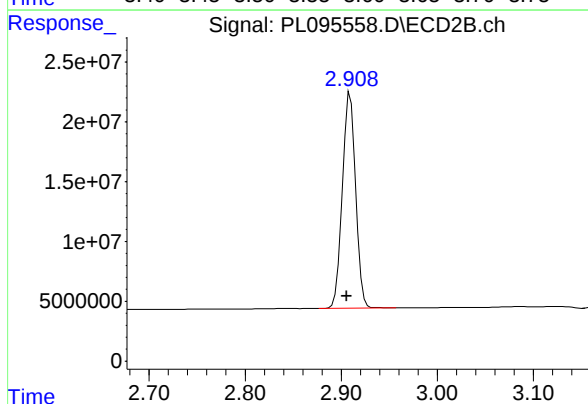
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 149663551
Conc: 45.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

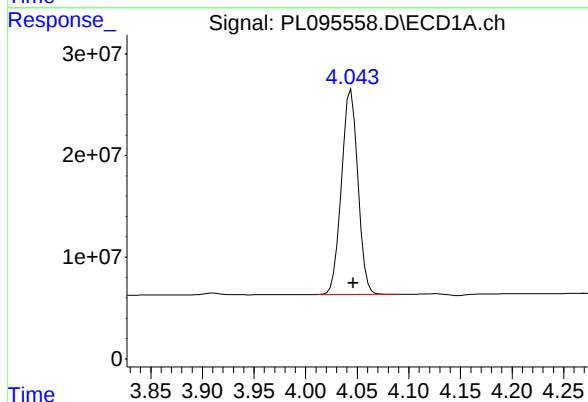
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



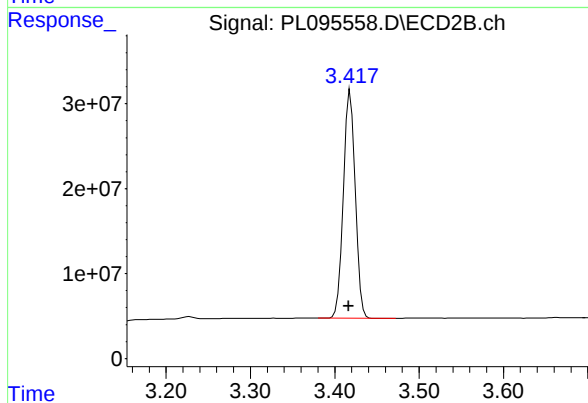
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 170948463
Conc: 53.76 ng/ml



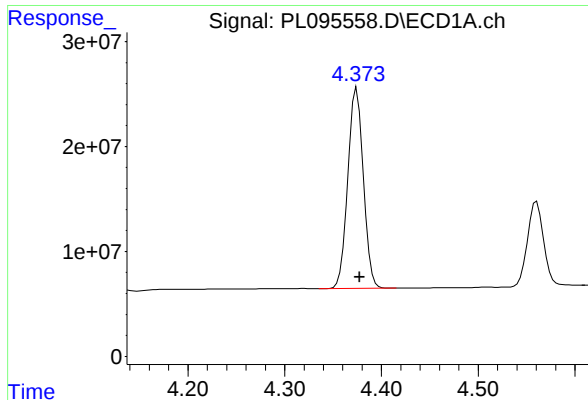
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 223209530
Conc: 45.06 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.002 min
Response: 262462142
Conc: 59.00 ng/ml



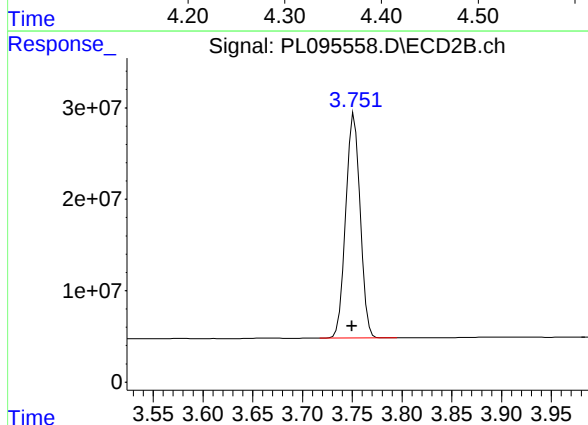
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 211316582
Conc: 44.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

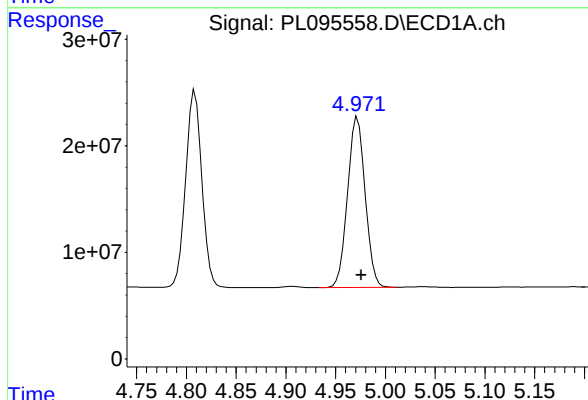
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



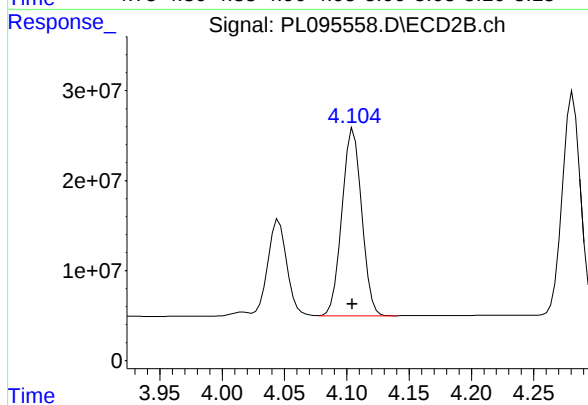
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 248505103
Conc: 56.50 ng/ml



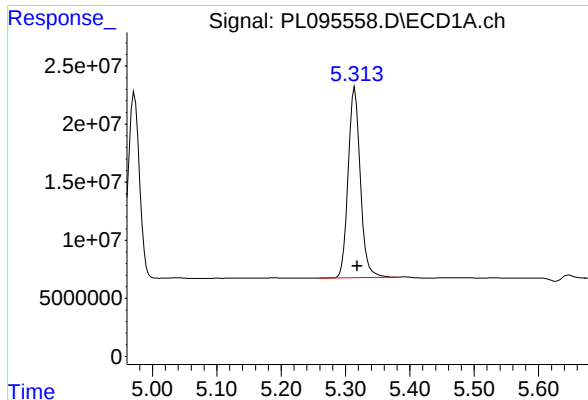
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 196971561
Conc: 43.06 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 229315647
Conc: 52.64 ng/ml



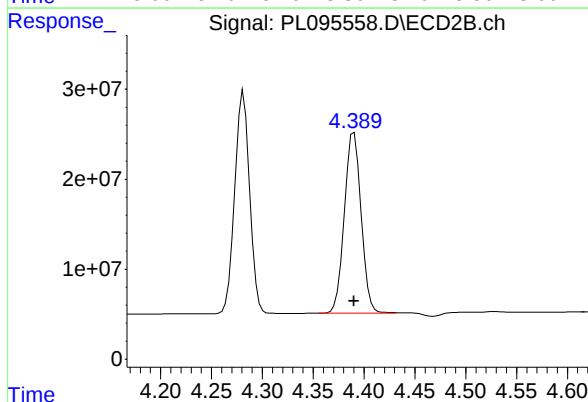
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 214823175
Conc: 46.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

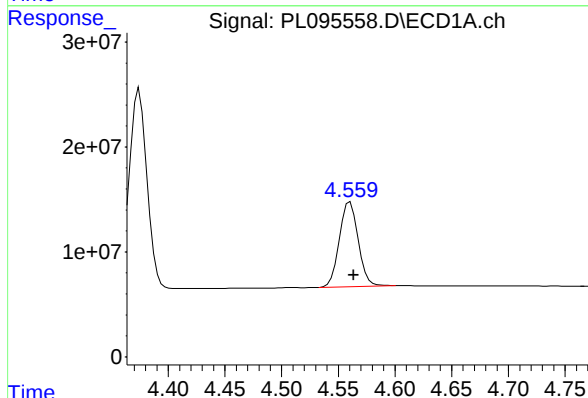
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



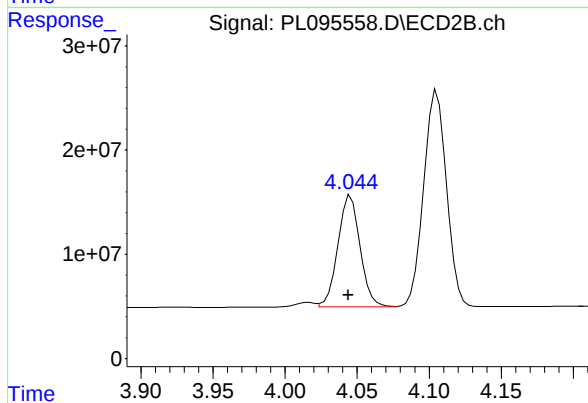
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: -0.001 min
Response: 230734739
Conc: 56.06 ng/ml



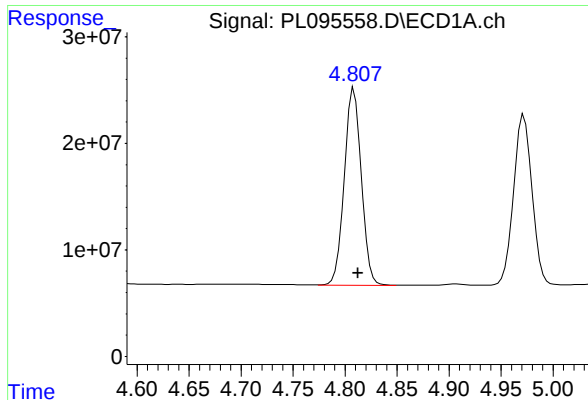
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 94025305
Conc: 45.48 ng/ml



#6 beta-BHC

R.T.: 4.046 min
Delta R.T.: 0.002 min
Response: 113679965
Conc: 54.76 ng/ml



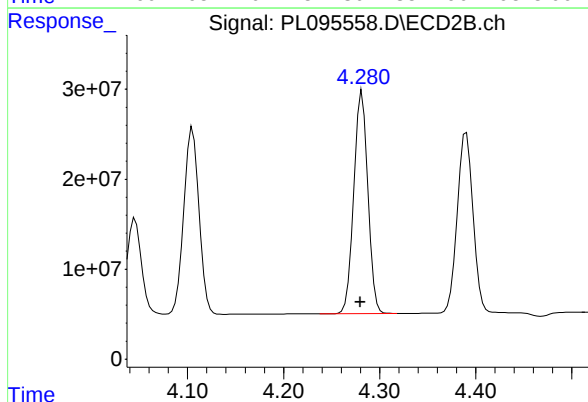
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 211455839
Conc: 45.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

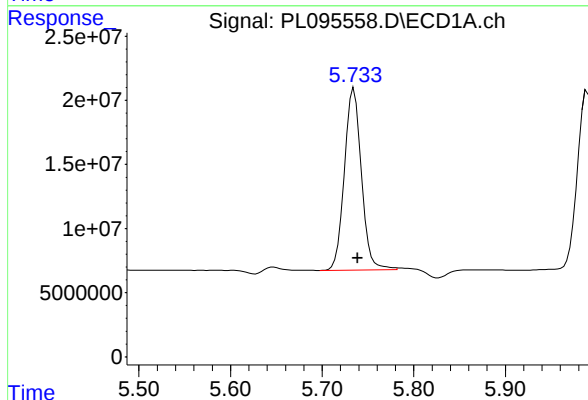
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



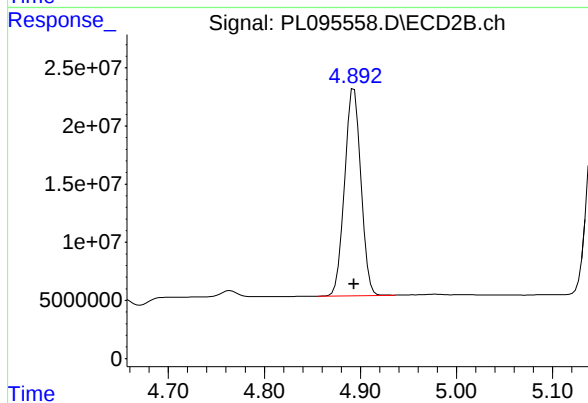
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.002 min
Response: 251710110
Conc: 57.44 ng/ml



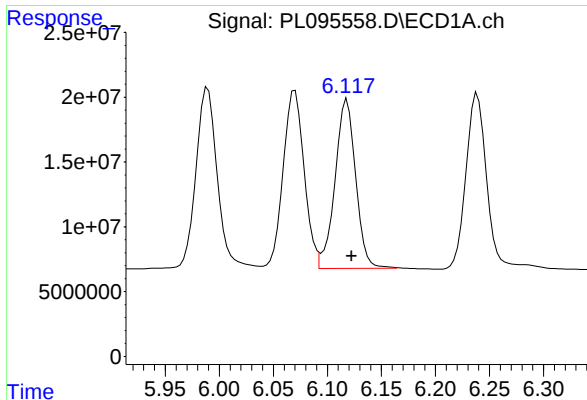
#8 Heptachlor epoxide

R.T.: 5.733 min
Delta R.T.: -0.006 min
Response: 184128383
Conc: 45.97 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 208614137
Conc: 54.01 ng/ml



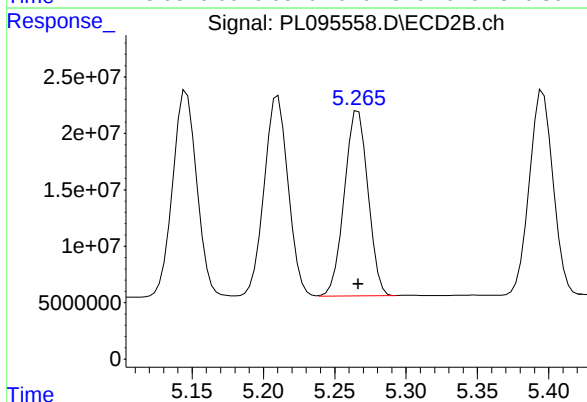
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.006 min
Response: 172667952
Conc: 45.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

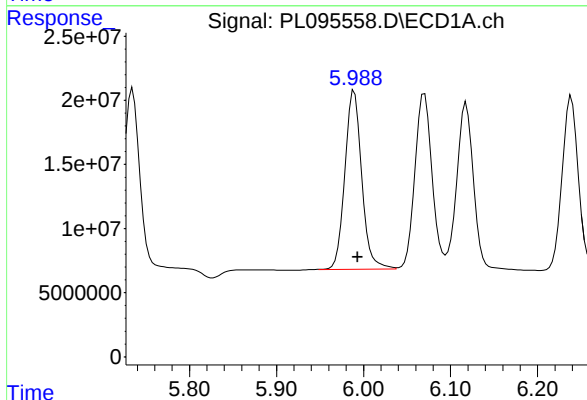
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



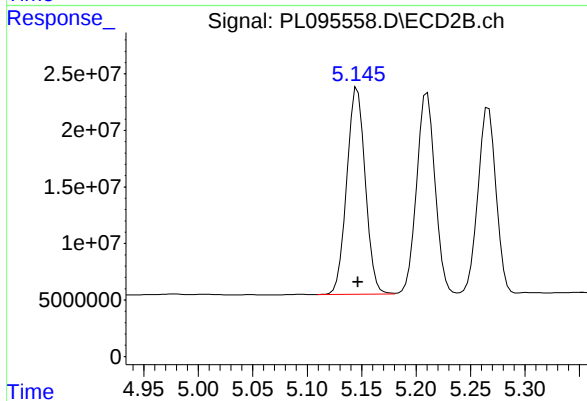
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 189011008
Conc: 51.64 ng/ml



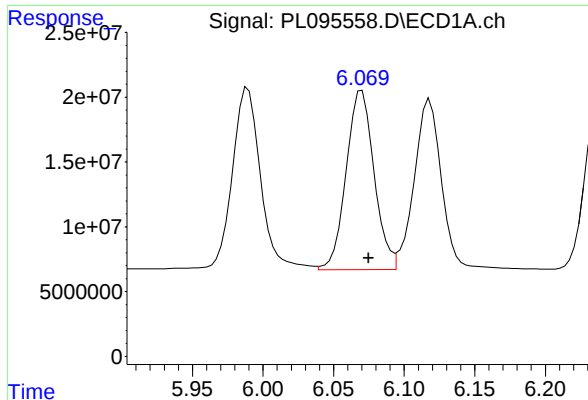
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.006 min
Response: 189391979
Conc: 46.43 ng/ml m



#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: -0.002 min
Response: 215754591
Conc: 53.24 ng/ml m



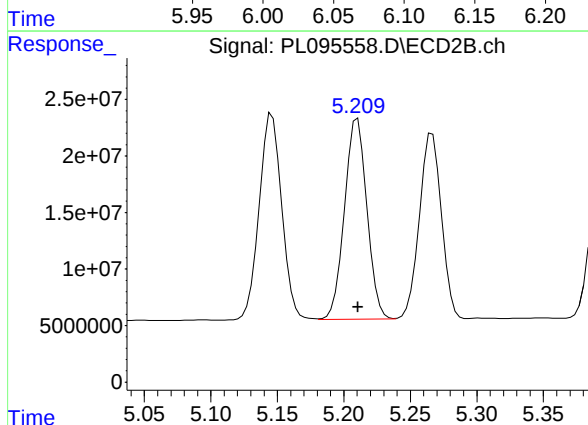
#11 alpha-Chlordane

R.T.: 6.069 min
Delta R.T.: -0.006 min
Response: 192760641
Conc: 47.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

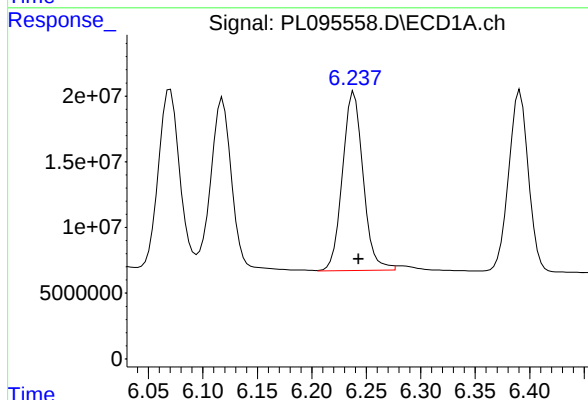
Manual Integrations
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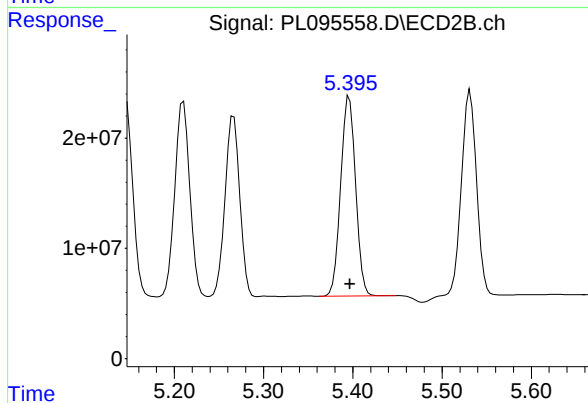
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 208313818
Conc: 52.33 ng/ml



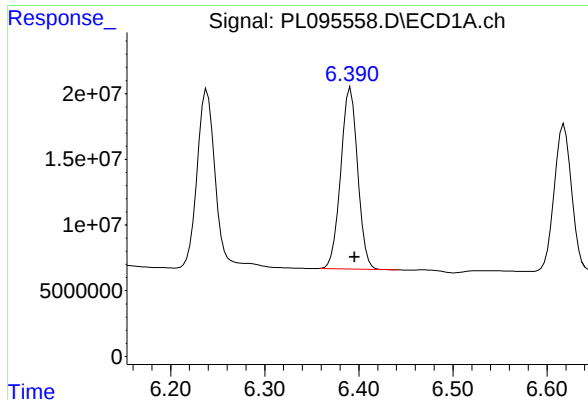
#12 4,4'-DDE

R.T.: 6.237 min
Delta R.T.: -0.006 min
Response: 178462214
Conc: 45.52 ng/ml m



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: 0.000 min
Response: 210624421
Conc: 51.79 ng/ml



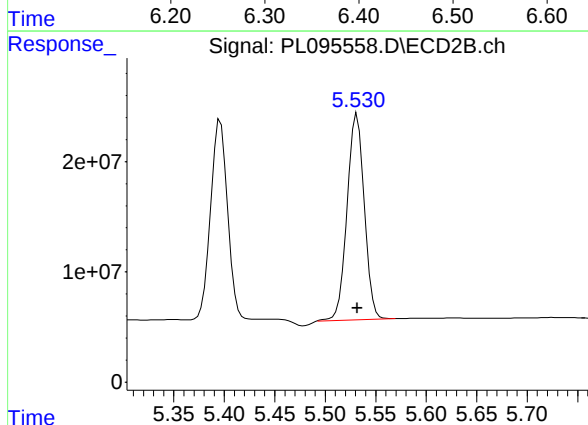
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 172754753
Conc: 44.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

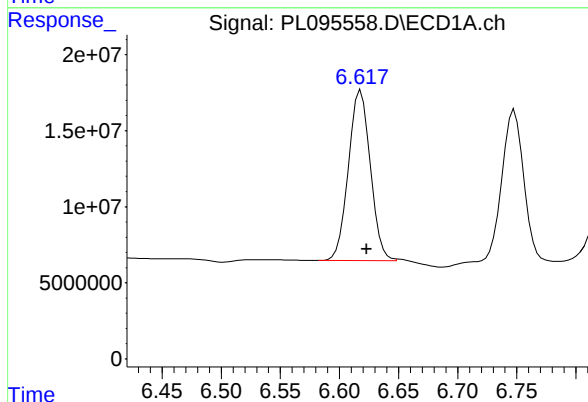
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



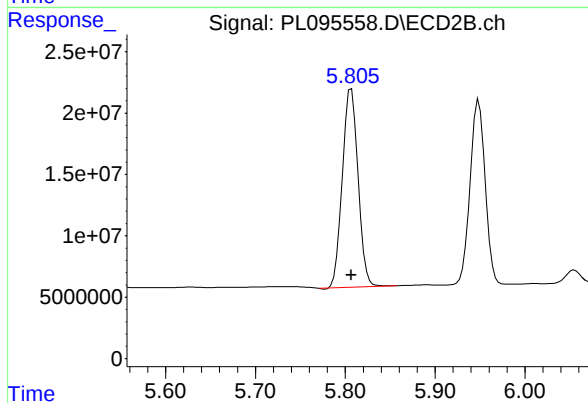
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 222388283
Conc: 54.68 ng/ml



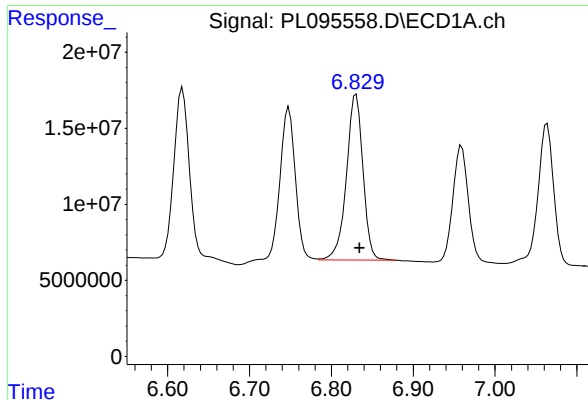
#14 Endrin

R.T.: 6.617 min
Delta R.T.: -0.006 min
Response: 144707740
Conc: 45.44 ng/ml m



#14 Endrin

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 196027363
Conc: 53.84 ng/ml



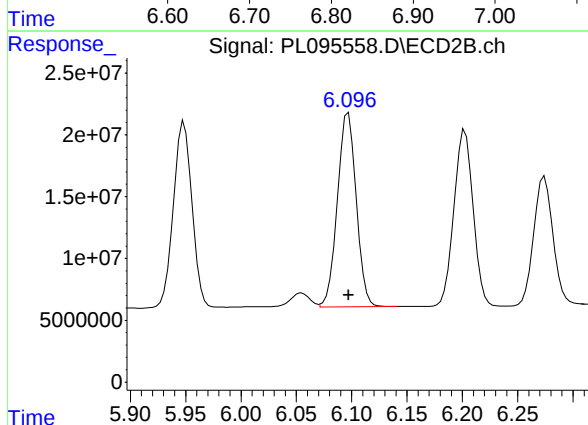
#15 Endosulfan II

R.T.: 6.829 min
Delta R.T.: -0.006 min
Response: 152981577
Conc: 47.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

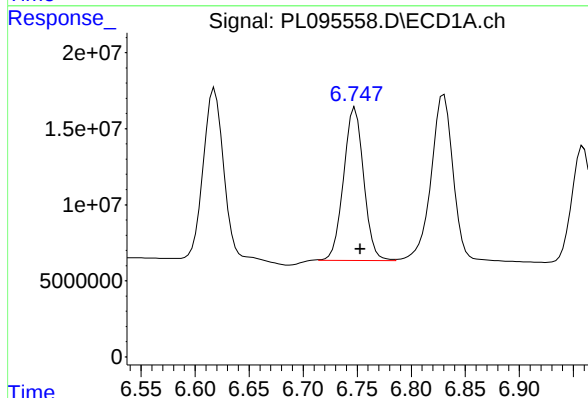
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



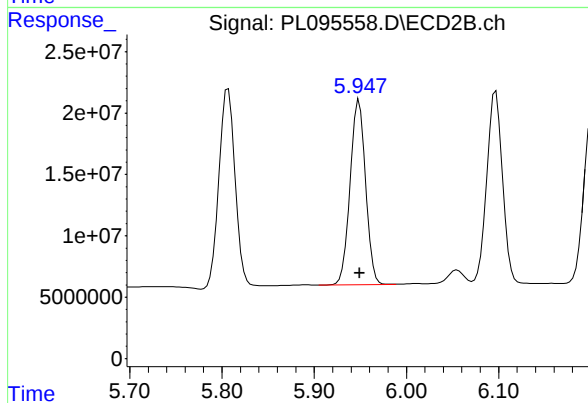
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 186031687
Conc: 51.80 ng/ml



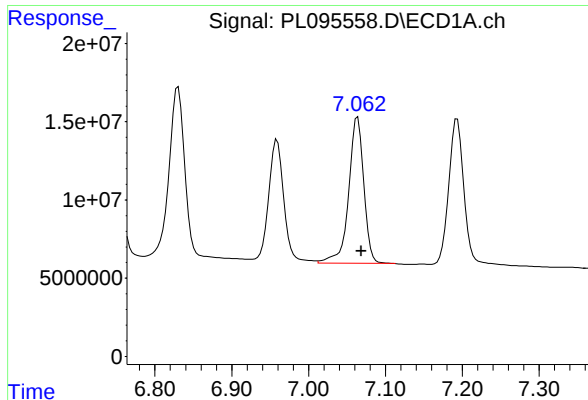
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.006 min
Response: 130301888
Conc: 46.03 ng/ml m



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 175765246
Conc: 53.80 ng/ml



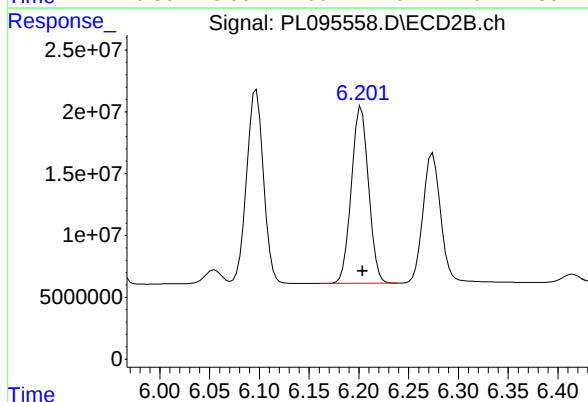
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 127608180
Conc: 44.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

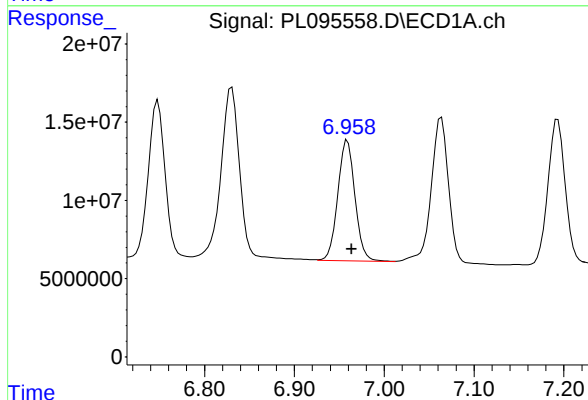
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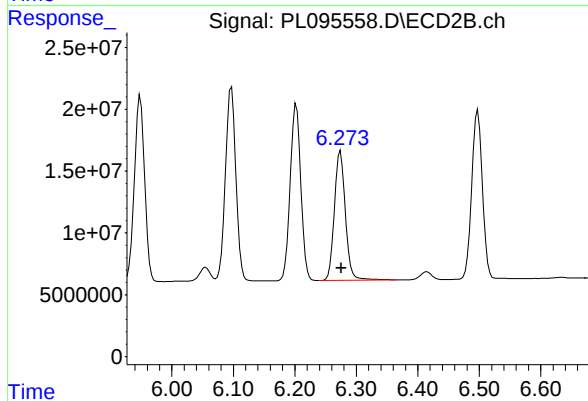
#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.001 min
Response: 171659047
Conc: 49.96 ng/ml



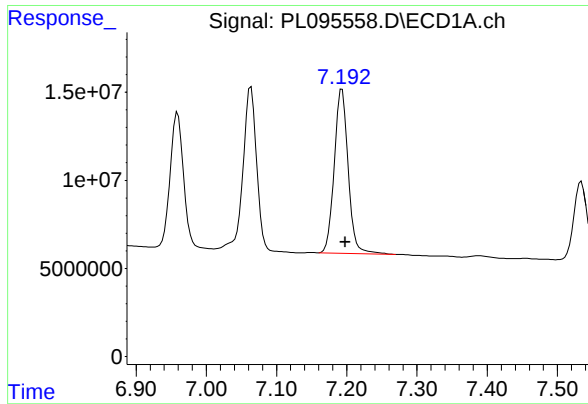
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.006 min
Response: 102325158
Conc: 44.09 ng/ml m



#18 Endrin aldehyde

R.T.: 6.274 min
Delta R.T.: -0.001 min
Response: 130441078
Conc: 49.92 ng/ml



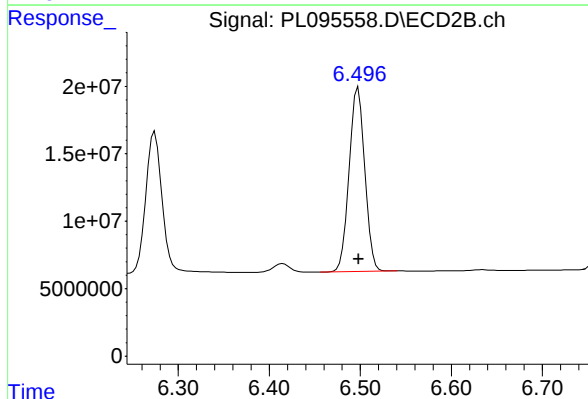
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 127929794
Conc: 45.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

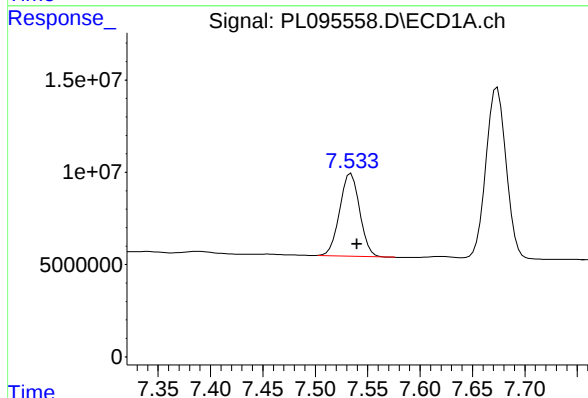
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



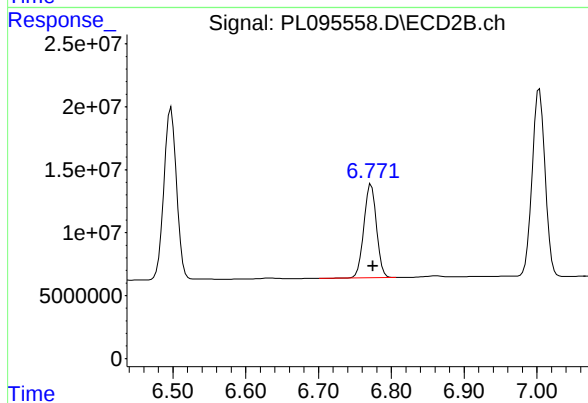
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 164039142
Conc: 49.44 ng/ml



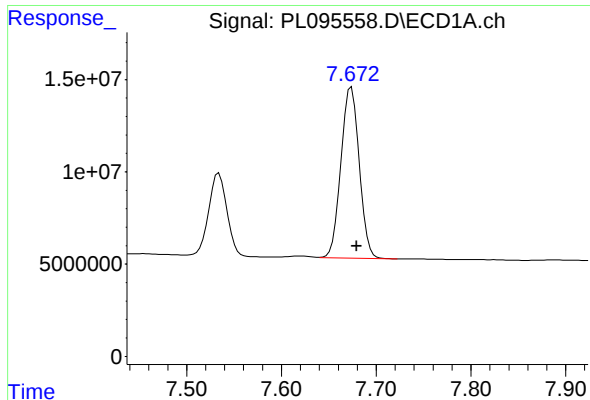
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.006 min
Response: 59369593
Conc: 42.55 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.002 min
Response: 89350905
Conc: 46.84 ng/ml



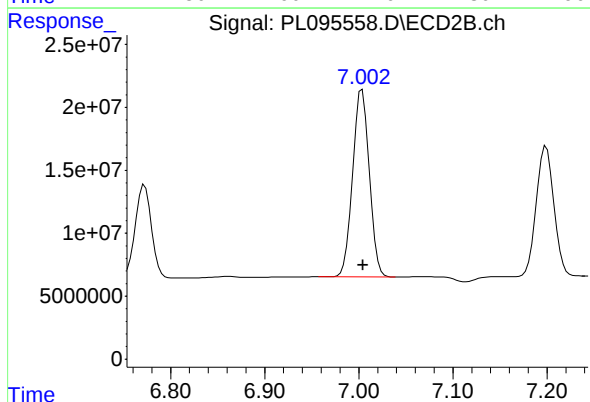
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 124316884
Conc: 43.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

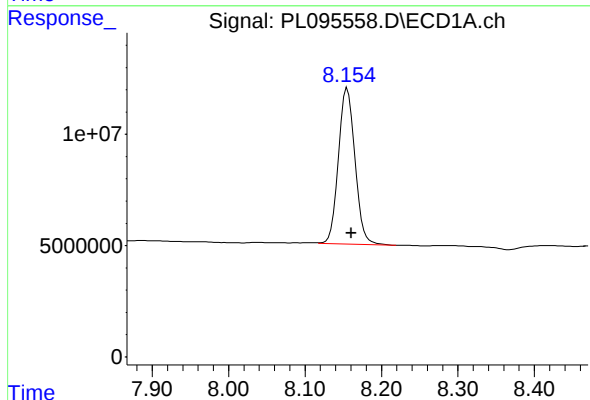
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



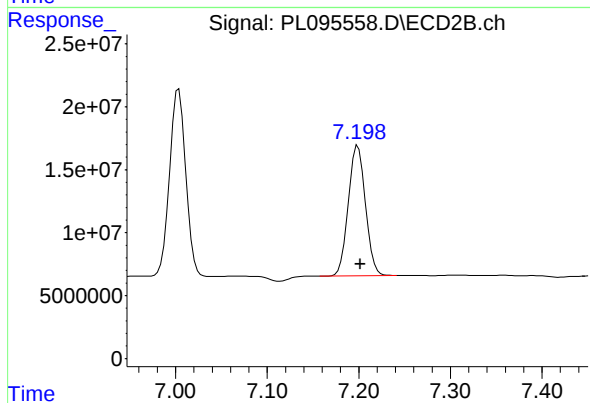
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 183204721
Conc: 52.03 ng/ml



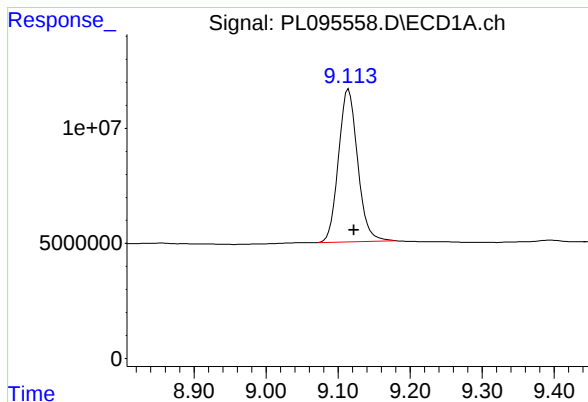
#22 Mirex

R.T.: 8.154 min
Delta R.T.: -0.007 min
Response: 105891784
Conc: 44.57 ng/ml m



#22 Mirex

R.T.: 7.198 min
Delta R.T.: -0.004 min
Response: 135355437
Conc: 46.96 ng/ml m



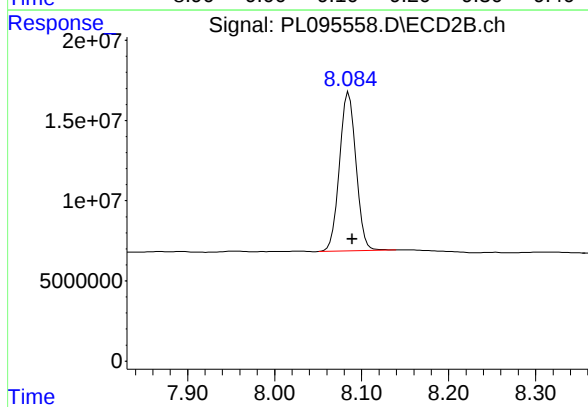
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 121920878
Conc: 44.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.004 min
Response: 130813926
Conc: 44.20 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/06/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.57	4.56	4.46	4.66	-0.01
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.00
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.40	6.40	6.30	6.50	0.00
4,4'-DDE	6.25	6.24	6.14	6.34	0.00
Endrin	6.63	6.62	6.52	6.72	-0.01
Endosulfan II	6.84	6.84	6.74	6.94	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.97	6.96	6.86	7.06	-0.01
alpha-Chlordane	6.08	6.08	5.98	6.18	0.00
gamma-Chlordane	6.00	5.99	5.89	6.09	-0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/06/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 05/06/2025

Lab Sample No.: PSTDCCC050 Data File : PL095567.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.754	6.653	6.853	46.660	50.000	-6.7
4,4'-DDE	6.245	6.143	6.343	46.650	50.000	-6.7
4,4'-DDT	7.070	6.969	7.169	44.100	50.000	-11.8
Aldrin	5.321	5.218	5.418	44.920	50.000	-10.2
alpha-BHC	4.049	3.946	4.146	42.200	50.000	-15.6
alpha-Chlordane	6.076	5.975	6.175	46.090	50.000	-7.8
beta-BHC	4.566	4.464	4.664	42.620	50.000	-14.8
Decachlorobiphenyl	9.124	9.022	9.222	42.350	50.000	-15.3
delta-BHC	4.813	4.712	4.912	42.250	50.000	-15.5
Dieldrin	6.398	6.296	6.496	44.760	50.000	-10.5
Endosulfan I	6.124	6.023	6.223	45.940	50.000	-8.1
Endosulfan II	6.837	6.735	6.935	46.120	50.000	-7.8
Endosulfan sulfate	7.199	7.098	7.298	45.280	50.000	-9.4
Endrin	6.625	6.523	6.723	42.070	50.000	-15.9
Endrin aldehyde	6.966	6.864	7.064	44.530	50.000	-10.9
Endrin ketone	7.681	7.579	7.779	45.560	50.000	-8.9
gamma-BHC (Lindane)	4.379	4.277	4.477	42.250	50.000	-15.5
gamma-Chlordane	5.996	5.894	6.094	46.750	50.000	-6.5
Heptachlor	4.979	4.876	5.076	42.540	50.000	-14.9
Heptachlor epoxide	5.741	5.639	5.839	46.520	50.000	-7.0
Methoxychlor	7.540	7.440	7.640	43.030	50.000	-13.9
Tetrachloro-m-xylene	3.596	3.495	3.695	44.430	50.000	-11.1



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 05/06/2025

Lab Sample No.: PSTDCCC050 Data File : PL095567.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.952	5.849	6.049	56.560	50.000	13.1
4,4'-DDE	5.399	5.297	5.497	53.230	50.000	6.5
4,4'-DDT	6.206	6.104	6.304	53.990	50.000	8.0
Aldrin	4.392	4.290	4.490	55.460	50.000	10.9
alpha-BHC	3.419	3.316	3.516	56.680	50.000	13.4
alpha-Chlordane	5.213	5.111	5.311	53.380	50.000	6.8
beta-BHC	4.047	3.944	4.144	52.080	50.000	4.2
Decachlorobiphenyl	8.091	7.989	8.189	46.810	50.000	-6.4
delta-BHC	4.283	4.180	4.380	55.870	50.000	11.7
Dieldrin	5.534	5.432	5.632	54.500	50.000	9.0
Endosulfan I	5.269	5.167	5.367	55.010	50.000	10.0
Endosulfan II	6.100	5.997	6.197	54.330	50.000	8.7
Endosulfan sulfate	6.502	6.398	6.598	53.380	50.000	6.8
Endrin	5.810	5.707	5.907	53.640	50.000	7.3
Endrin aldehyde	6.278	6.175	6.375	53.250	50.000	6.5
Endrin ketone	7.007	6.904	7.104	57.570	50.000	15.1
gamma-BHC (Lindane)	3.752	3.650	3.850	54.620	50.000	9.2
gamma-Chlordane	5.149	5.047	5.247	53.610	50.000	7.2
Heptachlor	4.107	4.004	4.204	53.010	50.000	6.0
Heptachlor epoxide	4.896	4.793	4.993	54.060	50.000	8.1
Methoxychlor	6.776	6.675	6.875	51.400	50.000	2.8
Tetrachloro-m-xylene	2.909	2.806	3.006	52.270	50.000	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
 Data File : PL095567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 16:37
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:41:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.596	2.909	145.0E6	166.2E6	44.429m	52.266
28) SA Decachlor...	9.124	8.091	117.4E6	138.5E6	42.353	46.812
Target Compounds						
2) A alpha-BHC	4.049	3.419	209.0E6	252.2E6	42.195	56.681 #
3) MA gamma-BHC...	4.379	3.752	200.0E6	240.2E6	42.252m	54.622 #
4) MA Heptachlor	4.979	4.107	194.6E6	230.9E6	42.539	53.005
5) MB Aldrin	5.321	4.392	206.3E6	228.2E6	44.920	55.456
6) B beta-BHC	4.566	4.047	88108572	108.1E6	42.616	52.080
7) B delta-BHC	4.813	4.283	196.5E6	244.8E6	42.252m	55.866 #
8) B Heptachlo...	5.741	4.896	186.3E6	208.8E6	46.518	54.059
9) A Endosulfan I	6.124	5.269	174.5E6	201.4E6	45.941	55.009
10) B gamma-Chl...	5.996	5.149	190.7E6	217.3E6	46.750	53.611
11) B alpha-Chl...	6.076	5.213	187.4E6	212.5E6	46.090	53.379
12) B 4,4'-DDE	6.245	5.399	182.9E6	216.5E6	46.653	53.232
13) MA Dieldrin	6.398	5.534	172.5E6	221.7E6	44.759	54.500
14) MA Endrin	6.625	5.810	134.0E6	195.3E6	42.069	53.644 #
15) B Endosulfa...	6.837	6.100	147.2E6	195.1E6	46.122	54.328
16) A 4,4'-DDD	6.754	5.952	132.1E6	184.8E6	46.656	56.563
17) MA 4,4'-DDT	7.070	6.206	125.6E6	185.5E6	44.100	53.989
18) B Endrin al...	6.966	6.278	103.3E6	139.2E6	44.532	53.250
19) B Endosulfa...	7.199	6.502	126.9E6	177.1E6	45.281	53.379
20) A Methoxychlor	7.540	6.776	60039251	98039780	43.035	51.399
21) B Endrin ke...	7.681	7.007	129.9E6	202.7E6	45.563	57.569 #
22) Mirex	8.162	7.203	105.5E6	149.5E6	44.422	51.879m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 16:37
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

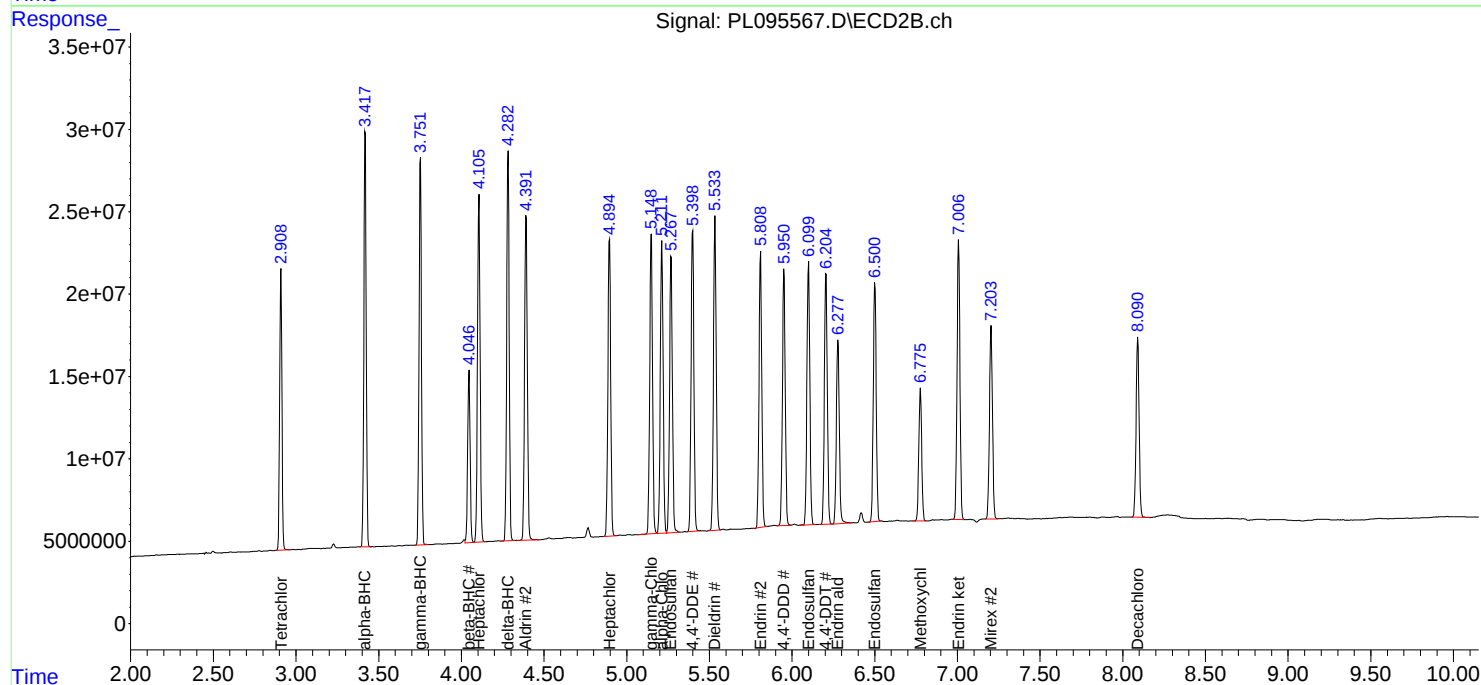
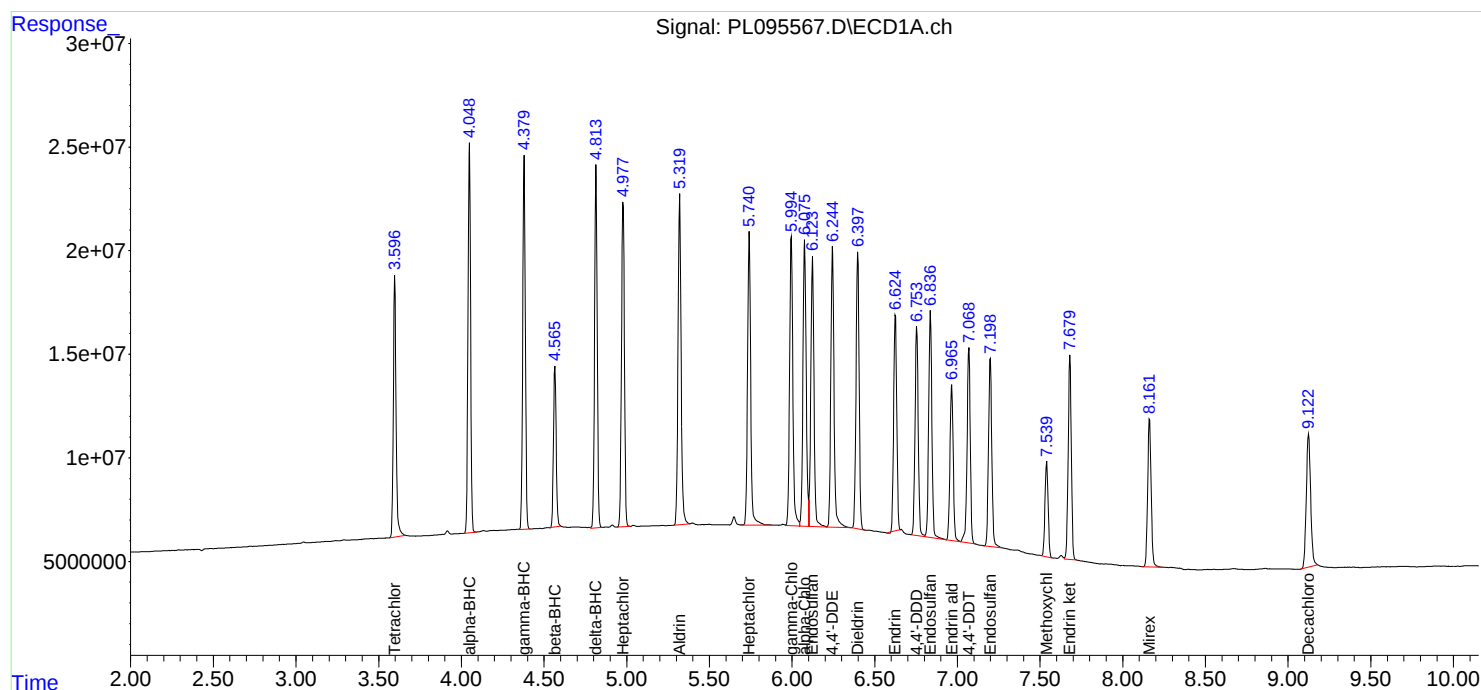
APPROVED

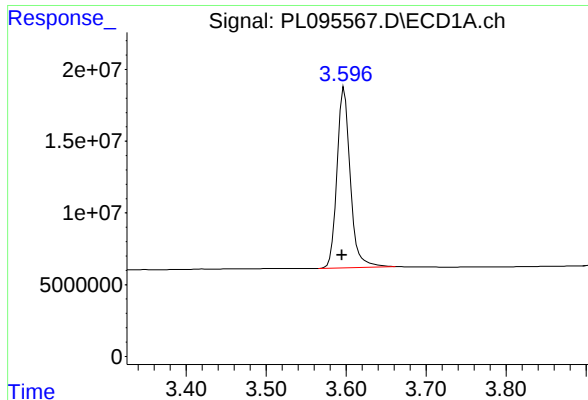
Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





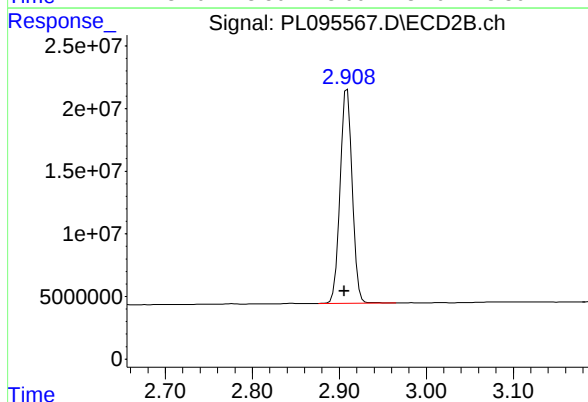
#1 Tetrachloro-m-xylene

R.T.: 3.596 min
Delta R.T.: 0.001 min
Response: 145047596
Conc: 44.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

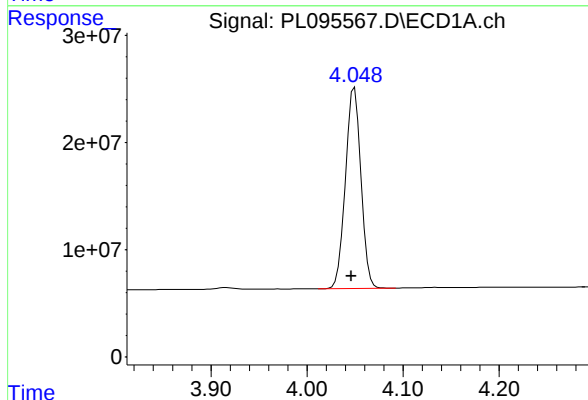
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



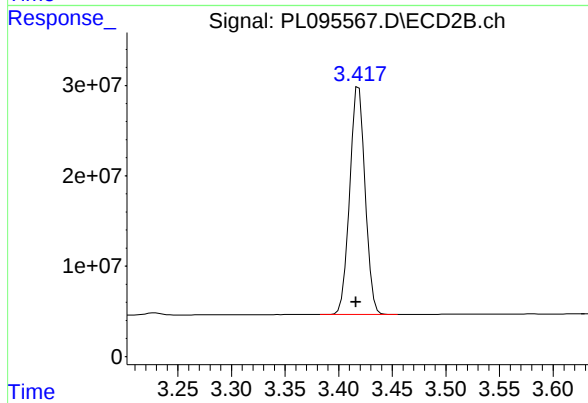
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 166193196
Conc: 52.27 ng/ml



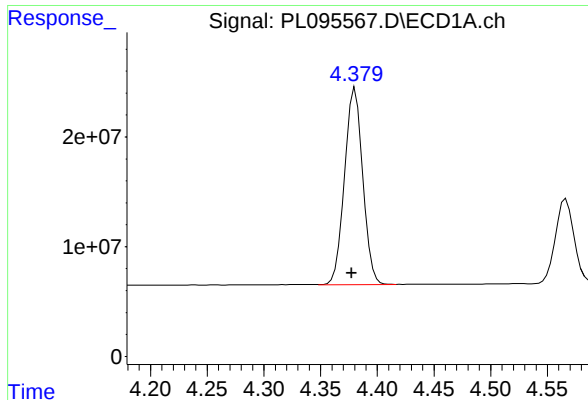
#2 alpha-BHC

R.T.: 4.049 min
Delta R.T.: 0.003 min
Response: 209025295
Conc: 42.20 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 252158921
Conc: 56.68 ng/ml



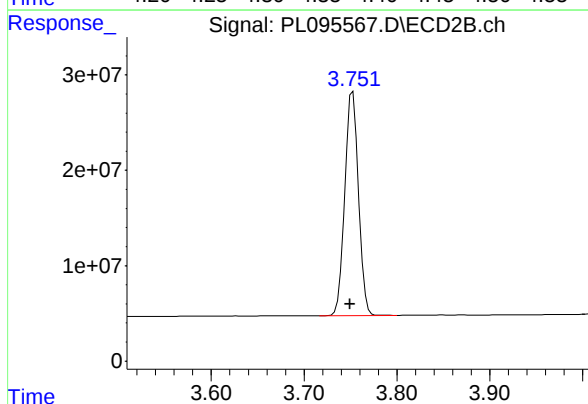
#3 gamma-BHC (Lindane)

R.T.: 4.379 min
Delta R.T.: 0.002 min
Response: 200018062
Conc: 42.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

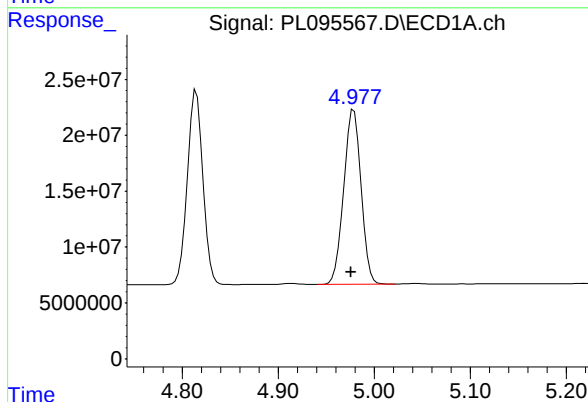
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



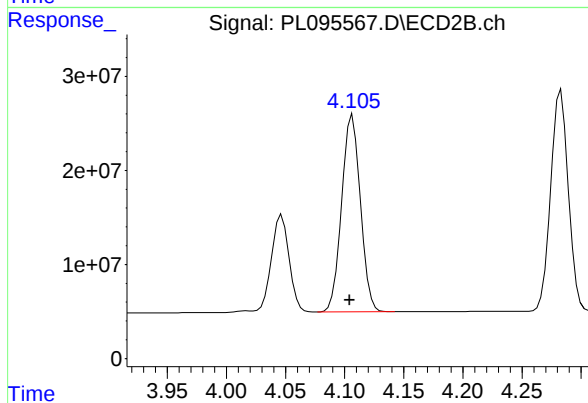
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.003 min
Response: 240239649
Conc: 54.62 ng/ml



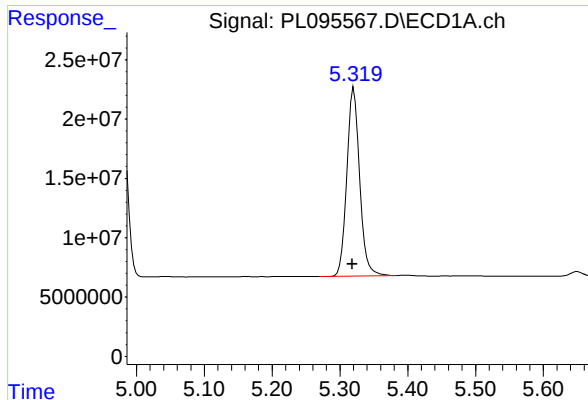
#4 Heptachlor

R.T.: 4.979 min
Delta R.T.: 0.003 min
Response: 194592844
Conc: 42.54 ng/ml



#4 Heptachlor

R.T.: 4.107 min
Delta R.T.: 0.002 min
Response: 230927332
Conc: 53.01 ng/ml



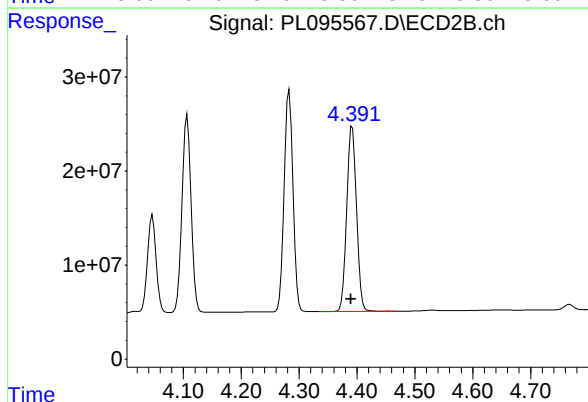
#5 Aldrin

R.T.: 5.321 min
Delta R.T.: 0.002 min
Response: 206319142
Conc: 44.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

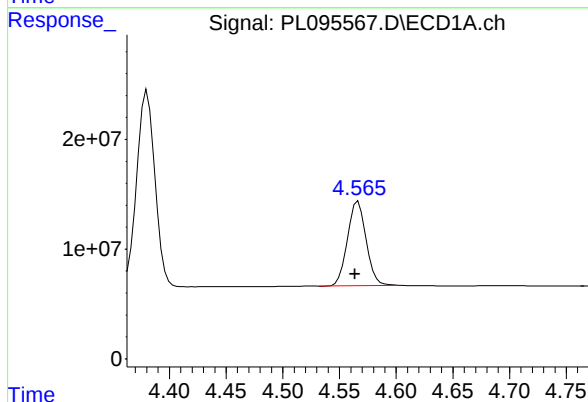
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



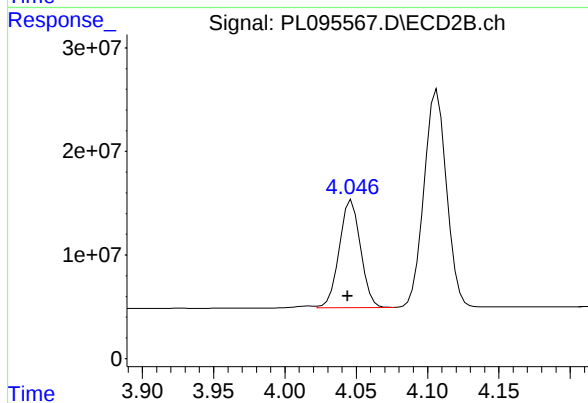
#5 Aldrin

R.T.: 4.392 min
Delta R.T.: 0.002 min
Response: 228240819
Conc: 55.46 ng/ml



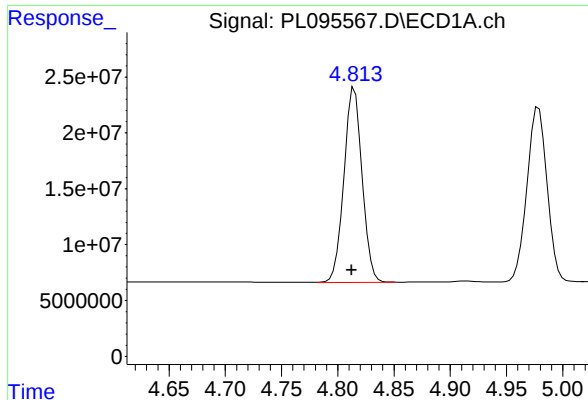
#6 beta-BHC

R.T.: 4.566 min
Delta R.T.: 0.003 min
Response: 88108572
Conc: 42.62 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.003 min
Response: 108111160
Conc: 52.08 ng/ml



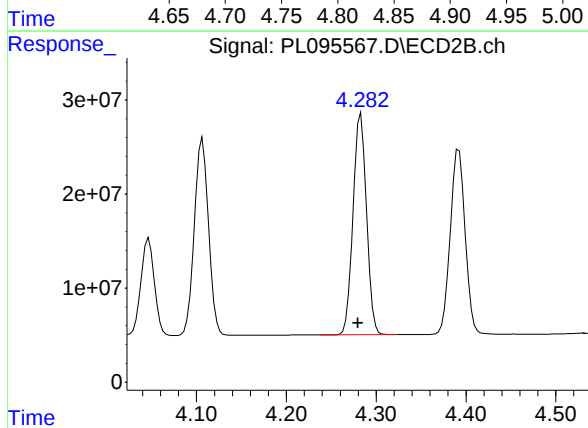
#7 delta-BHC

R.T.: 4.813 min
Delta R.T.: 0.001 min
Response: 196500919
Conc: 42.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

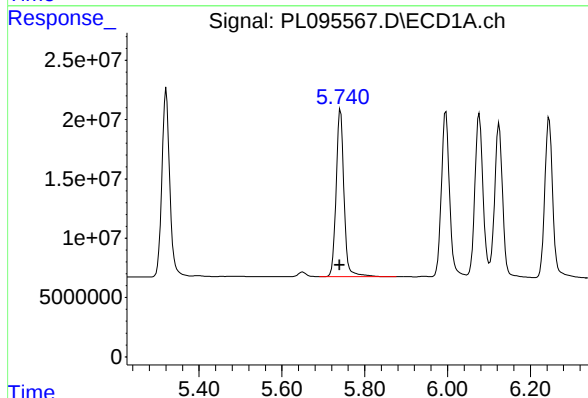
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



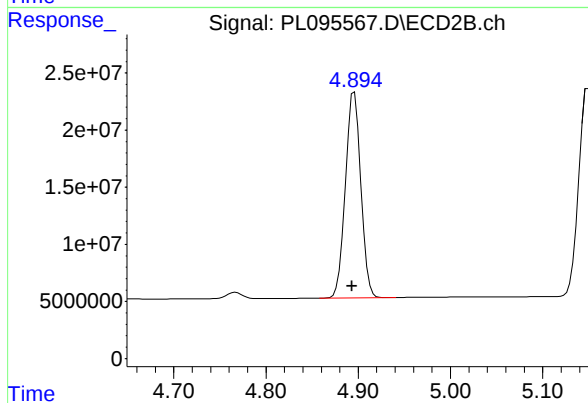
#7 delta-BHC

R.T.: 4.283 min
Delta R.T.: 0.003 min
Response: 244801558
Conc: 55.87 ng/ml



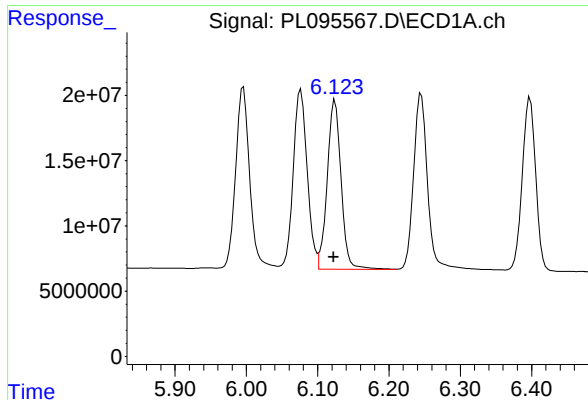
#8 Heptachlor epoxide

R.T.: 5.741 min
Delta R.T.: 0.003 min
Response: 186311912
Conc: 46.52 ng/ml



#8 Heptachlor epoxide

R.T.: 4.896 min
Delta R.T.: 0.002 min
Response: 208810226
Conc: 54.06 ng/ml



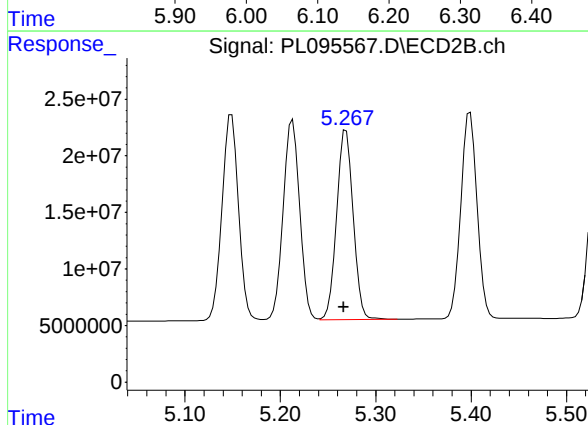
#9 Endosulfan I

R.T.: 6.124 min
Delta R.T.: 0.002 min
Response: 174461792
Conc: 45.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

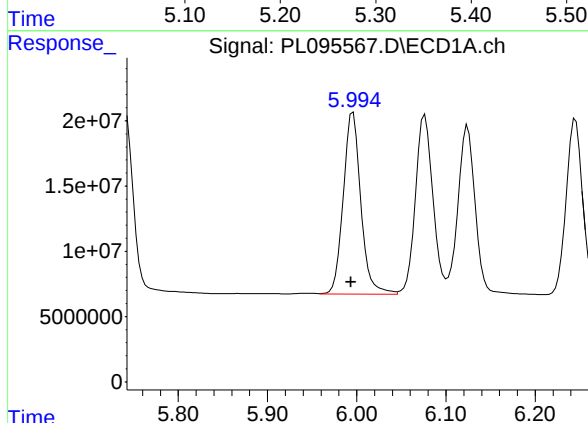
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



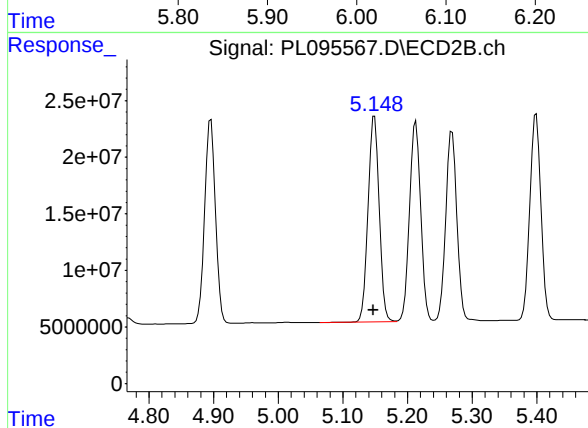
#9 Endosulfan I

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 201354620
Conc: 55.01 ng/ml



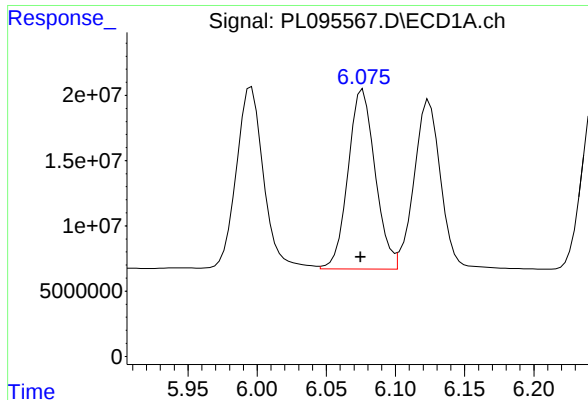
#10 gamma-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.002 min
Response: 190709344
Conc: 46.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.149 min
Delta R.T.: 0.002 min
Response: 217267363
Conc: 53.61 ng/ml



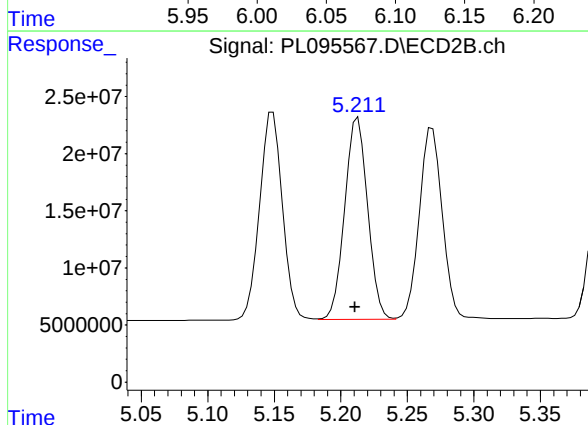
#11 alpha-Chlordane

R.T.: 6.076 min
Delta R.T.: 0.002 min
Response: 187407839
Conc: 46.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

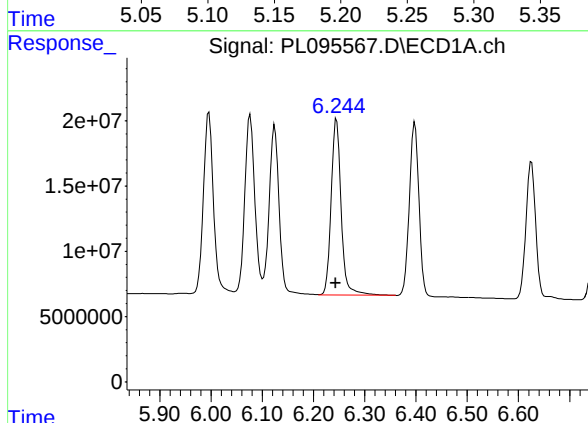
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



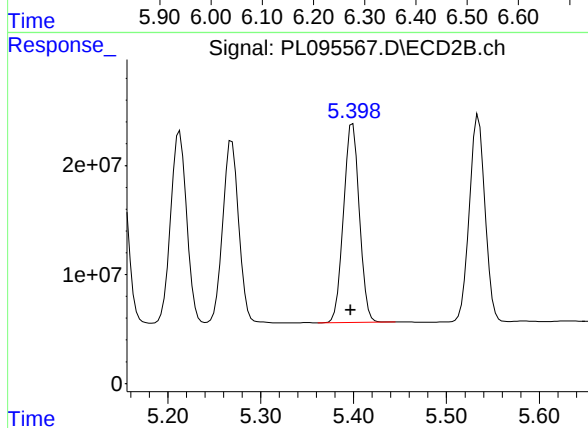
#11 alpha-Chlordane

R.T.: 5.213 min
Delta R.T.: 0.002 min
Response: 212505713
Conc: 53.38 ng/ml



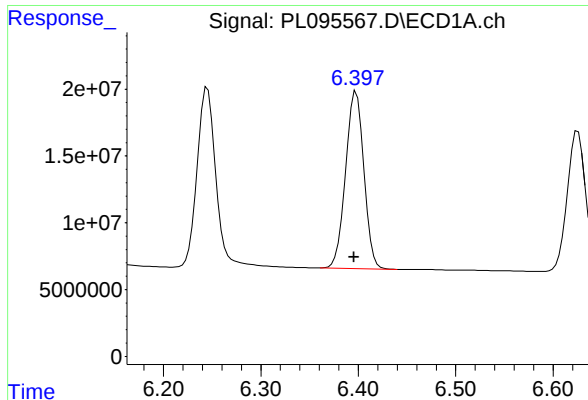
#12 4,4'-DDE

R.T.: 6.245 min
Delta R.T.: 0.002 min
Response: 182905822
Conc: 46.65 ng/ml



#12 4,4'-DDE

R.T.: 5.399 min
Delta R.T.: 0.002 min
Response: 216490915
Conc: 53.23 ng/ml



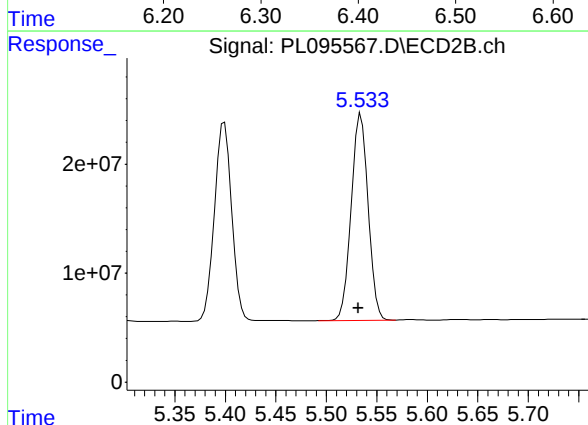
#13 Dieldrin

R.T.: 6.398 min
Delta R.T.: 0.002 min
Response: 172538659
Conc: 44.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

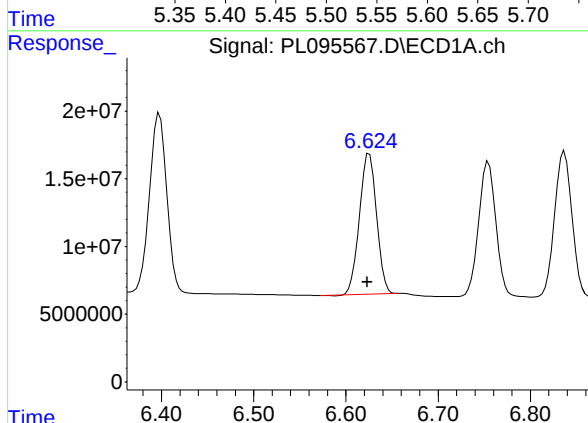
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



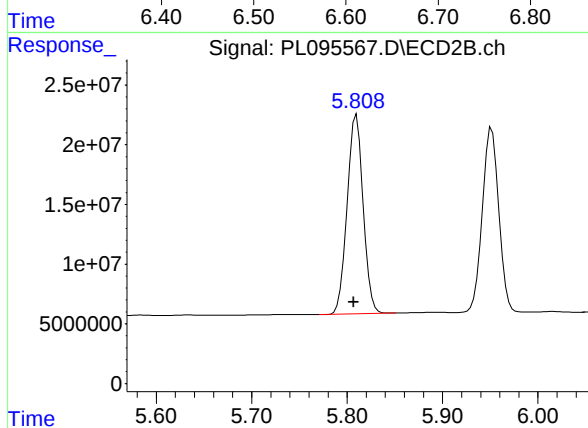
#13 Dieldrin

R.T.: 5.534 min
Delta R.T.: 0.003 min
Response: 221658096
Conc: 54.50 ng/ml



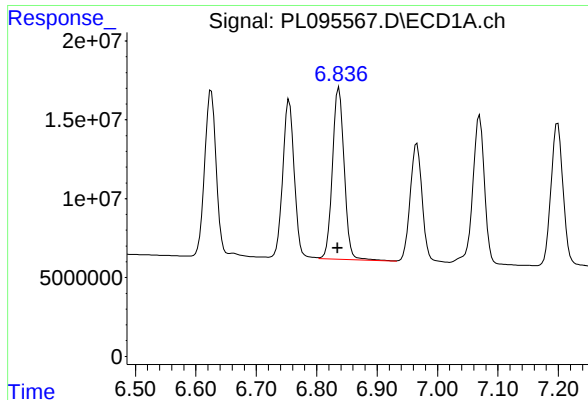
#14 Endrin

R.T.: 6.625 min
Delta R.T.: 0.002 min
Response: 133978165
Conc: 42.07 ng/ml



#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.003 min
Response: 195302517
Conc: 53.64 ng/ml



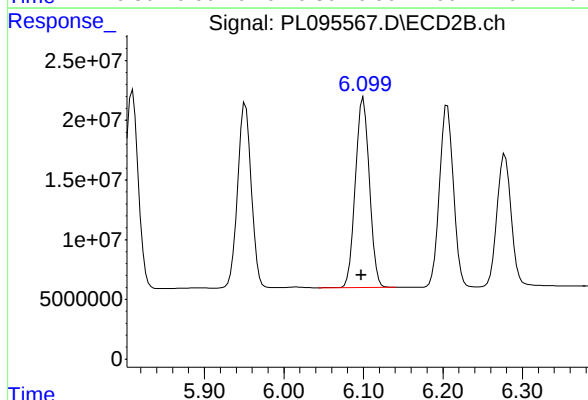
#15 Endosulfan II

R.T.: 6.837 min
Delta R.T.: 0.002 min
Response: 147227120
Conc: 46.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

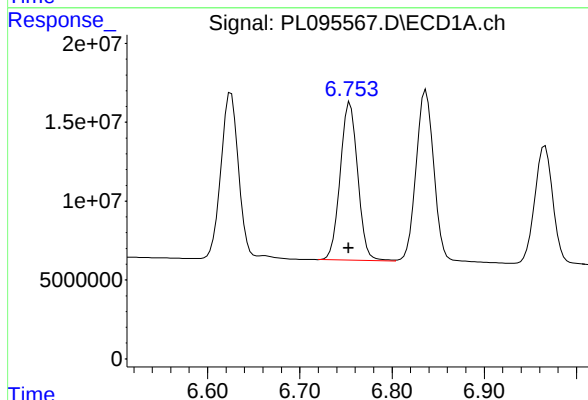
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



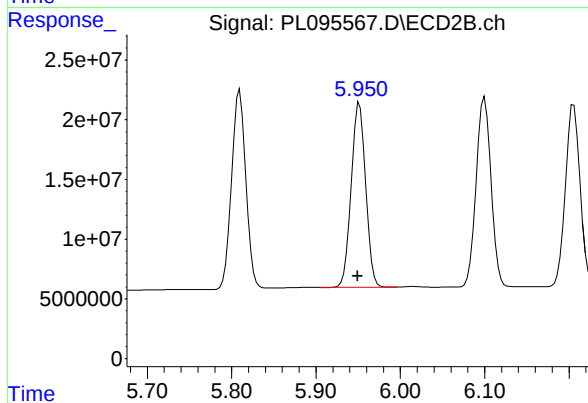
#15 Endosulfan II

R.T.: 6.100 min
Delta R.T.: 0.003 min
Response: 195098600
Conc: 54.33 ng/ml



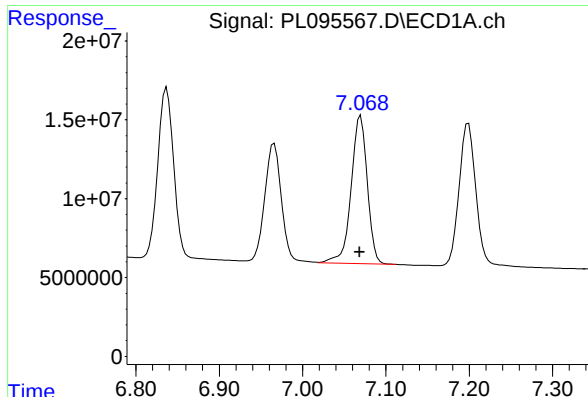
#16 4,4'-DDD

R.T.: 6.754 min
Delta R.T.: 0.002 min
Response: 132081067
Conc: 46.66 ng/ml



#16 4,4'-DDD

R.T.: 5.952 min
Delta R.T.: 0.002 min
Response: 184779296
Conc: 56.56 ng/ml



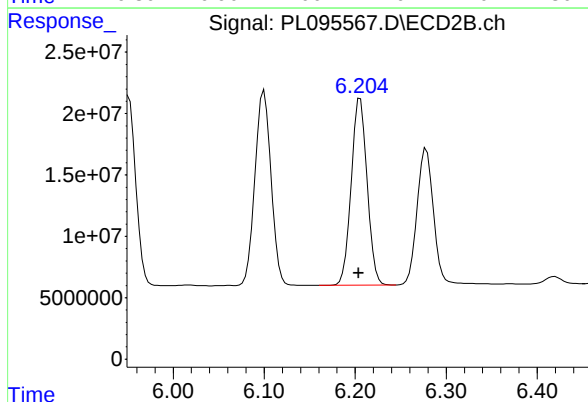
#17 4,4'-DDT

R.T.: 7.070 min
Delta R.T.: 0.001 min
Response: 125622893
Conc: 44.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

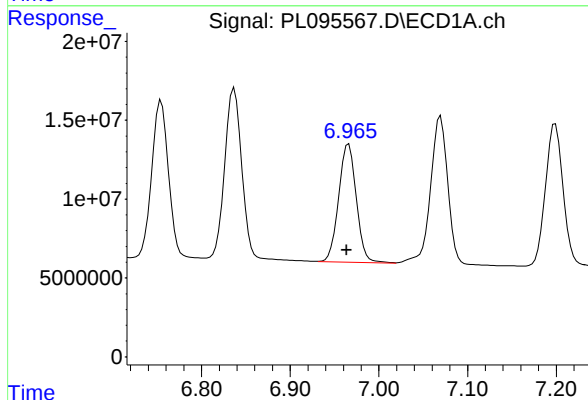
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



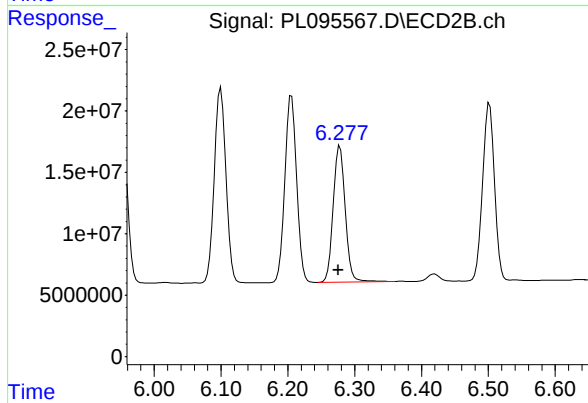
#17 4,4'-DDT

R.T.: 6.206 min
Delta R.T.: 0.002 min
Response: 185516918
Conc: 53.99 ng/ml



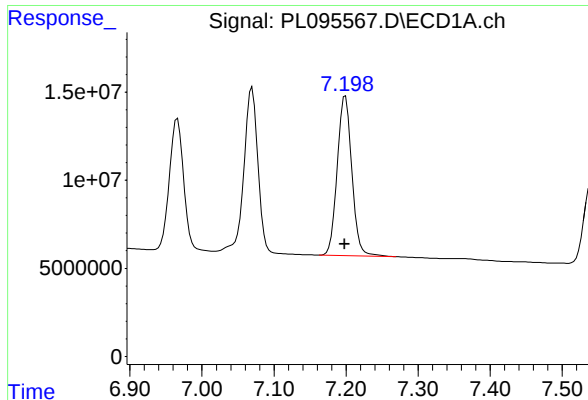
#18 Endrin aldehyde

R.T.: 6.966 min
Delta R.T.: 0.002 min
Response: 103349518
Conc: 44.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.278 min
Delta R.T.: 0.003 min
Response: 139150052
Conc: 53.25 ng/ml



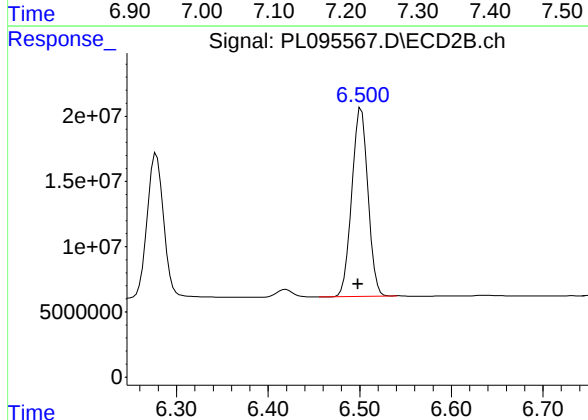
#19 Endosulfan Sulfate

R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 126866996
Conc: 45.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

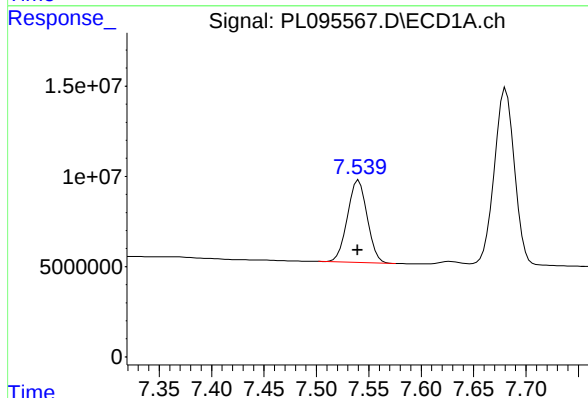
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



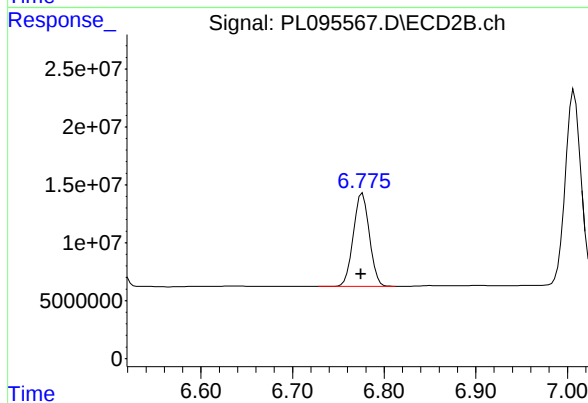
#19 Endosulfan Sulfate

R.T.: 6.502 min
Delta R.T.: 0.003 min
Response: 177108857
Conc: 53.38 ng/ml



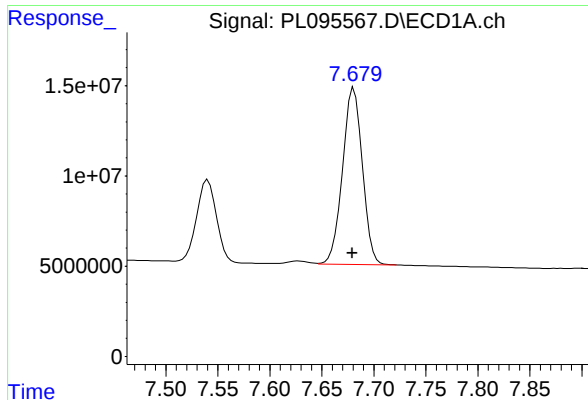
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 60039251
Conc: 43.03 ng/ml



#20 Methoxychlor

R.T.: 6.776 min
Delta R.T.: 0.002 min
Response: 98039780
Conc: 51.40 ng/ml



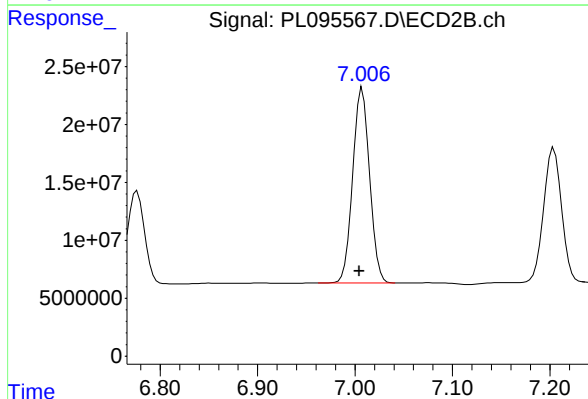
#21 Endrin ketone

R.T.: 7.681 min
Delta R.T.: 0.001 min
Response: 129894741
Conc: 45.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

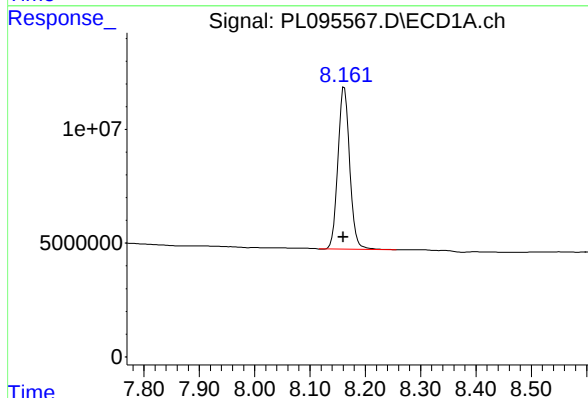
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



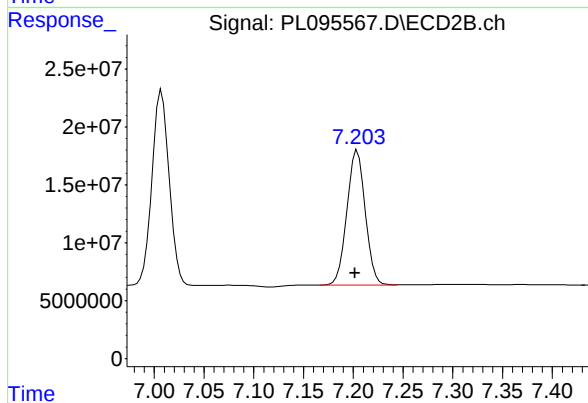
#21 Endrin ketone

R.T.: 7.007 min
Delta R.T.: 0.003 min
Response: 202716655
Conc: 57.57 ng/ml



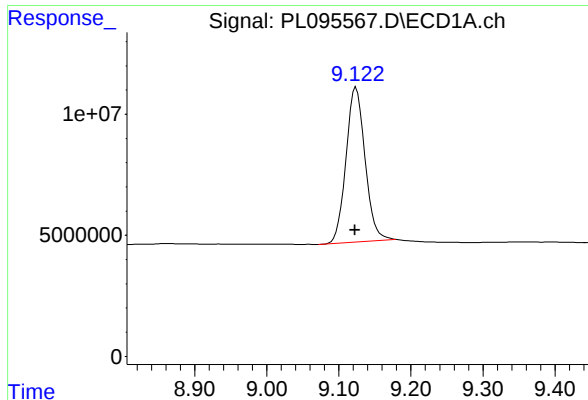
#22 Mirex

R.T.: 8.162 min
Delta R.T.: 0.002 min
Response: 105547496
Conc: 44.42 ng/ml



#22 Mirex

R.T.: 7.203 min
Delta R.T.: 0.001 min
Response: 149535983
Conc: 51.88 ng/ml m



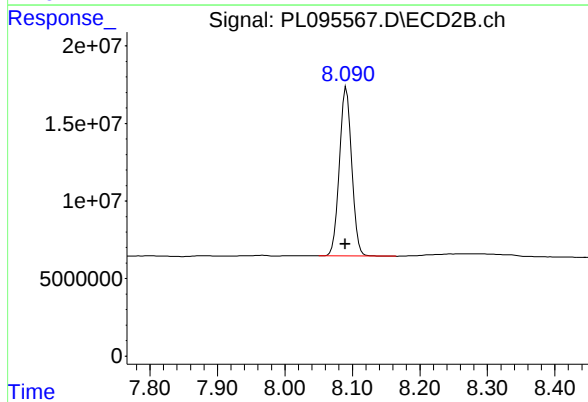
#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.002 min
Response: 117351733
Conc: 42.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.002 min
Response: 138528406
Conc: 46.81 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/06/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

Continuing Calib Date: 05/06/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.29	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.76	3.75	3.65	3.85	-0.01
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.54	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL05 Date Analyzed: 05/06/2025

Lab Sample No.: PSTDCCC050 Data File : PL095577.D Time Analyzed: 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.749	6.653	6.853	46.800	50.000	-6.4
4,4'-DDE	6.240	6.143	6.343	46.740	50.000	-6.5
4,4'-DDT	7.064	6.969	7.169	44.420	50.000	-11.2
Aldrin	5.315	5.218	5.418	45.540	50.000	-8.9
alpha-BHC	4.044	3.946	4.146	44.180	50.000	-11.6
alpha-Chlordane	6.071	5.975	6.175	46.290	50.000	-7.4
beta-BHC	4.561	4.464	4.664	44.510	50.000	-11.0
Decachlorobiphenyl	9.118	9.022	9.222	42.530	50.000	-14.9
delta-BHC	4.808	4.712	4.912	43.800	50.000	-12.4
Dieldrin	6.392	6.296	6.496	44.640	50.000	-10.7
Endosulfan I	6.117	6.023	6.223	44.870	50.000	-10.3
Endosulfan II	6.832	6.735	6.935	46.170	50.000	-7.7
Endosulfan sulfate	7.194	7.098	7.298	44.770	50.000	-10.5
Endrin	6.619	6.523	6.723	42.540	50.000	-14.9
Endrin aldehyde	6.960	6.864	7.064	44.950	50.000	-10.1
Endrin ketone	7.675	7.579	7.779	45.180	50.000	-9.6
gamma-BHC (Lindane)	4.373	4.277	4.477	44.080	50.000	-11.8
gamma-Chlordane	5.990	5.894	6.094	47.250	50.000	-5.5
Heptachlor	4.973	4.876	5.076	43.790	50.000	-12.4
Heptachlor epoxide	5.736	5.639	5.839	47.160	50.000	-5.7
Methoxychlor	7.536	7.440	7.640	43.450	50.000	-13.1
Tetrachloro-m-xylene	3.593	3.495	3.695	44.830	50.000	-10.3



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL05 Date Analyzed: 05/06/2025

Lab Sample No.: PSTDCCC050 Data File : PL095577.D Time Analyzed: 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.952	5.849	6.049	56.450	50.000	12.9
4,4'-DDE	5.400	5.297	5.497	53.680	50.000	7.4
4,4'-DDT	6.206	6.104	6.304	53.250	50.000	6.5
Aldrin	4.394	4.290	4.490	57.080	50.000	14.2
alpha-BHC	3.421	3.316	3.516	58.790	50.000	17.6
alpha-Chlordane	5.214	5.111	5.311	53.850	50.000	7.7
beta-BHC	4.048	3.944	4.144	53.480	50.000	7.0
Decachlorobiphenyl	8.090	7.989	8.189	45.300	50.000	-9.4
delta-BHC	4.285	4.180	4.380	57.320	50.000	14.6
Dieldrin	5.535	5.432	5.632	55.040	50.000	10.1
Endosulfan I	5.270	5.167	5.367	55.650	50.000	11.3
Endosulfan II	6.100	5.997	6.197	53.890	50.000	7.8
Endosulfan sulfate	6.501	6.398	6.598	51.830	50.000	3.7
Endrin	5.810	5.707	5.907	53.760	50.000	7.5
Endrin aldehyde	6.278	6.175	6.375	52.500	50.000	5.0
Endrin ketone	7.008	6.904	7.104	55.970	50.000	11.9
gamma-BHC (Lindane)	3.755	3.650	3.850	56.430	50.000	12.9
gamma-Chlordane	5.149	5.047	5.247	54.190	50.000	8.4
Heptachlor	4.108	4.004	4.204	54.400	50.000	8.8
Heptachlor epoxide	4.896	4.793	4.993	55.170	50.000	10.3
Methoxychlor	6.776	6.675	6.875	50.710	50.000	1.4
Tetrachloro-m-xylene	2.912	2.806	3.006	53.780	50.000	7.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
 Data File : PL095577.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 18:58
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:44:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.912	146.4E6	171.0E6	44.831	53.779
28)	SA Decachlor...	9.118	8.090	117.9E6	134.1E6	42.535	45.303
Target Compounds							
2)	A alpha-BHC	4.044	3.421	218.9E6	261.6E6	44.183	58.793 #
3)	MA gamma-BHC...	4.373	3.755	208.7E6	248.2E6	44.081m	56.434 #
4)	MA Heptachlor	4.973	4.108	200.3E6	237.0E6	43.787	54.403
5)	MB Aldrin	5.315	4.394	209.2E6	234.9E6	45.540	57.082 #
6)	B beta-BHC	4.561	4.048	92015873	111.0E6	44.505	53.476
7)	B delta-BHC	4.808	4.285	203.7E6	251.2E6	43.802m	57.323 #
8)	B Heptachlo...	5.736	4.896	188.9E6	213.1E6	47.163	55.172
9)	A Endosulfan I	6.117	5.270	170.4E6	203.7E6	44.874m	55.651
10)	B gamma-Chl...	5.990	5.149	192.8E6	219.6E6	47.250	54.193
11)	B alpha-Chl...	6.071	5.214	188.2E6	214.4E6	46.288	53.850
12)	B 4,4'-DDE	6.240	5.400	183.2E6	218.3E6	46.735	53.681
13)	MA Dieldrin	6.392	5.535	172.1E6	223.9E6	44.643	55.043
14)	MA Endrin	6.619	5.810	135.5E6	195.7E6	42.540	53.762 #
15)	B Endosulfa...	6.832	6.100	147.4E6	193.5E6	46.166	53.891
16)	A 4,4'-DDD	6.749	5.952	132.5E6	184.4E6	46.801	56.452
17)	MA 4,4'-DDT	7.064	6.206	126.5E6	183.0E6	44.422	53.246
18)	B Endrin al...	6.960	6.278	104.3E6	137.2E6	44.952	52.499
19)	B Endosulfa...	7.194	6.501	125.4E6	172.0E6	44.770	51.829
20)	A Methoxychlor	7.536	6.776	60617623	96722956	43.449	50.709
21)	B Endrin ke...	7.675	7.008	128.8E6	197.1E6	45.184	55.966
22)	Mirex	8.157	7.203	102.4E6	141.7E6	43.088	49.144m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

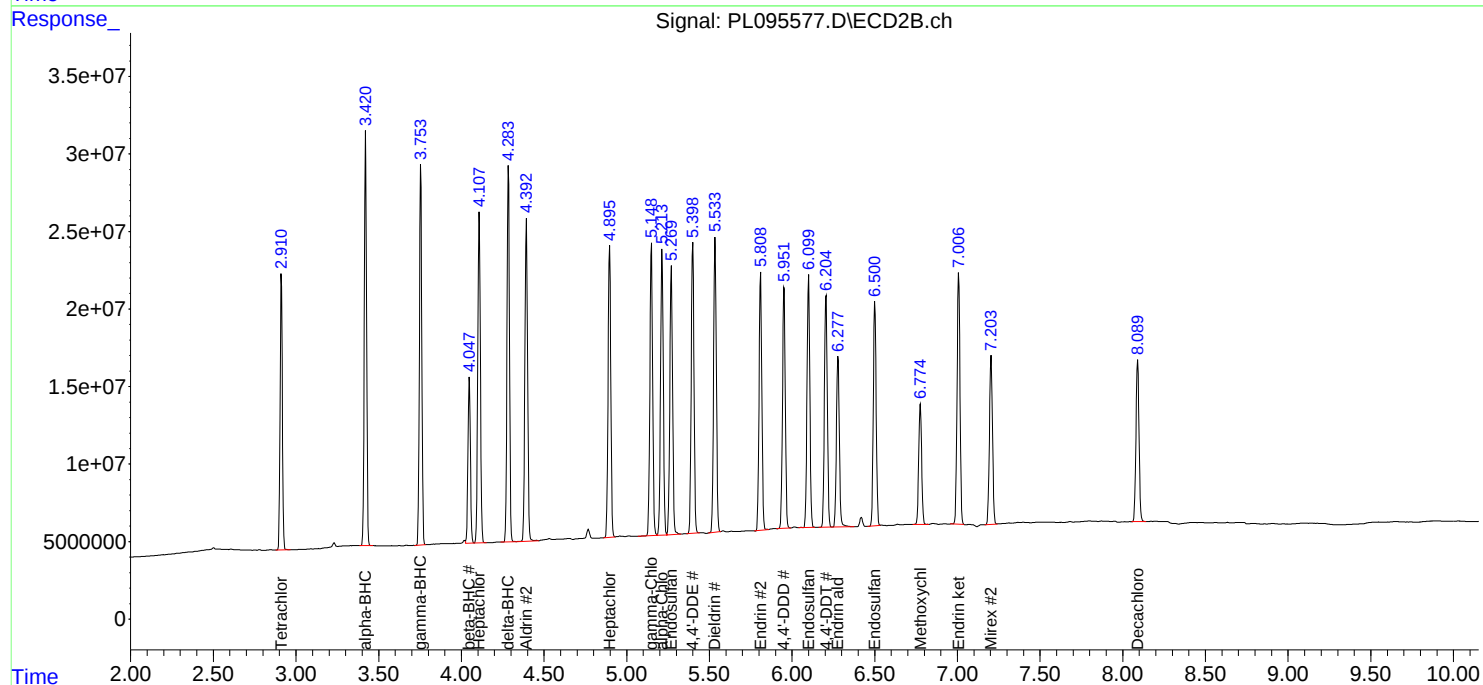
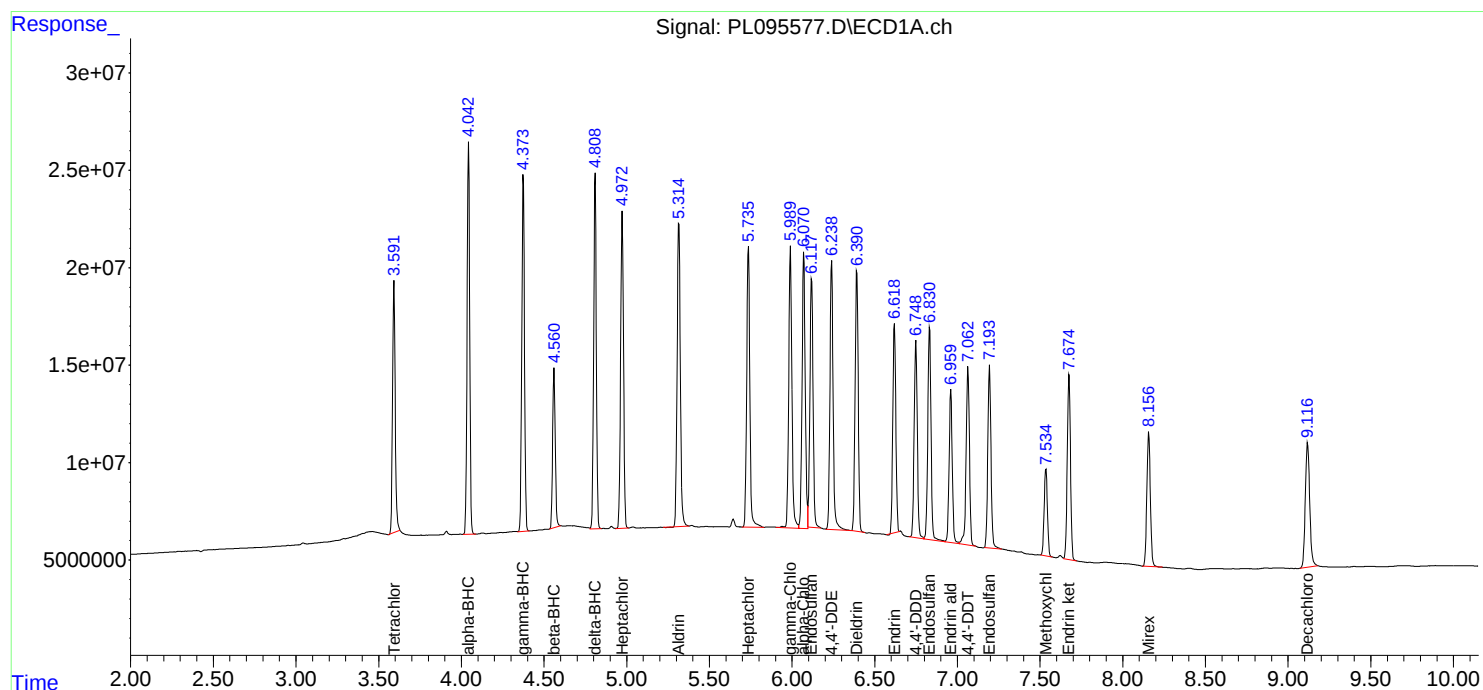
APPROVED

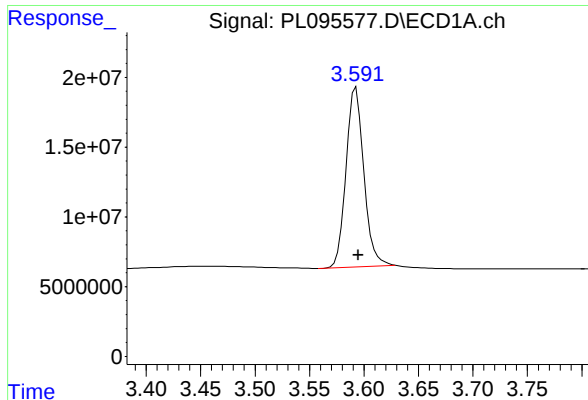
Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





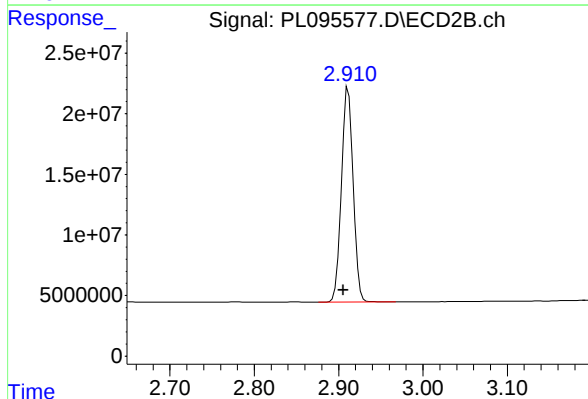
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 146360158
Conc: 44.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

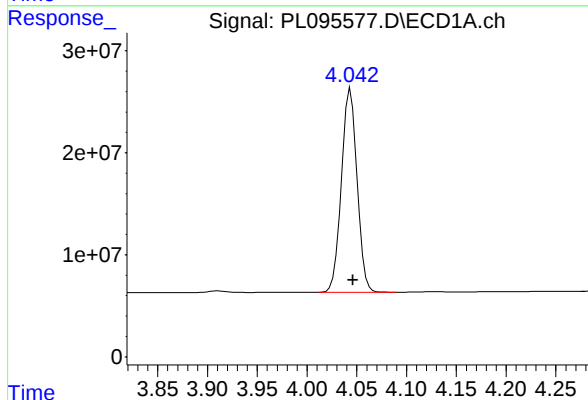
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



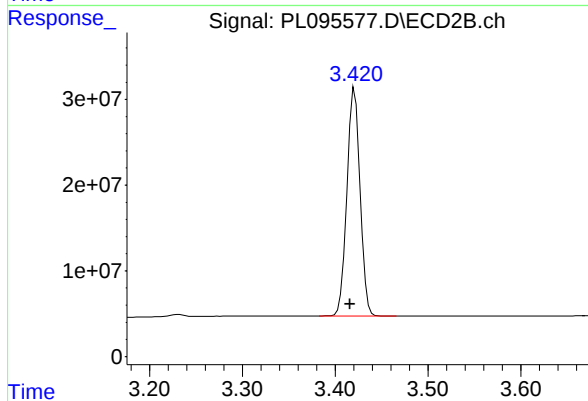
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 171004672
Conc: 53.78 ng/ml



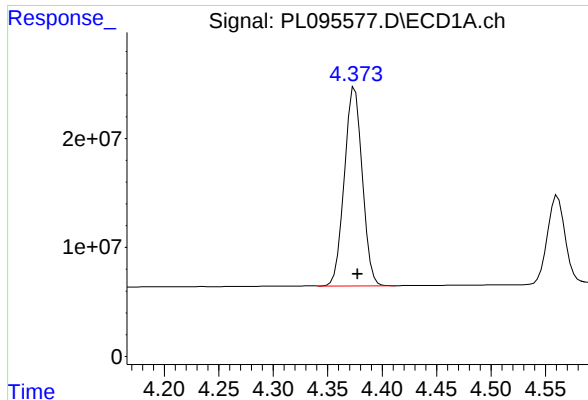
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 218871313
Conc: 44.18 ng/ml



#2 alpha-BHC

R.T.: 3.421 min
Delta R.T.: 0.005 min
Response: 261555608
Conc: 58.79 ng/ml



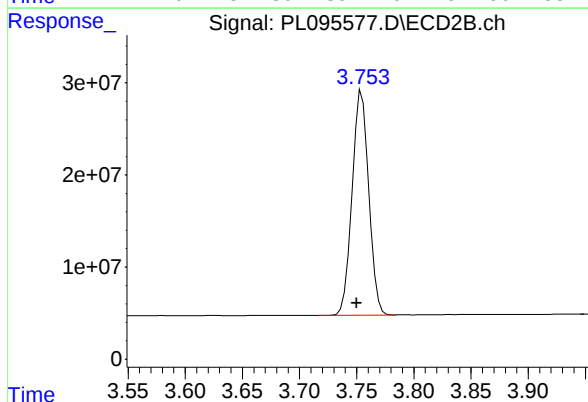
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 208679849
Conc: 44.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

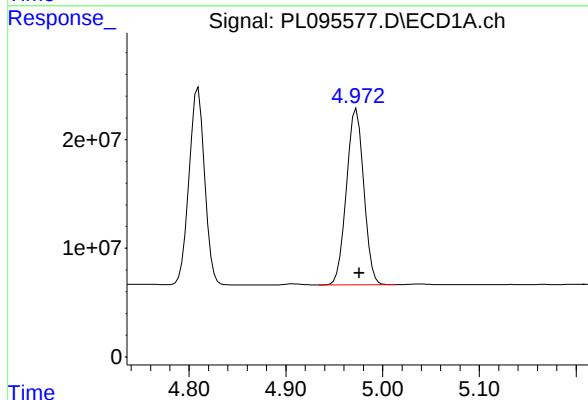
**Manual Integrations
APPROVED**

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



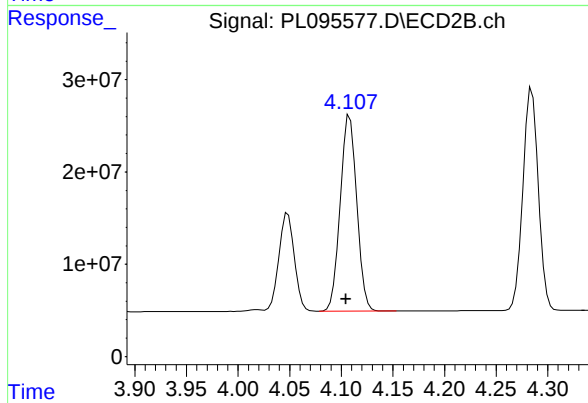
#3 gamma-BHC (Lindane)

R.T.: 3.755 min
Delta R.T.: 0.005 min
Response: 248210336
Conc: 56.43 ng/ml



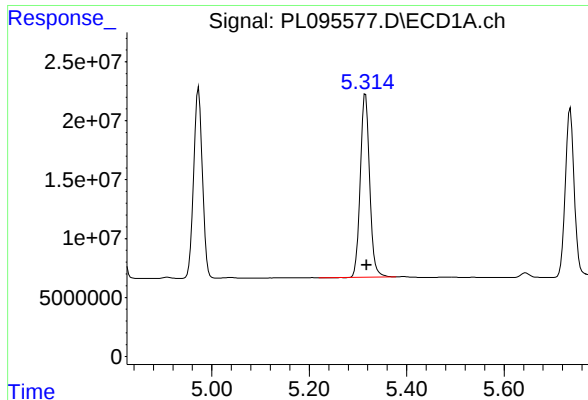
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 200303736
Conc: 43.79 ng/ml



#4 Heptachlor

R.T.: 4.108 min
Delta R.T.: 0.004 min
Response: 237018044
Conc: 54.40 ng/ml



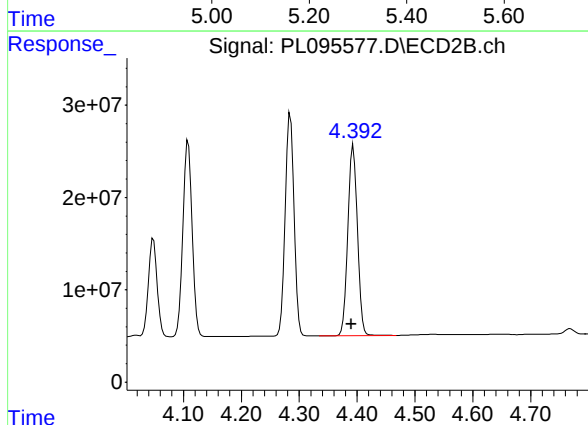
#5 Aldrin

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 209165572
Conc: 45.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

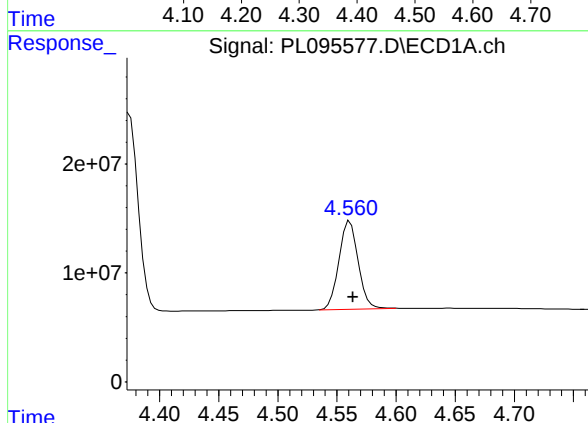
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



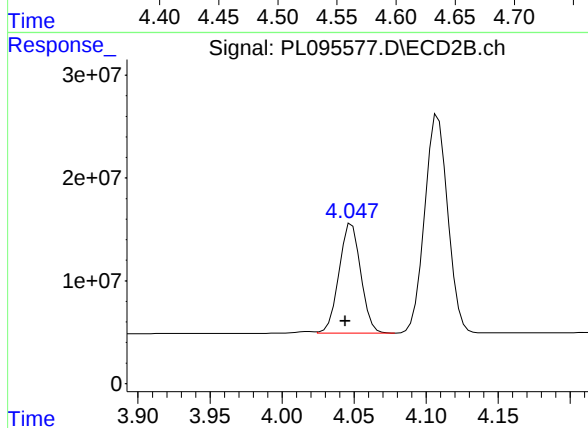
#5 Aldrin

R.T.: 4.394 min
Delta R.T.: 0.004 min
Response: 234932000
Conc: 57.08 ng/ml



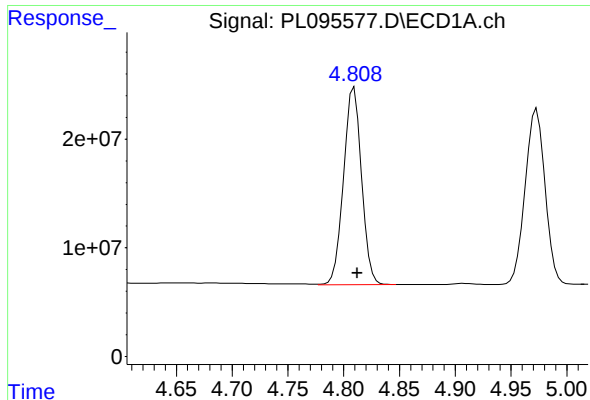
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.003 min
Response: 92015873
Conc: 44.51 ng/ml



#6 beta-BHC

R.T.: 4.048 min
Delta R.T.: 0.005 min
Response: 111008300
Conc: 53.48 ng/ml



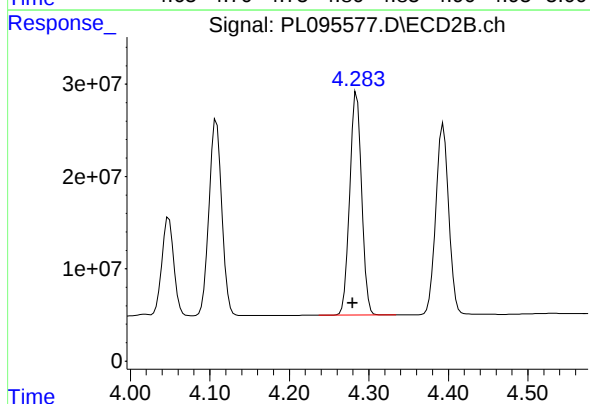
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 203707562
Conc: 43.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

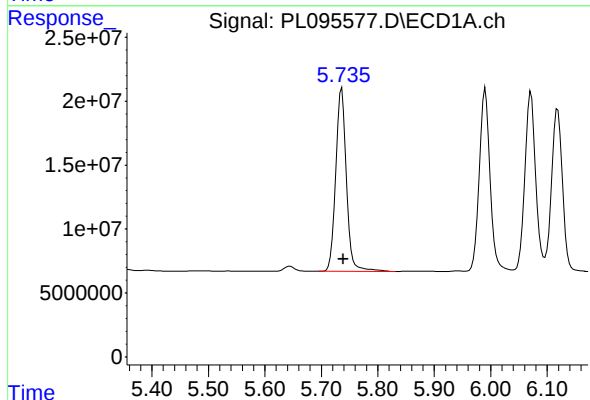
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



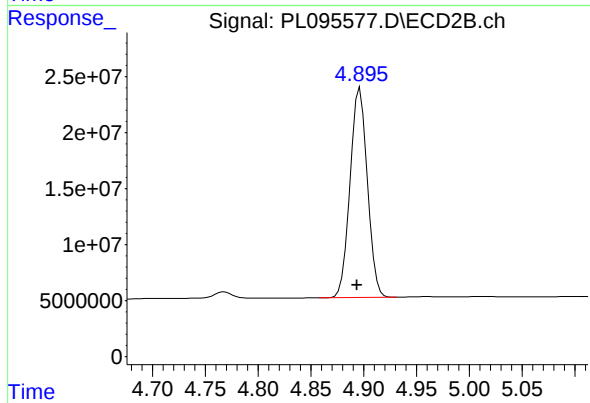
#7 delta-BHC

R.T.: 4.285 min
Delta R.T.: 0.005 min
Response: 251188841
Conc: 57.32 ng/ml



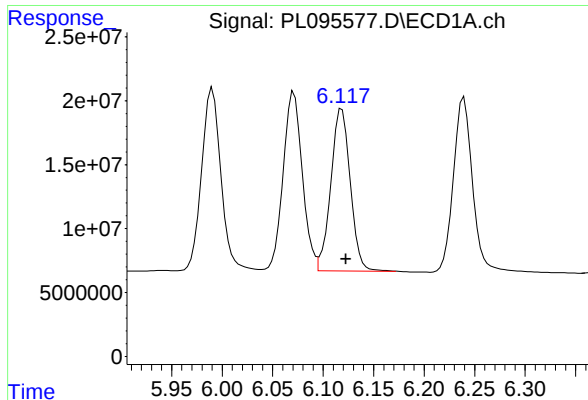
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 188893592
Conc: 47.16 ng/ml



#8 Heptachlor epoxide

R.T.: 4.896 min
Delta R.T.: 0.003 min
Response: 213111788
Conc: 55.17 ng/ml



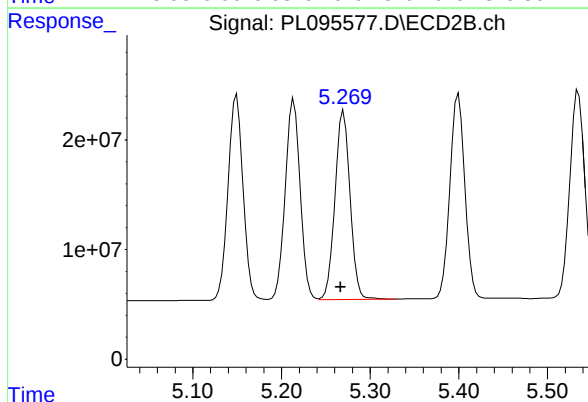
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 170408135
Conc: 44.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

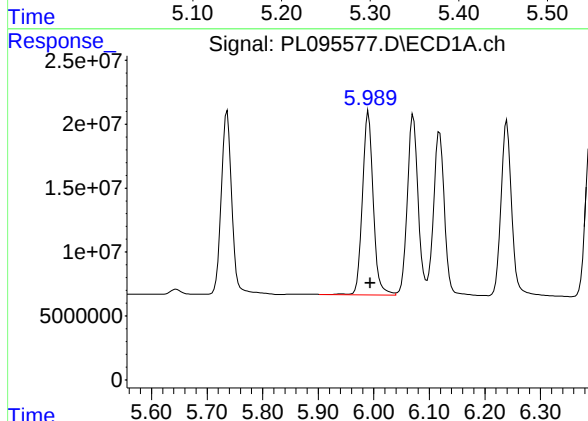
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



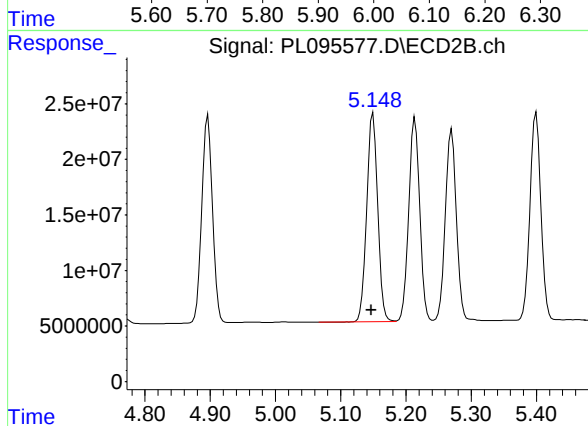
#9 Endosulfan I

R.T.: 5.270 min
Delta R.T.: 0.003 min
Response: 203707908
Conc: 55.65 ng/ml



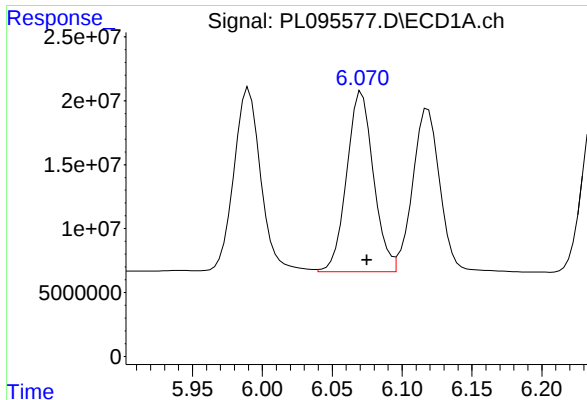
#10 gamma-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.003 min
Response: 192750594
Conc: 47.25 ng/ml



#10 gamma-Chlordane

R.T.: 5.149 min
Delta R.T.: 0.003 min
Response: 219625900
Conc: 54.19 ng/ml



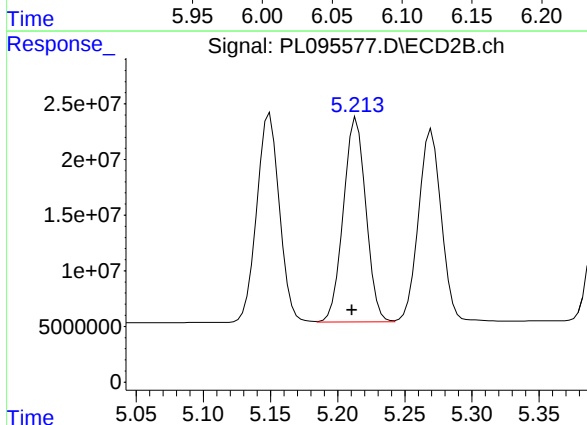
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.004 min
Response: 188211699
Conc: 46.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

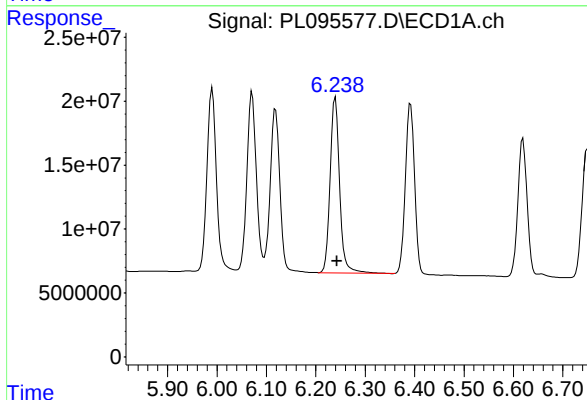
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



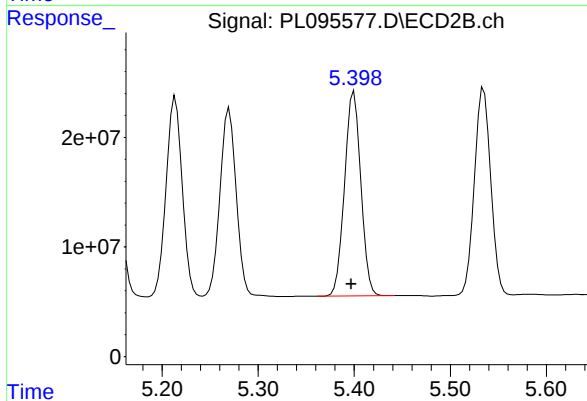
#11 alpha-Chlordane

R.T.: 5.214 min
Delta R.T.: 0.003 min
Response: 214378859
Conc: 53.85 ng/ml



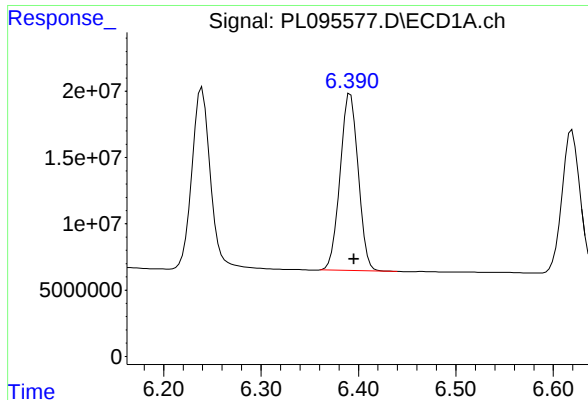
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.004 min
Response: 183227350
Conc: 46.74 ng/ml



#12 4,4'-DDE

R.T.: 5.400 min
Delta R.T.: 0.003 min
Response: 218319961
Conc: 53.68 ng/ml



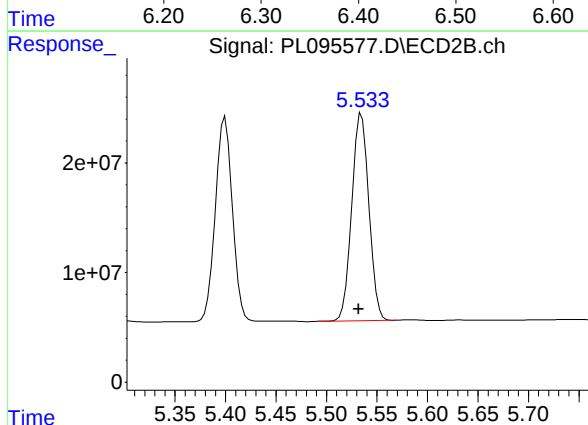
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 172089474
Conc: 44.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

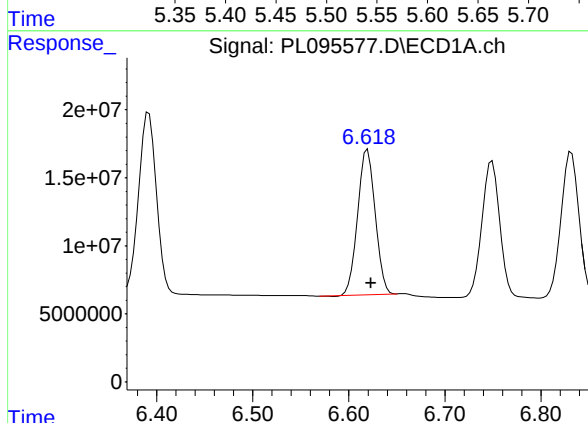
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



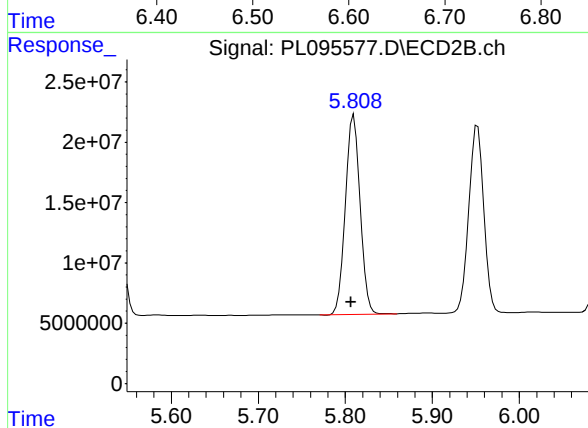
#13 Dieldrin

R.T.: 5.535 min
Delta R.T.: 0.003 min
Response: 223863405
Conc: 55.04 ng/ml



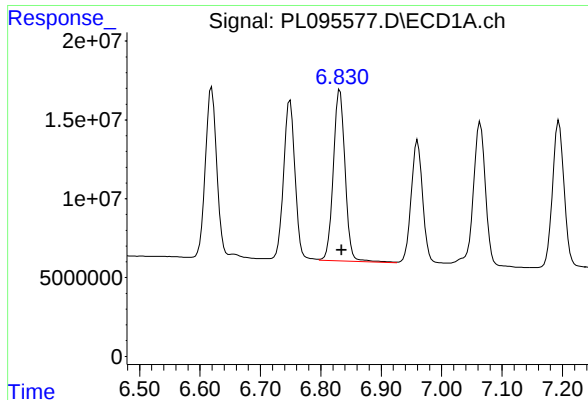
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 135478743
Conc: 42.54 ng/ml



#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.003 min
Response: 195733256
Conc: 53.76 ng/ml



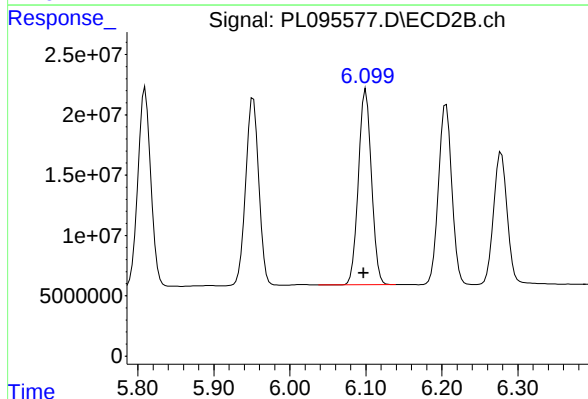
#15 Endosulfan II

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 147367836
Conc: 46.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

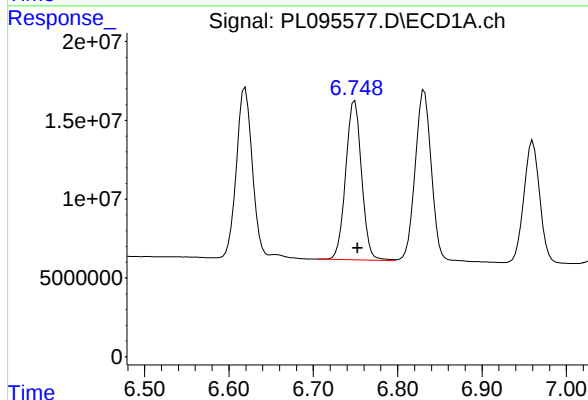
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



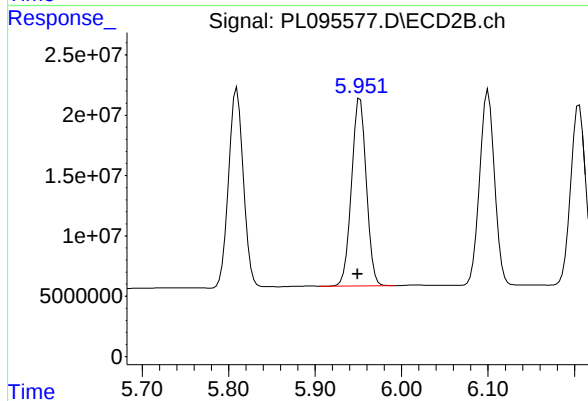
#15 Endosulfan II

R.T.: 6.100 min
Delta R.T.: 0.003 min
Response: 193526485
Conc: 53.89 ng/ml



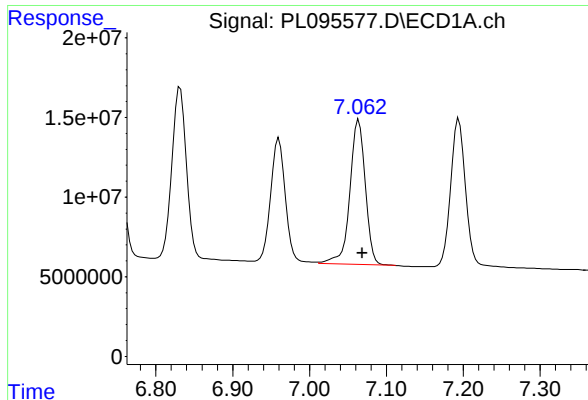
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 132492267
Conc: 46.80 ng/ml



#16 4,4'-DDD

R.T.: 5.952 min
Delta R.T.: 0.003 min
Response: 184415522
Conc: 56.45 ng/ml



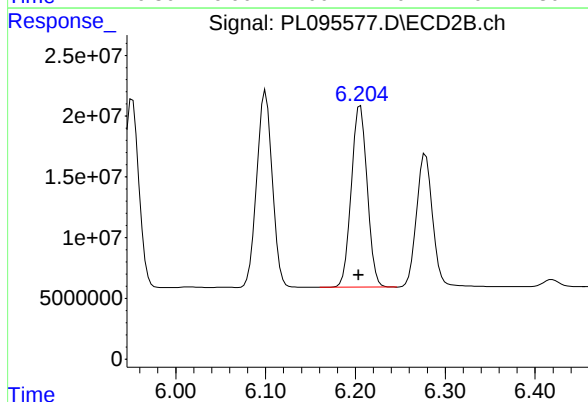
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 126540257
Conc: 44.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

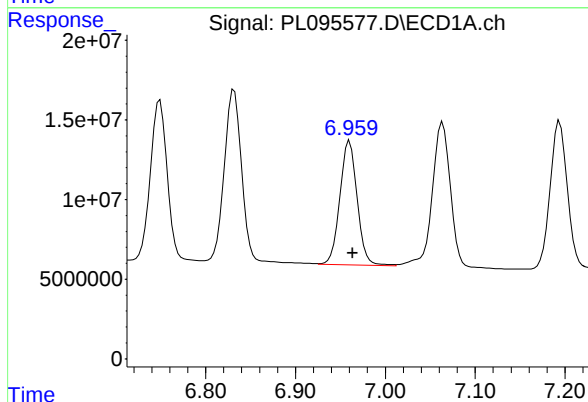
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



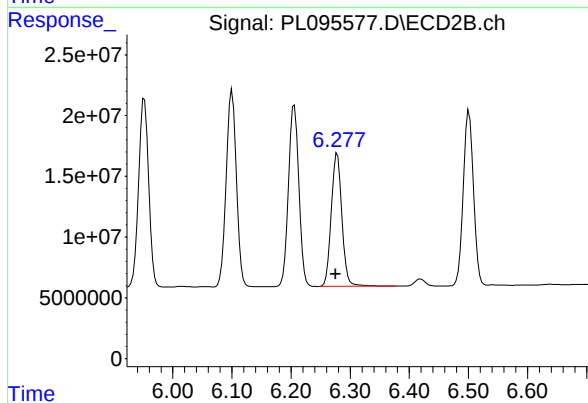
#17 4,4'-DDT

R.T.: 6.206 min
Delta R.T.: 0.002 min
Response: 182963327
Conc: 53.25 ng/ml



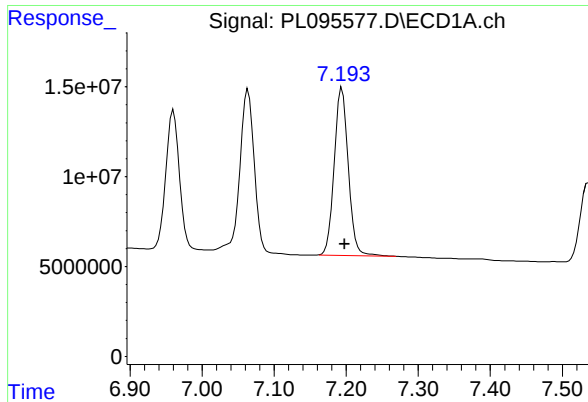
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.003 min
Response: 104323861
Conc: 44.95 ng/ml



#18 Endrin aldehyde

R.T.: 6.278 min
Delta R.T.: 0.003 min
Response: 137189314
Conc: 52.50 ng/ml



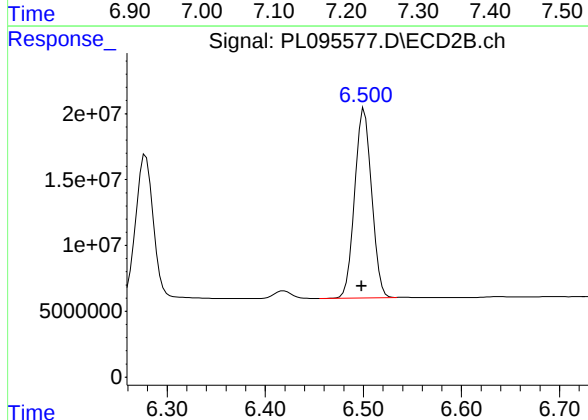
#19 Endosulfan Sulfate

R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 125437275
Conc: 44.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

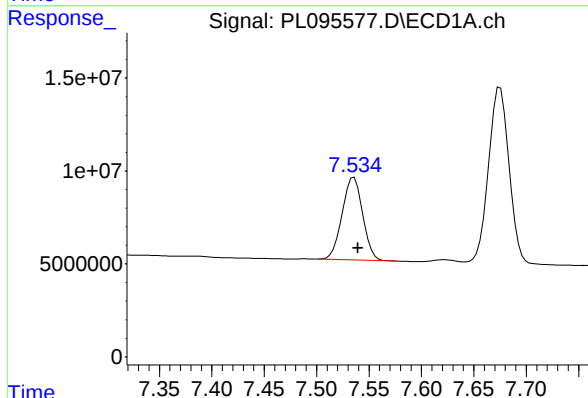
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



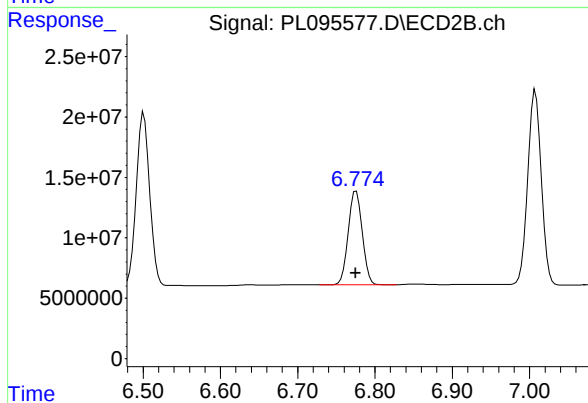
#19 Endosulfan Sulfate

R.T.: 6.501 min
Delta R.T.: 0.002 min
Response: 171965000
Conc: 51.83 ng/ml



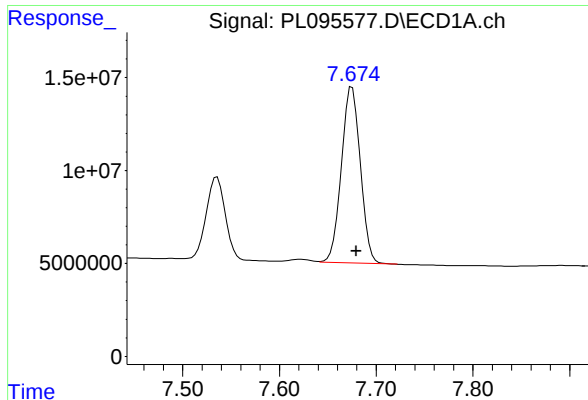
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 60617623
Conc: 43.45 ng/ml



#20 Methoxychlor

R.T.: 6.776 min
Delta R.T.: 0.000 min
Response: 96722956
Conc: 50.71 ng/ml



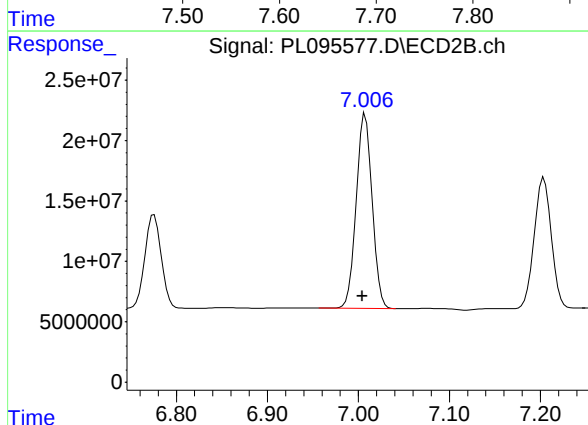
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.004 min
Response: 128813337
Conc: 45.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

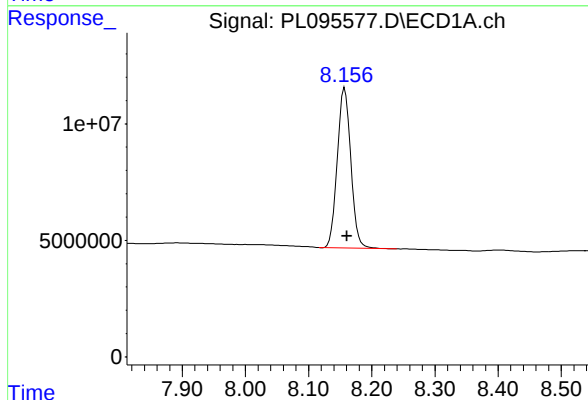
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



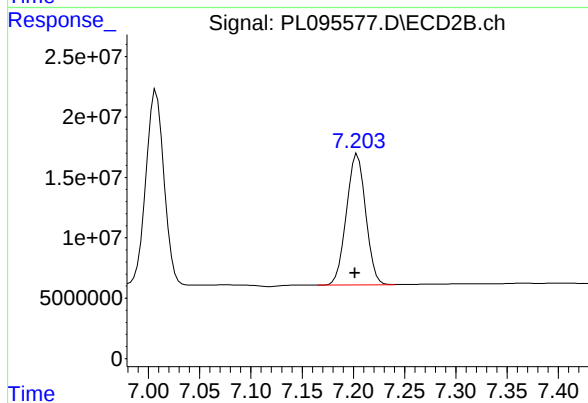
#21 Endrin ketone

R.T.: 7.008 min
Delta R.T.: 0.003 min
Response: 197073648
Conc: 55.97 ng/ml



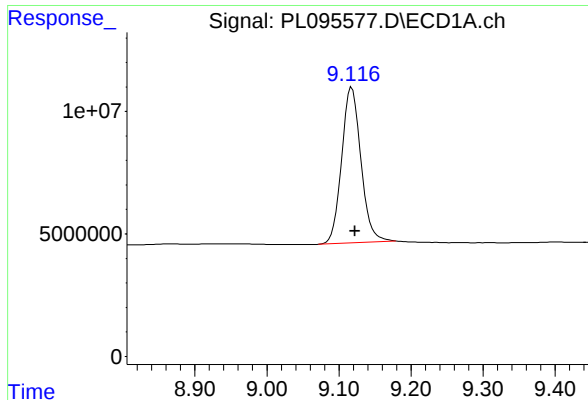
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 102378752
Conc: 43.09 ng/ml



#22 Mirex

R.T.: 7.203 min
Delta R.T.: 0.000 min
Response: 141652545
Conc: 49.14 ng/ml m



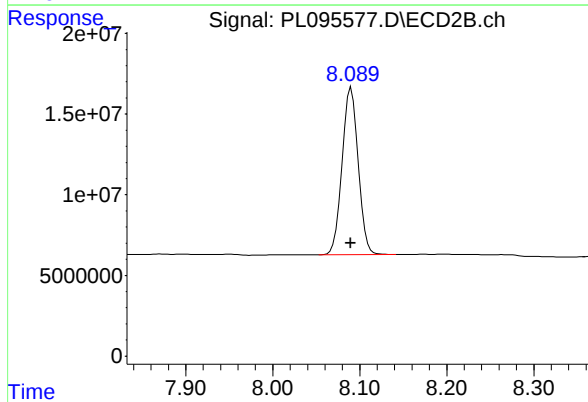
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.005 min
Response: 117855358
Conc: 42.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 134064810
Conc: 45.30 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D Date Analyzed: 04/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.122	9.020	9.220	23.490	20.000	17.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.530	20.000	12.7
alpha-BHC	4.045	3.990	4.100	10.950	10.000	9.5
beta-BHC	4.563	4.510	4.610	10.960	10.000	9.6
gamma-BHC (Lindane)	4.375	4.320	4.430	11.240	10.000	12.4
Endrin	6.622	6.550	6.690	54.830	50.000	9.7
4,4'-DDT	7.067	7.000	7.140	112.580	100.000	12.6
Methoxychlor	7.538	7.470	7.610	265.190	250.000	6.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D Date Analyzed: 04/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.089	7.990	8.190	23.100	20.000	15.5
Tetrachloro-m-xylene	2.905	2.850	2.960	22.790	20.000	14.0
alpha-BHC	3.415	3.360	3.470	11.050	10.000	10.5
beta-BHC	4.042	3.990	4.090	11.540	10.000	15.4
gamma-BHC (Lindane)	3.748	3.700	3.800	11.100	10.000	11.0
Endrin	5.806	5.740	5.880	57.180	50.000	14.4
4,4'-DDT	6.203	6.130	6.270	115.980	100.000	16.0
Methoxychlor	6.774	6.700	6.840	253.560	250.000	1.4

Data File: PEM
 PL095327.D **Date Acquired** 4/23/2025 11:04
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	174620420	176432661.6	1812241.55	1.03
Endrin aldehyde	6.96	291372.367			
Endrin ketone	7.68	1520869.187			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	208180230.3	212099534	3919303.8	1.85
Endrin aldehyde #2	6.28	1927807.487			
Endrin ketone #2	7.00	1991496.309			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	320688920.6	321379935.9	691015.328	0.22
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	691015.328			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	398515431.8	399310772.3	795340.506	0.20
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	795340.506			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	73541125	72472220	22.526	22.792
28) SA Decachlor...	9.122	8.089	65094644	68362526	23.493	23.101
Target Compounds						
2) A alpha-BHC	4.045	3.415	54247618	49140358	10.951	11.046
3) MA gamma-BHC...	4.375	3.748	53220046	48800893	11.242m	11.096
6) B beta-BHC	4.563	4.042	22651669	23957368	10.956	11.541
14) MA Endrin	6.622	5.806	174.6E6	208.2E6	54.830	57.181
16) A 4,4'-DDD	6.747	5.947	691015	795341	0.244m	0.243m
17) MA 4,4'-DDT	7.067	6.203	320.7E6	398.5E6	112.579	115.976
18) B Endrin al...	6.964	6.276	291372	1927807	0.126m	0.738m#
20) A Methoxychlor	7.538	6.774	370.0E6	483.6E6	265.186	253.560
21) B Endrin ke...	7.676	7.001	1520869	1991496	0.533m	0.566m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

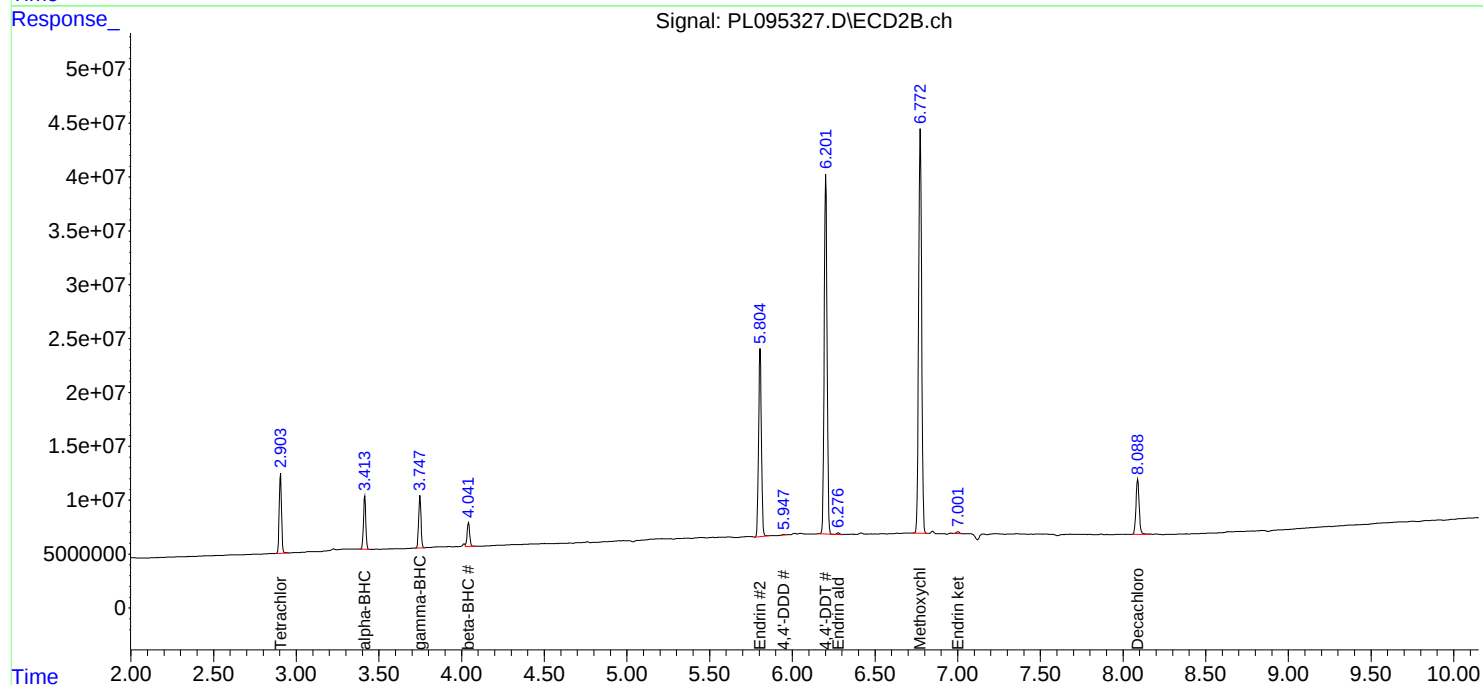
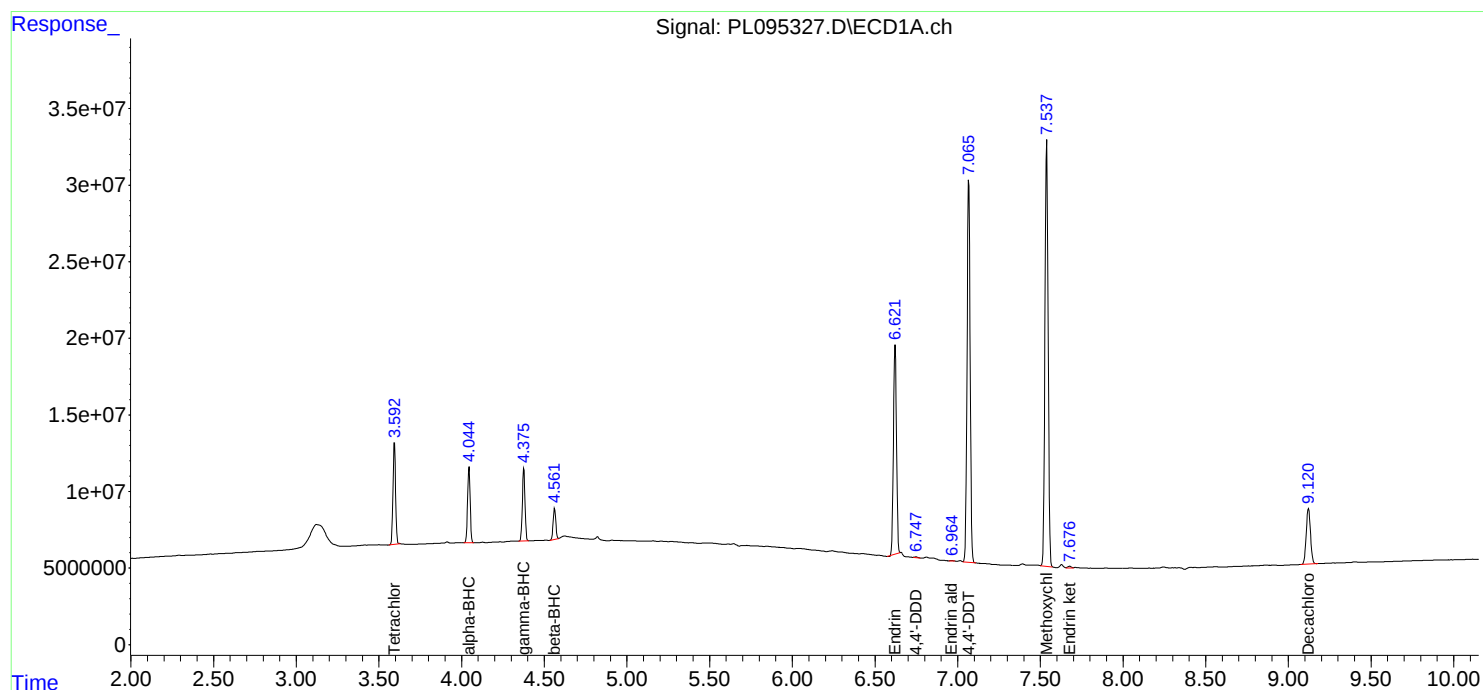
Instrument :
ECD_L
ClientSampleId :
PEM

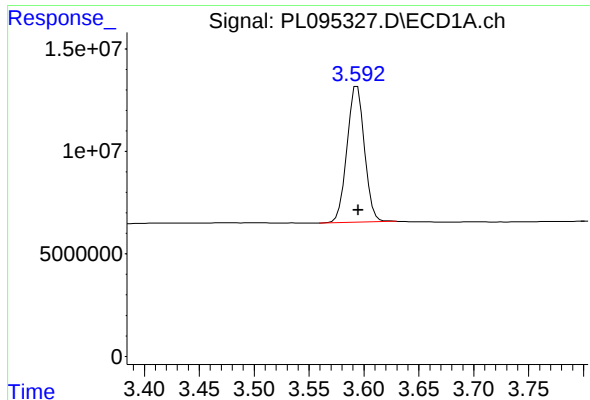
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/24/2025
Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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





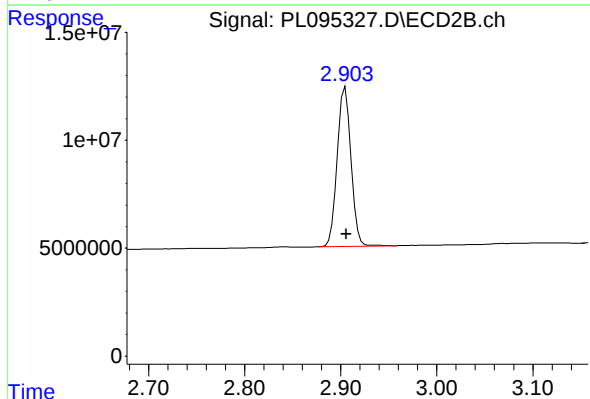
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 73541125
Conc: 22.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

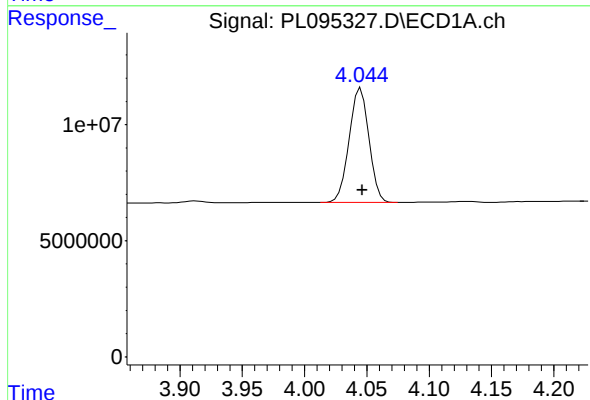
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



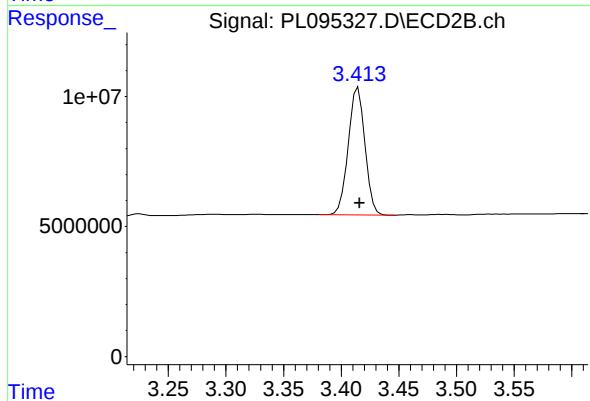
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 72472220
Conc: 22.79 ng/ml



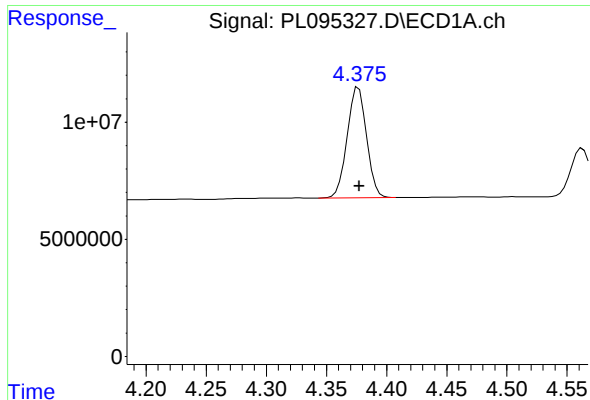
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 54247618
Conc: 10.95 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 49140358
Conc: 11.05 ng/ml



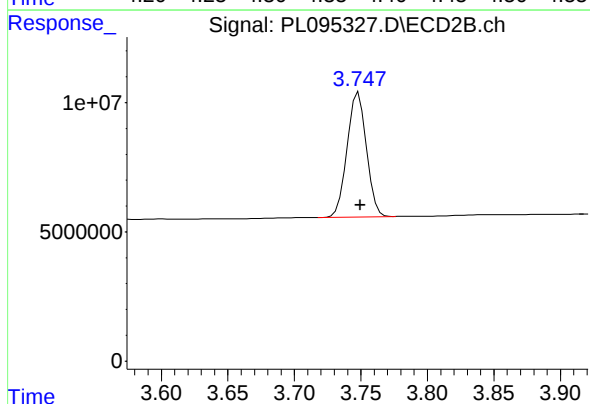
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 53220046
Conc: 11.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

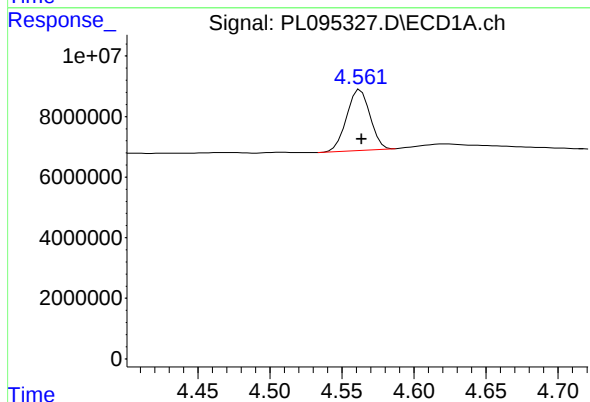
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



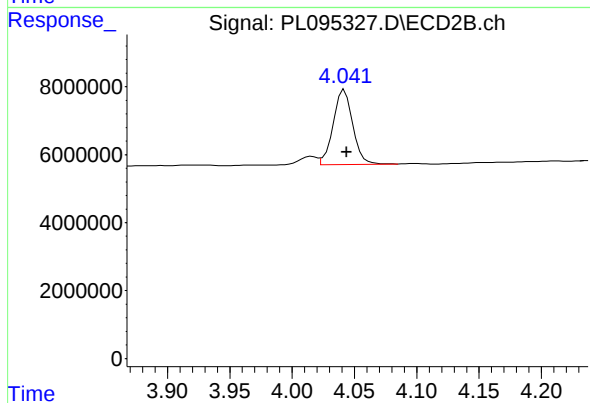
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 48800893
Conc: 11.10 ng/ml



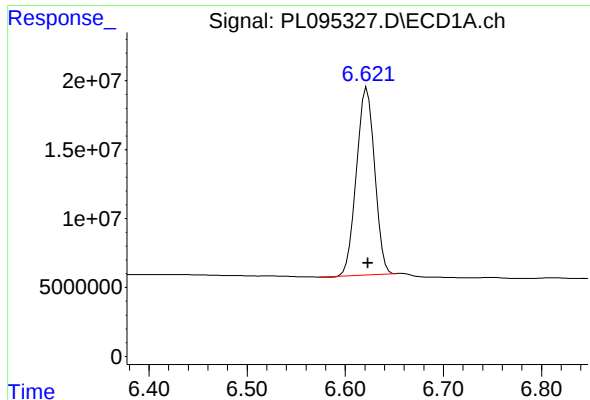
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 22651669
Conc: 10.96 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 23957368
Conc: 11.54 ng/ml



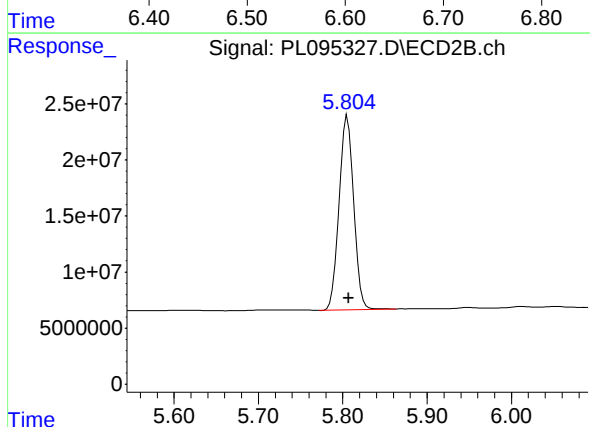
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 174620420
Conc: 54.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

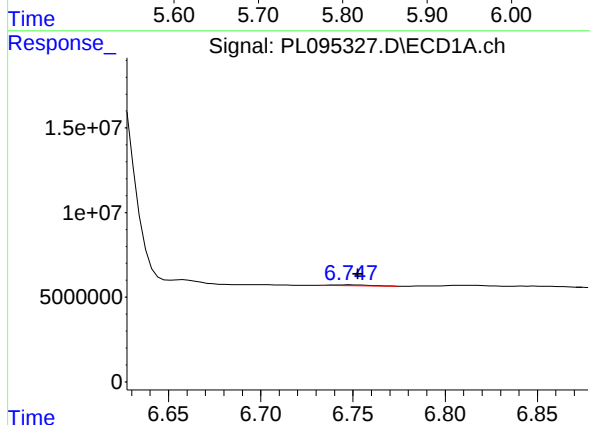
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



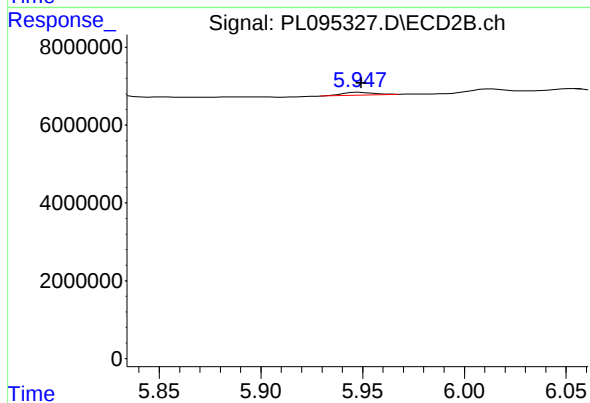
#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 208180230
Conc: 57.18 ng/ml



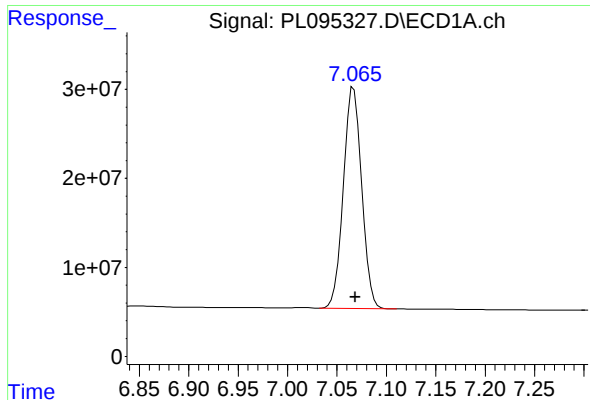
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 691015
Conc: 0.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 795341
Conc: 0.24 ng/ml m



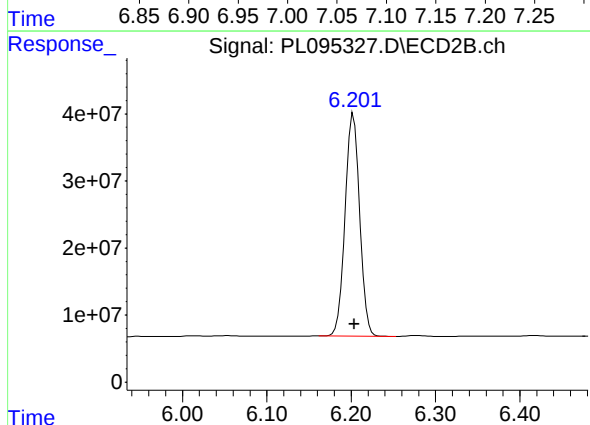
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: -0.002 min
Response: 320688921
Conc: 112.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

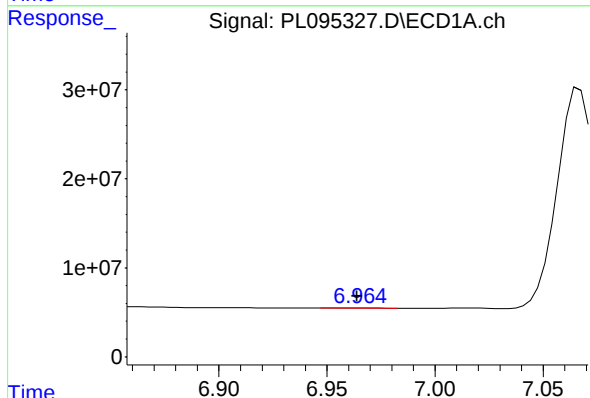
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



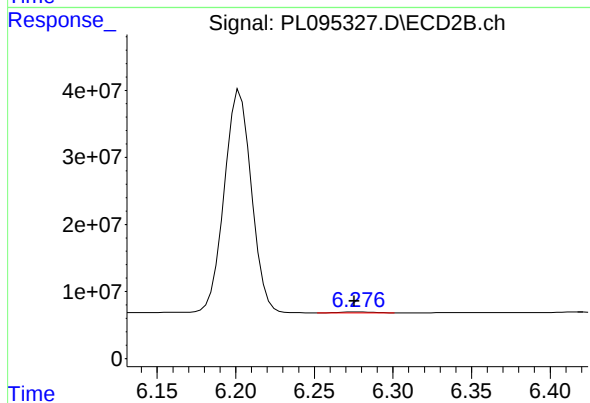
#17 4,4'-DDT

R.T.: 6.203 min
Delta R.T.: -0.001 min
Response: 398515432
Conc: 115.98 ng/ml



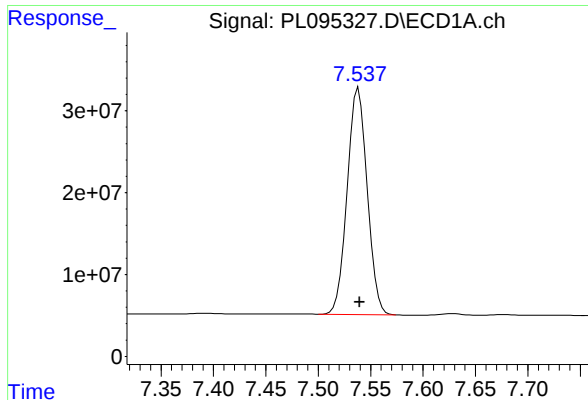
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 291372
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 1927807
Conc: 0.74 ng/ml m



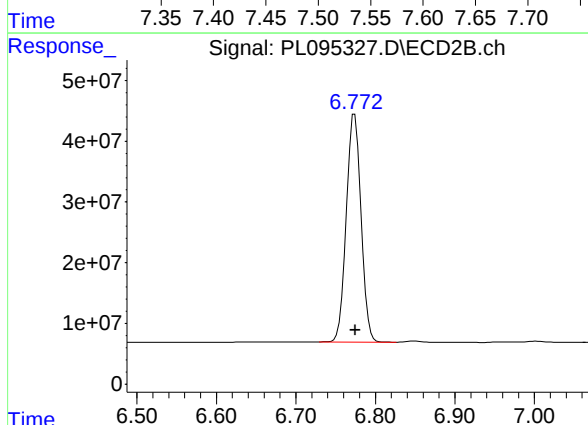
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.001 min
Response: 369969247
Conc: 265.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

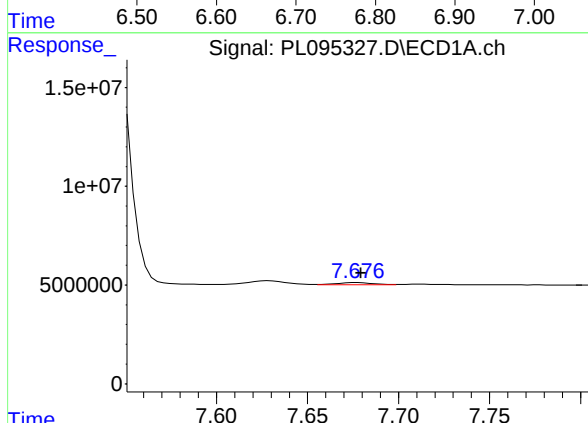
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



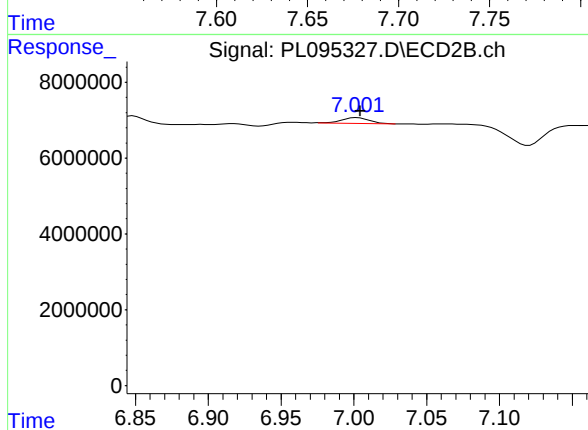
#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 483648088
Conc: 253.56 ng/ml



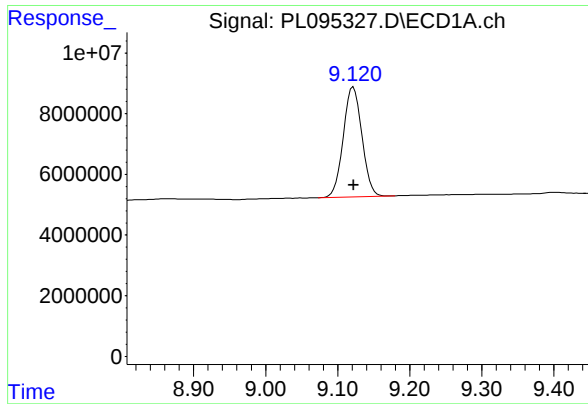
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 1520869
Conc: 0.53 ng/ml m



#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 1991496
Conc: 0.57 ng/ml m



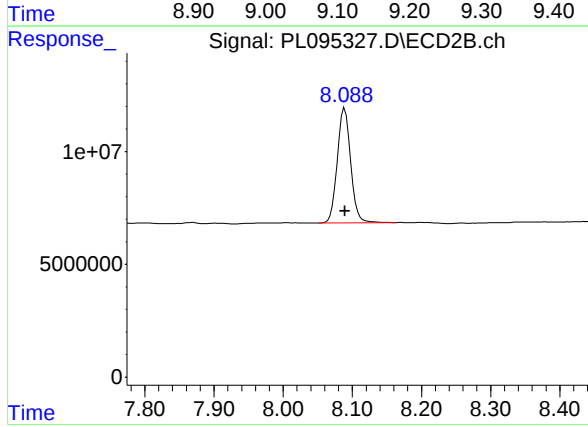
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 65094644
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 68362526
Conc: 23.10 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095529.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:21

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.124	9.020	9.220	21.510	20.000	7.6
Tetrachloro-m-xylene	3.597	3.550	3.650	20.620	20.000	3.1
alpha-BHC	4.049	4.000	4.100	9.850	10.000	-1.5
beta-BHC	4.567	4.520	4.620	10.120	10.000	1.2
gamma-BHC (Lindane)	4.378	4.330	4.430	9.800	10.000	-2.0
Endrin	6.623	6.550	6.690	52.130	50.000	4.3
4,4'-DDT	7.069	7.000	7.140	102.290	100.000	2.3
Methoxychlor	7.540	7.470	7.610	223.800	250.000	-10.5

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095529.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:21

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.088	7.990	8.190	24.460	20.000	22.3
Tetrachloro-m-xylene	2.907	2.860	2.960	25.540	20.000	27.7
alpha-BHC	3.417	3.370	3.470	14.050	10.000	40.5
beta-BHC	4.044	3.990	4.090	13.360	10.000	33.6
gamma-BHC (Lindane)	3.750	3.700	3.800	13.700	10.000	37.0
Endrin	5.806	5.740	5.880	63.040	50.000	26.1
4,4'-DDT	6.203	6.130	6.270	122.310	100.000	22.3
Methoxychlor	6.773	6.700	6.840	247.360	250.000	-1.1

Data File: PEM
 PL095529.D Date Acquired 5/5/2025 9:21
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	166035813.5	172421585.5	6385772.06	3.70
Endrin aldehyde	6.96	1393358.023			
Endrin ketone	7.68	4992414.037			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	229514835.2	241942095.2	12427260	5.14
Endrin aldehyde #2	6.27	3016649.668			
Endrin ketone #2	7.00	9410610.304			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	291381156.8	300266497	8885340.15	2.96
4,4'-DDE	6.24	530304.95			
4,4'-DDD	6.75	8355035.202			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	420288221.4	433727664.8	13439443.4	3.10
4,4'-DDE #2	5.40	625312.439			
4,4'-DDD #2	5.95	12814130.97			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
 Data File : PL095529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 09:21
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.597	2.907	67302005	81202314	20.615m	25.537
28) SA Decachlor...	9.124	8.088	59594993	72385725	21.508	24.461
Target Compounds						
2) A alpha-BHC	4.049	3.417	48778304	62491172	9.847	14.047 #
3) MA gamma-BHC...	4.378	3.750	46408661	60266860	9.803m	13.703 #
6) B beta-BHC	4.567	4.044	20918275	27739627	10.118	13.363 #
12) B 4,4'-DDE	6.238	5.397	530305	625312	0.135m	0.154m
14) MA Endrin	6.623	5.806	166.0E6	229.5E6	52.135m	63.041
16) A 4,4'-DDD	6.752	5.949	8355035	12814131	2.951m	3.923 #
17) MA 4,4'-DDT	7.069	6.203	291.4E6	420.3E6	102.290	122.313
18) B Endrin al...	6.963	6.275	1393358	3016650	0.600m	1.154m#
20) A Methoxychlor	7.540	6.773	312.2E6	471.8E6	223.798	247.363
21) B Endrin ke...	7.679	7.004	4992414	9410610	1.751	2.672 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:21
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

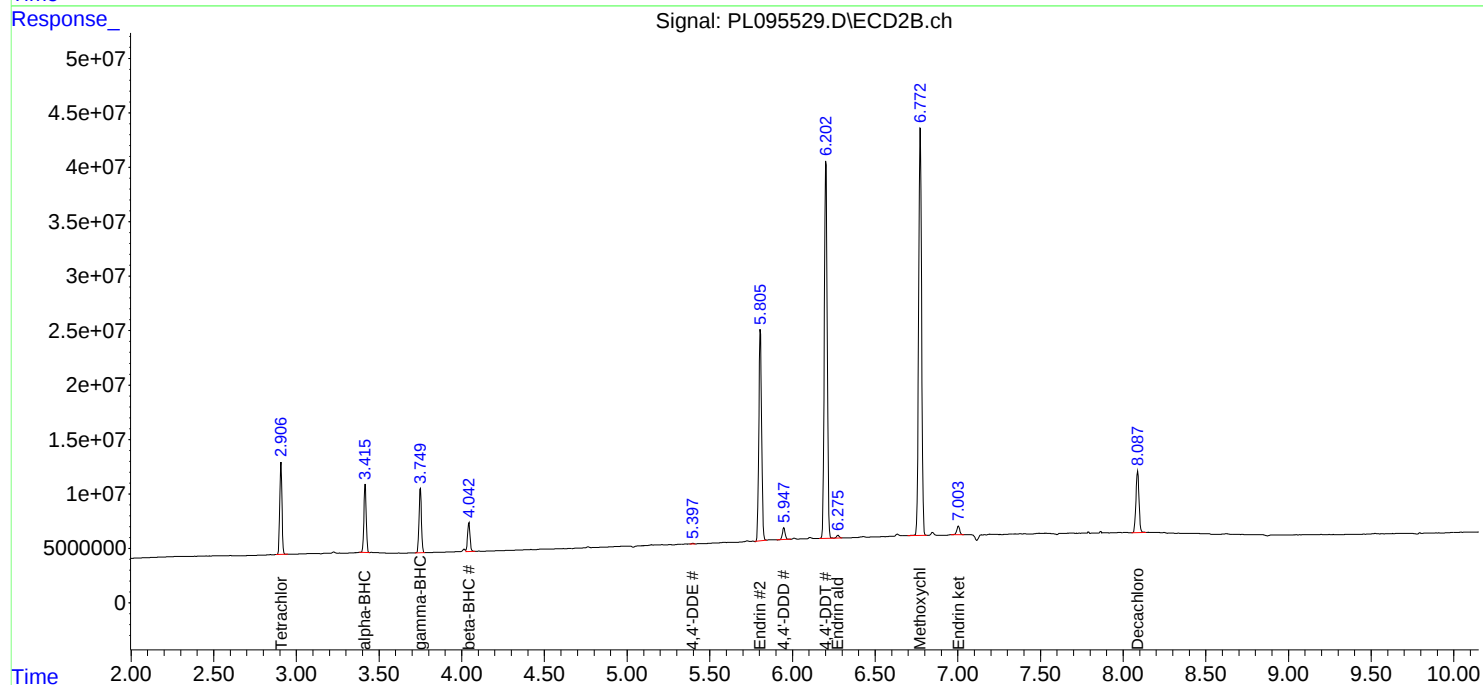
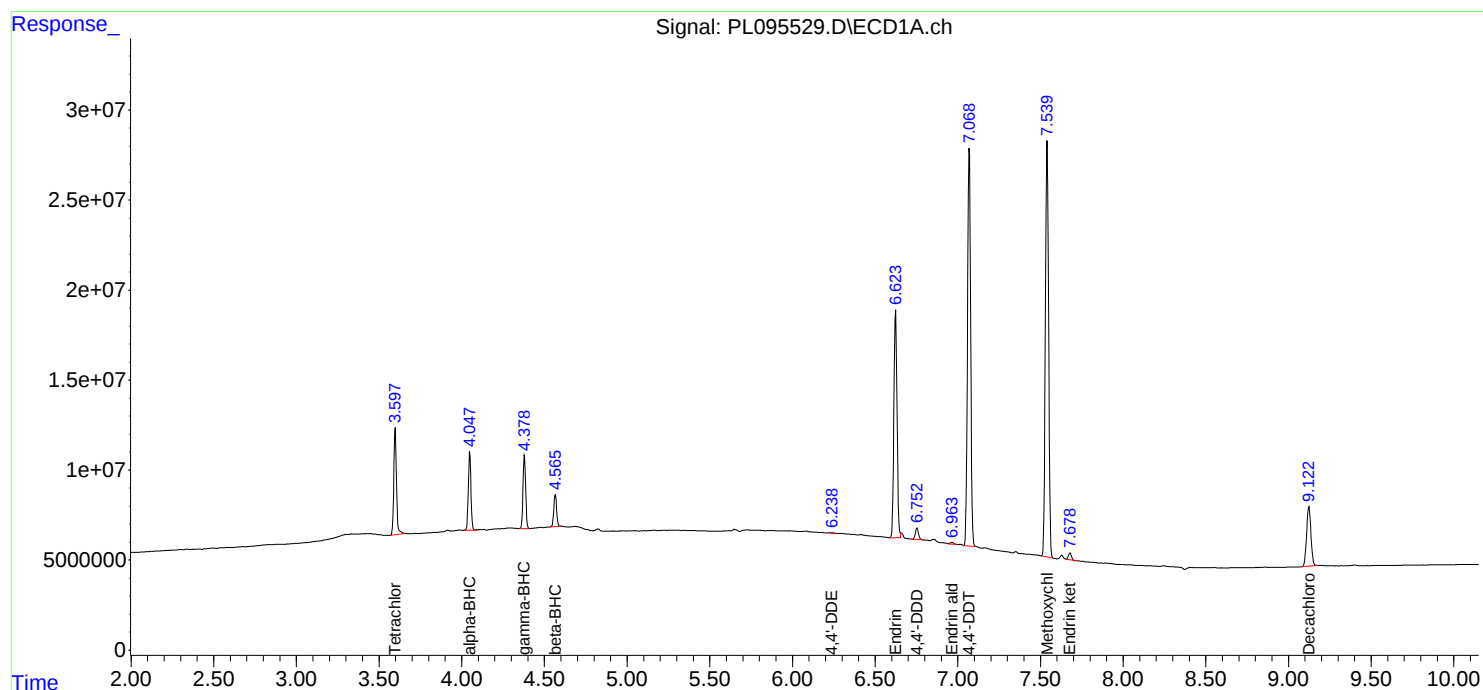
Instrument :
ECD_L
ClientSampleId :
PEM

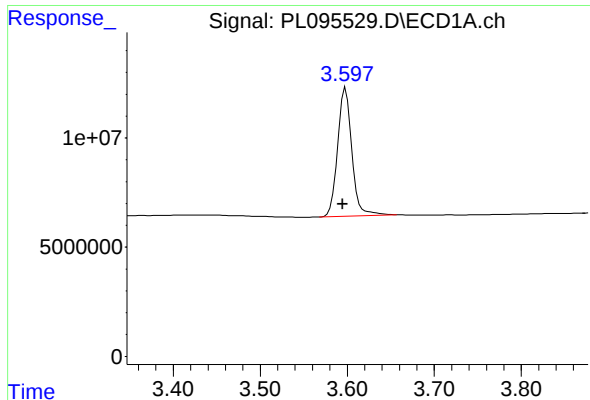
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





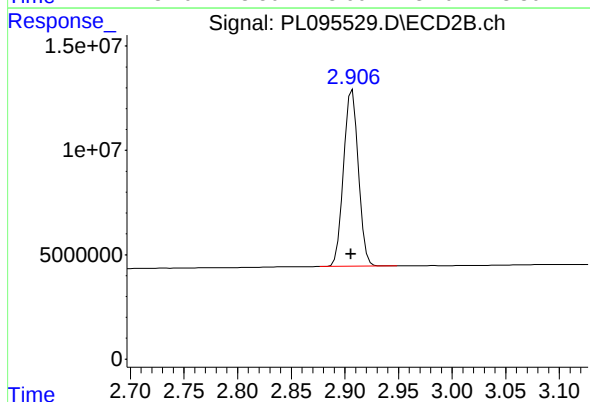
#1 Tetrachloro-m-xylene

R.T.: 3.597 min
Delta R.T.: 0.002 min
Response: 67302005
Conc: 20.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

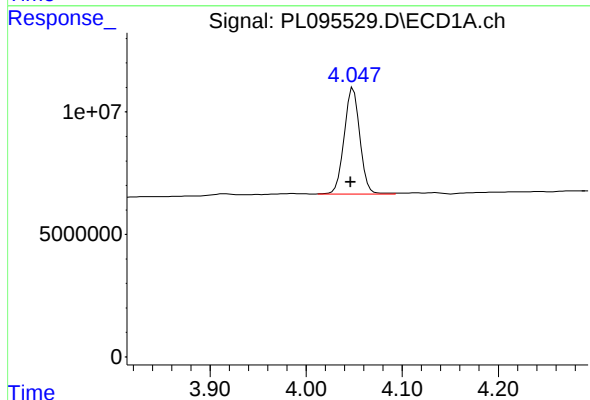
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



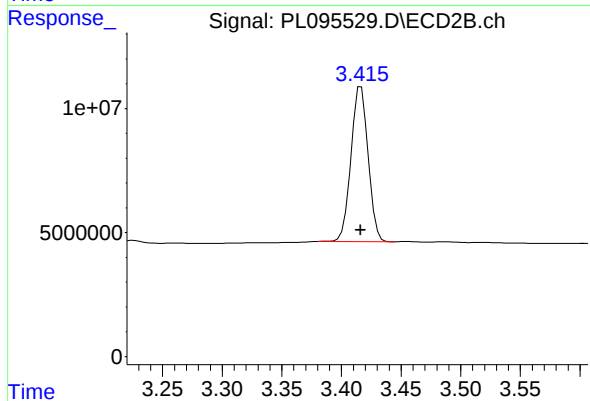
#1 Tetrachloro-m-xylene

R.T.: 2.907 min
Delta R.T.: 0.001 min
Response: 81202314
Conc: 25.54 ng/ml



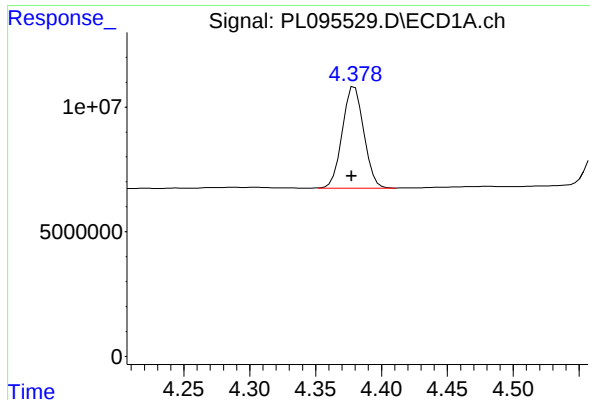
#2 alpha-BHC

R.T.: 4.049 min
Delta R.T.: 0.003 min
Response: 48778304
Conc: 9.85 ng/ml



#2 alpha-BHC

R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 62491172
Conc: 14.05 ng/ml



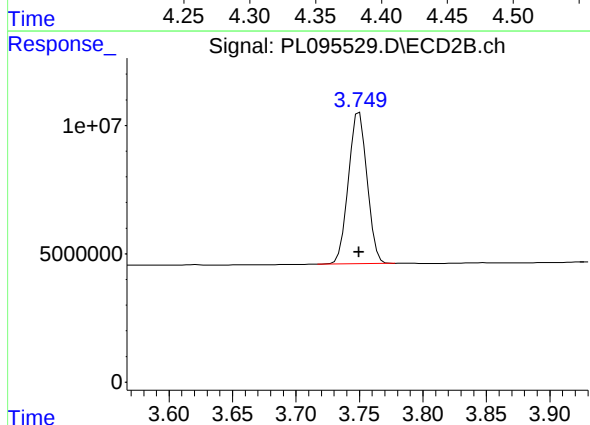
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 46408661
Conc: 9.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

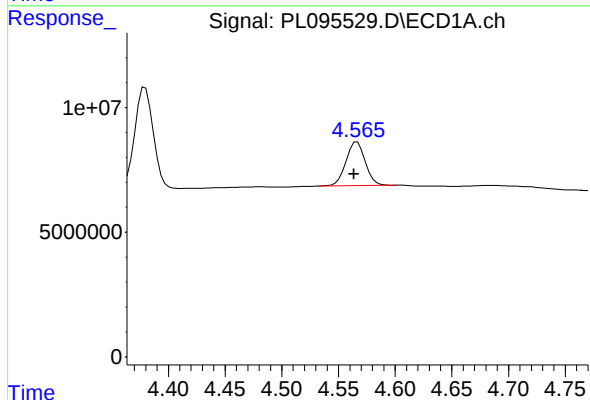
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



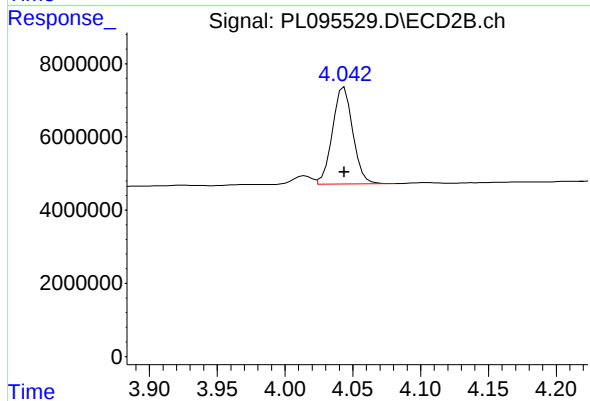
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 60266860
Conc: 13.70 ng/ml



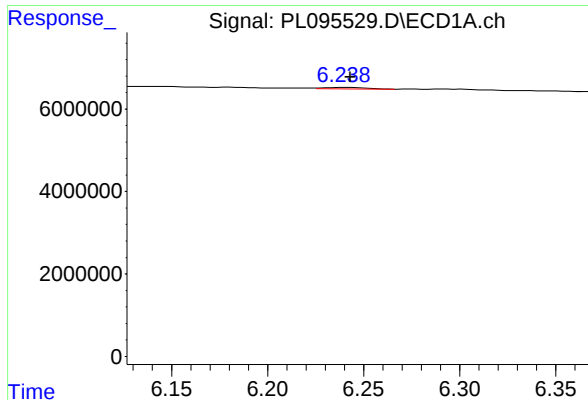
#6 beta-BHC

R.T.: 4.567 min
Delta R.T.: 0.003 min
Response: 20918275
Conc: 10.12 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 27739627
Conc: 13.36 ng/ml



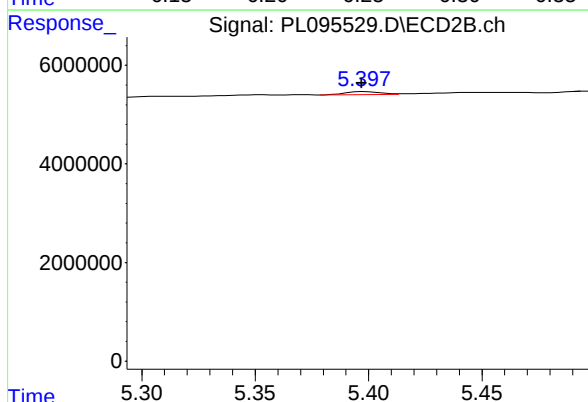
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 530305
Conc: 0.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

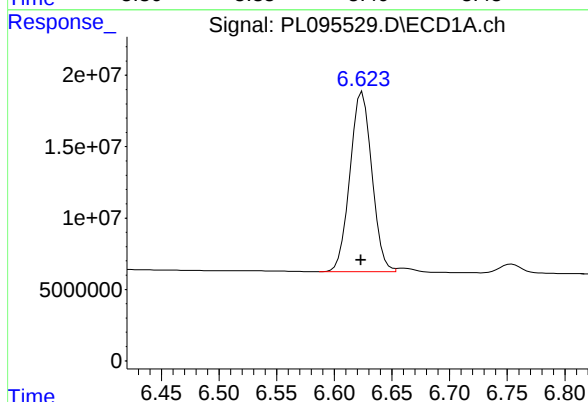
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



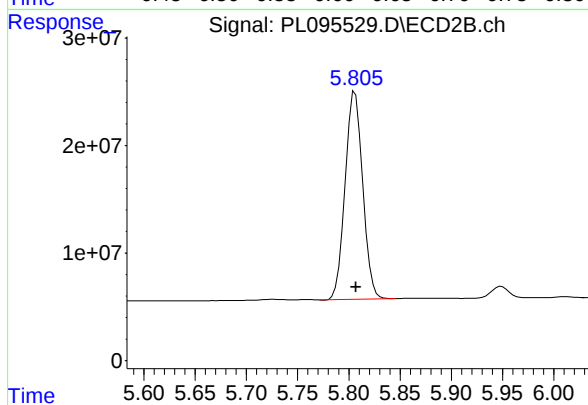
#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 625312
Conc: 0.15 ng/ml



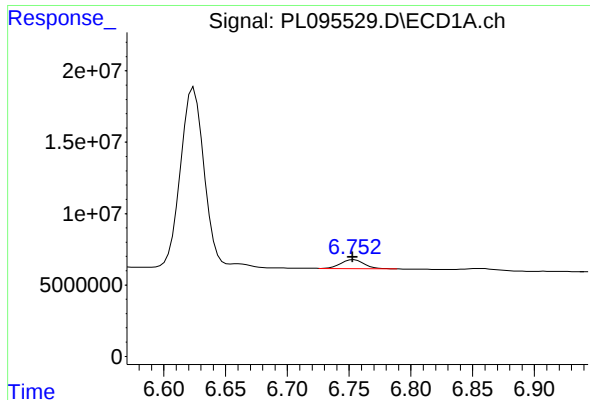
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 166035813
Conc: 52.13 ng/ml



#14 Endrin

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 229514835
Conc: 63.04 ng/ml



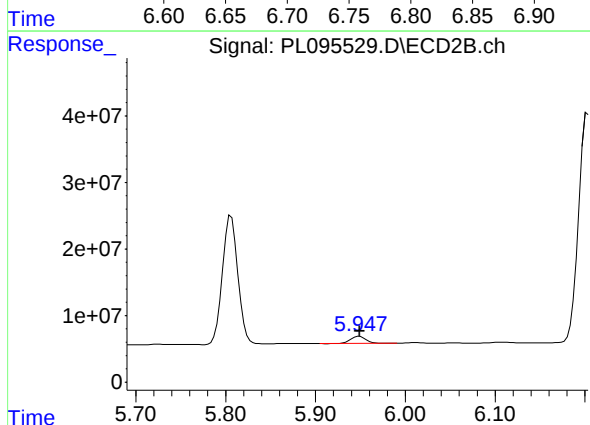
#16 4,4'-DDD

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 8355035
Conc: 2.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

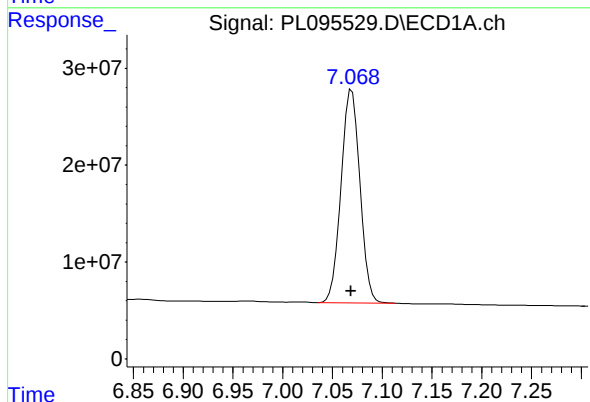
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



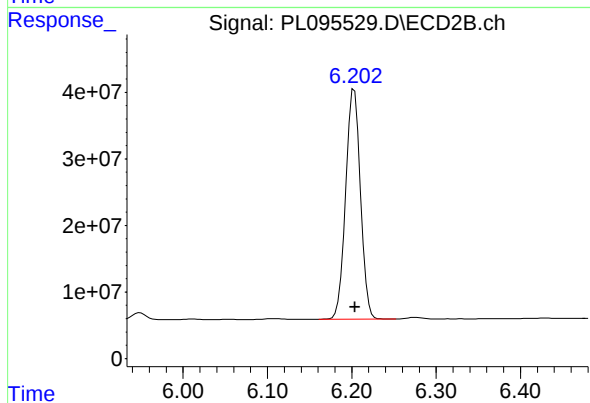
#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 12814131
Conc: 3.92 ng/ml



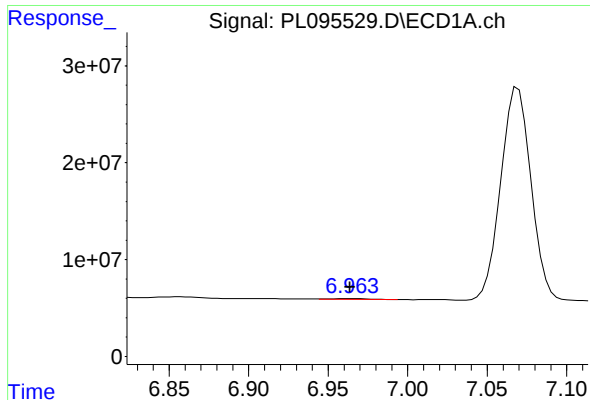
#17 4,4'-DDT

R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 291381157
Conc: 102.29 ng/ml



#17 4,4'-DDT

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 420288221
Conc: 122.31 ng/ml



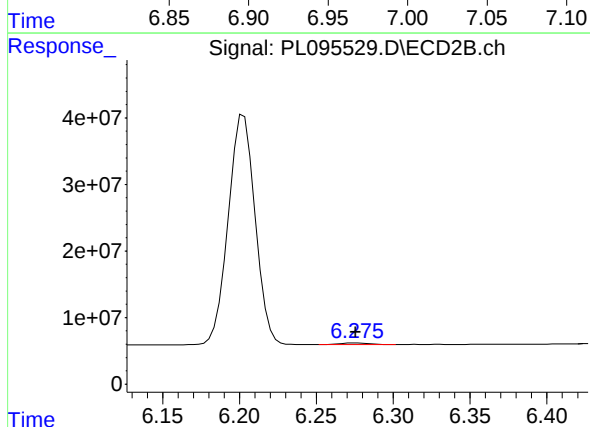
#18 Endrin aldehyde

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 1393358
Conc: 0.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

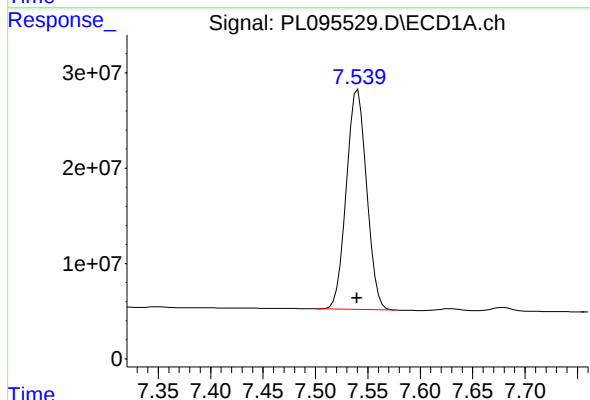
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



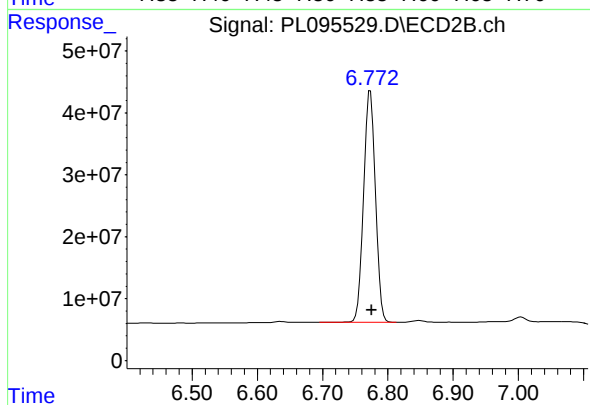
#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 3016650
Conc: 1.15 ng/ml



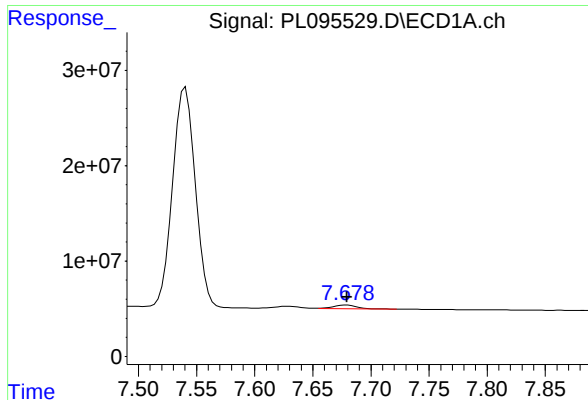
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 312228164
Conc: 223.80 ng/ml



#20 Methoxychlor

R.T.: 6.773 min
Delta R.T.: -0.002 min
Response: 471827732
Conc: 247.36 ng/ml



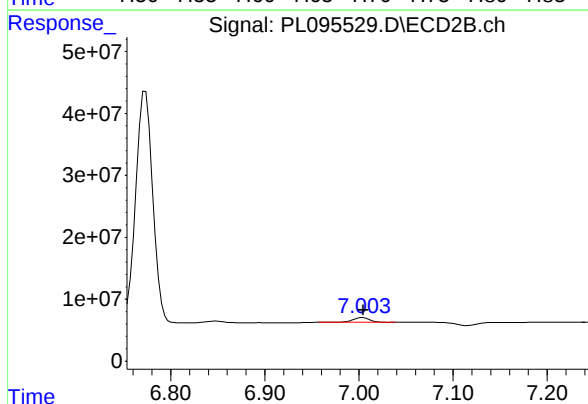
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 4992414
Conc: 1.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

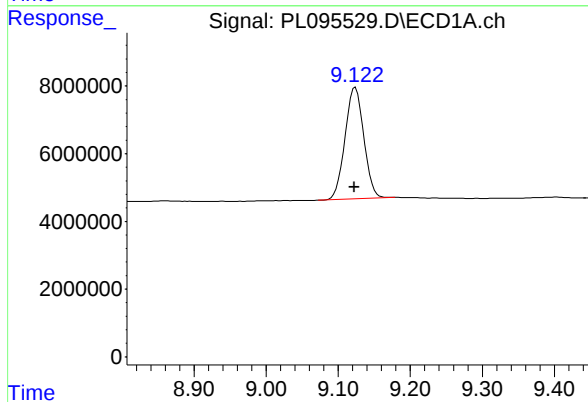
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



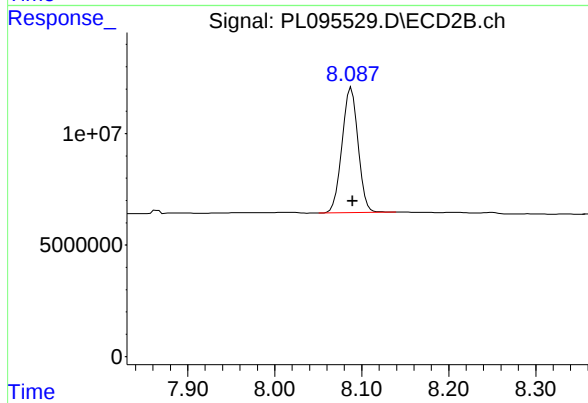
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 9410610
Conc: 2.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.002 min
Response: 59594993
Conc: 21.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.002 min
Response: 72385725
Conc: 24.46 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095546.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.121	9.020	9.220	20.430	20.000	2.2
Tetrachloro-m-xylene	3.595	3.540	3.650	19.160	20.000	-4.2
alpha-BHC	4.047	4.000	4.100	8.990	10.000	-10.1
beta-BHC	4.565	4.510	4.620	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.377	4.330	4.430	9.200	10.000	-8.0
Endrin	6.623	6.550	6.690	42.950	50.000	-14.1
4,4'-DDT	7.068	7.000	7.140	104.220	100.000	4.2
Methoxychlor	7.539	7.470	7.610	231.250	250.000	-7.5

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095546.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.085	7.980	8.190	22.160	20.000	10.8
Tetrachloro-m-xylene	2.907	2.860	2.960	22.210	20.000	11.1
alpha-BHC	3.416	3.370	3.470	12.060	10.000	20.6
beta-BHC	4.044	3.990	4.090	11.360	10.000	13.6
gamma-BHC (Lindane)	3.750	3.700	3.800	11.720	10.000	17.2
Endrin	5.806	5.740	5.880	55.070	50.000	10.1
4,4'-DDT	6.202	6.130	6.270	103.190	100.000	3.2
Methoxychlor	6.771	6.700	6.840	236.310	250.000	-5.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
 Data File : PL095546.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 18:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/06/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:42:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.907	62557227	70623719	19.162m	22.210
28) SA Decachlor...	9.121	8.085	56601778	65588281	20.428	22.164m
Target Compounds						
2) A alpha-BHC	4.047	3.416	44546239	53654591	8.992	12.061 #
3) MA gamma-BHC...	4.377	3.750	43567819	51546374	9.203m	11.720 #
6) B beta-BHC	4.565	4.044	19192923	23573220	9.283	11.356
14) MA Endrin	6.623	5.806	136.8E6	200.5E6	42.947	55.075 #
17) MA 4,4'-DDT	7.068	6.202	296.9E6	354.6E6	104.224	103.195
18) B Endrin al...	6.963	6.274	207510	2673641	0.089m	1.023m#
20) A Methoxychlor	7.539	6.771	322.6E6	450.7E6	231.251	236.307m
21) B Endrin ke...	7.676	7.003	993355	4415755	0.348m	1.254m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095546.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 18:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

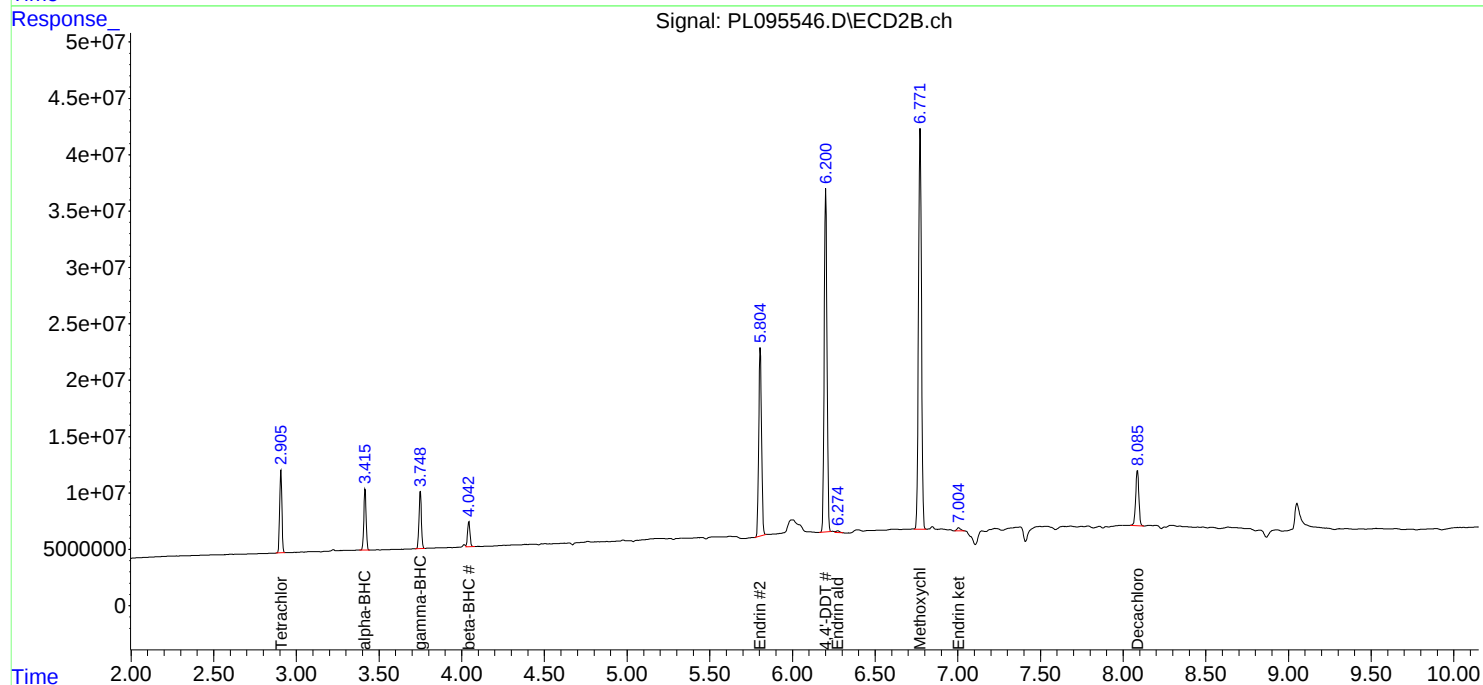
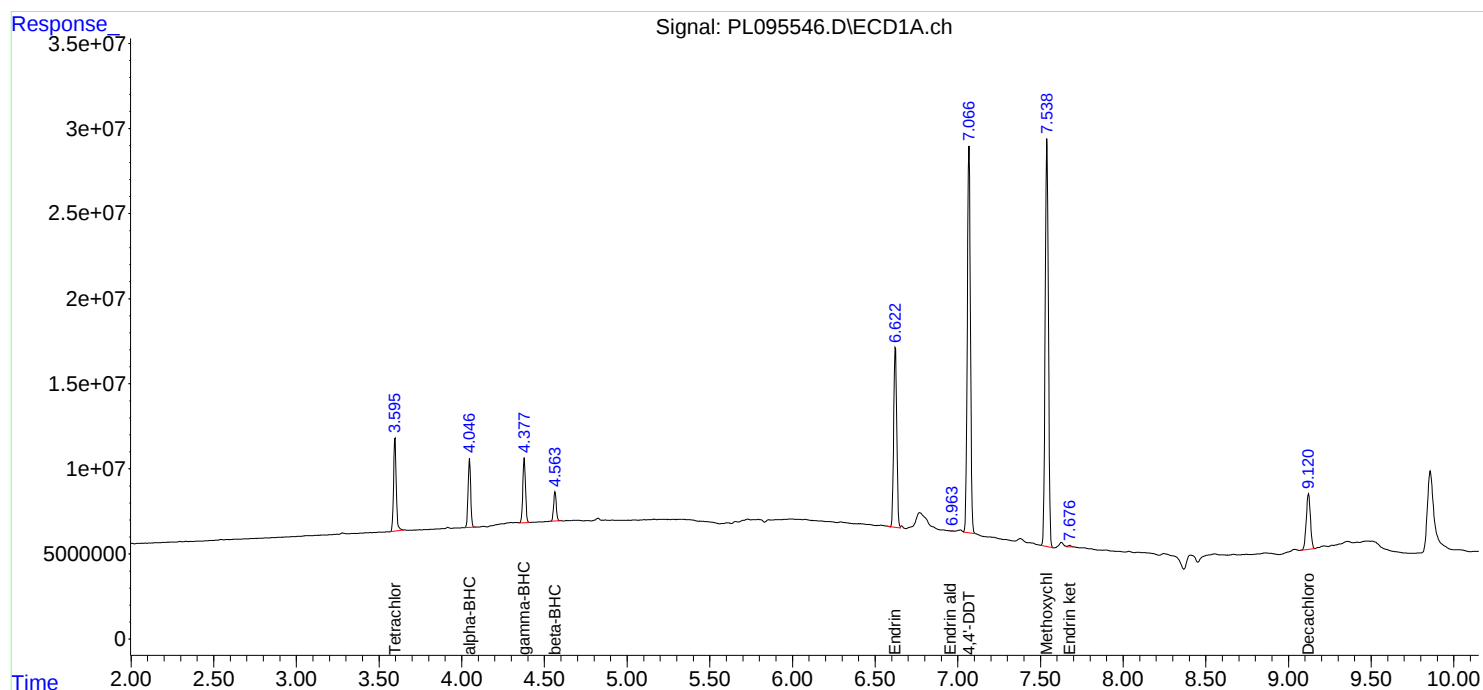
Instrument :
ECD_L
ClientSampleId :
PEM

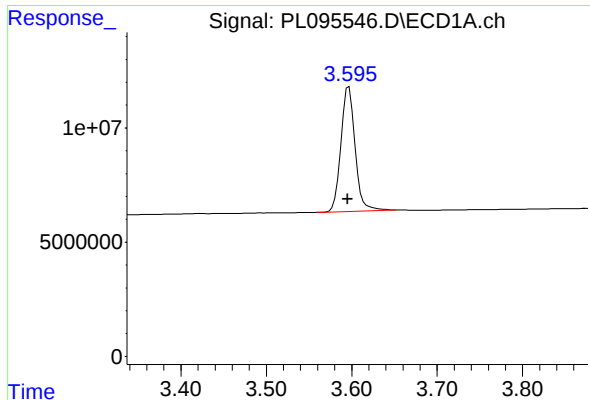
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





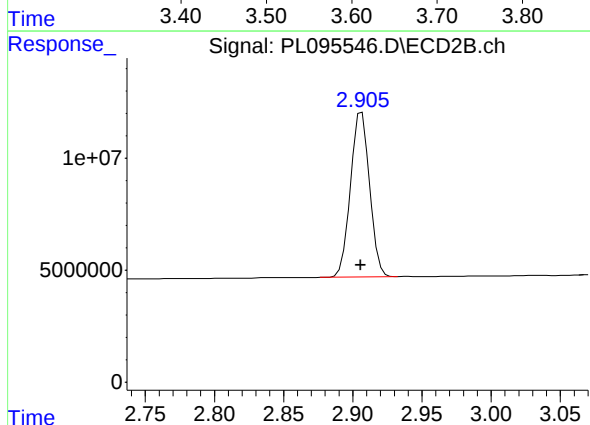
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 62557227
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

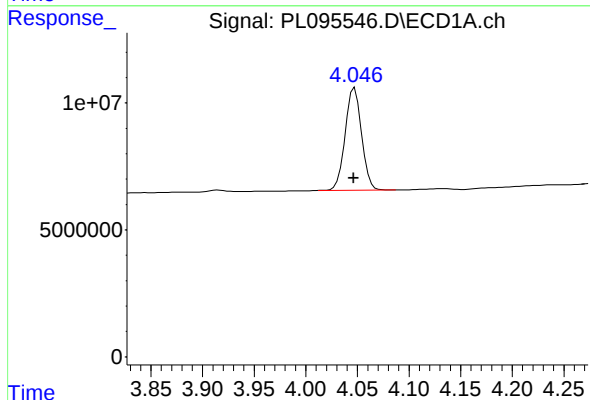
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



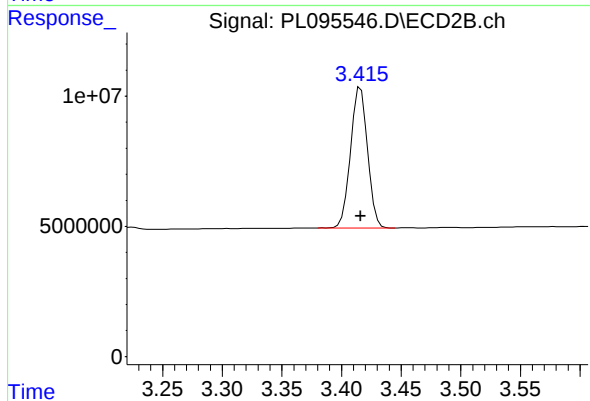
#1 Tetrachloro-m-xylene

R.T.: 2.907 min
Delta R.T.: 0.000 min
Response: 70623719
Conc: 22.21 ng/ml



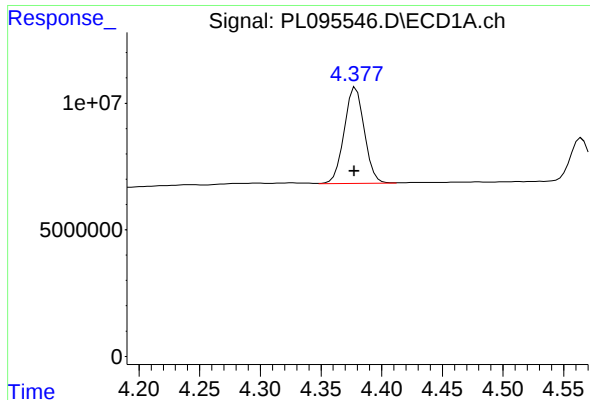
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.001 min
Response: 44546239
Conc: 8.99 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 53654591
Conc: 12.06 ng/ml



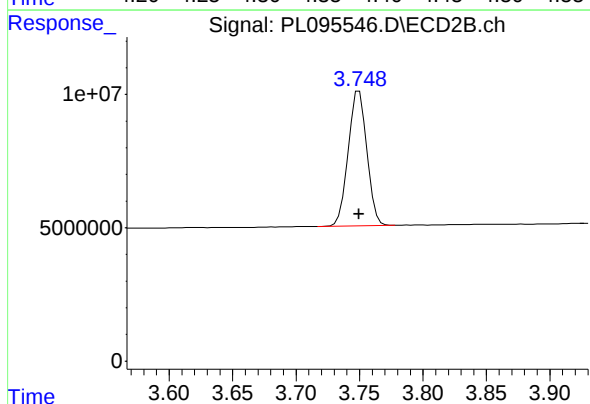
#3 gamma-BHC (Lindane)

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 43567819
Conc: 9.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

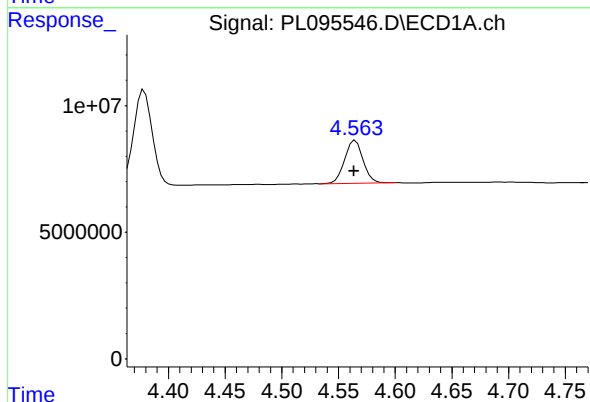
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



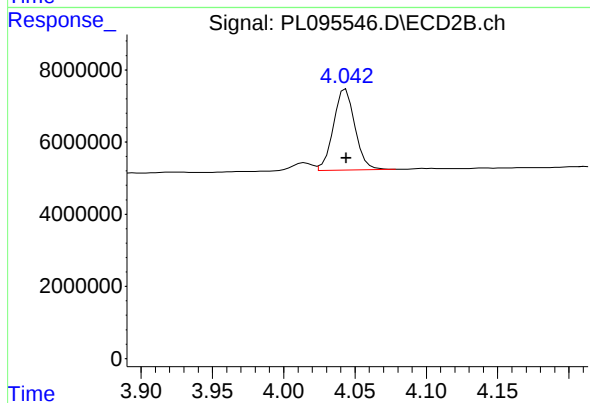
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 51546374
Conc: 11.72 ng/ml



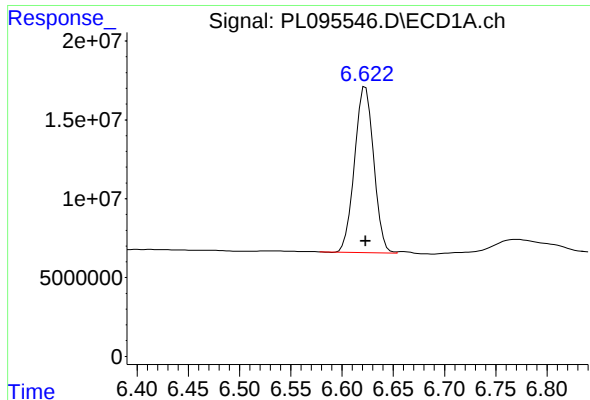
#6 beta-BHC

R.T.: 4.565 min
Delta R.T.: 0.001 min
Response: 19192923
Conc: 9.28 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 23573220
Conc: 11.36 ng/ml



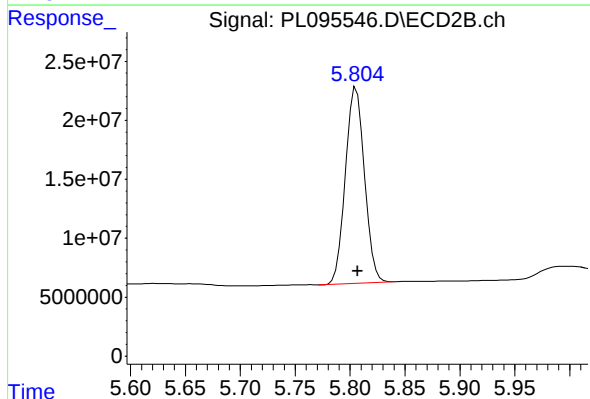
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 136776386
Conc: 42.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

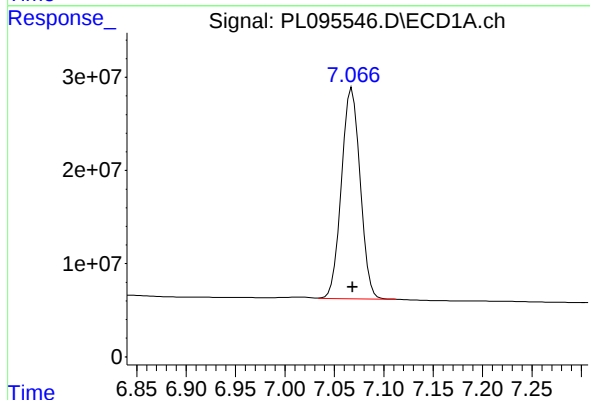
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



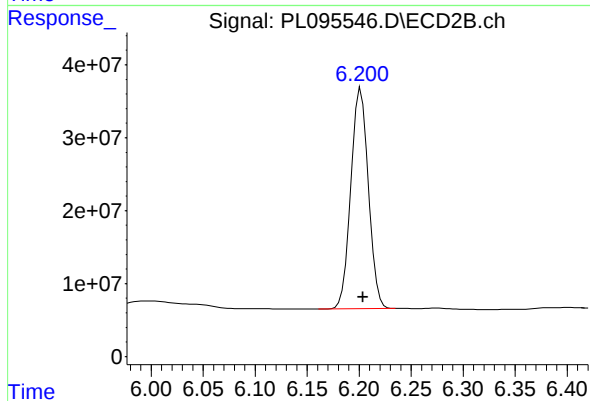
#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 200512521
Conc: 55.07 ng/ml



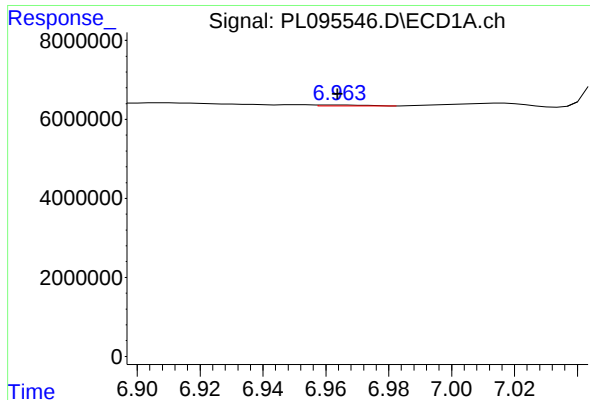
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 296891544
Conc: 104.22 ng/ml



#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.002 min
Response: 354594995
Conc: 103.19 ng/ml



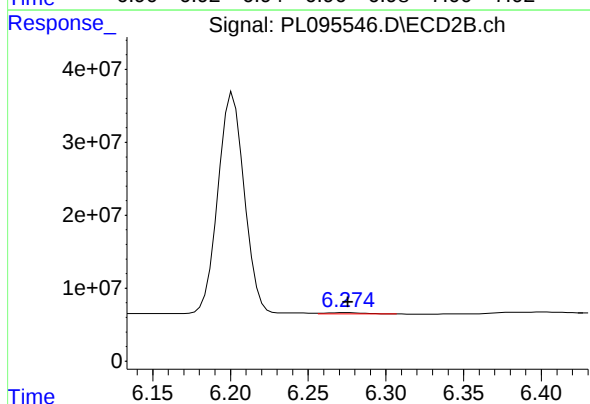
#18 Endrin aldehyde

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 207510
Conc: 0.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

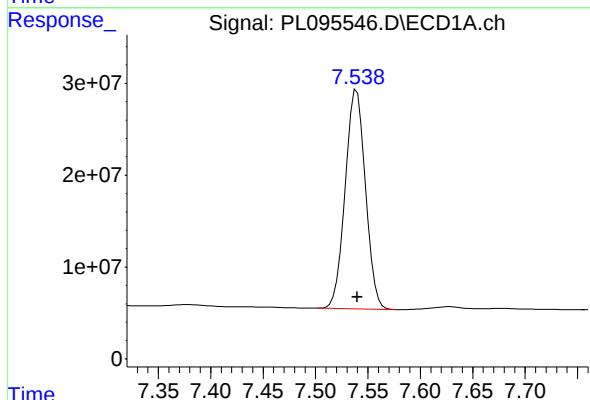
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



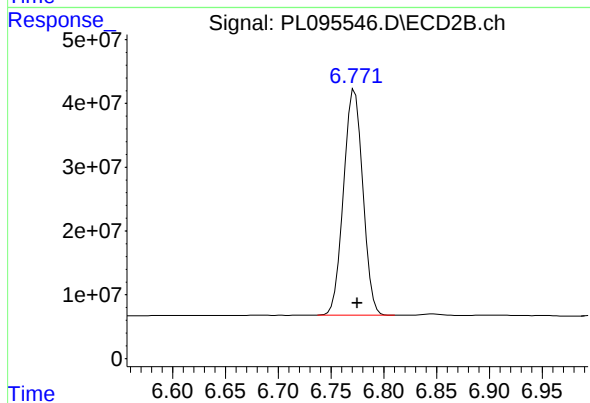
#18 Endrin aldehyde

R.T.: 6.274 min
Delta R.T.: -0.002 min
Response: 2673641
Conc: 1.02 ng/ml m



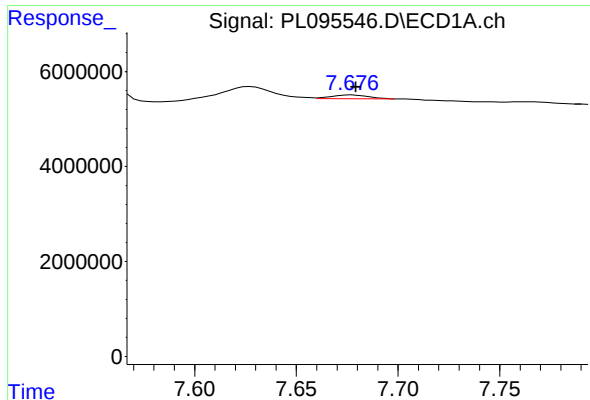
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 322625241
Conc: 231.25 ng/ml



#20 Methoxychlor

R.T.: 6.771 min
Delta R.T.: -0.004 min
Response: 450738842
Conc: 236.31 ng/ml m



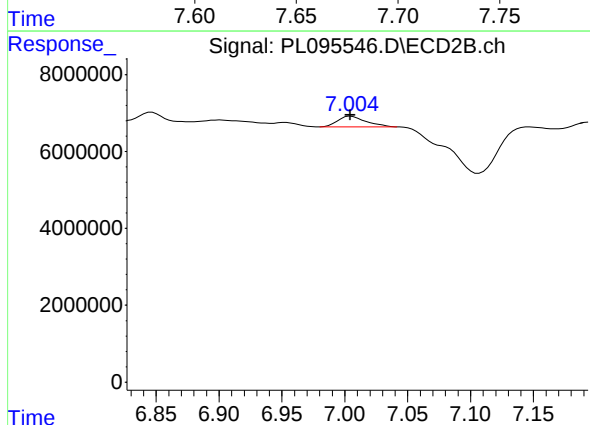
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 993355
Conc: 0.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

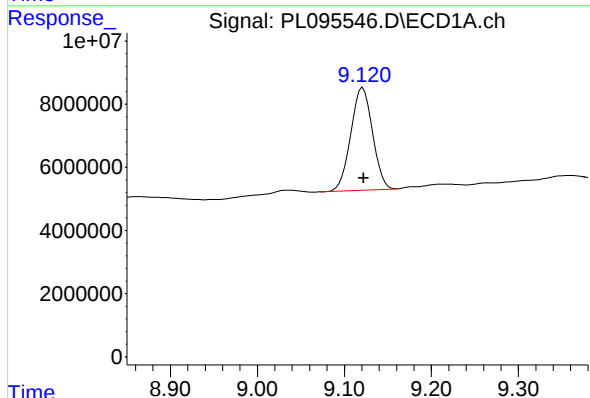
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



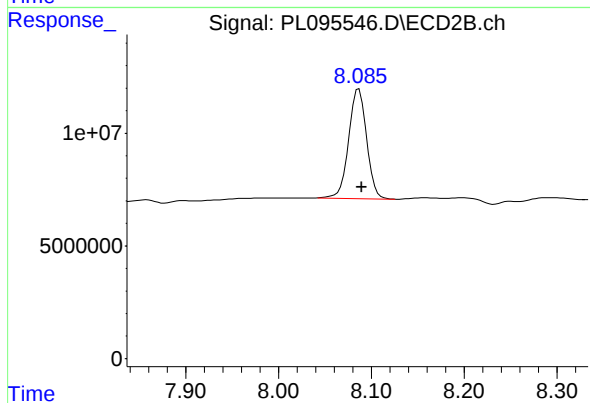
#21 Endrin ketone

R.T.: 7.003 min
Delta R.T.: 0.000 min
Response: 4415755
Conc: 1.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 56601778
Conc: 20.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.004 min
Response: 65588281
Conc: 22.16 ng/ml m

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D Date Analyzed: 05/06/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:38

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.128	9.030	9.230	20.210	20.000	1.1
Tetrachloro-m-xylene	3.598	3.550	3.650	18.810	20.000	-6.0
alpha-BHC	4.051	4.000	4.100	8.870	10.000	-11.3
beta-BHC	4.569	4.520	4.620	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.381	4.330	4.430	9.200	10.000	-8.0
Endrin	6.626	6.560	6.700	51.270	50.000	2.5
4,4'-DDT	7.073	7.000	7.140	99.920	100.000	-0.1
Methoxychlor	7.545	7.470	7.620	228.570	250.000	-8.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D Date Analyzed: 05/06/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:38

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.092	7.990	8.190	21.100	20.000	5.5
Tetrachloro-m-xylene	2.909	2.860	2.960	21.840	20.000	9.2
alpha-BHC	3.419	3.370	3.470	11.780	10.000	17.8
beta-BHC	4.047	4.000	4.100	11.420	10.000	14.2
gamma-BHC (Lindane)	3.753	3.700	3.800	11.540	10.000	15.4
Endrin	5.810	5.740	5.880	54.960	50.000	9.9
4,4'-DDT	6.207	6.140	6.280	104.730	100.000	4.7
Methoxychlor	6.778	6.710	6.850	221.370	250.000	-11.5

Data File: PEM
 PL095561.D Date Acquired 5/6/2025 12:38
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.63	163271798	166255677.8	2983879.71	1.79
Endrin aldehyde	6.97	559490.412			
Endrin ketone	7.68	2424389.299			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	200102005	205878688	5776682.94	2.81
Endrin aldehyde #2	6.28	2119900.428			
Endrin ketone #2	7.01	3656782.513			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	284633915.9	288932193.9	4298277.97	1.49
4,4'-DDE	0.00	0			
4,4'-DDD	6.76	4298277.972			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.21	359857998.2	365582732.2	5724734	1.57
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	5724734			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
 Data File : PL095561.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 12:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:40:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.598	2.909	61424172	69439253	18.815m	21.838
28)	SA Decachlor...	9.128	8.092	56003782	62431479	20.212	21.097
Target Compounds							
2)	A alpha-BHC	4.051	3.419	43928418	52388008	8.868	11.776 #
3)	MA gamma-BHC...	4.381	3.753	43573454	50753813	9.204m	11.540 #
6)	B beta-BHC	4.569	4.047	19177011	23707306	9.275	11.420
14)	MA Endrin	6.626	5.810	163.3E6	200.1E6	51.267m	54.962
16)	A 4,4'-DDD	6.755	5.951	4298278	5724734	1.518m	1.752m
17)	MA 4,4'-DDT	7.073	6.207	284.6E6	359.9E6	99.921	104.726
18)	B Endrin al...	6.966	6.279	559490	2119900	0.241m	0.811m#
20)	A Methoxychlor	7.545	6.778	318.9E6	422.2E6	228.569	221.368
21)	B Endrin ke...	7.682	7.008	2424389	3656783	0.850m	1.038m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

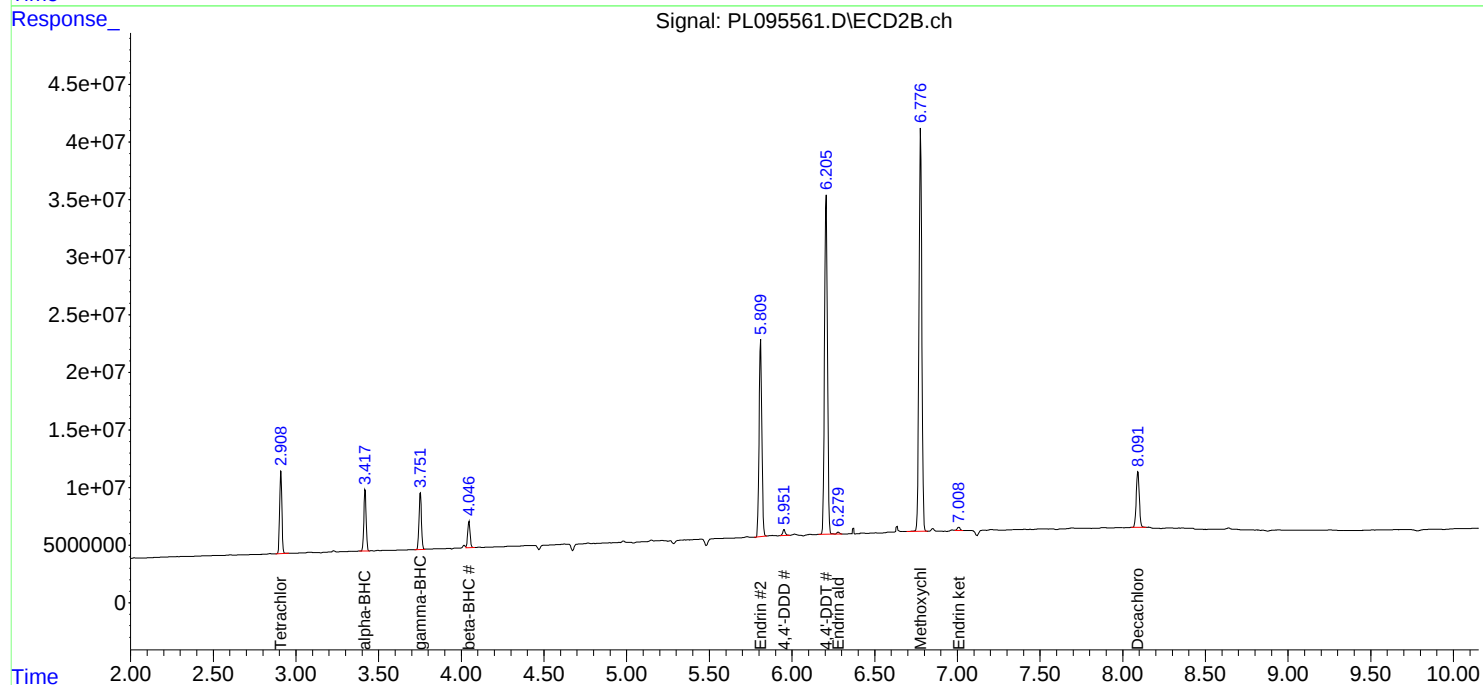
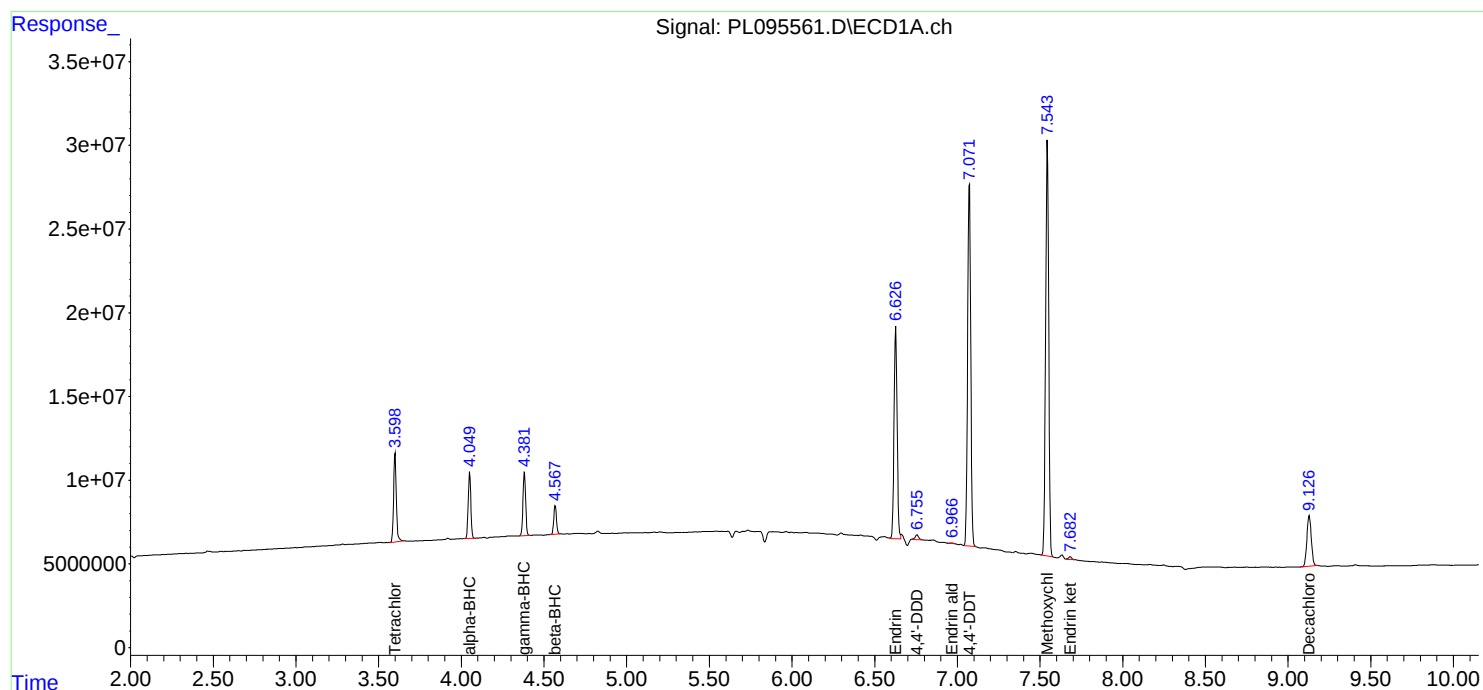
Instrument :
ECD_L
ClientSampleId :
PEM

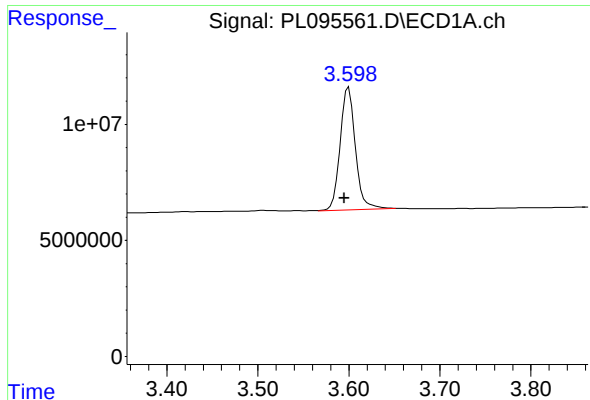
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





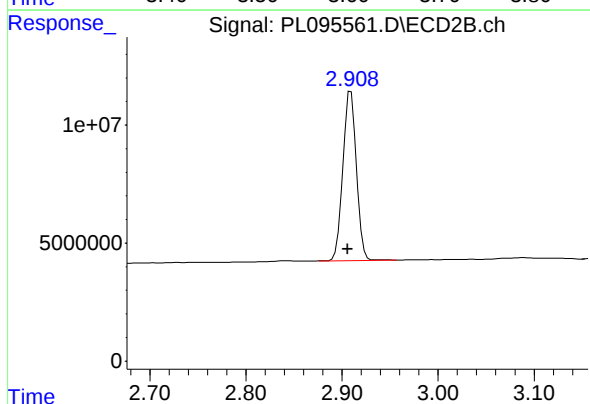
#1 Tetrachloro-m-xylene

R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 61424172
Conc: 18.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

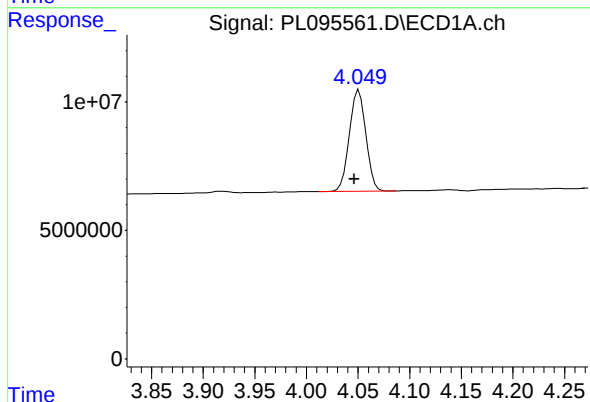
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



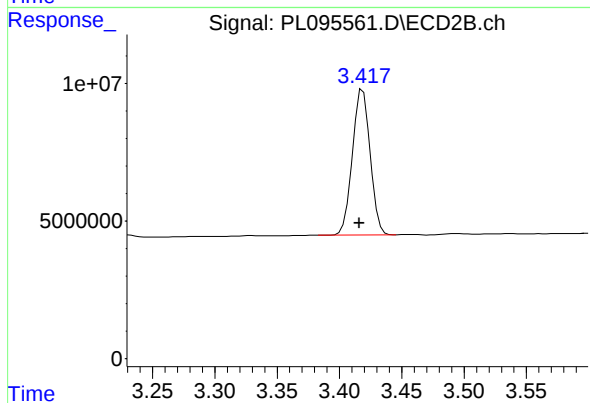
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 69439253
Conc: 21.84 ng/ml



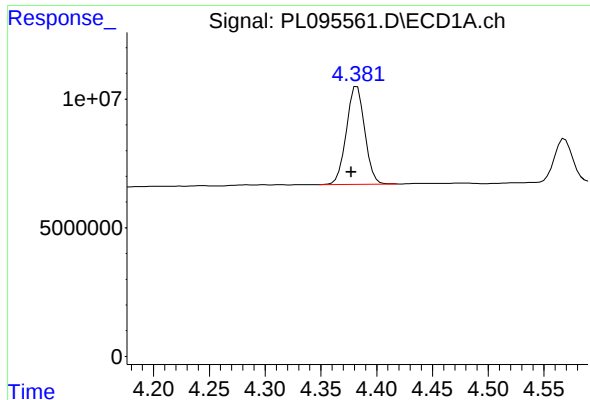
#2 alpha-BHC

R.T.: 4.051 min
Delta R.T.: 0.005 min
Response: 43928418
Conc: 8.87 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 52388008
Conc: 11.78 ng/ml



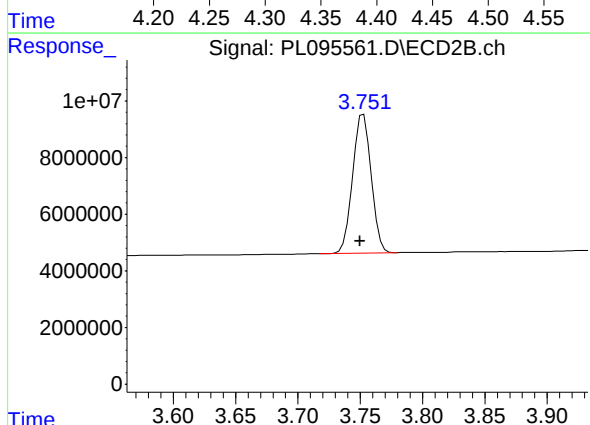
#3 gamma-BHC (Lindane)

R.T.: 4.381 min
Delta R.T.: 0.004 min
Response: 43573454
Conc: 9.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

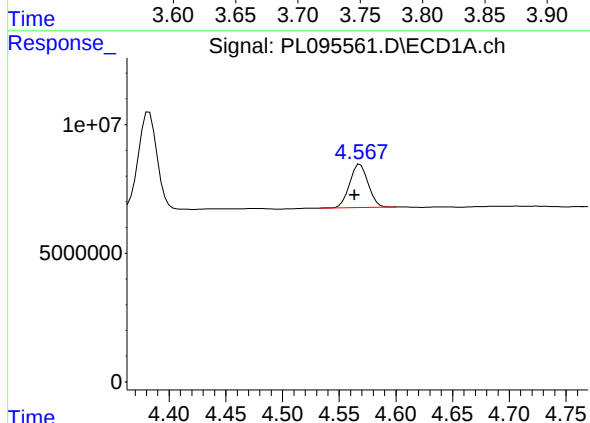
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



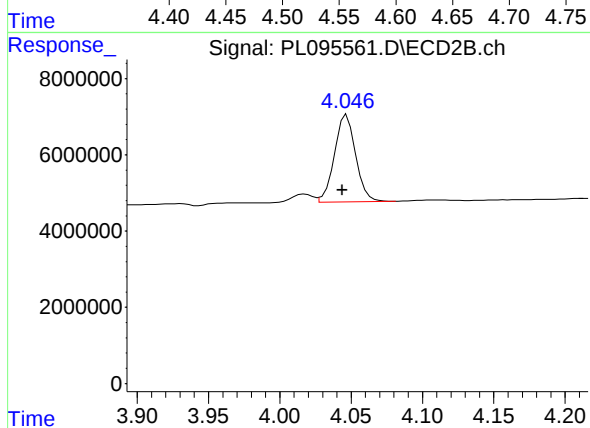
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.003 min
Response: 50753813
Conc: 11.54 ng/ml



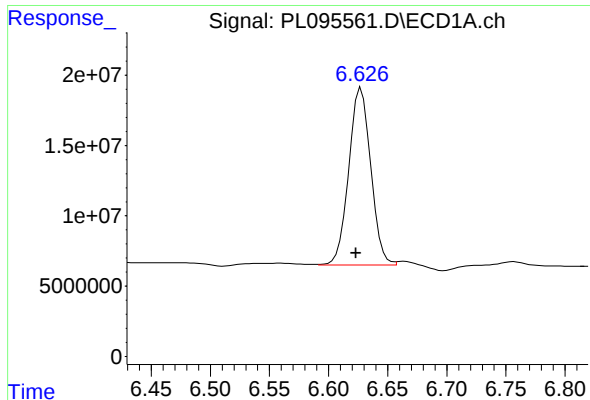
#6 beta-BHC

R.T.: 4.569 min
Delta R.T.: 0.005 min
Response: 19177011
Conc: 9.28 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.003 min
Response: 23707306
Conc: 11.42 ng/ml



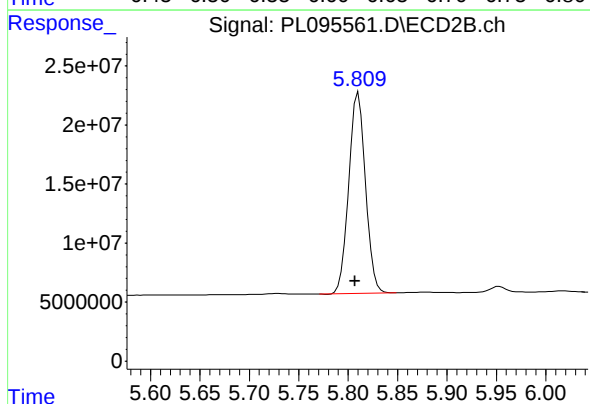
#14 Endrin

R.T.: 6.626 min
Delta R.T.: 0.003 min
Response: 163271798
Conc: 51.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

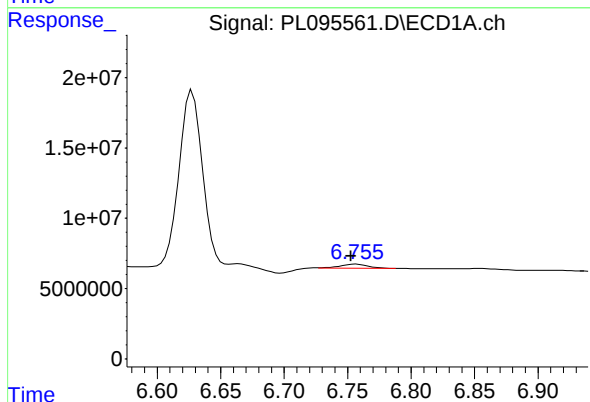
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



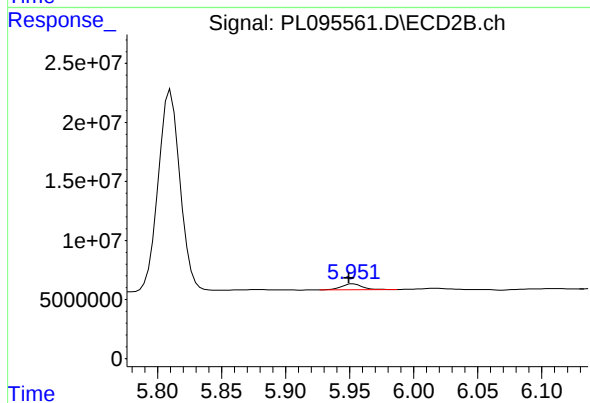
#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.003 min
Response: 200102005
Conc: 54.96 ng/ml



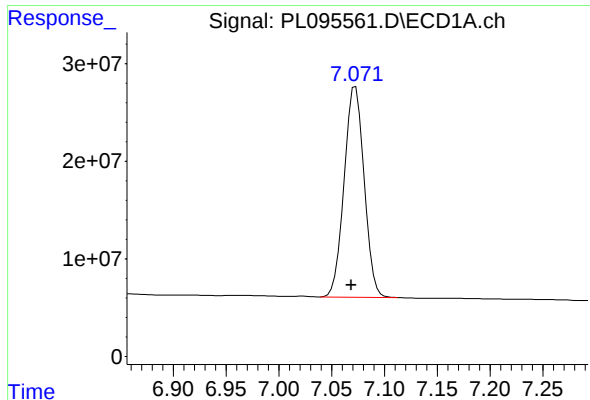
#16 4,4'-DDD

R.T.: 6.755 min
Delta R.T.: 0.002 min
Response: 4298278
Conc: 1.52 ng/ml m



#16 4,4'-DDD

R.T.: 5.951 min
Delta R.T.: 0.002 min
Response: 5724734
Conc: 1.75 ng/ml m



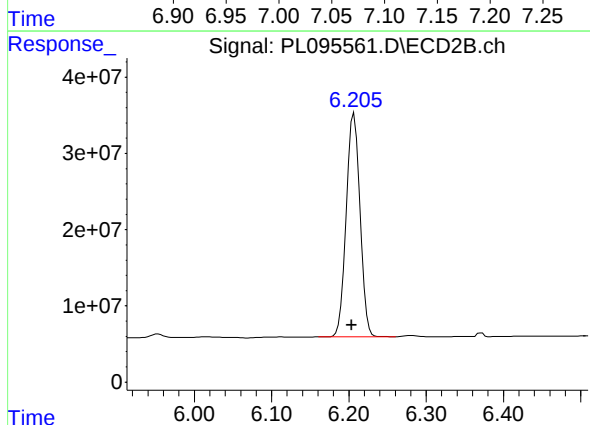
#17 4,4'-DDT

R.T.: 7.073 min
Delta R.T.: 0.004 min
Response: 284633916
Conc: 99.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

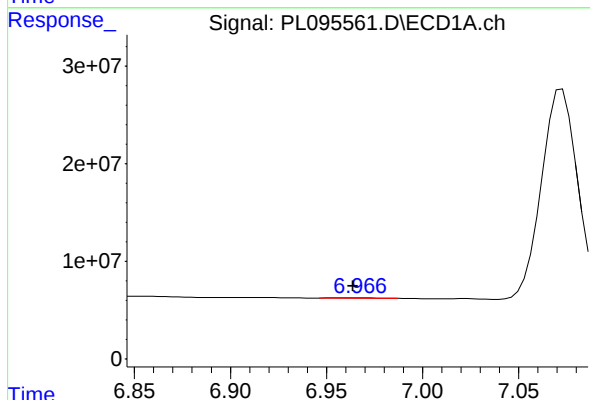
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



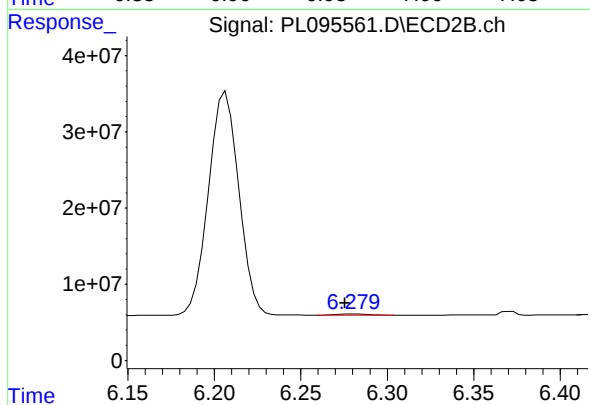
#17 4,4'-DDT

R.T.: 6.207 min
Delta R.T.: 0.003 min
Response: 359857998
Conc: 104.73 ng/ml



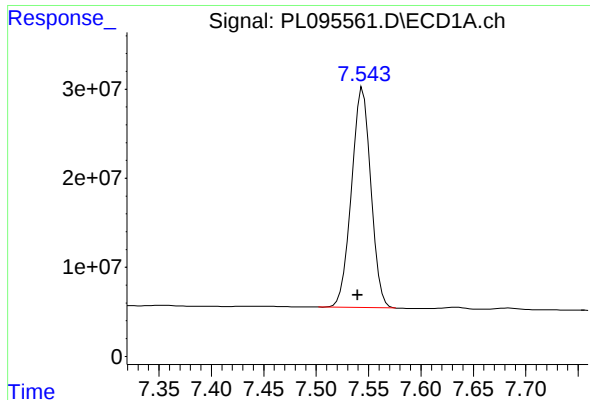
#18 Endrin aldehyde

R.T.: 6.966 min
Delta R.T.: 0.002 min
Response: 559490
Conc: 0.24 ng/ml m



#18 Endrin aldehyde

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 2119900
Conc: 0.81 ng/ml m



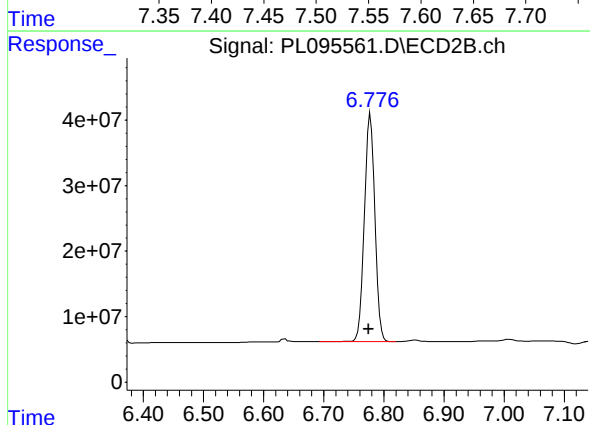
#20 Methoxychlor

R.T.: 7.545 min
Delta R.T.: 0.005 min
Response: 318884198
Conc: 228.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

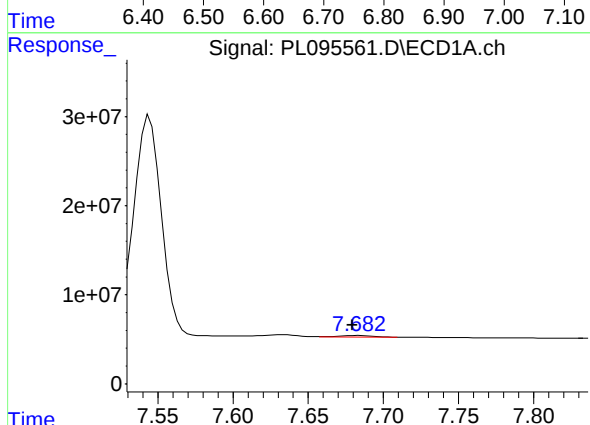
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



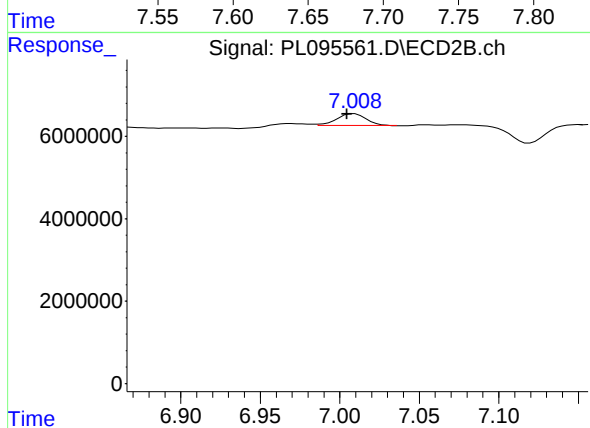
#20 Methoxychlor

R.T.: 6.778 min
Delta R.T.: 0.003 min
Response: 422242777
Conc: 221.37 ng/ml



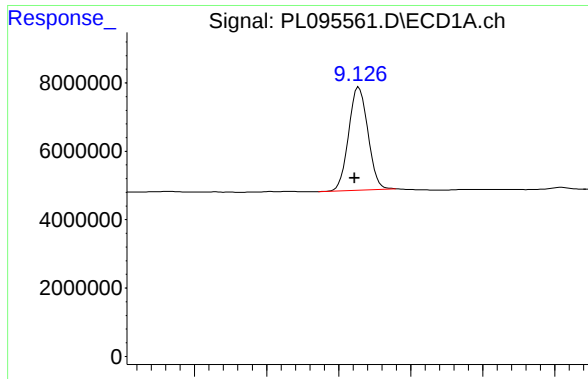
#21 Endrin ketone

R.T.: 7.682 min
Delta R.T.: 0.003 min
Response: 2424389
Conc: 0.85 ng/ml m



#21 Endrin ketone

R.T.: 7.008 min
Delta R.T.: 0.003 min
Response: 3656783
Conc: 1.04 ng/ml m



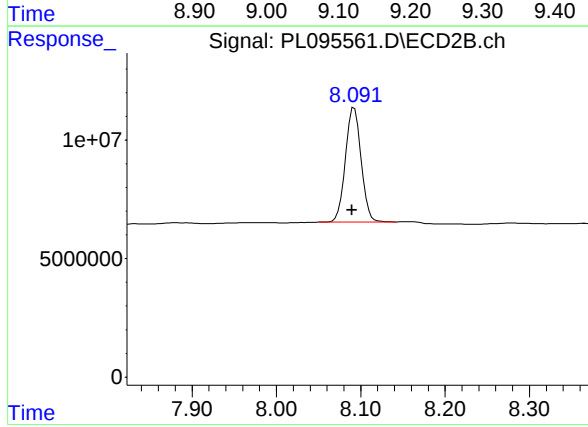
#28 Decachlorobiphenyl

R.T.: 9.128 min
Delta R.T.: 0.006 min
Response: 56003782
Conc: 20.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.092 min
Delta R.T.: 0.003 min
Response: 62431479
Conc: 21.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Acq On : 23 Apr 2025 11:18
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\PL042325.M
Title : GC Extractables
Last Update : Wed Apr 23 14:07:39 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.594	5.992	100.00%
5.992	6.122	100.00%
6.122	6.242	100.00%
6.242	6.395	100.00%
6.395	7.197	100.00%
7.197	7.539	100.00%
7.539	7.678	100.00%
7.678	9.122	100.00%

Signal #2

2.906	5.145	100.00%
5.145	5.266	100.00%
5.266	5.397	100.00%
5.397	5.531	100.00%
5.531	6.498	100.00%
6.498	6.775	100.00%
6.775	7.004	100.00%
7.004	8.089	100.00%

PL042325.M Wed Apr 23 14:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:18
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.906	62004694	61272348	18.993	19.270
28) SA Decachlor...	9.122	8.089	53403082	56912207	19.273	19.232
Target Compounds						
9) A Endosulfan I	6.122	5.266	32613312	32263148	8.588	8.814
10) B gamma-Chl...	5.992	5.144	37114775	37866092	9.098	9.343m
12) B 4,4'-DDE	6.242	5.397	74307748	78460494	18.953	19.292
13) MA Dieldrin	6.395	5.531	71017950	76605618	18.423	18.836
19) B Endosulfa...	7.197	6.498	53082691	63329750	18.946	19.087
20) A Methoxychlor	7.539	6.775	125.8E6	173.2E6	90.164	90.816
21) B Endrin ke...	7.678	7.004	53522821	65934818	18.774	18.725

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

RESCHK

Manual Integrations

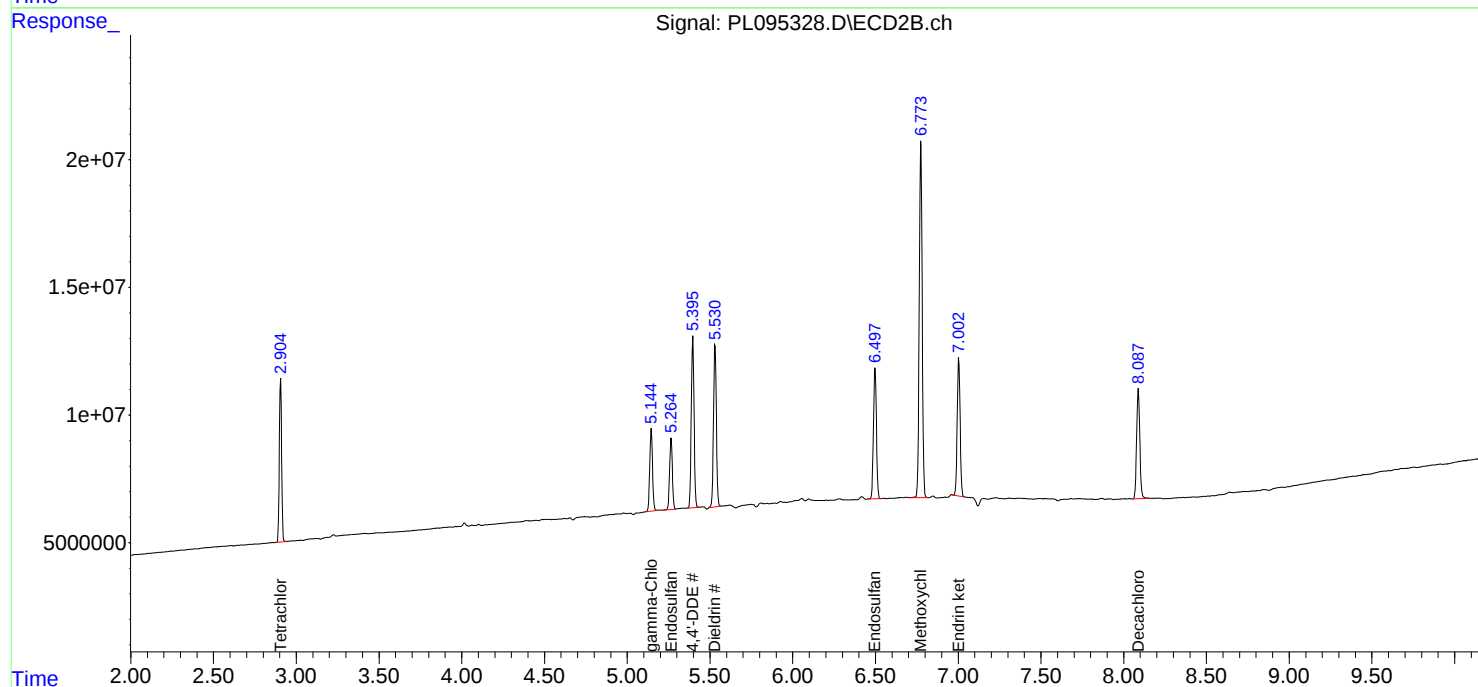
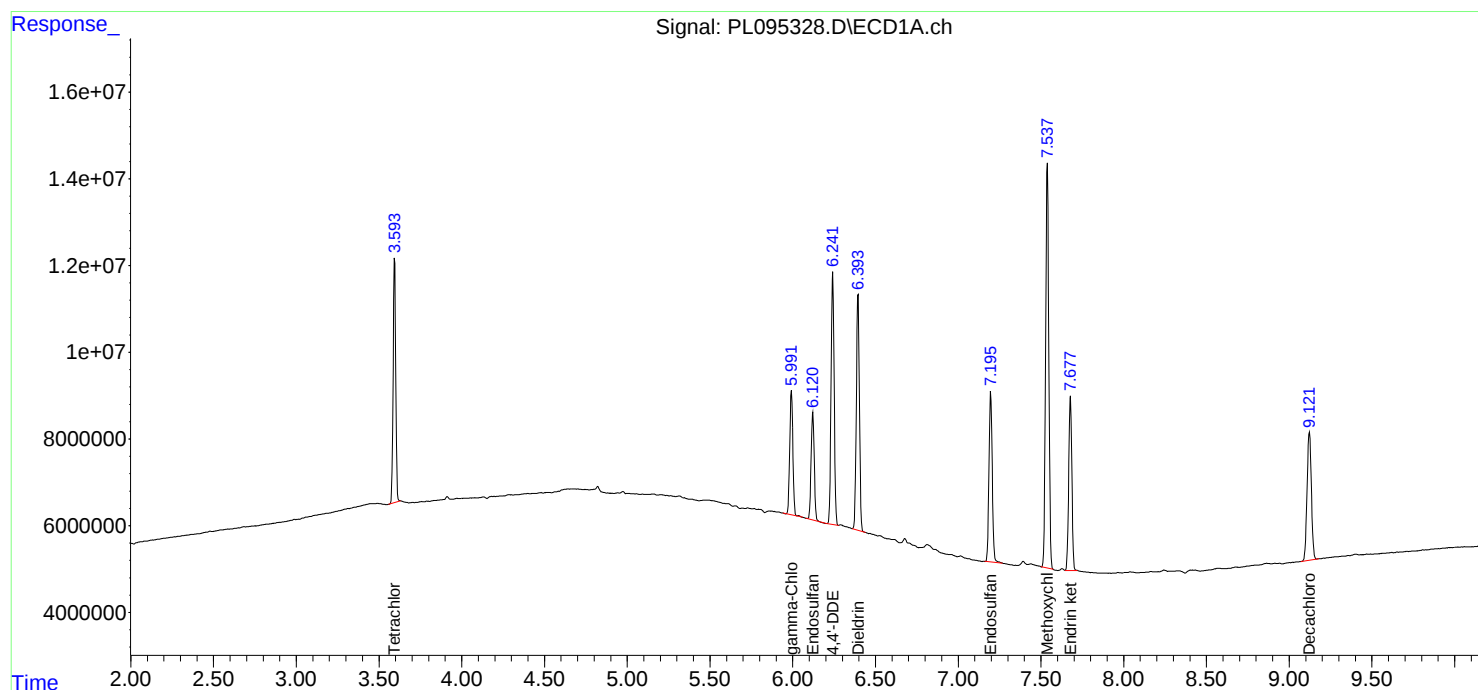
APPROVED

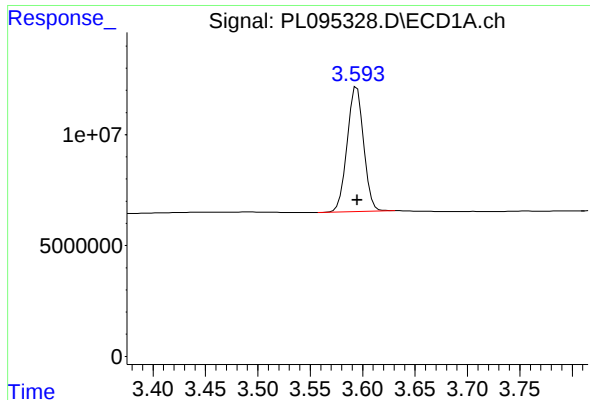
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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





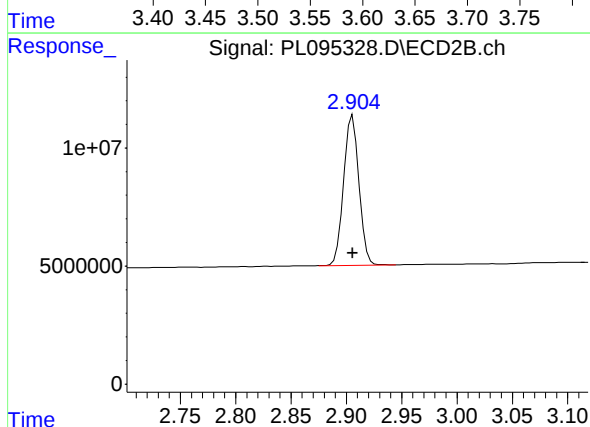
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 62004694
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

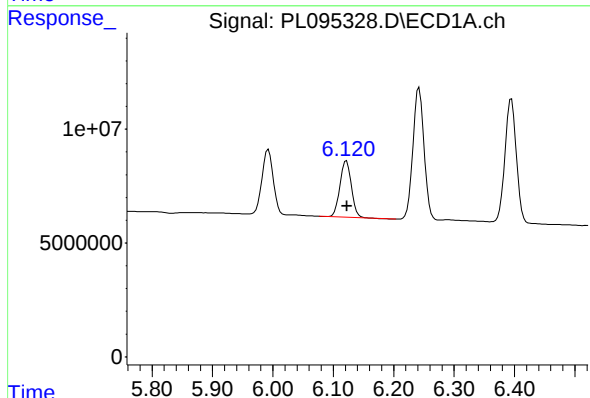
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



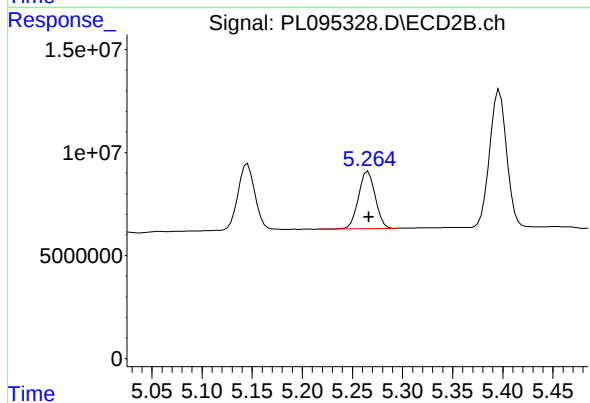
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 61272348
Conc: 19.27 ng/ml



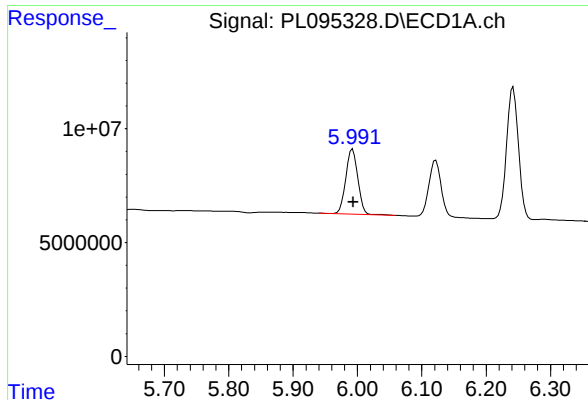
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 32613312
Conc: 8.59 ng/ml



#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 32263148
Conc: 8.81 ng/ml



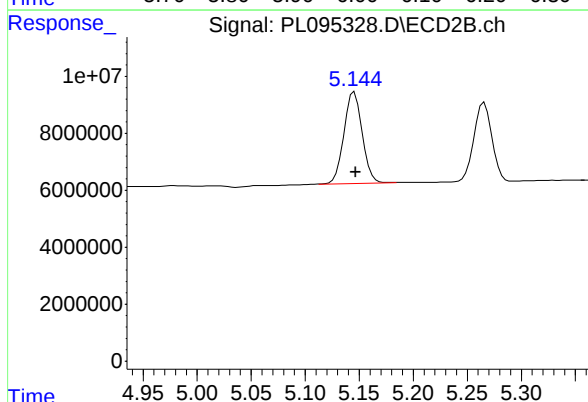
#10 gamma-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.001 min
Response: 37114775
Conc: 9.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

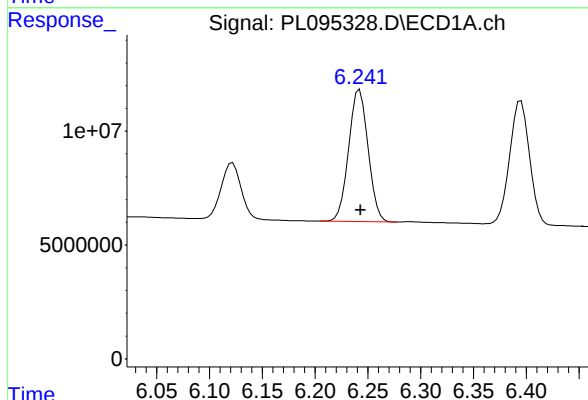
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



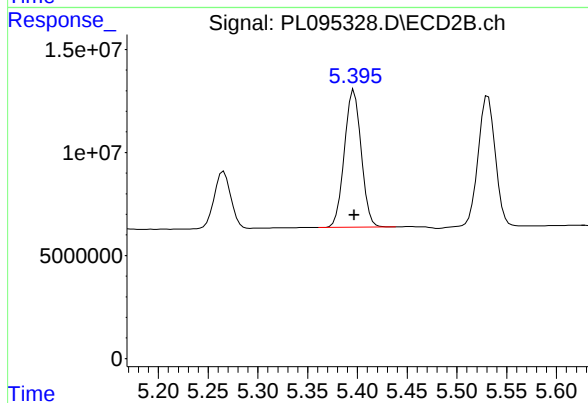
#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 37866092
Conc: 9.34 ng/ml



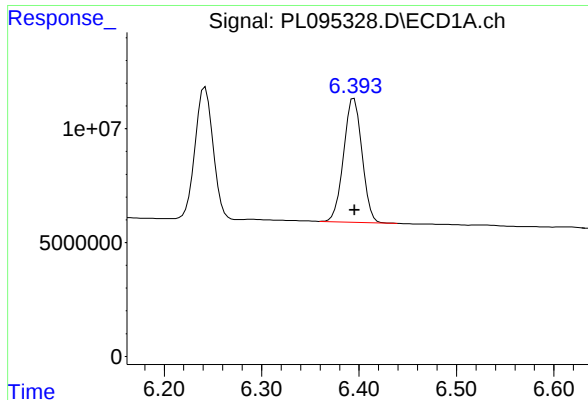
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 74307748
Conc: 18.95 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 78460494
Conc: 19.29 ng/ml



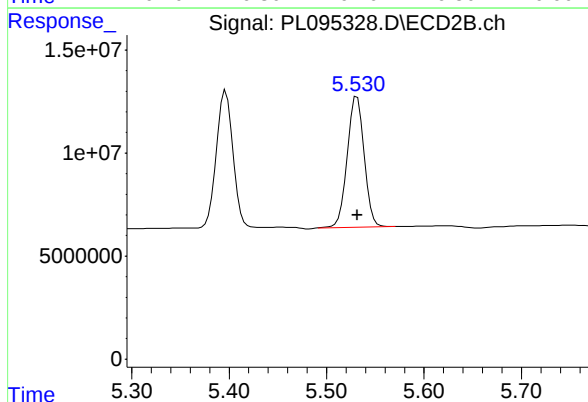
#13 Dieldrin

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 71017950
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

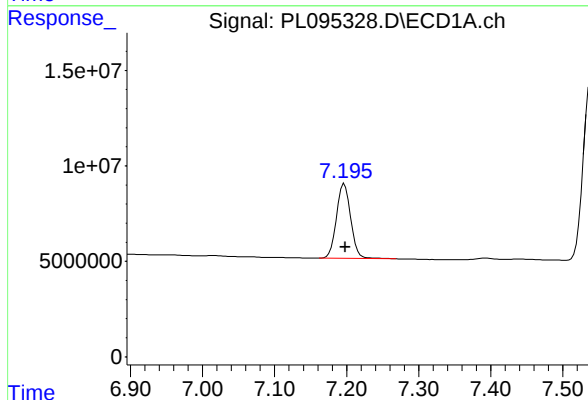
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



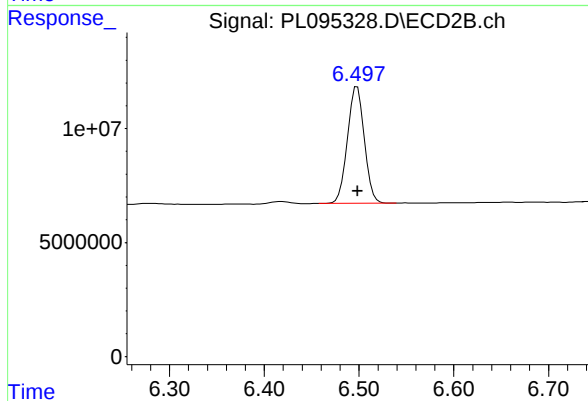
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 76605618
Conc: 18.84 ng/ml



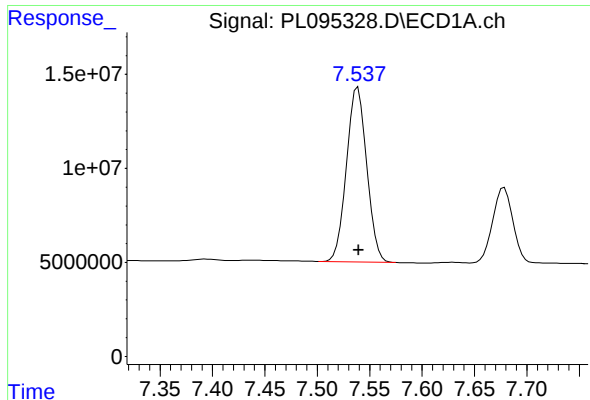
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: -0.001 min
Response: 53082691
Conc: 18.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 63329750
Conc: 19.09 ng/ml



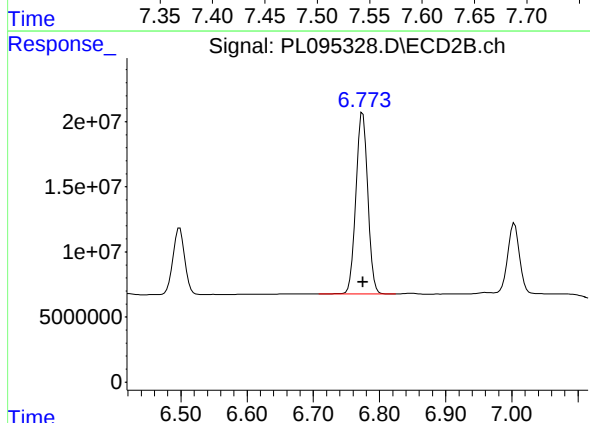
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 125791271
Conc: 90.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

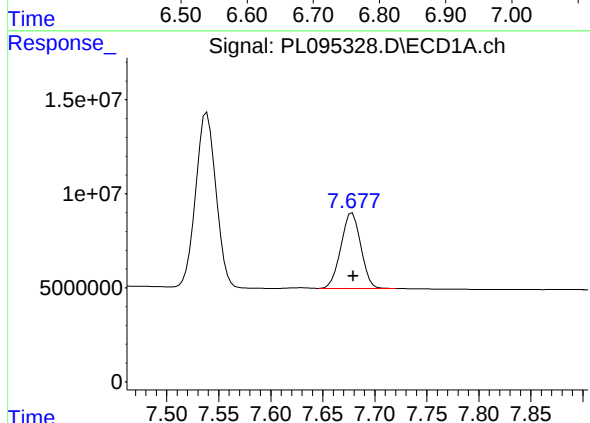
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



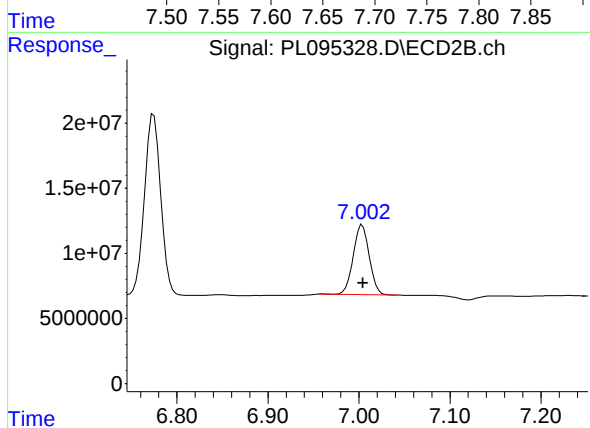
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 173224939
Conc: 90.82 ng/ml



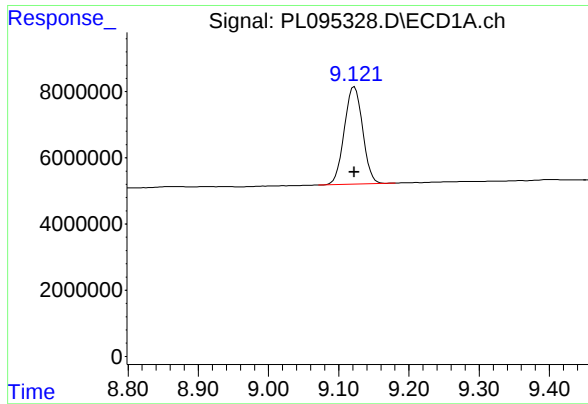
#21 Endrin ketone

R.T.: 7.678 min
Delta R.T.: 0.000 min
Response: 53522821
Conc: 18.77 ng/ml



#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 65934818
Conc: 18.72 ng/ml



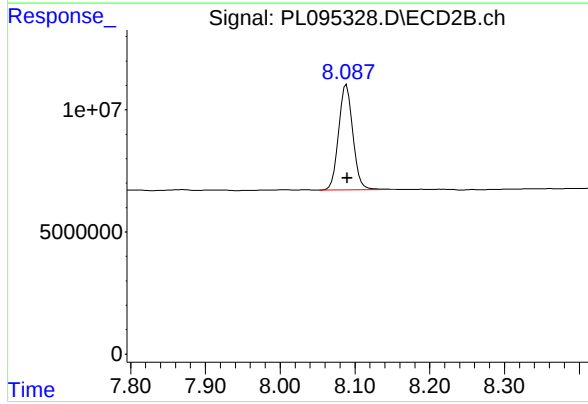
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 53403082
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 56912207
Conc: 19.23 ng/ml

Analytical Sequence

Client: Saxton Falls Sand and Gravel Co. Inc.

SDG No.: Q1938

Project: Stan Hope

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025

04/23/2025

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	04/23/2025	10:50	PL095326.D	9.12	3.59
PEM	PEM	04/23/2025	11:04	PL095327.D	9.12	3.59
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	9.12	3.59
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	9.12	3.60
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	9.12	3.60
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	9.12	3.60
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	9.12	3.60
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	9.12	3.60
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	9.12	3.60
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	9.12	3.59
IBLK	IBLK	05/05/2025	08:14	PL095528.D	9.12	3.60
PEM	PEM	05/05/2025	09:21	PL095529.D	9.12	3.60
PSTDCCC050	PSTDCCC050	05/05/2025	09:35	PL095530.D	9.12	3.59
PB167854BL	PB167854BL	05/05/2025	12:37	PL095531.D	9.13	3.60
PB167854BS	PB167854BS	05/05/2025	13:25	PL095532.D	9.12	3.60
SMALL-PILE-AMS	Q1936-01MS	05/05/2025	15:06	PL095539.D	9.11	3.59
SMALL-PILE-AMSD	Q1936-01MSD	05/05/2025	15:19	PL095540.D	9.11	3.59
IBLK	IBLK	05/05/2025	16:56	PL095545.D	9.12	3.59
PEM	PEM	05/05/2025	18:25	PL095546.D	9.12	3.60
PSTDCCC050	PSTDCCC050	05/05/2025	18:39	PL095547.D	9.12	3.59
LOWER-WALL-PILE-A	Q1938-01	05/05/2025	20:16	PL095553.D	9.11	3.59
LOWER-WALL-PILE-C	Q1938-05	05/05/2025	20:43	PL095555.D	9.12	3.59
LOWER-WALL-PILE-D	Q1938-07	05/05/2025	20:57	PL095556.D	9.12	3.59
IBLK	IBLK	05/05/2025	21:11	PL095557.D	9.11	3.59
PSTDCCC050	PSTDCCC050	05/05/2025	21:25	PL095558.D	9.11	3.59
PEM	PEM	05/06/2025	12:38	PL095561.D	9.13	3.60
IBLK	IBLK	05/06/2025	14:56	PL095566.D	9.12	3.59
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	9.12	3.60
LOWER-WALL-PILE-B	Q1938-03	05/06/2025	16:55	PL095568.D	9.12	3.60
IBLK	IBLK	05/06/2025	18:45	PL095576.D	9.12	3.59
PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	9.12	3.59

Analytical Sequence

Client: Saxton Falls Sand and Gravel Co. Inc.

SDG No.: Q1938

Project: Stan Hope

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025 04/23/2025

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	04/23/2025	10:50	PL095326.D	8.09	2.91
PEM	PEM	04/23/2025	11:04	PL095327.D	8.09	2.91
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	8.09	2.91
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	8.09	2.91
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	8.09	2.91
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	8.09	2.91
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	8.09	2.91
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	8.09	2.91
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	8.09	2.91
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	8.09	2.91
IBLK	IBLK	05/05/2025	08:14	PL095528.D	8.09	2.91
PEM	PEM	05/05/2025	09:21	PL095529.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/05/2025	09:35	PL095530.D	8.09	2.91
PB167854BL	PB167854BL	05/05/2025	12:37	PL095531.D	8.09	2.91
PB167854BS	PB167854BS	05/05/2025	13:25	PL095532.D	8.09	2.91
SMALL-PILE-AMS	Q1936-01MS	05/05/2025	15:06	PL095539.D	8.08	2.91
SMALL-PILE-AMSD	Q1936-01MSD	05/05/2025	15:19	PL095540.D	8.08	2.91
IBLK	IBLK	05/05/2025	16:56	PL095545.D	8.09	2.91
PEM	PEM	05/05/2025	18:25	PL095546.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/05/2025	18:39	PL095547.D	8.09	2.91
LOWER-WALL-PILE-A	Q1938-01	05/05/2025	20:16	PL095553.D	8.08	2.91
LOWER-WALL-PILE-C	Q1938-05	05/05/2025	20:43	PL095555.D	8.09	2.91
LOWER-WALL-PILE-D	Q1938-07	05/05/2025	20:57	PL095556.D	8.09	2.91
IBLK	IBLK	05/05/2025	21:11	PL095557.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/05/2025	21:25	PL095558.D	8.09	2.91
PEM	PEM	05/06/2025	12:38	PL095561.D	8.09	2.91
IBLK	IBLK	05/06/2025	14:56	PL095566.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	8.09	2.91
LOWER-WALL-PILE-B	Q1938-03	05/06/2025	16:55	PL095568.D	8.09	2.91
IBLK	IBLK	05/06/2025	18:45	PL095576.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	8.09	2.91

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LOWER-WALL-PILE-A

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938

SDG NO.: Q1938

Lab Sample ID: Q1938-01

Date(s) Analyzed: 05/05/2025 05/05/2025

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		
gamma-Chlordane	1	5.99	5.94	6.04	0.50	59.9
	2	5.15	5.10	5.20	0.27	
alpha-Chlordane	1	6.08	6.03	6.13	1.40	92.4
	2	5.21	5.16	5.26	0.52	
Endrin	1	6.62	6.57	6.67	0.28	29.4
	2	5.81	5.76	5.86	0.21	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LOWER-WALL-PILE-B

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: Q1938-03

Date(s) Analyzed: 05/06/2025 05/06/2025

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		
Methoxychlor	1	7.53	7.48	7.58	1.10	96.9
	2	6.78	6.73	6.83	0.38	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167854BS

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: PB167854BS

Date(s) Analyzed: 05/05/2025 05/05/2025

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	6.75	6.70	6.80	17.9	13.1
	2	5.95	5.90	6.00	20.4	
4,4'-DDE	1	6.24	6.19	6.29	16.5	9.8
	2	5.40	5.35	5.45	18.2	
4,4'-DDT	1	7.07	7.02	7.12	16.1	7.2
	2	6.20	6.15	6.25	17.3	
alpha-BHC	1	4.05	4.00	4.10	15.1	29.9
	2	3.42	3.37	3.47	20.4	
Aldrin	1	5.32	5.27	5.37	16.2	22
	2	4.39	4.34	4.44	20.2	
alpha-Chlordane	1	6.07	6.02	6.12	16.8	13.3
	2	5.21	5.16	5.26	19.2	
Endosulfan II	1	6.83	6.78	6.88	17.6	9.2
	2	6.10	6.05	6.15	19.3	
Endosulfan sulfate	1	7.20	7.15	7.25	17.0	12.7
	2	6.50	6.45	6.55	19.3	
beta-BHC	1	4.56	4.51	4.61	15.1	19.2
	2	4.05	4.00	4.10	18.3	
delta-BHC	1	4.81	4.76	4.86	15.3	26.6
	2	4.28	4.23	4.33	20.0	
Endosulfan I	1	6.12	6.07	6.17	16.6	16.6
	2	5.27	5.22	5.32	19.6	
Dieldrin	1	6.39	6.34	6.44	16.8	15.4
	2	5.53	5.48	5.58	19.6	
Endrin aldehyde	1	6.96	6.91	7.01	17.5	12.8
	2	6.28	6.23	6.33	19.9	
Methoxychlor	1	7.54	7.49	7.59	14.9	14.3
	2	6.77	6.72	6.82	17.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167854BS

Contract: SAXT01

Lab Code: CHEM

Case No.: Q1938

SAS No.: Q1938

SDG NO.: Q1938

Lab Sample ID: PB167854BS

Date(s) Analyzed: 05/05/2025

05/05/2025

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	7.68	7.63	7.73	17.5	20.1
	2	7.00	6.95	7.05	21.4	
gamma-BHC (Lindane)	1	4.38	4.33	4.43	15.1	25.4
	2	3.75	3.70	3.80	19.5	
Heptachlor	1	4.97	4.92	5.02	15.1	22.4
	2	4.11	4.06	4.16	18.9	
Heptachlor epoxide	1	5.74	5.69	5.79	16.9	14.3
	2	4.89	4.84	4.94	19.5	
gamma-Chlordane	1	5.99	5.94	6.04	17.0	13.2
	2	5.15	5.10	5.20	19.4	
Endrin	1	6.62	6.57	6.67	16.0	6.1
	2	5.81	5.76	5.86	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SMALL-PILE-AMS

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: Q1936-01MS

Date(s) Analyzed: 05/05/2025 05/05/2025

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	6.75	6.70	6.80	20.5	19.8
	2	5.95	5.90	6.00	25.0	
4,4'-DDT	1	7.06	7.01	7.11	18.1	22.1
	2	6.20	6.15	6.25	22.6	
alpha-BHC	1	4.04	3.99	4.09	18.0	35.2
	2	3.42	3.37	3.47	25.7	
Aldrin	1	5.31	5.26	5.36	19.2	25.5
	2	4.39	4.34	4.44	24.8	
beta-BHC	1	4.56	4.51	4.61	17.7	24.8
	2	4.05	4.00	4.10	22.7	
alpha-Chlordane	1	6.07	6.02	6.12	19.3	20
	2	5.21	5.16	5.26	23.6	
4,4'-DDE	1	6.24	6.19	6.29	19.2	19.7
	2	5.40	5.35	5.45	23.4	
Endosulfan II	1	6.83	6.78	6.88	19.9	19.1
	2	6.10	6.05	6.15	24.1	
Endrin aldehyde	1	6.96	6.91	7.01	19.3	19.2
	2	6.27	6.22	6.32	23.4	
Endosulfan sulfate	1	7.19	7.14	7.24	19.2	16.7
	2	6.50	6.45	6.55	22.7	
Methoxychlor	1	7.53	7.48	7.58	16.8	22.2
	2	6.77	6.72	6.82	21.0	
Endrin ketone	1	7.67	7.62	7.72	19.3	26.9
	2	7.00	6.95	7.05	25.3	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	18.1	29.6
	2	3.75	3.70	3.80	24.4	
Heptachlor	1	4.97	4.92	5.02	17.8	26.3
	2	4.11	4.06	4.16	23.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SMALL-PILE-AMS

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: Q1936-01MS

Date(s) Analyzed: 05/05/2025 05/05/2025

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		
delta-BHC	1	4.81	4.76	4.86	18.0	31.8
	2	4.28	4.23	4.33	24.8	
Heptachlor epoxide	1	5.73	5.68	5.78	19.4	21.6
	2	4.89	4.84	4.94	24.1	
Endosulfan I	1	6.12	6.07	6.17	19.5	21.9
	2	5.27	5.22	5.32	24.3	
gamma-Chlordane	1	5.99	5.94	6.04	19.3	20.9
	2	5.14	5.09	5.19	23.8	
Dieldrin	1	6.39	6.34	6.44	19.2	22.2
	2	5.53	5.48	5.58	24.0	
Endrin	1	6.62	6.57	6.67	19.2	20.6
	2	5.81	5.76	5.86	23.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SMALL-PILE-AMSD

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: Q1936-01MSD

Date(s) Analyzed: 05/05/2025 05/05/2025

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	6.83	6.78	6.88	18.9	16.1
	2	6.10	6.05	6.15	22.2	
4,4'-DDD	1	6.75	6.70	6.80	20.4	12.4
	2	5.95	5.90	6.00	23.1	
4,4'-DDT	1	7.06	7.01	7.11	17.6	10.2
	2	6.20	6.15	6.25	19.5	
Endrin aldehyde	1	6.96	6.91	7.01	19.2	13.6
	2	6.27	6.22	6.32	22.0	
Endosulfan sulfate	1	7.19	7.14	7.24	19.1	13.2
	2	6.50	6.45	6.55	21.8	
alpha-BHC	1	4.04	3.99	4.09	17.4	32.7
	2	3.42	3.37	3.47	24.2	
Aldrin	1	5.31	5.26	5.36	18.6	22.4
	2	4.39	4.34	4.44	23.3	
beta-BHC	1	4.56	4.51	4.61	16.9	22.1
	2	4.05	4.00	4.10	21.1	
delta-BHC	1	4.81	4.76	4.86	17.5	28.4
	2	4.28	4.23	4.33	23.3	
Endosulfan I	1	6.12	6.07	6.17	19.1	16.8
	2	5.27	5.22	5.32	22.6	
alpha-Chlordane	1	6.07	6.02	6.12	18.7	17.1
	2	5.21	5.16	5.26	22.2	
4,4'-DDE	1	6.24	6.19	6.29	18.1	11
	2	5.40	5.35	5.45	20.2	
Dieldrin	1	6.39	6.34	6.44	18.5	18.2
	2	5.53	5.48	5.58	22.2	
Endrin	1	6.62	6.57	6.67	18.1	8.5
	2	5.81	5.76	5.86	19.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SMALL-PILE-AMSD

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab Sample ID: Q1936-01MSD

Date(s) Analyzed: 05/05/2025 05/05/2025

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		
Methoxychlor	1	7.53	7.48	7.58	17.0	15.7
	2	6.77	6.72	6.82	19.9	
Endrin ketone	1	7.67	7.62	7.72	19.1	23.1
	2	7.00	6.95	7.05	24.1	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.5	26.7
	2	3.75	3.70	3.80	22.9	
Heptachlor	1	4.97	4.92	5.02	16.9	25.8
	2	4.11	4.06	4.16	21.9	
Heptachlor epoxide	1	5.73	5.68	5.78	18.7	18
	2	4.89	4.84	4.94	22.4	
gamma-Chlordane	1	5.99	5.94	6.04	18.9	17.8
	2	5.15	5.10	5.20	22.6	



QC SAMPLE DATA

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167854BL	SDG No.:	Q1938
Lab Sample ID:	PB167854BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095531.D	1	05/05/25 08:35	05/05/25 12:37	PB167854

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
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.0		30 (20) - 150 (144)	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		30 (19) - 150 (148)	123%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:		
Project:	Stan Hope		Date Received:		
Client Sample ID:	PB167854BL		SDG No.:	Q1938	
Lab Sample ID:	PB167854BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095531.D	1	05/05/25 08:35	05/05/25 12:37	PB167854

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\PL050625\
 Data File : PL095531.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 12:37
 Operator : AR\AJ
 Sample : PB167854BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167854BL

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.599	2.908	65723738	78229261	20.132m	24.602
28) SA Decachlor...	9.127	8.090	60158022	70924808	21.711	23.967

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095531.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 12:37
Operator : AR\AJ
Sample : PB167854BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167854BL

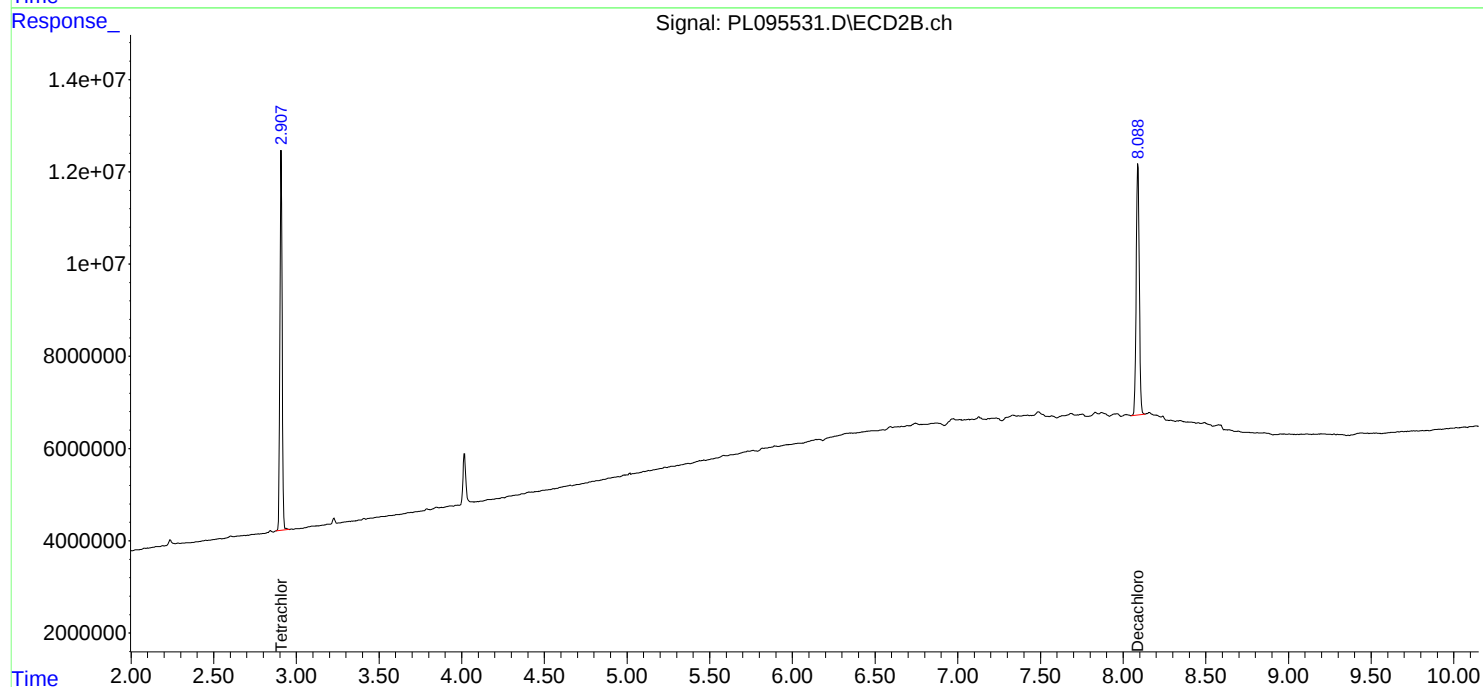
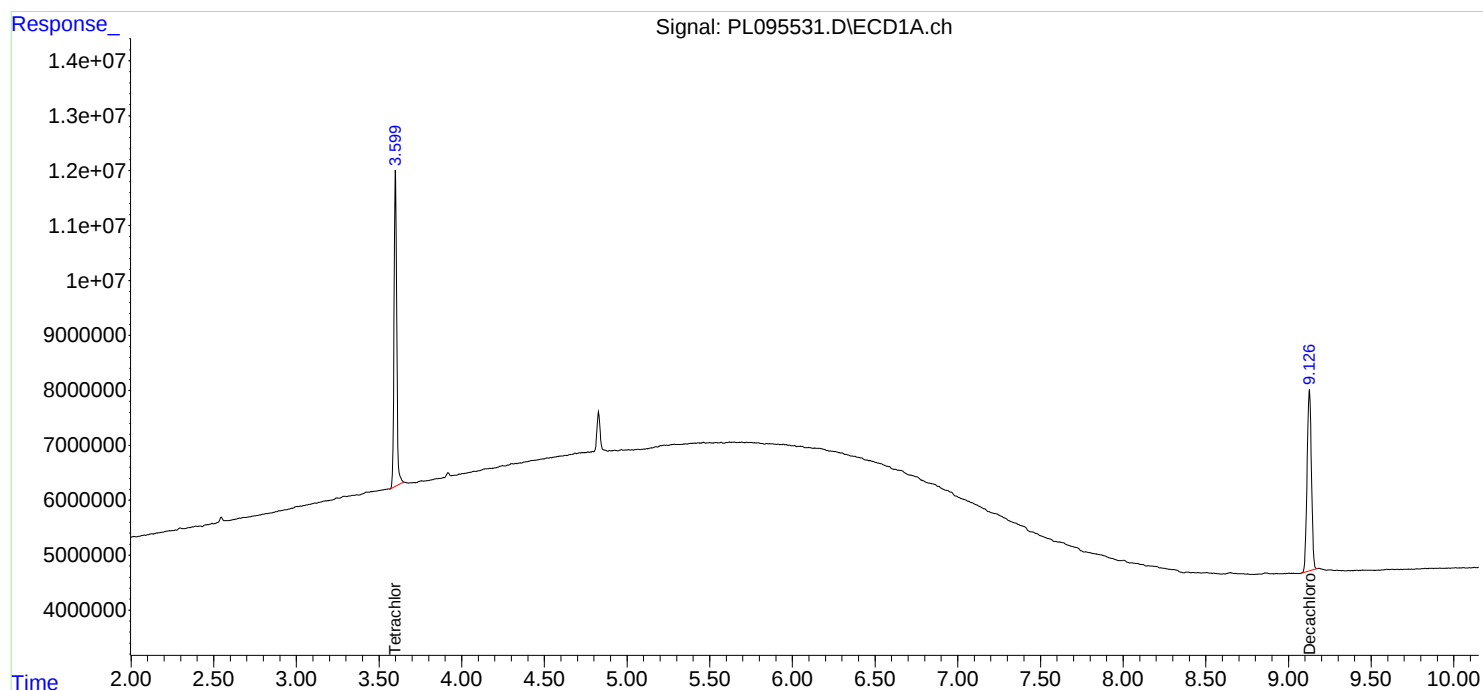
Manual Integrations**APPROVED**

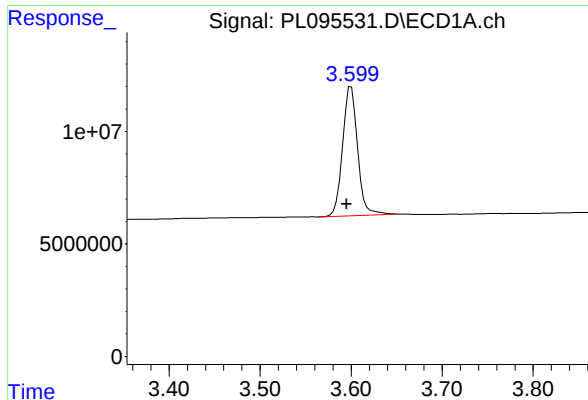
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





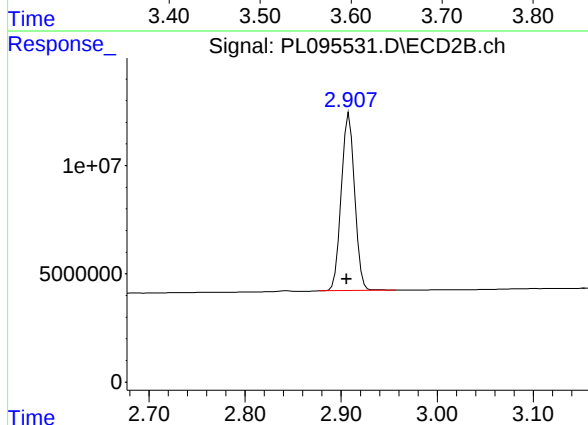
#1 Tetrachloro-m-xylene

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 65723738
Conc: 20.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BL

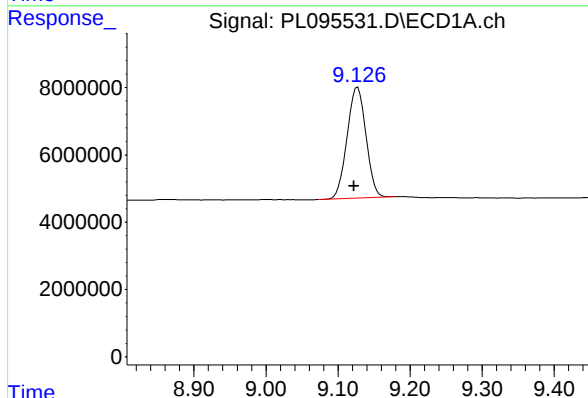
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



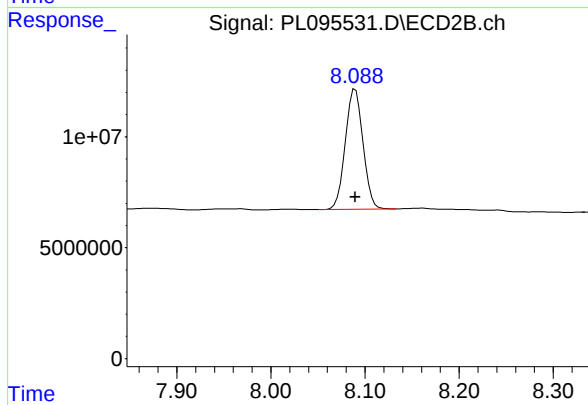
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.003 min
Response: 78229261
Conc: 24.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.127 min
Delta R.T.: 0.005 min
Response: 60158022
Conc: 21.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 70924808
Conc: 23.97 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	04/23/25	
Project:	Stan Hope		Date Received:	04/23/25	
Client Sample ID:	PIBLK-PL095326.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095326.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		30 (43) - 150 (140)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		30 (77) - 150 (126)	87%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	04/23/25	
Project:	Stan Hope		Date Received:	04/23/25	
Client Sample ID:	PIBLK-PL095326.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095326.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

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\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
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: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	56524147	54455545	17.314	17.126
28) SA Decachlor...	9.121	8.088	52237002	53755420	18.853	18.165

Target Compounds

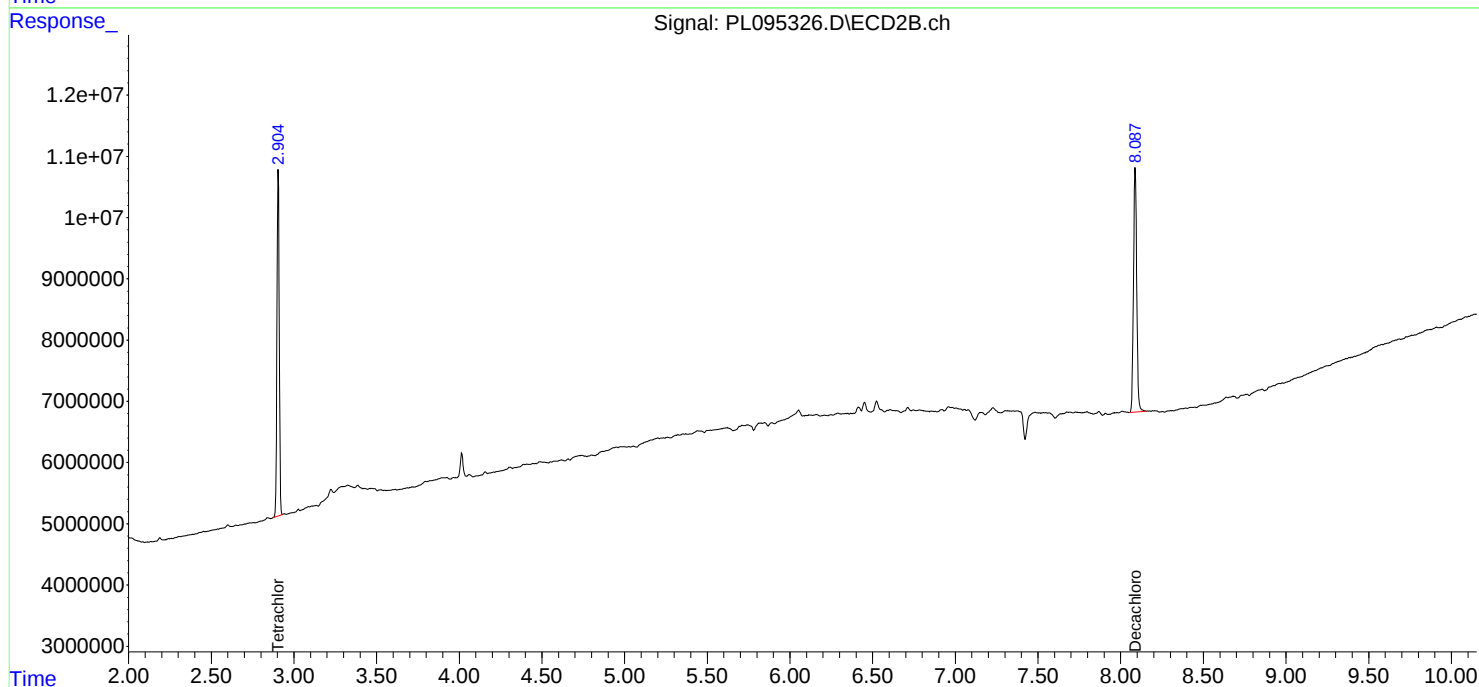
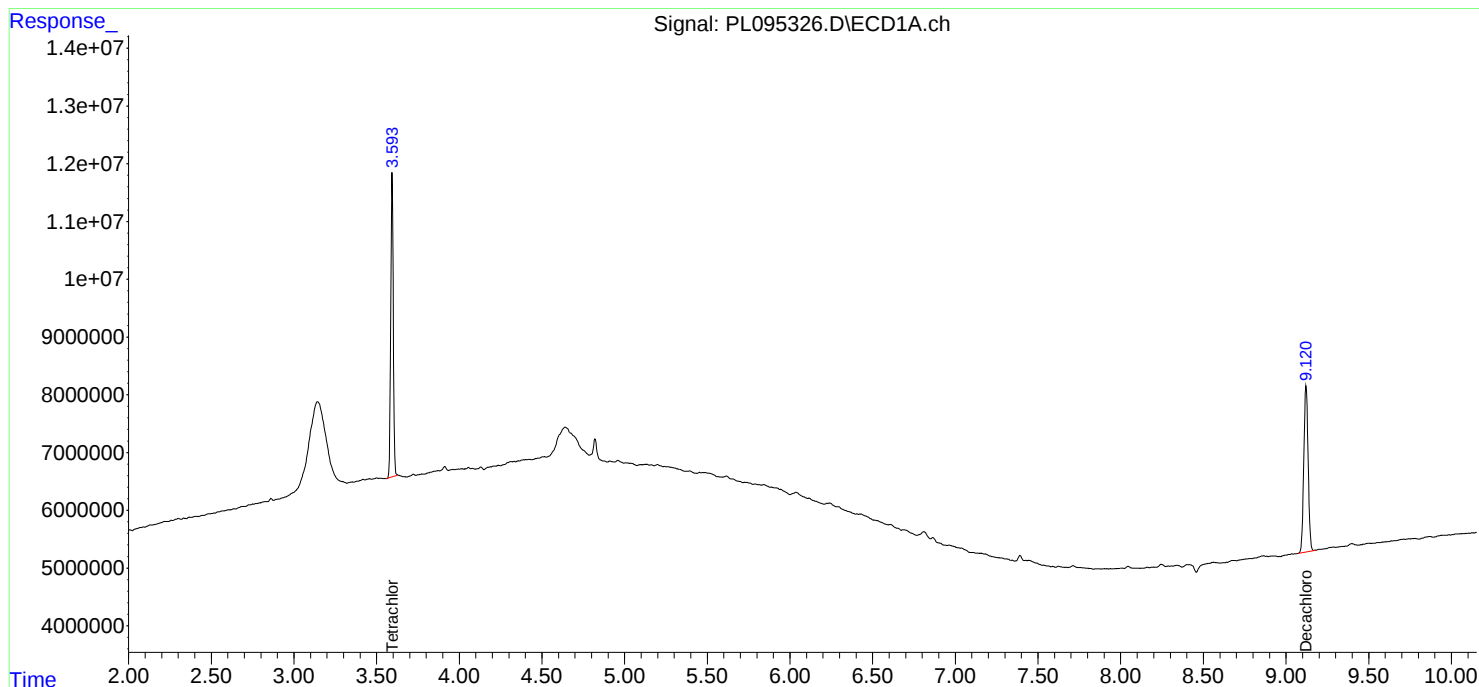
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

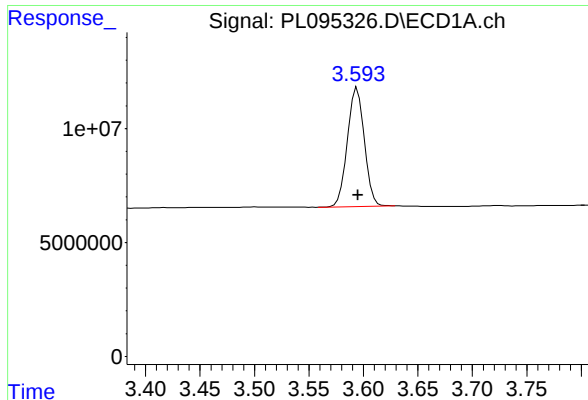
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

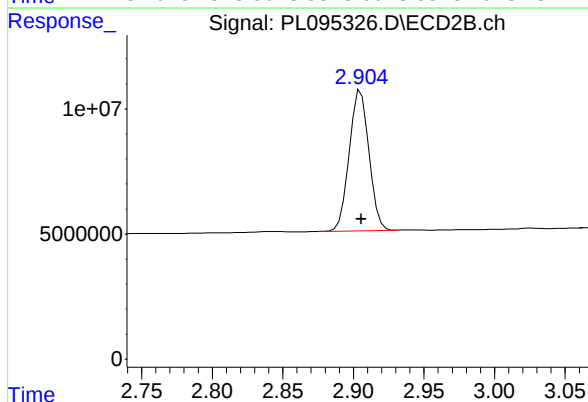




#1 Tetrachloro-m-xylene

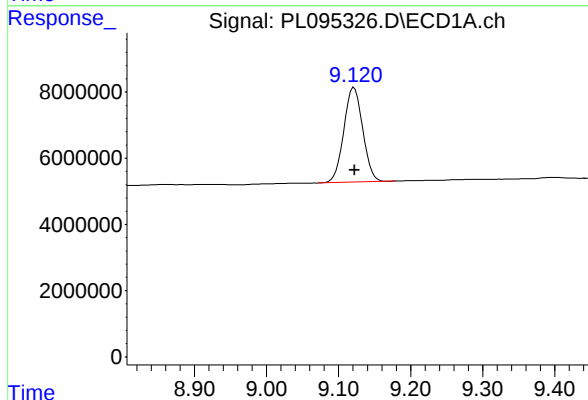
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 56524147
Conc: 17.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



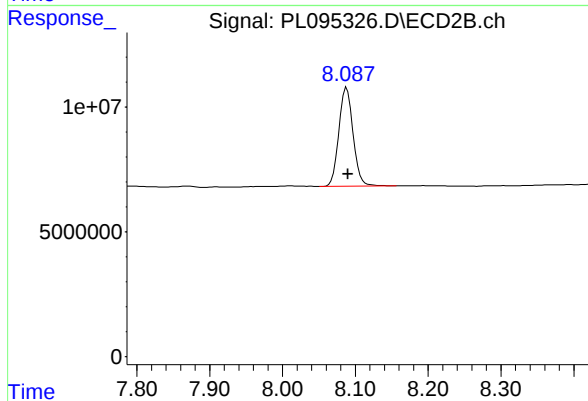
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 54455545
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 52237002
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.001 min
Response: 53755420
Conc: 18.17 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/05/25	
Project:	Stan Hope		Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095528.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095528.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095528.D	1		05/05/25	pl050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.			Date Collected:	05/05/25	
Project:	Stan Hope			Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095528.D			SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095528.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095528.D	1		05/05/25	pl050625

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 OC 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\PL050625\
Data File : PL095528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:14
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 06 01:37:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.912	56860627	68798591	17.417	21.636
28) SA Decachlor...	9.120	8.090	54048671	61070371	19.506	20.637

Target Compounds

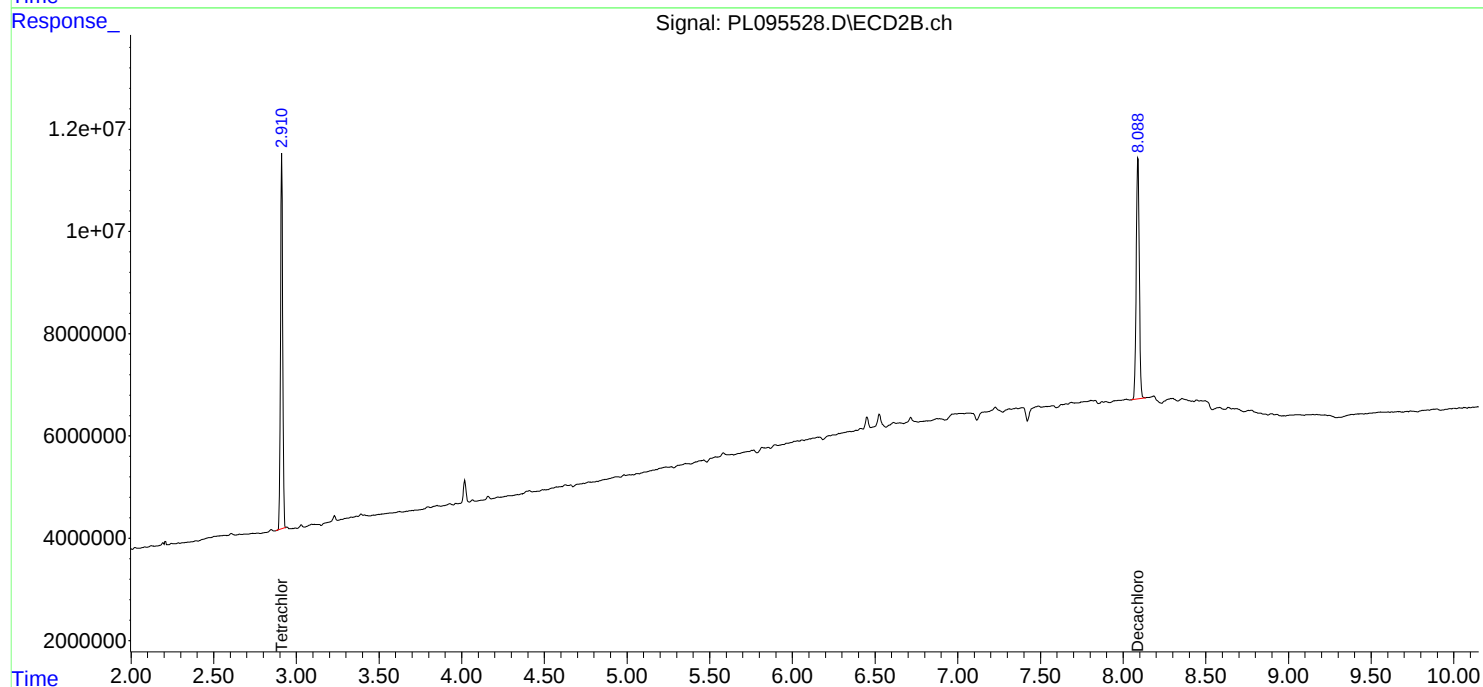
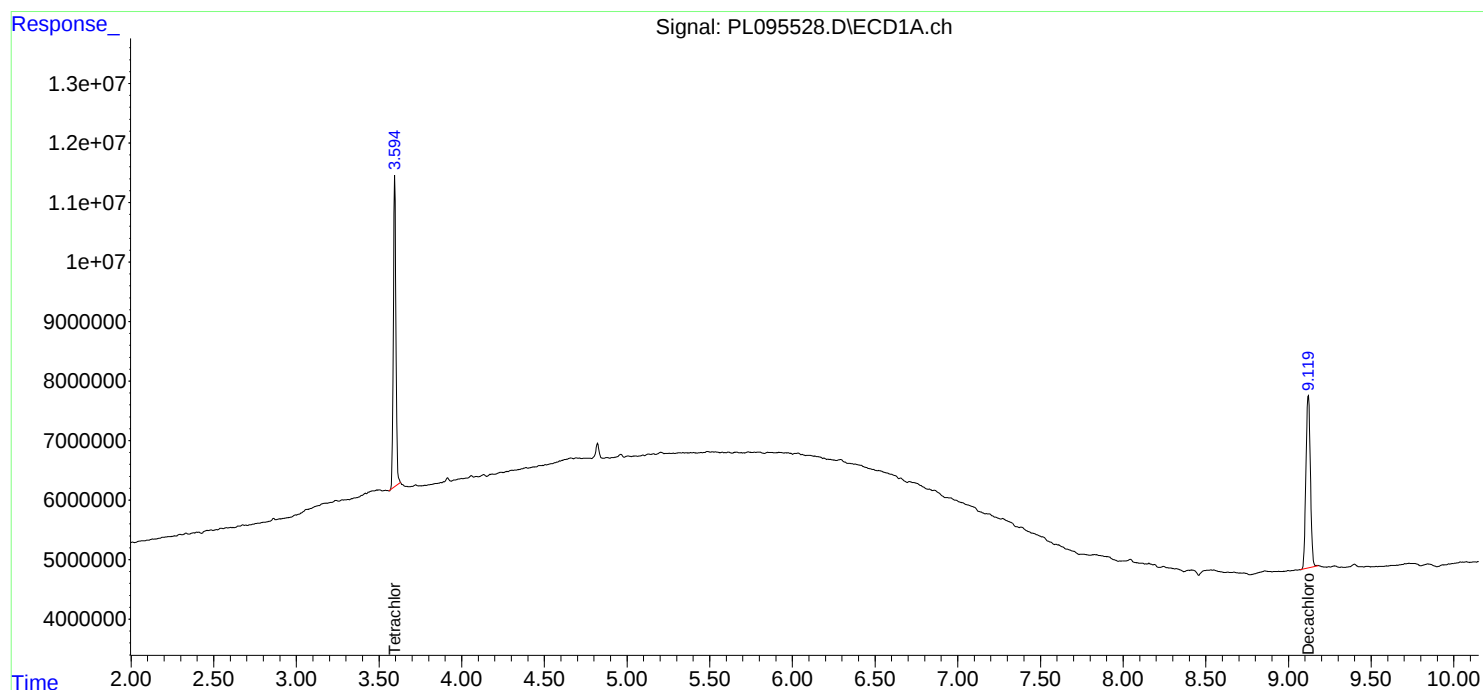
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

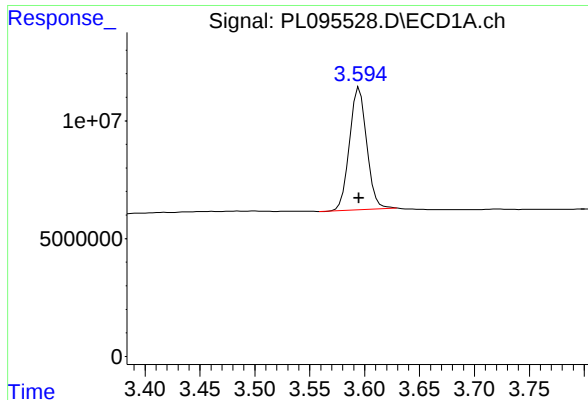
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:37:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

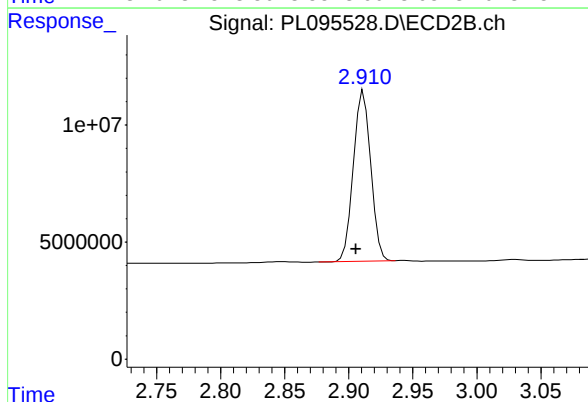




#1 Tetrachloro-m-xylene

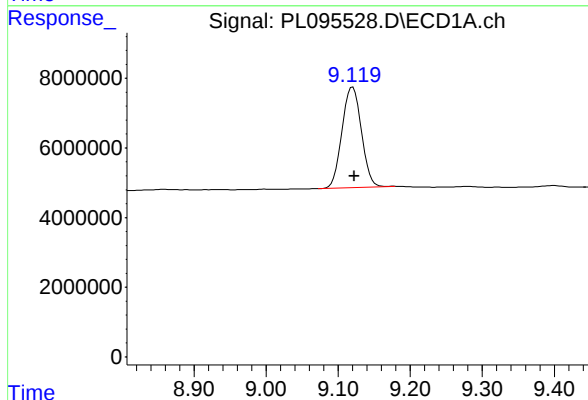
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 56860627
Conc: 17.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



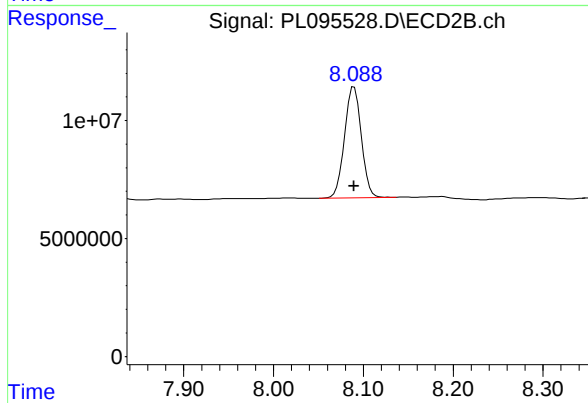
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 68798591
Conc: 21.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: -0.002 min
Response: 54048671
Conc: 19.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 61070371
Conc: 20.64 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.			Date Collected:	05/05/25	
Project:	Stan Hope			Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095545.D			SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095545.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095545.D	1		05/05/25	pl050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		30 (43) - 150 (140)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (77) - 150 (126)	105%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/05/25	
Project:	Stan Hope		Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095545.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095545.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095545.D	1		05/05/25	pl050625

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\PL050625\
 Data File : PL095545.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 16:56
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:42:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.909	54714051	66599824	16.759m	20.945
28) SA Decachlor...	9.115	8.085	48059928	58290232	17.345	19.698

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095545.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 16:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

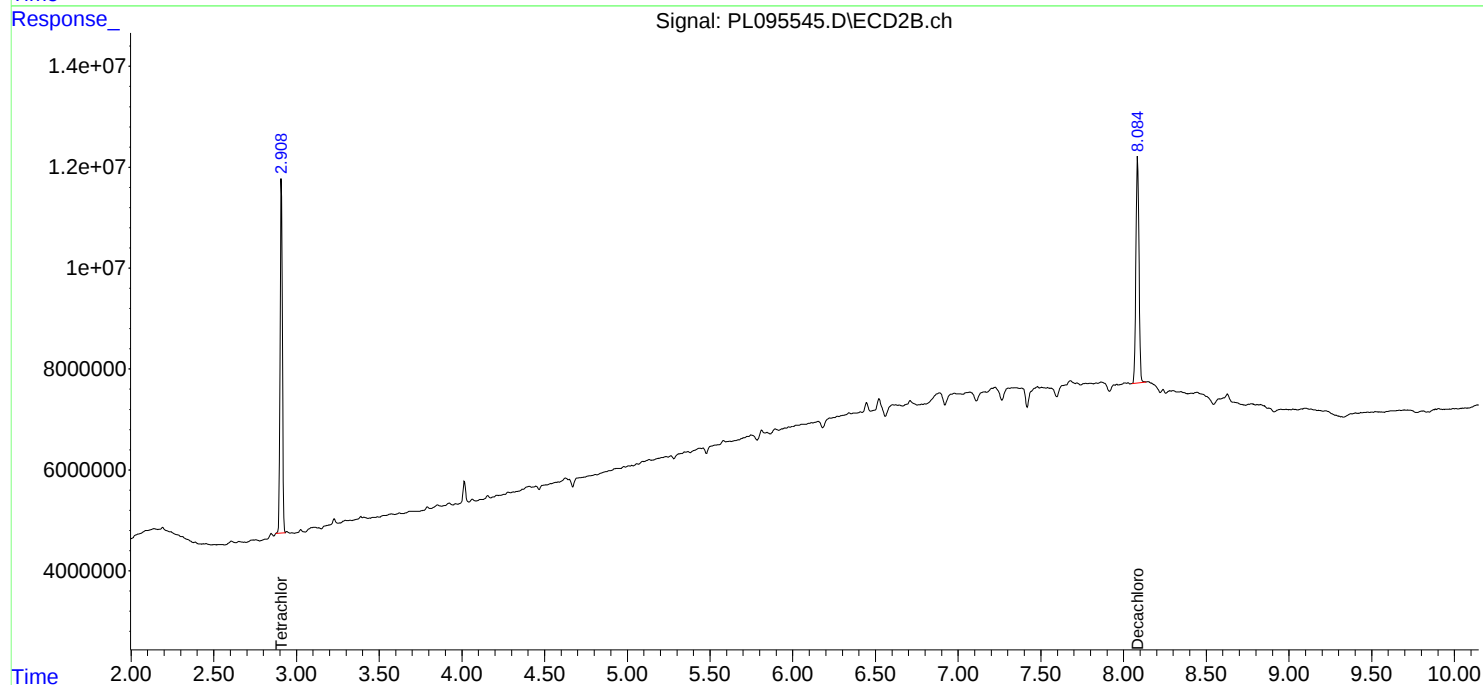
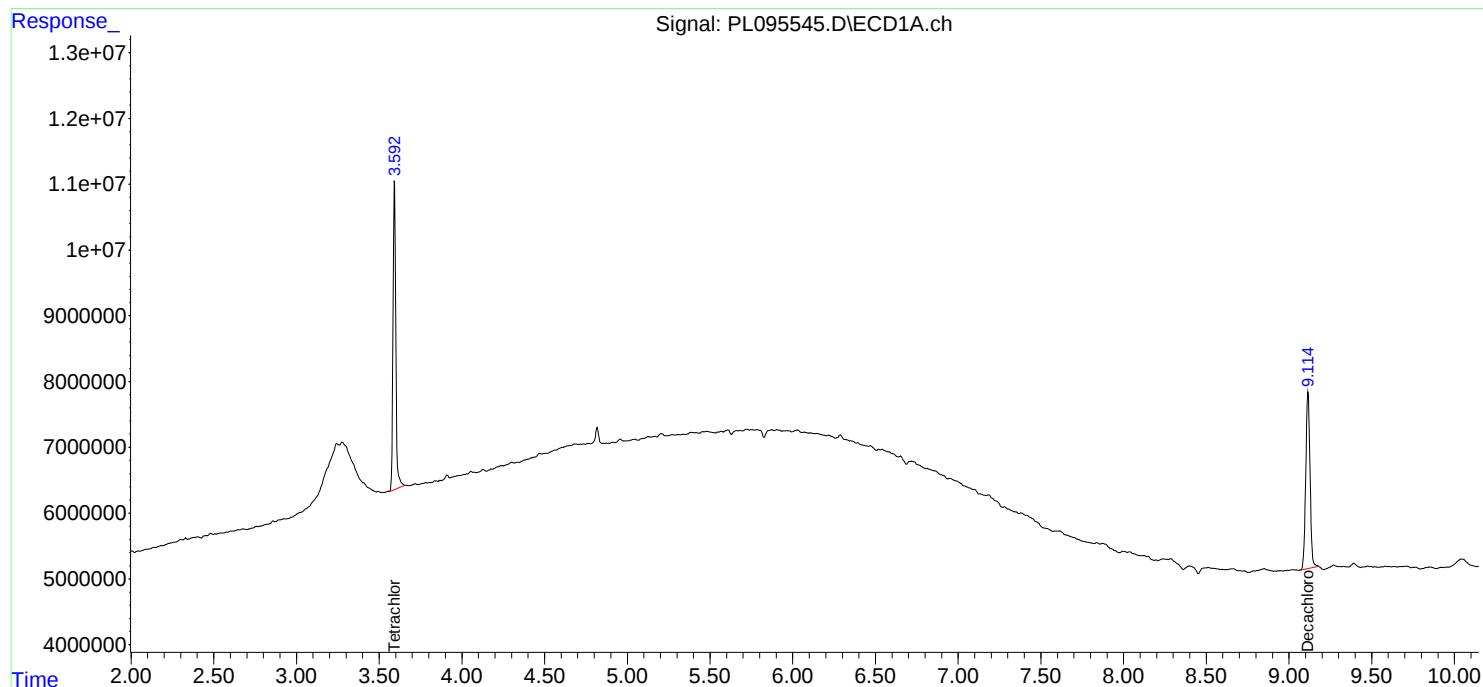
Instrument :
ECD_L
ClientSampleId :
I.BLK

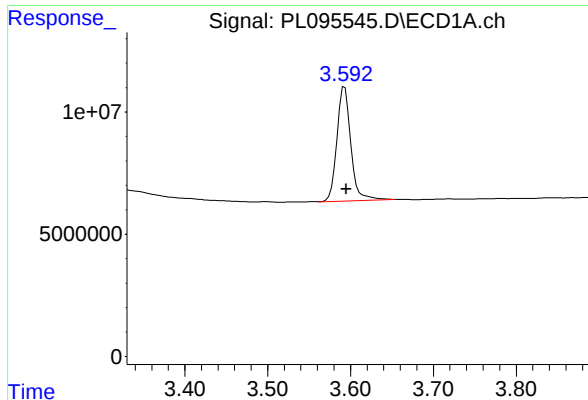
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/06/2025
Supervised By : mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





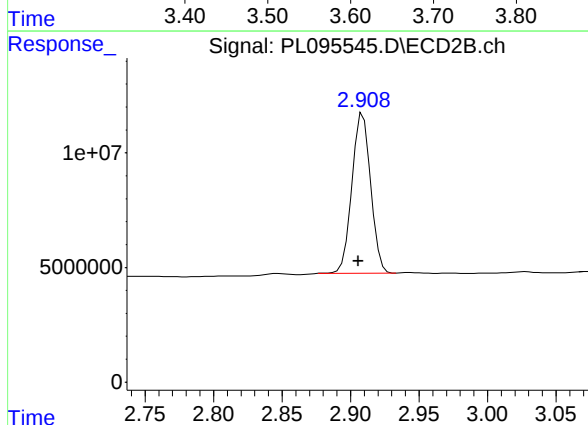
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 54714051
Conc: 16.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

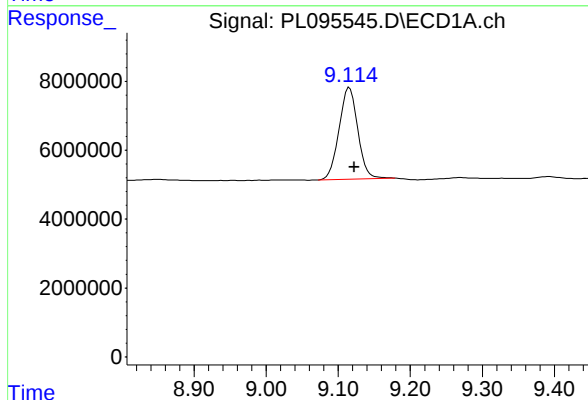
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



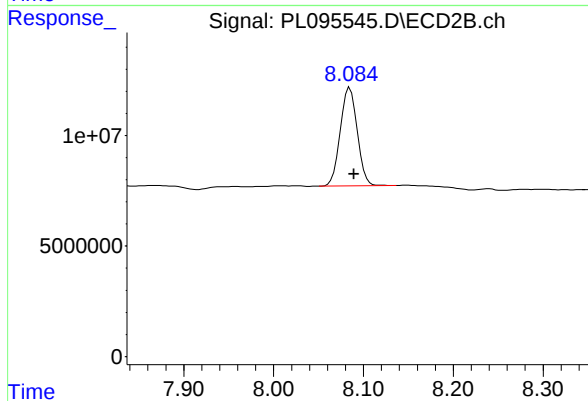
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 66599824
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48059928
Conc: 17.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.005 min
Response: 58290232
Conc: 19.70 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.			Date Collected:	05/05/25	
Project:	Stan Hope			Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095557.D			SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095557.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095557.D	1		05/05/25	pl050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		30 (43) - 150 (140)	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/05/25	
Project:	Stan Hope		Date Received:	05/05/25	
Client Sample ID:	PIBLK-PL095557.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095557.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095557.D	1		05/05/25	pl050625

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\PL050625\
Data File : PL095557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 21:11
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 06 01:45:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.909	54656754	65520057	16.742	20.605
28) SA Decachlor...	9.114	8.085	47360463	51744143	17.093	17.485

Target Compounds

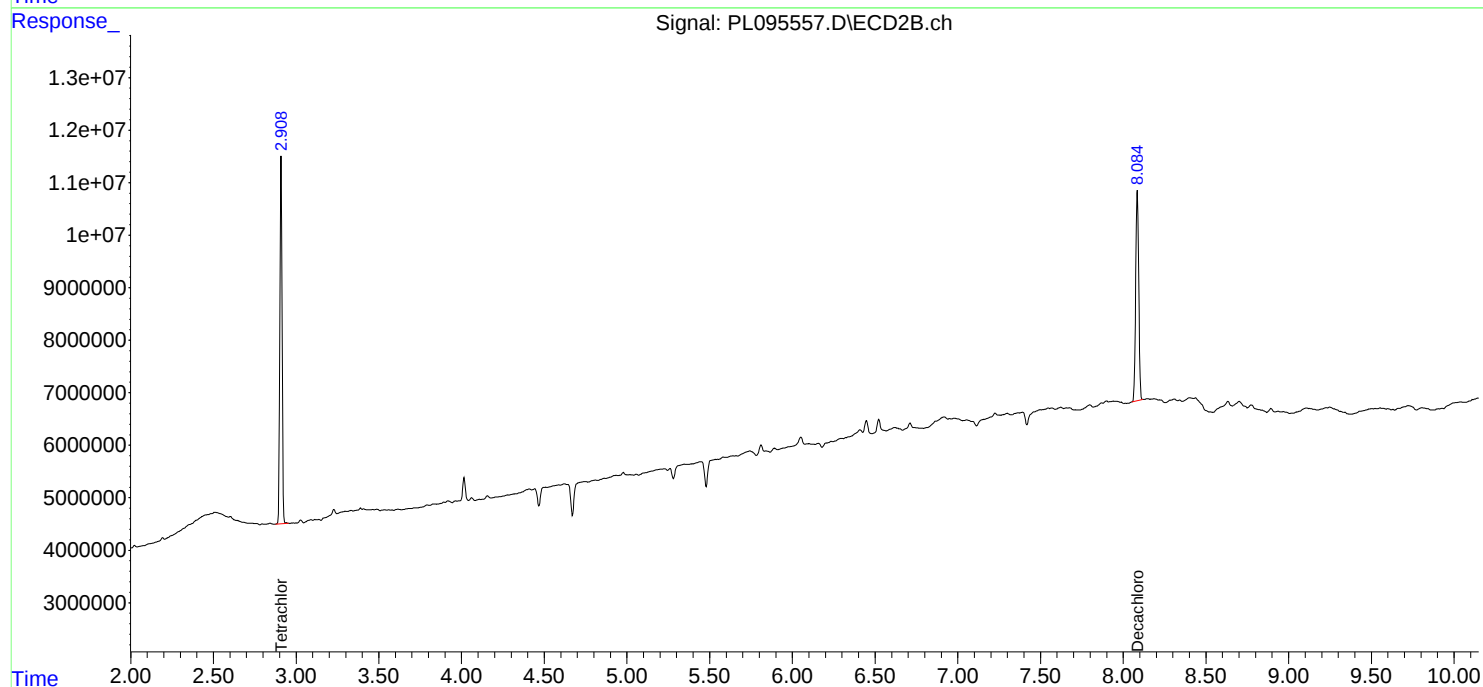
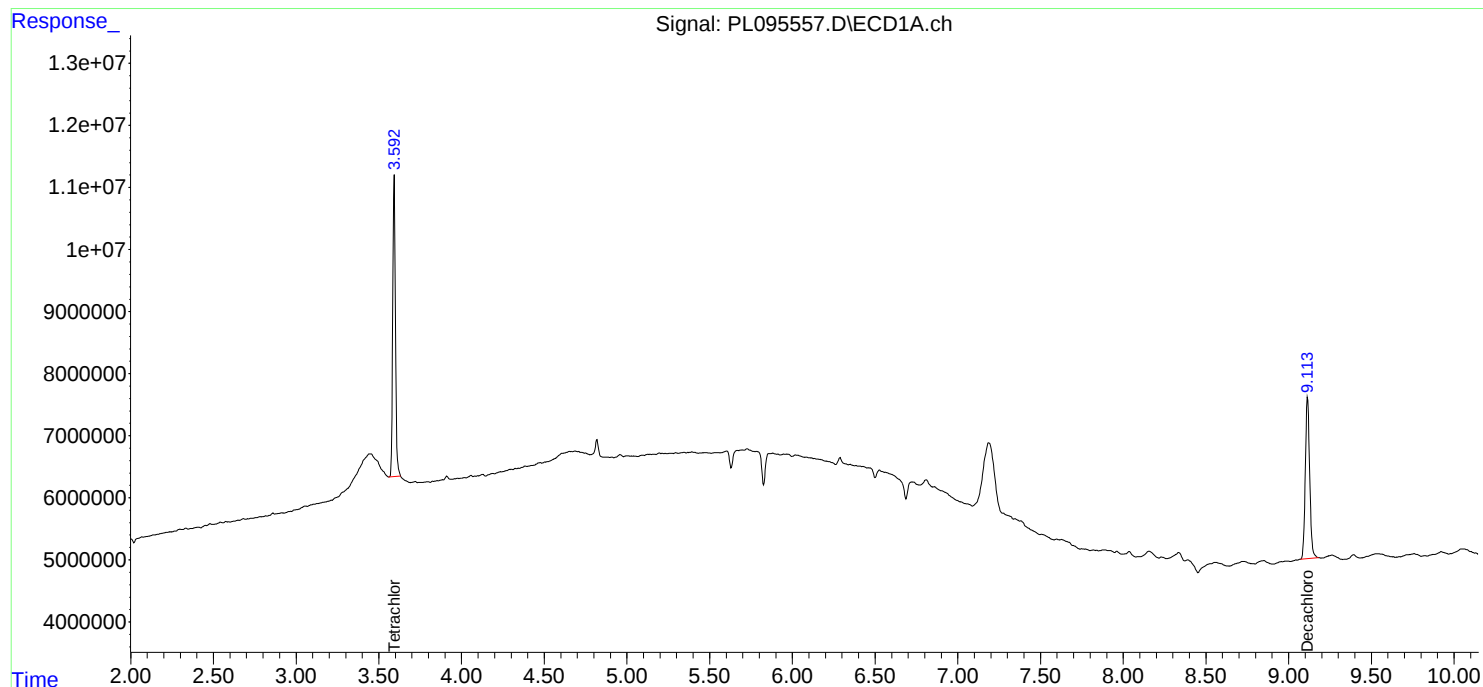
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

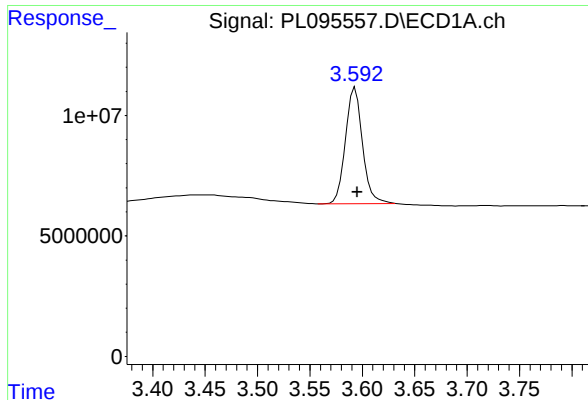
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 21:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:45:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

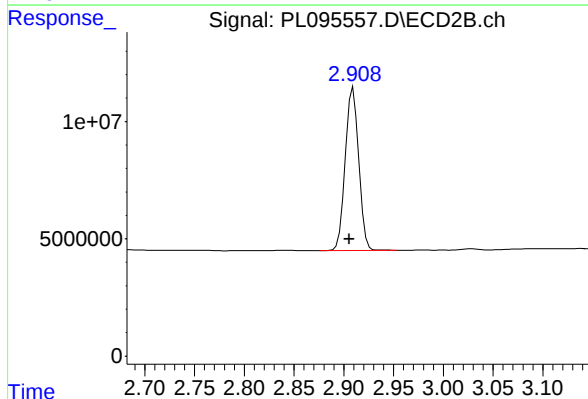




#1 Tetrachloro-m-xylene

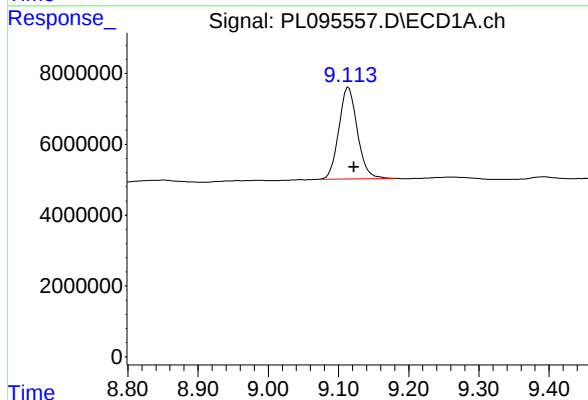
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 54656754
Conc: 16.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



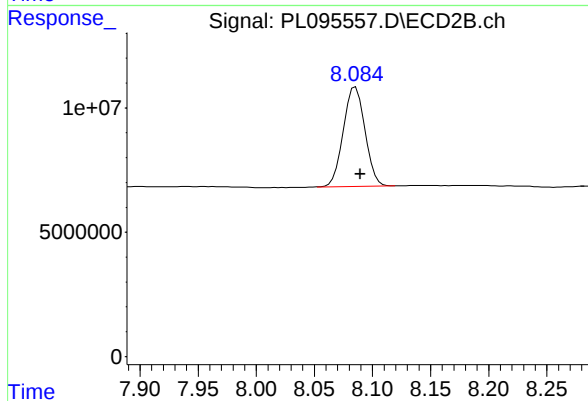
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 65520057
Conc: 20.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 47360463
Conc: 17.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.004 min
Response: 51744143
Conc: 17.49 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/06/25
Project:	Stan Hope	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095566.D	SDG No.:	Q1938
Lab Sample ID:	I.BLK-PL095566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		30 (43) - 150 (140)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		30 (77) - 150 (126)	109%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/06/25	
Project:	Stan Hope		Date Received:	05/06/25	
Client Sample ID:	PIBLK-PL095566.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095566.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

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\PL050725\
 Data File : PL095566.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 14:56
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:41:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.911	59260299	69311374	18.152m	21.798
28) SA Decachlor...	9.117	8.089	49024829	55140069	17.693	18.633

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 14:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

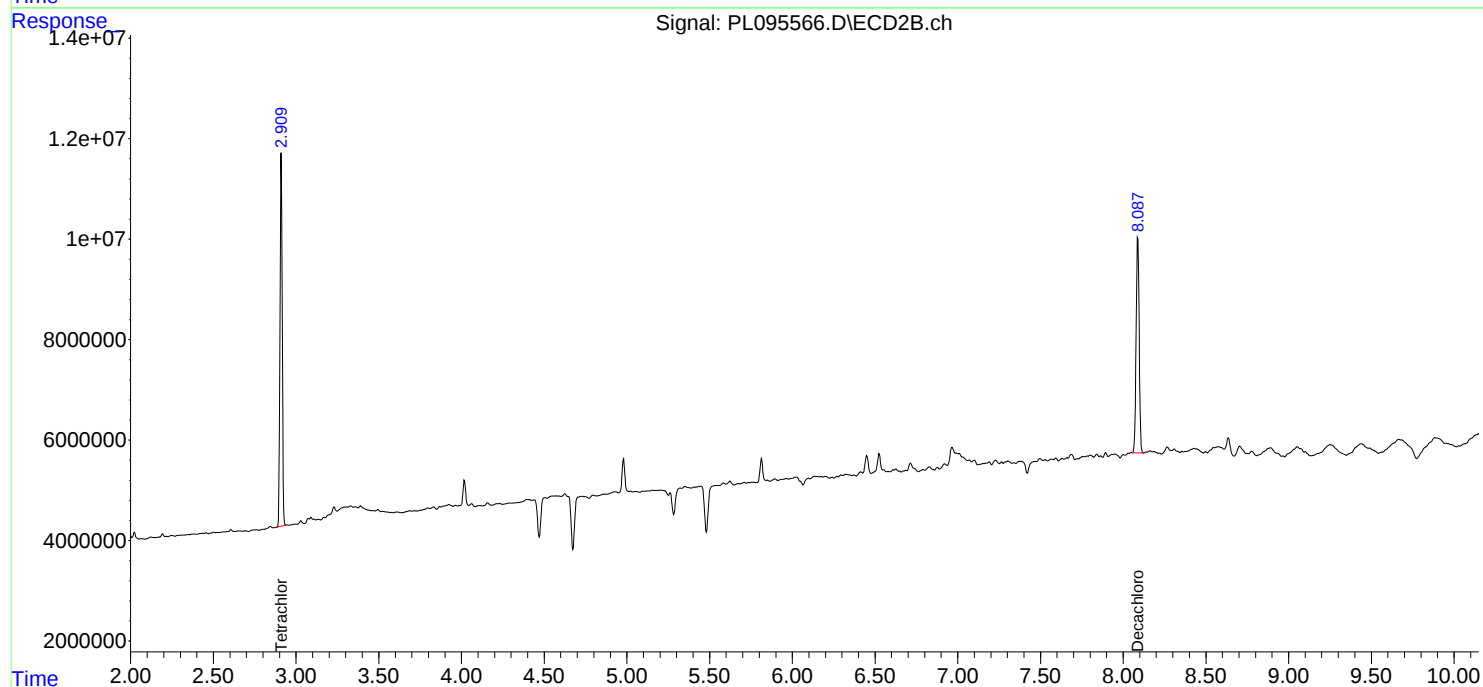
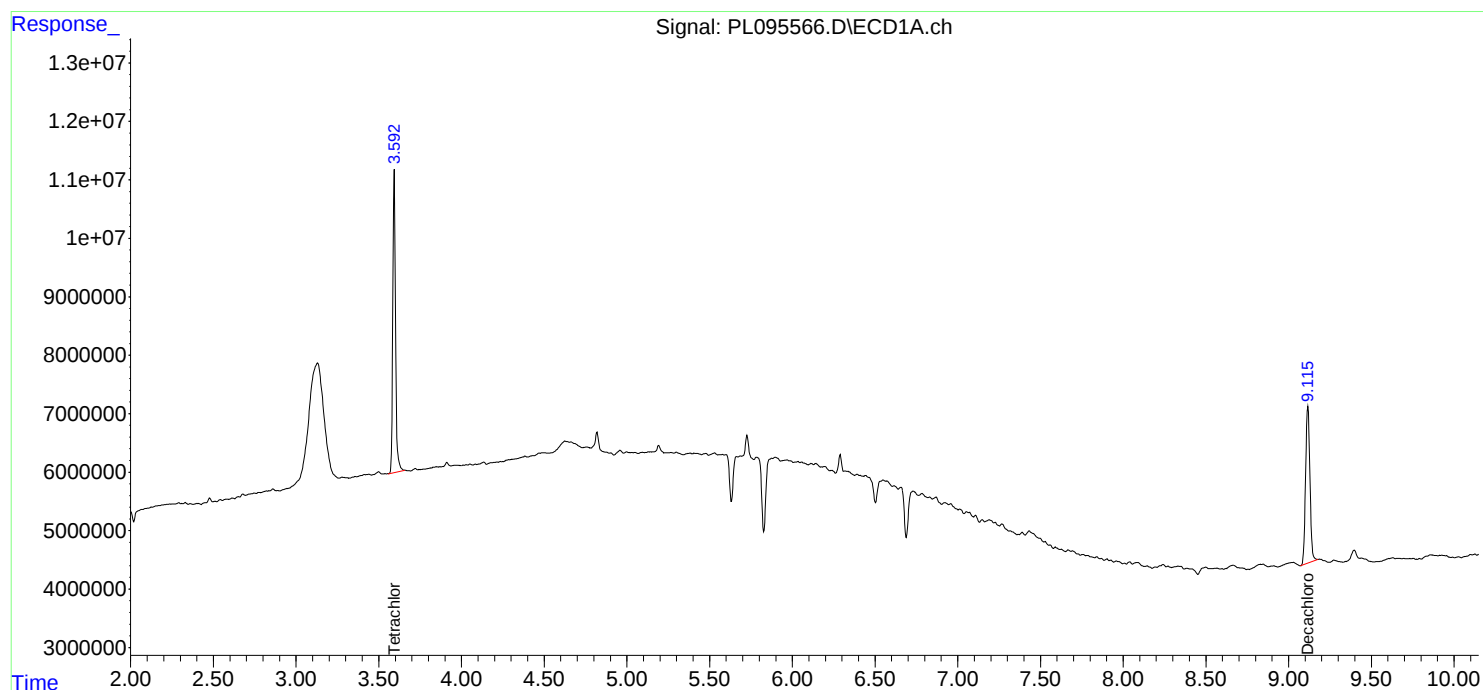
Instrument :
ECD_L
ClientSampleId :
I.BLK

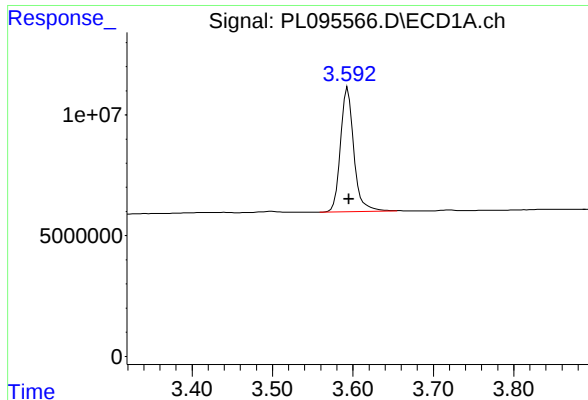
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





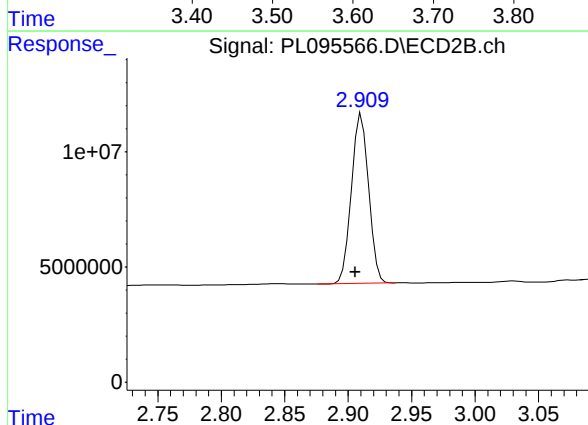
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 59260299
Conc: 18.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

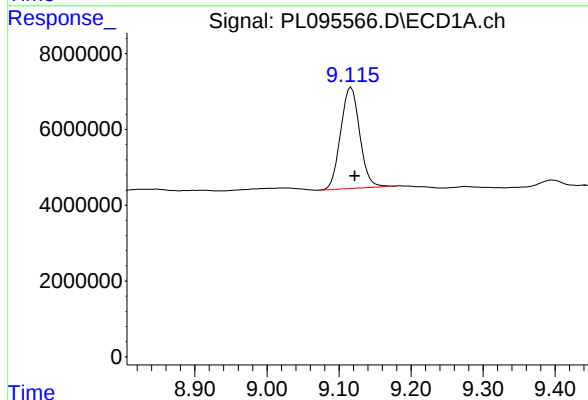
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



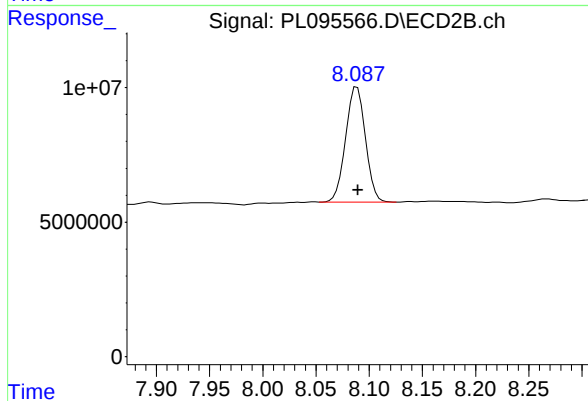
#1 Tetrachloro-m-xylene

R.T.: 2.911 min
Delta R.T.: 0.005 min
Response: 69311374
Conc: 21.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 49024829
Conc: 17.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 55140069
Conc: 18.63 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.			Date Collected:	05/06/25	
Project:	Stan Hope			Date Received:	05/06/25	
Client Sample ID:	PIBLK-PL095576.D			SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095576.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		30 (43) - 150 (140)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		30 (77) - 150 (126)	111%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/06/25	
Project:	Stan Hope		Date Received:	05/06/25	
Client Sample ID:	PIBLK-PL095576.D		SDG No.:	Q1938	
Lab Sample ID:	I.BLK-PL095576.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

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\PL050725\
 Data File : PL095576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 18:45
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:44:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.912	60185297	70663606	18.435m	22.223
28) SA Decachlor...	9.117	8.091	52850798	59390507	19.074	20.069

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

I.BLK

Manual Integrations

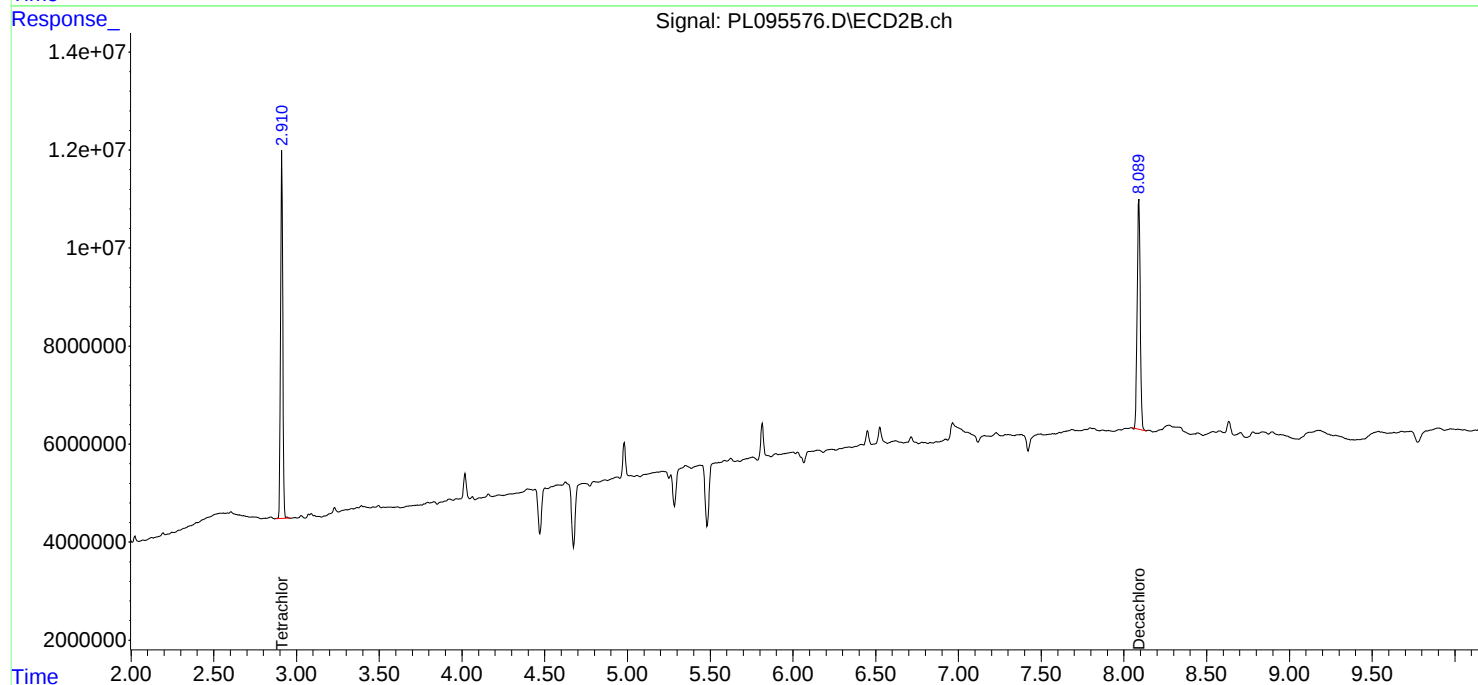
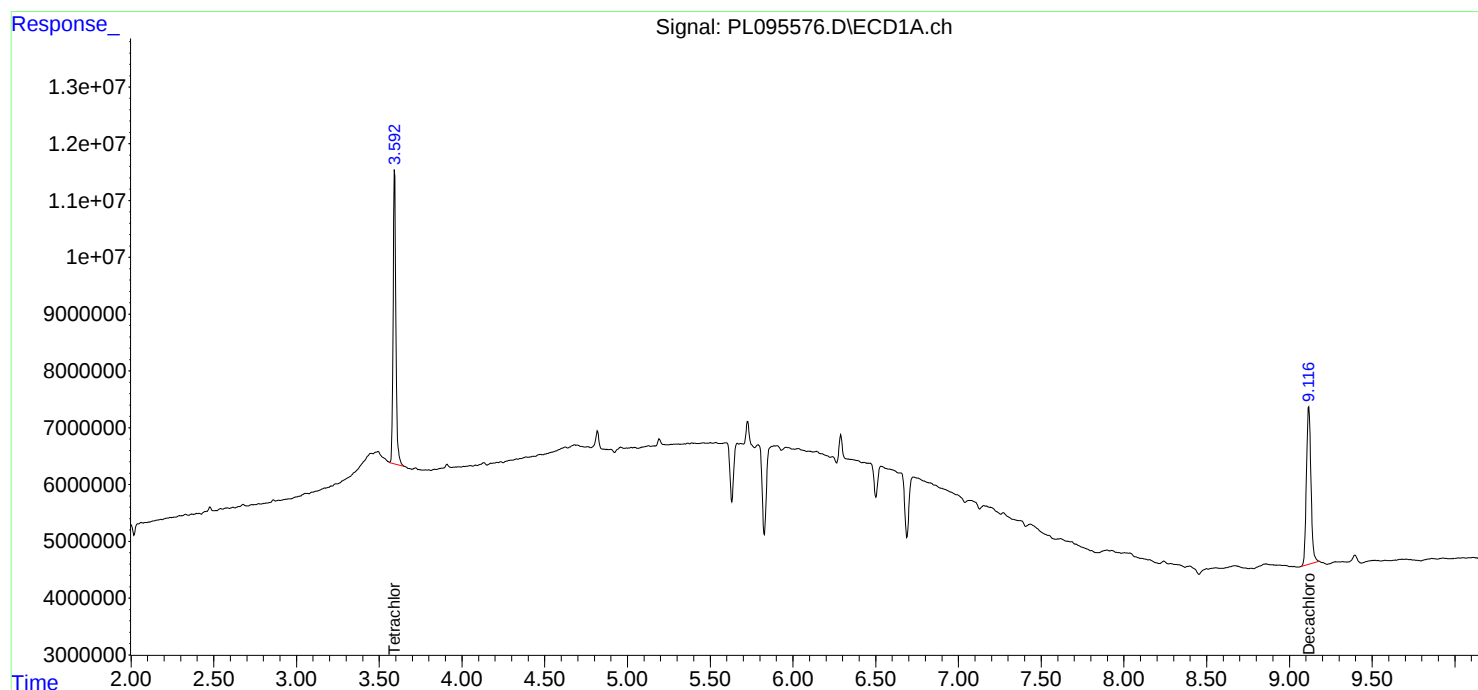
APPROVED

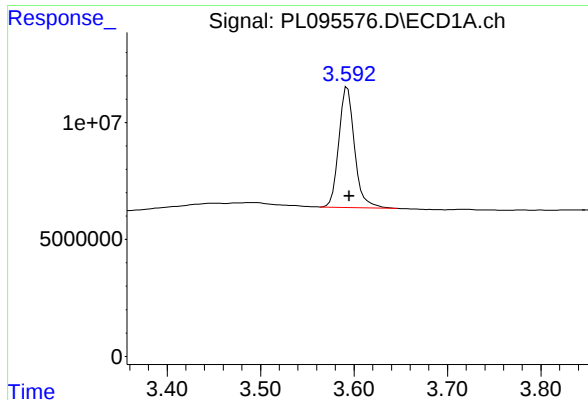
Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





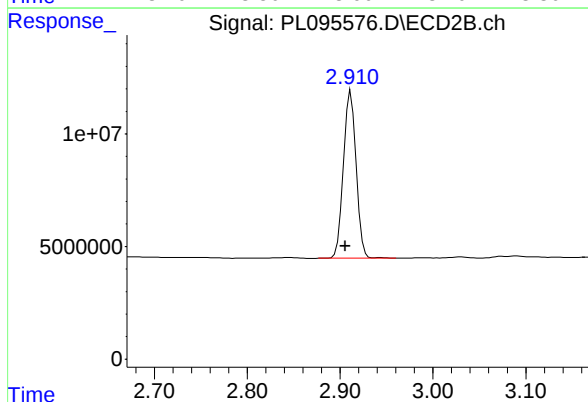
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 60185297
Conc: 18.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

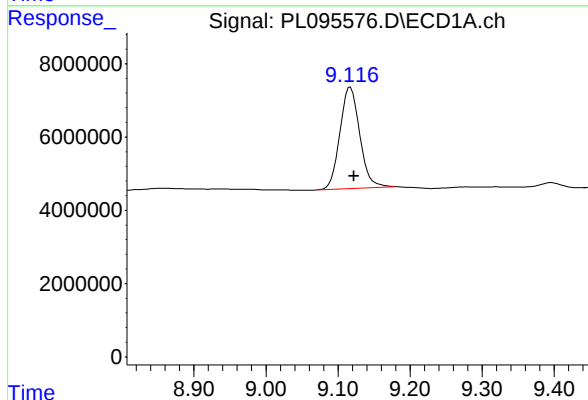
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



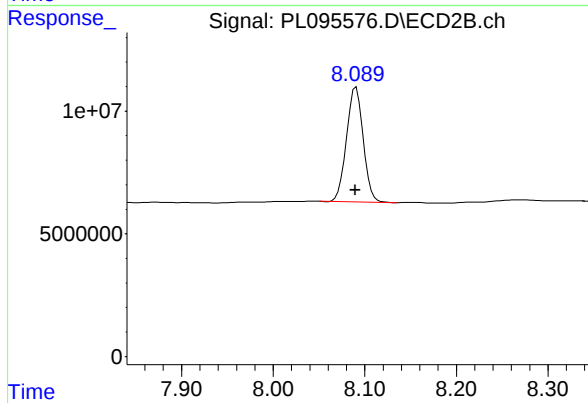
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 70663606
Conc: 22.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 52850798
Conc: 19.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 59390507
Conc: 20.07 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167854BS	SDG No.:	Q1938
Lab Sample ID:	PB167854BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095532.D	1	05/05/25 08:35	05/05/25 13:25	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.4	P	0.13	1.70	ug/kg
319-85-7	beta-BHC	18.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	20.0	P	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.5	P	0.14	1.70	ug/kg
76-44-8	Heptachlor	18.9		0.12	1.70	ug/kg
309-00-2	Aldrin	20.2		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.5		0.19	1.70	ug/kg
959-98-8	Endosulfan I	19.6		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.6		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.2		0.14	1.70	ug/kg
72-20-8	Endrin	17.0		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	19.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.4		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	19.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.3		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	21.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	19.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	19.4		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		30 (20) - 150 (144)	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		30 (19) - 150 (148)	118%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:		
Project:	Stan Hope		Date Received:		
Client Sample ID:	PB167854BS		SDG No.:	Q1938	
Lab Sample ID:	PB167854BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095532.D	1	05/05/25 08:35	05/05/25 13:25	PB167854

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\PL050625\
 Data File : PL095532.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 13:25
 Operator : AR\AJ
 Sample : PB167854BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167854BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.910	59205924	75217001	18.135	23.655 #
28) SA Decachlor...	9.118	8.087	57125092	66896101	20.617	22.606
Target Compounds						
2) A alpha-BHC	4.046	3.419	225.3E6	272.7E6	45.473	61.294 #
3) MA gamma-BHC...	4.377	3.752	214.3E6	258.2E6	45.258	58.698 #
4) MA Heptachlor	4.974	4.106	207.0E6	247.5E6	45.254	56.812 #
5) MB Aldrin	5.316	4.391	223.2E6	250.1E6	48.603	60.770 #
6) B beta-BHC	4.562	4.046	93978270	114.0E6	45.455	54.929
7) B delta-BHC	4.809	4.282	213.4E6	262.6E6	45.888m	59.917 #
8) B Heptachlo...	5.737	4.894	203.6E6	225.8E6	50.828	58.469
9) A Endosulfan I	6.119	5.267	189.5E6	215.5E6	49.904m	58.871
10) B gamma-Chl...	5.991	5.145	208.1E6	235.8E6	51.007	58.187m
11) B alpha-Chl...	6.072	5.211	205.2E6	229.0E6	50.473	57.513
12) B 4,4'-DDE	6.239	5.397	193.7E6	222.2E6	49.398m	54.629
13) MA Dieldrin	6.392	5.532	195.0E6	238.9E6	50.579m	58.743
14) MA Endrin	6.620	5.808	152.6E6	186.0E6	47.904	51.093
15) B Endosulfa...	6.832	6.097	168.3E6	208.2E6	52.725	57.977
16) A 4,4'-DDD	6.750	5.949	152.3E6	199.8E6	53.787	61.151
17) MA 4,4'-DDT	7.065	6.202	137.6E6	179.0E6	48.316	52.100m
18) B Endrin al...	6.961	6.275	121.8E6	156.2E6	52.484	59.783
19) B Endosulfa...	7.195	6.498	143.0E6	192.6E6	51.031	58.045
20) A Methoxychlor	7.536	6.771	62467040	98508784	44.775	51.645m
21) B Endrin ke...	7.675	7.004	150.2E6	226.4E6	52.687	64.305
22) Mirex	8.157	7.198	117.9E6	161.3E6	49.637	55.954m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095532.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:25
Operator : AR\AJ
Sample : PB167854BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167854BS

Manual Integrations

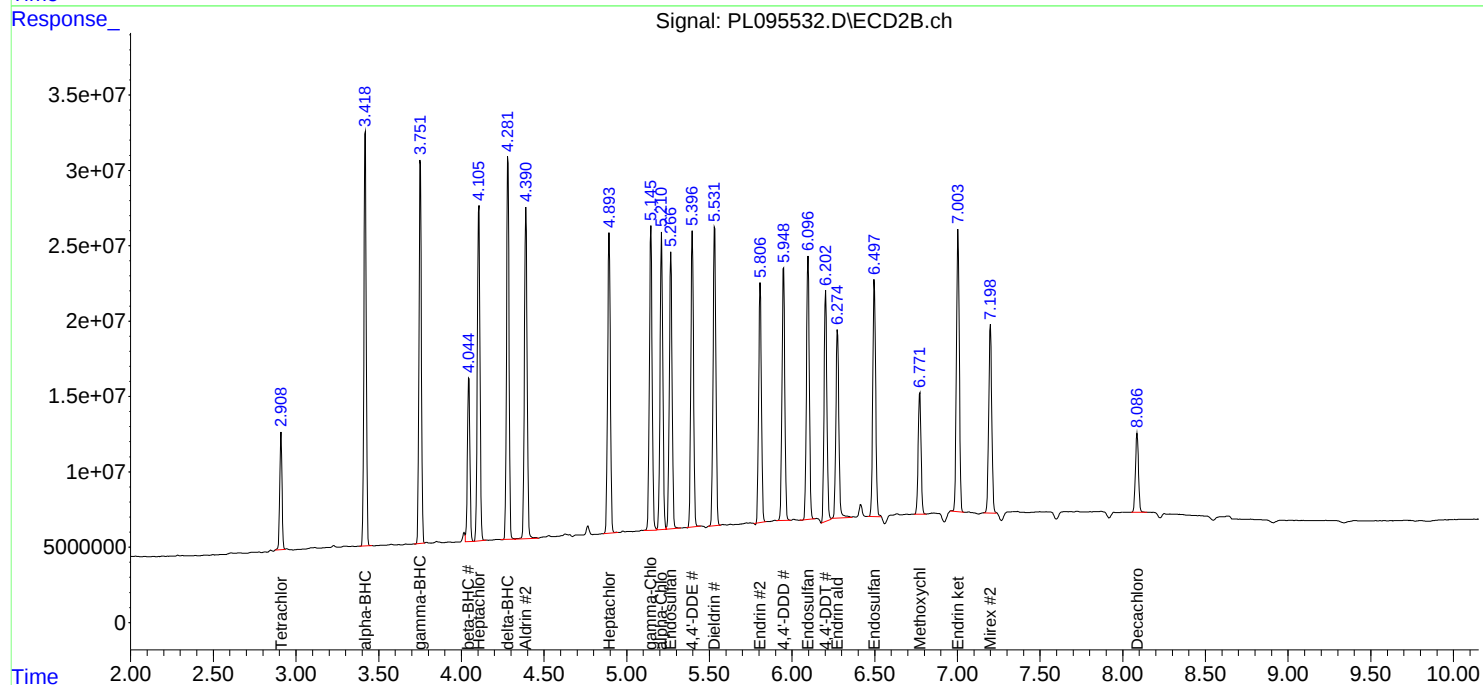
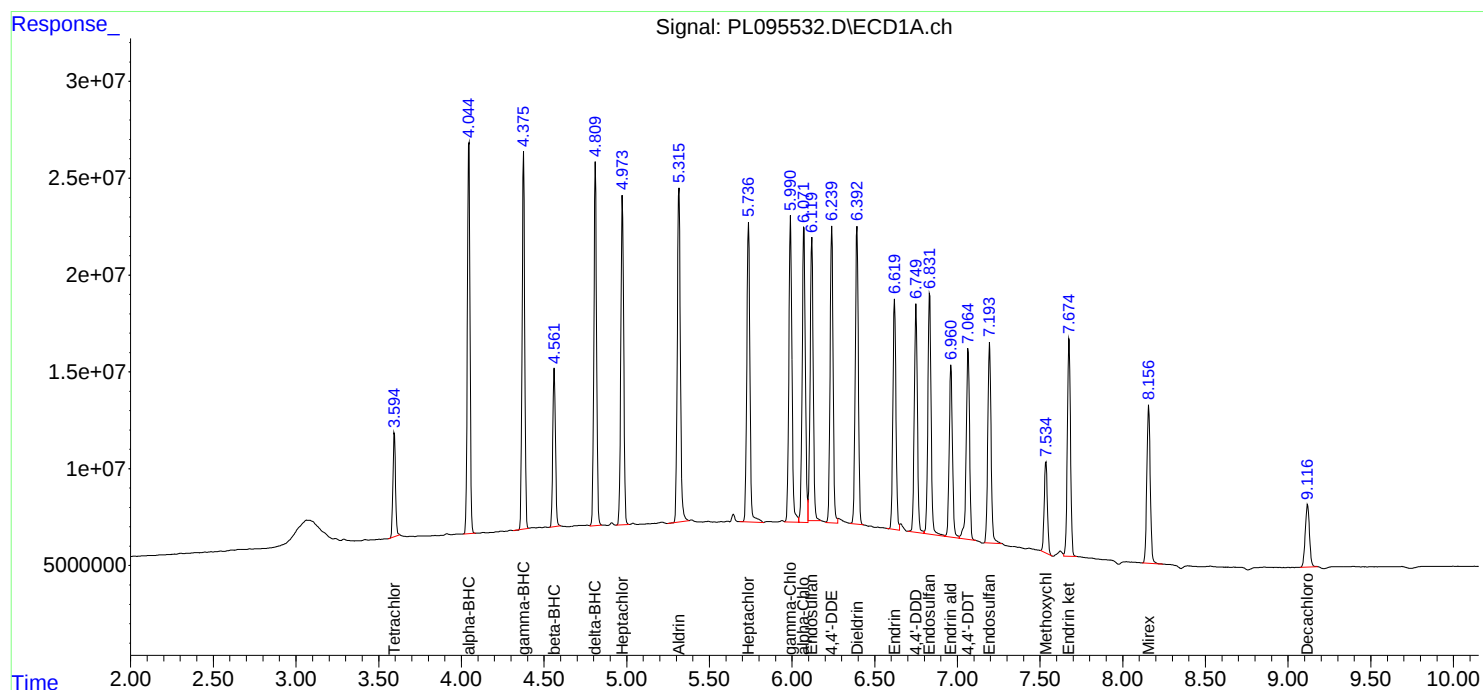
APPROVED

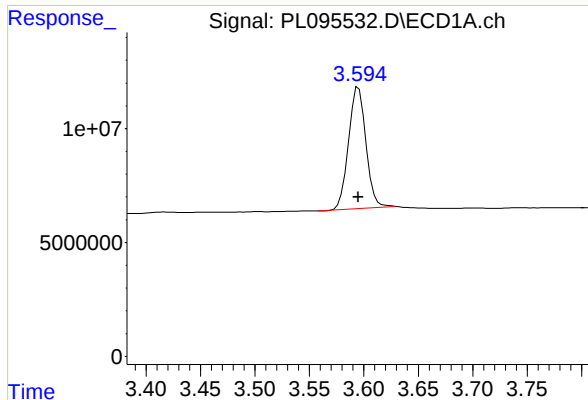
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





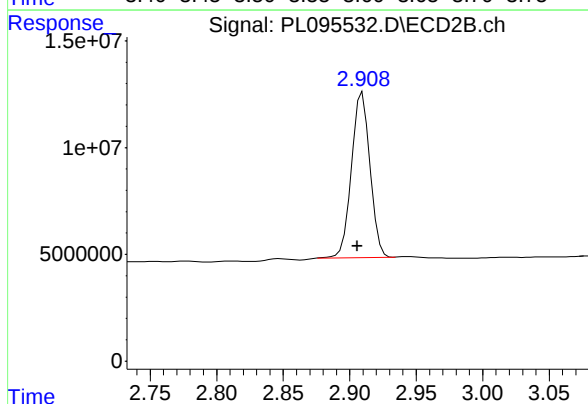
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 59205924
Conc: 18.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

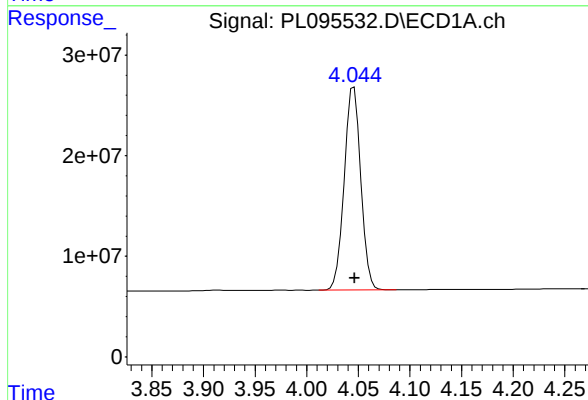
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



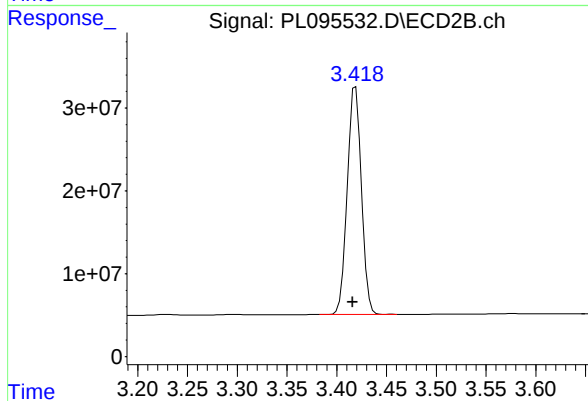
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.004 min
Response: 75217001
Conc: 23.65 ng/ml



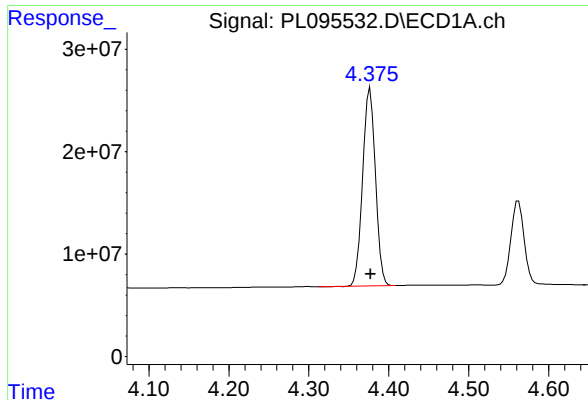
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 225264012
Conc: 45.47 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 272680033
Conc: 61.29 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 214250372
Conc: 45.26 ng/ml

Instrument :

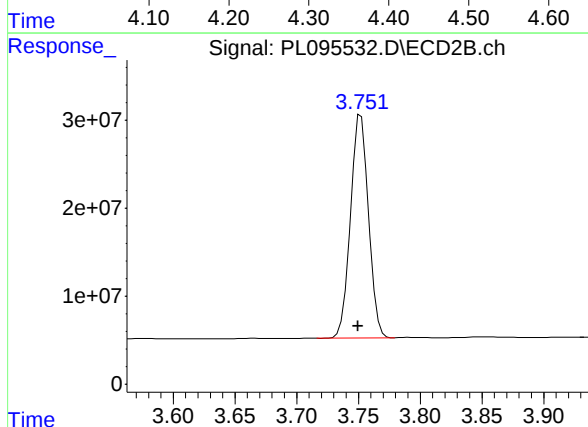
ECD_L

ClientSampleId :

PB167854BS

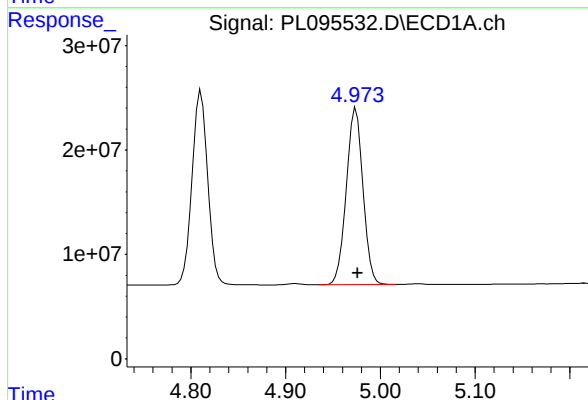
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



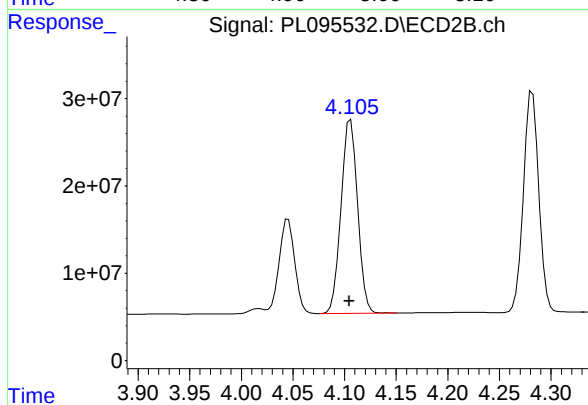
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 258166044
Conc: 58.70 ng/ml



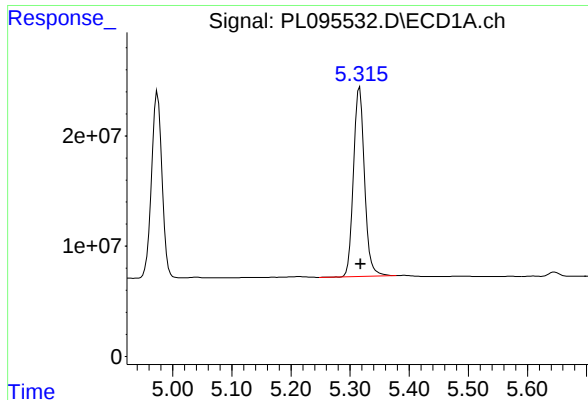
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 207011288
Conc: 45.25 ng/ml



#4 Heptachlor

R.T.: 4.106 min
Delta R.T.: 0.001 min
Response: 247513256
Conc: 56.81 ng/ml



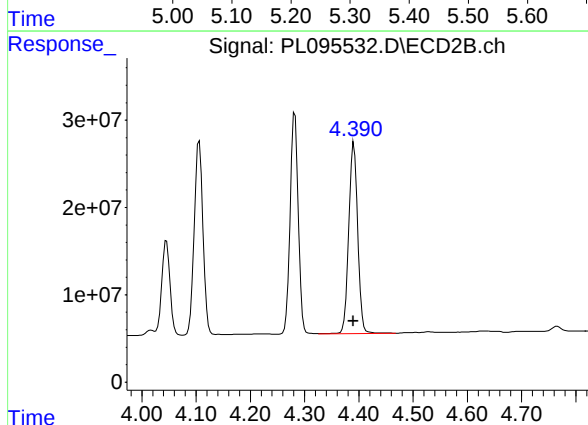
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 223234915
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

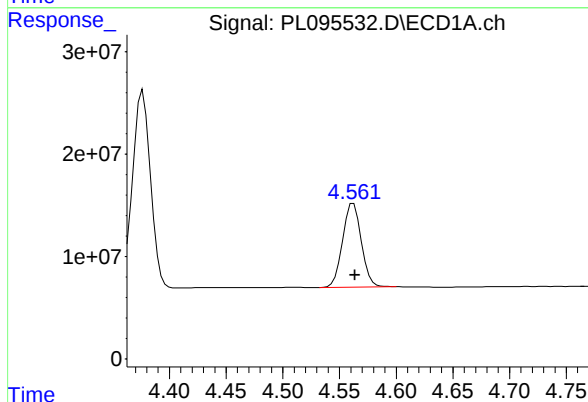
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



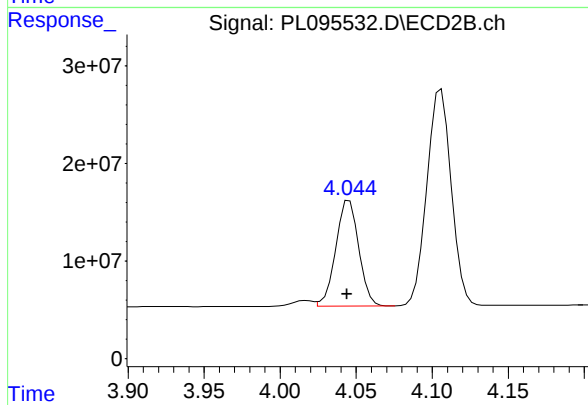
#5 Aldrin

R.T.: 4.391 min
Delta R.T.: 0.000 min
Response: 250111035
Conc: 60.77 ng/ml



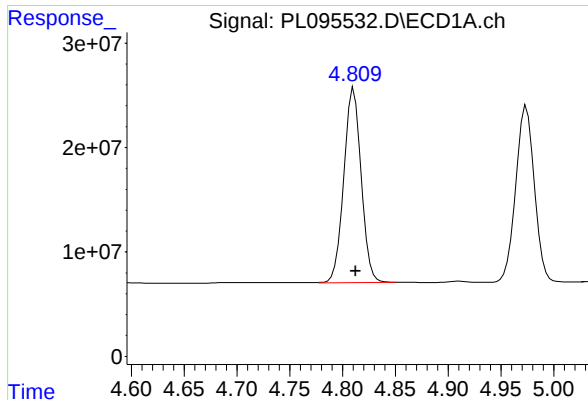
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.001 min
Response: 93978270
Conc: 45.45 ng/ml



#6 beta-BHC

R.T.: 4.046 min
Delta R.T.: 0.002 min
Response: 114025774
Conc: 54.93 ng/ml



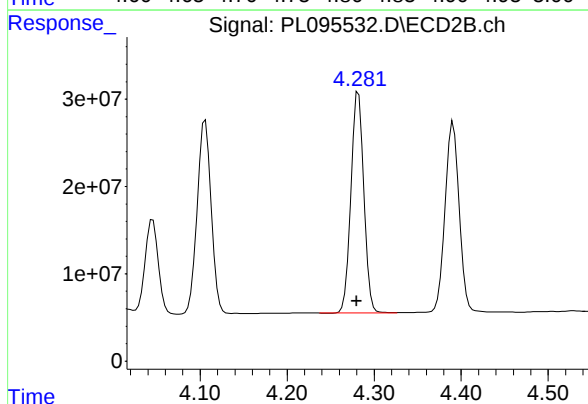
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.003 min
Response: 213412359
Conc: 45.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

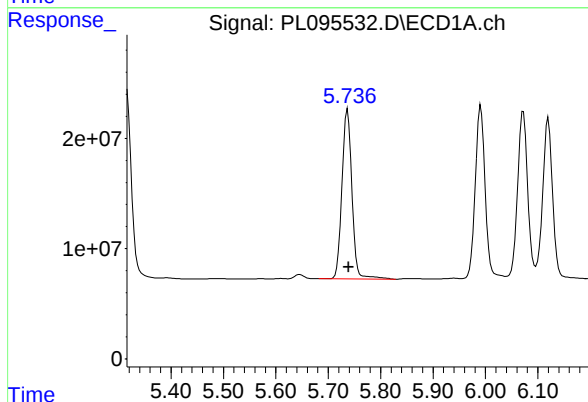
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



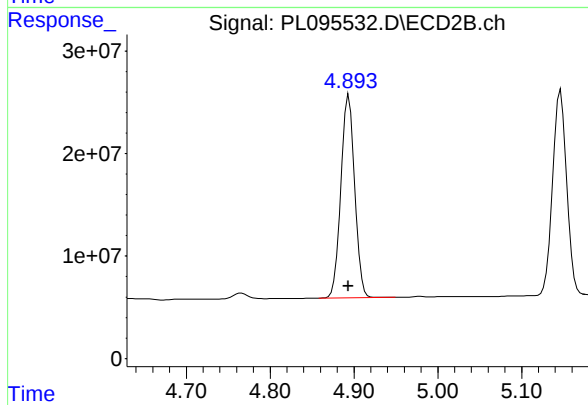
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.002 min
Response: 262552092
Conc: 59.92 ng/ml



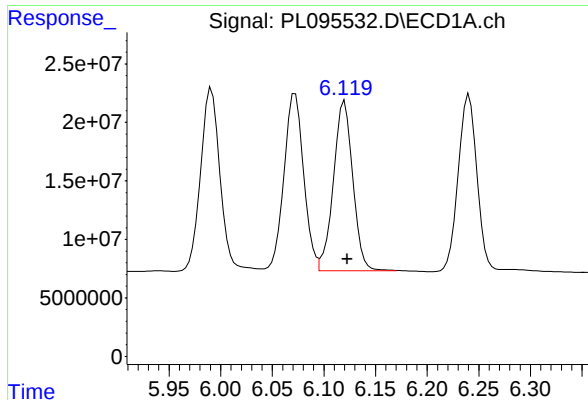
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 203574483
Conc: 50.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 225846599
Conc: 58.47 ng/ml



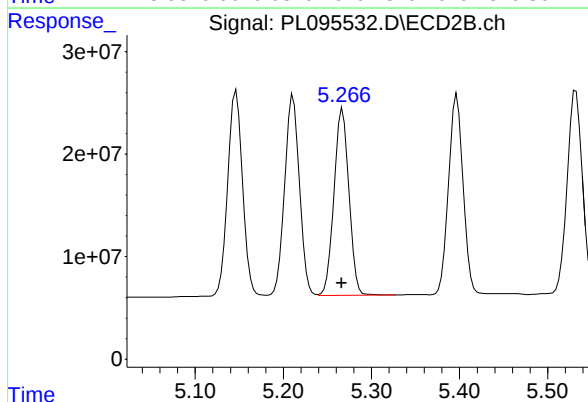
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 189510920
Conc: 49.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

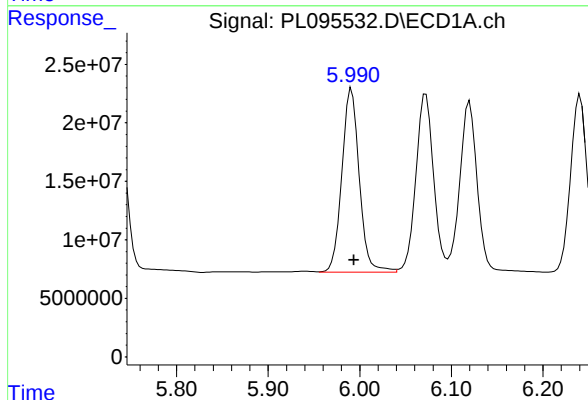
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



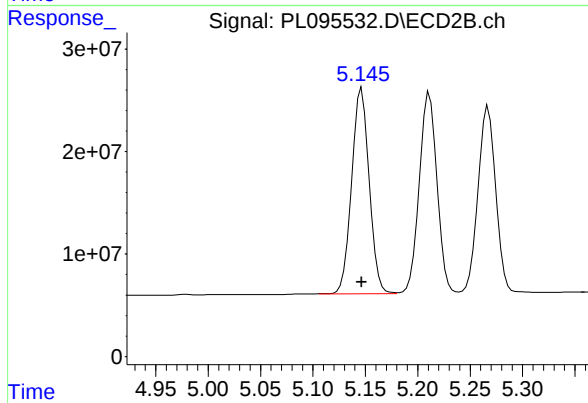
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 215493118
Conc: 58.87 ng/ml



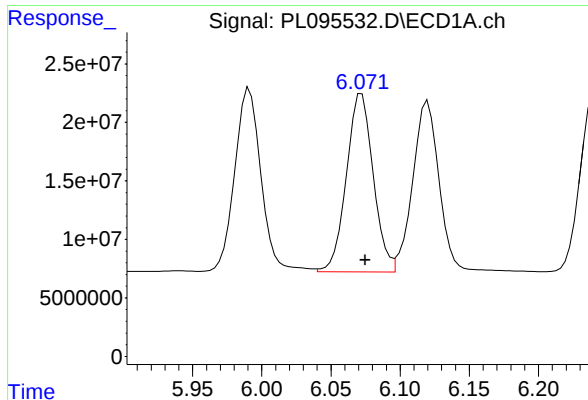
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.002 min
Response: 208075693
Conc: 51.01 ng/ml



#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: -0.001 min
Response: 235811693
Conc: 58.19 ng/ml m



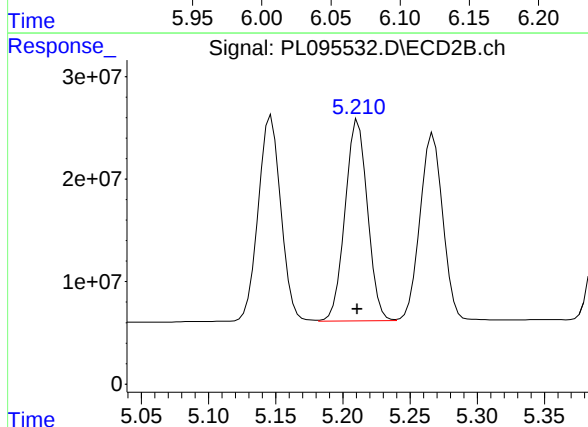
#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.003 min
Response: 205229272
Conc: 50.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

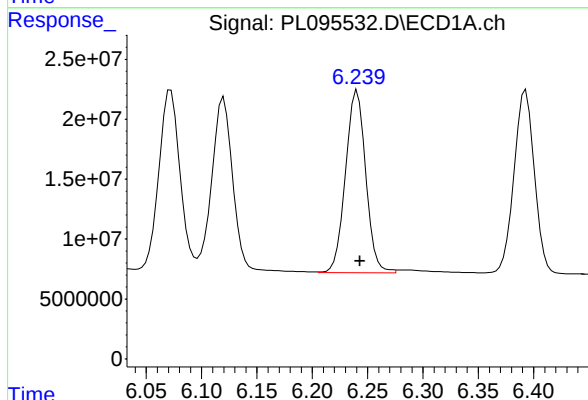
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



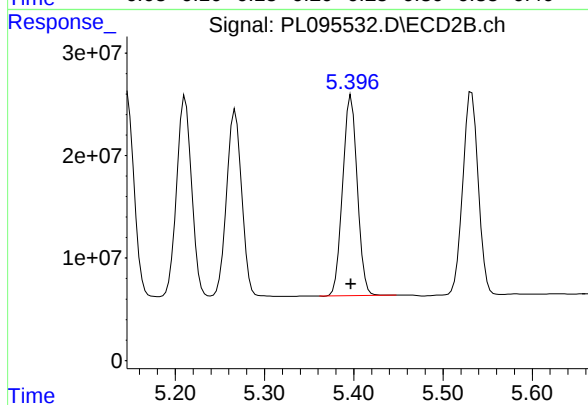
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 228963999
Conc: 57.51 ng/ml



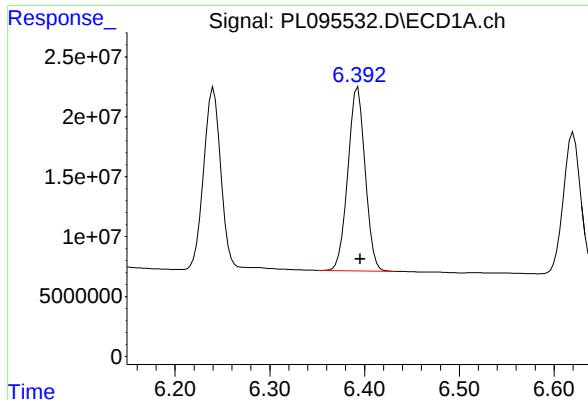
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 193665549
Conc: 49.40 ng/ml m



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 222176370
Conc: 54.63 ng/ml



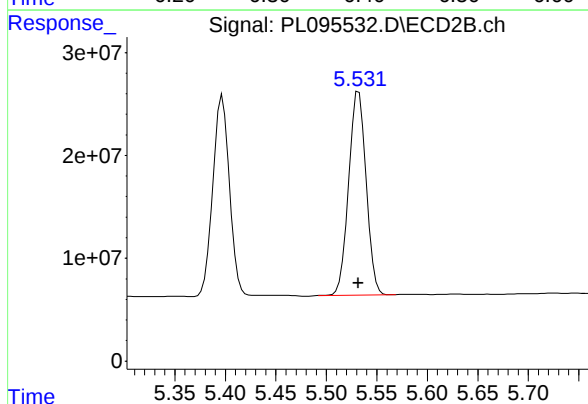
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 194973532
Conc: 50.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

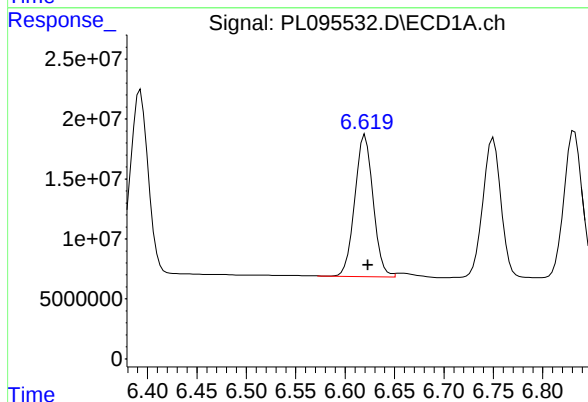
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



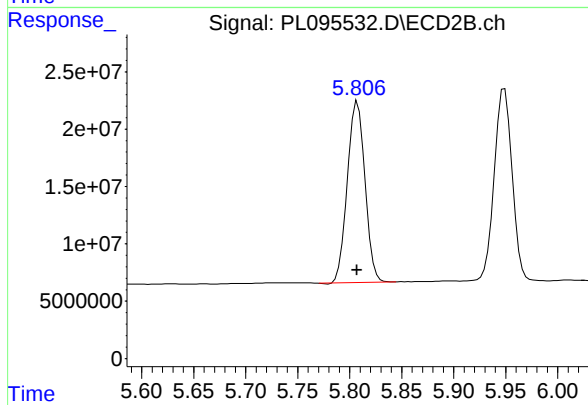
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 238913582
Conc: 58.74 ng/ml



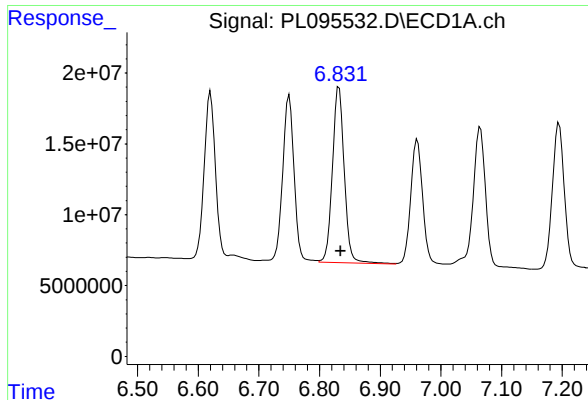
#14 Endrin

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 152560839
Conc: 47.90 ng/ml



#14 Endrin

R.T.: 5.808 min
Delta R.T.: 0.000 min
Response: 186014130
Conc: 51.09 ng/ml



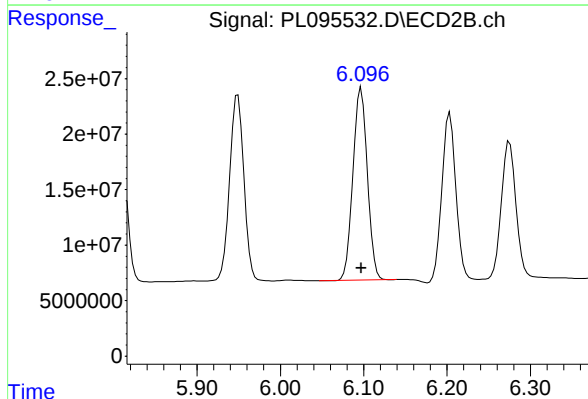
#15 Endosulfan II

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 168306143
Conc: 52.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

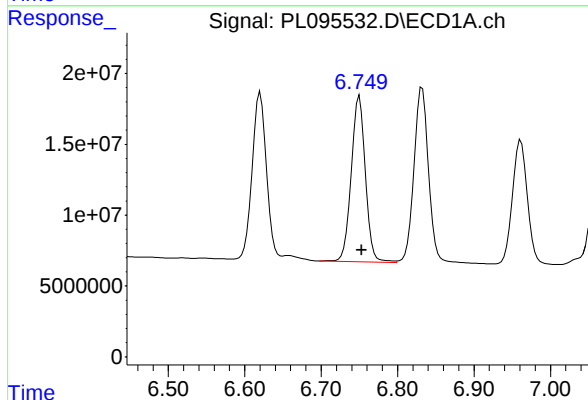
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



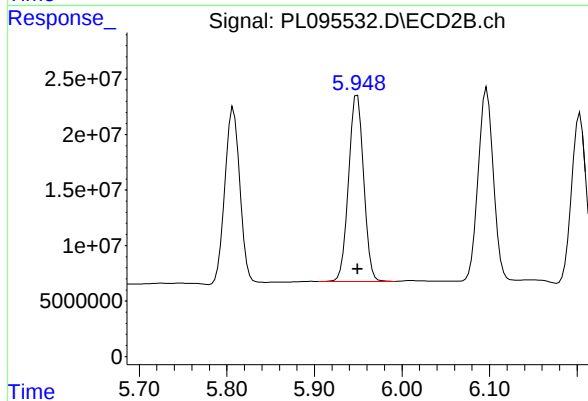
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 208200241
Conc: 57.98 ng/ml



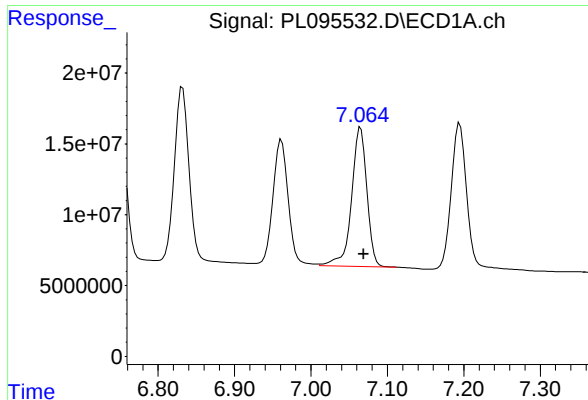
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 152269168
Conc: 53.79 ng/ml



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 199767830
Conc: 61.15 ng/ml



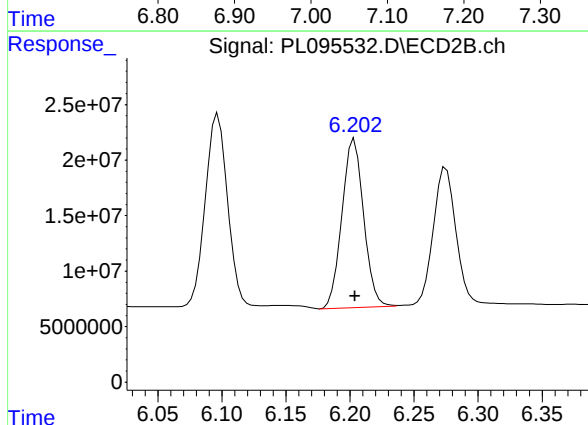
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 137631752
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

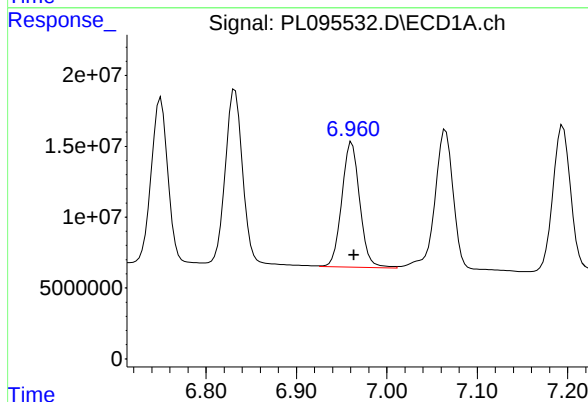
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



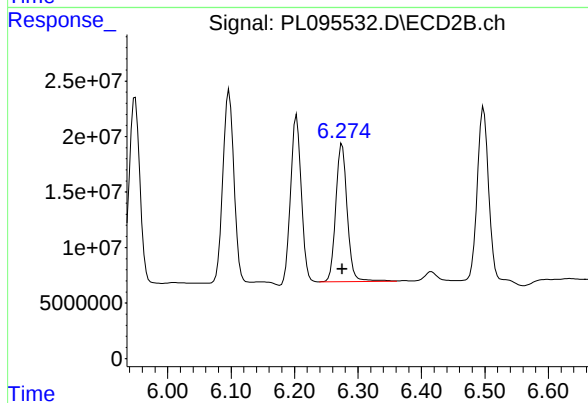
#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.002 min
Response: 179023847
Conc: 52.10 ng/ml



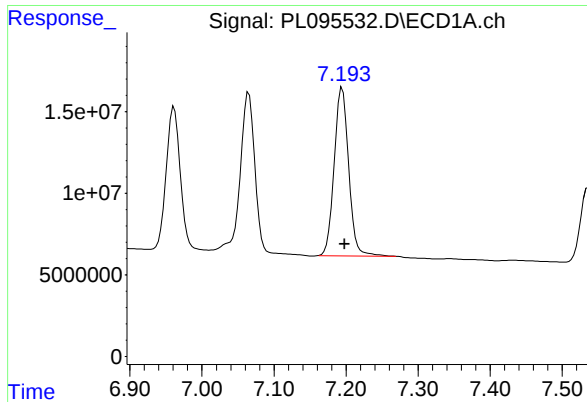
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.002 min
Response: 121804709
Conc: 52.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 156222153
Conc: 59.78 ng/ml



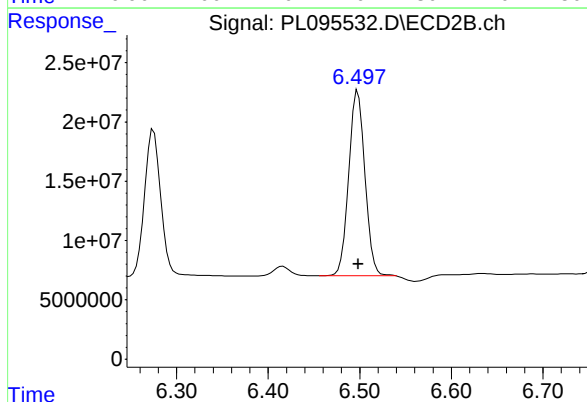
#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 142977143
Conc: 51.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

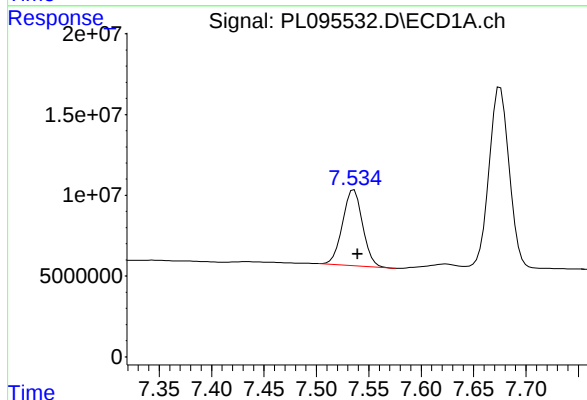
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



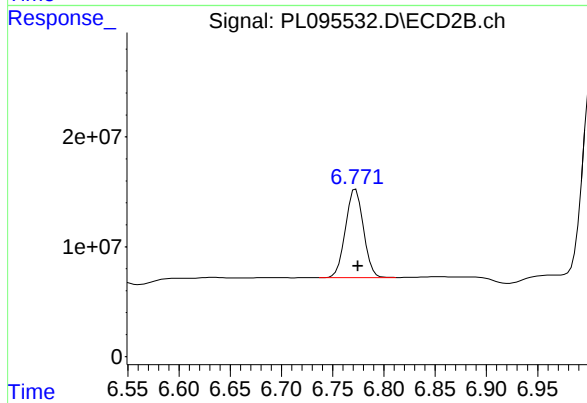
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 192590373
Conc: 58.05 ng/ml



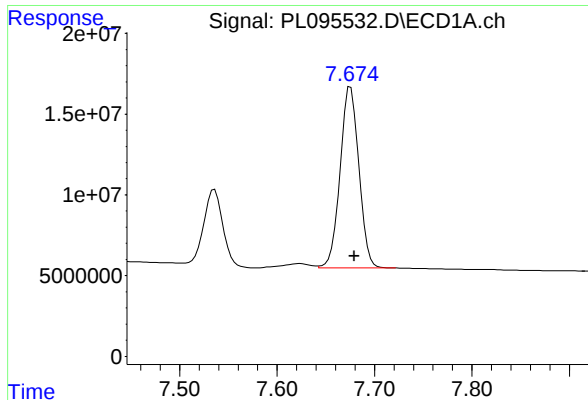
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 62467040
Conc: 44.78 ng/ml



#20 Methoxychlor

R.T.: 6.771 min
Delta R.T.: -0.004 min
Response: 98508784
Conc: 51.64 ng/ml m



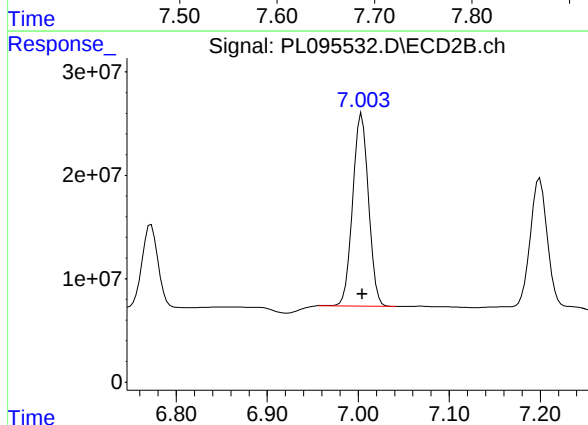
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.004 min
Response: 150204921
Conc: 52.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

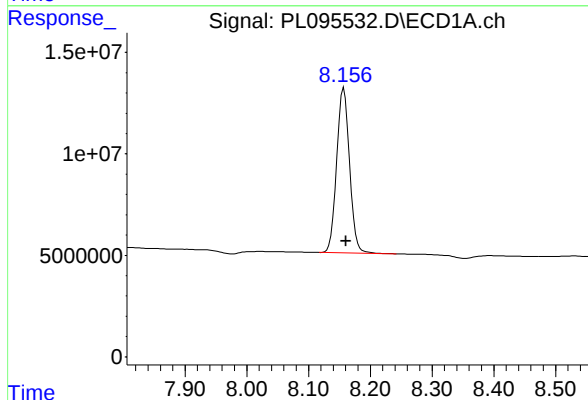
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



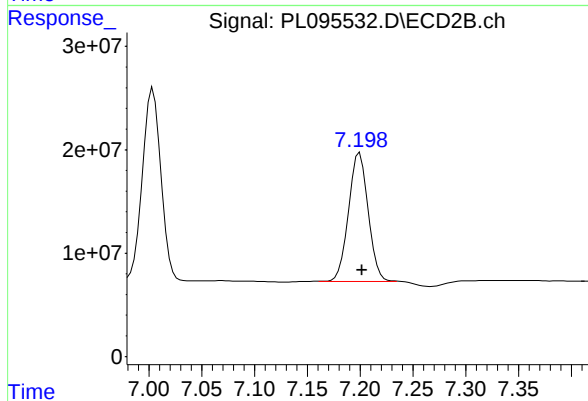
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 226438108
Conc: 64.31 ng/ml



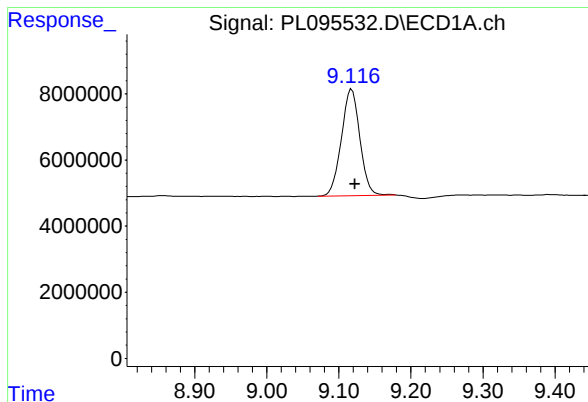
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 117938847
Conc: 49.64 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: -0.003 min
Response: 161282373
Conc: 55.95 ng/ml m



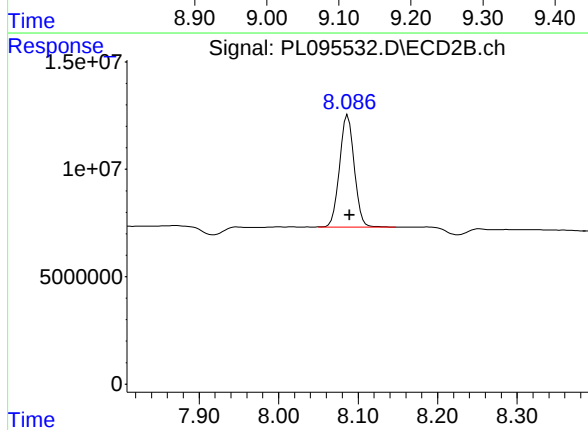
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 57125092
Conc: 20.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167854BS

Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: -0.002 min
Response: 66896101
Conc: 22.61 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-AMS	SDG No.:	Q1938
Lab Sample ID:	Q1936-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095539.D	1	05/05/25 08:35	05/05/25 15:06	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	25.7	P	0.14	1.90	ug/kg
319-85-7	beta-BHC	22.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	24.8	P	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	24.4	P	0.15	1.90	ug/kg
76-44-8	Heptachlor	23.2	P	0.13	1.90	ug/kg
309-00-2	Aldrin	24.8	P	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	24.1		0.21	1.90	ug/kg
959-98-8	Endosulfan I	24.3		0.15	1.90	ug/kg
60-57-1	Dieldrin	24.0		0.15	1.90	ug/kg
72-55-9	4,4-DDE	23.4		0.15	1.90	ug/kg
72-20-8	Endrin	23.6		0.15	1.90	ug/kg
33213-65-9	Endosulfan II	24.1		0.32	1.90	ug/kg
72-54-8	4,4-DDD	25.0		0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	22.7		0.14	1.90	ug/kg
50-29-3	4,4-DDT	22.6		0.15	1.90	ug/kg
72-43-5	Methoxychlor	21.0		0.41	1.90	ug/kg
53494-70-5	Endrin ketone	25.3	P	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	23.4		0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	23.6		0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	23.8		0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		30 (20) - 150 (144)	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		30 (19) - 150 (148)	83%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-AMS	SDG No.:	Q1938
Lab Sample ID:	Q1936-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095539.D	1	05/05/25 08:35	05/05/25 15:06	PB167854

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\PL050625\
 Data File : PL095539.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 15:06
 Operator : AR\AJ
 Sample : Q1936-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SMALL-PILE-AMS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:40:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.909	40049031	52613205	12.267	16.546 #
28) SA Decachlor...	9.114	8.084	33057669	42851827	11.931	14.481
Target Compounds						
2) A alpha-BHC	4.043	3.418	243.7E6	312.6E6	49.197	70.262 #
3) MA gamma-BHC...	4.373	3.752	233.4E6	293.1E6	49.293m	66.646 #
4) MA Heptachlor	4.972	4.105	222.8E6	276.2E6	48.701	63.400 #
5) MB Aldrin	5.313	4.390	240.8E6	278.9E6	52.419m	67.770 #
6) B beta-BHC	4.560	4.045	99701701	128.7E6	48.223	61.983 #
7) B delta-BHC	4.807	4.281	228.3E6	296.3E6	49.099m	67.616 #
8) B Heptachlo...	5.734	4.893	212.0E6	253.7E6	52.930	65.671
9) A Endosulfan I	6.117	5.265	201.7E6	242.4E6	53.106	66.231
10) B gamma-Chl...	5.987	5.144	214.9E6	263.7E6	52.668m	65.064m
11) B alpha-Chl...	6.070	5.209	214.0E6	257.0E6	52.638	64.566
12) B 4,4'-DDE	6.238	5.395	205.8E6	259.3E6	52.497	63.764
13) MA Dieldrin	6.390	5.531	201.9E6	266.9E6	52.377	65.632 #
14) MA Endrin	6.618	5.805	167.0E6	234.3E6	52.431	64.357
15) B Endosulfa...	6.830	6.095	173.5E6	236.6E6	54.356	65.879
16) A 4,4'-DDD	6.748	5.947	158.7E6	222.8E6	56.064	68.212
17) MA 4,4'-DDT	7.063	6.201	140.4E6	211.8E6	49.293	61.625 #
18) B Endrin al...	6.959	6.273	122.5E6	166.9E6	52.799	63.874
19) B Endosulfa...	7.192	6.495	147.1E6	205.9E6	52.490	62.043m
20) A Methoxychlor	7.533	6.769	64119642	109.4E6	45.960	57.373m
21) B Endrin ke...	7.673	7.002	150.1E6	243.7E6	52.655	69.207 #
22) Mirex	8.155	7.197	119.5E6	175.3E6	50.295	60.816m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 15:06
Operator : AR\AJ
Sample : Q1936-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SMALL-PILE-AMS

Manual Integrations

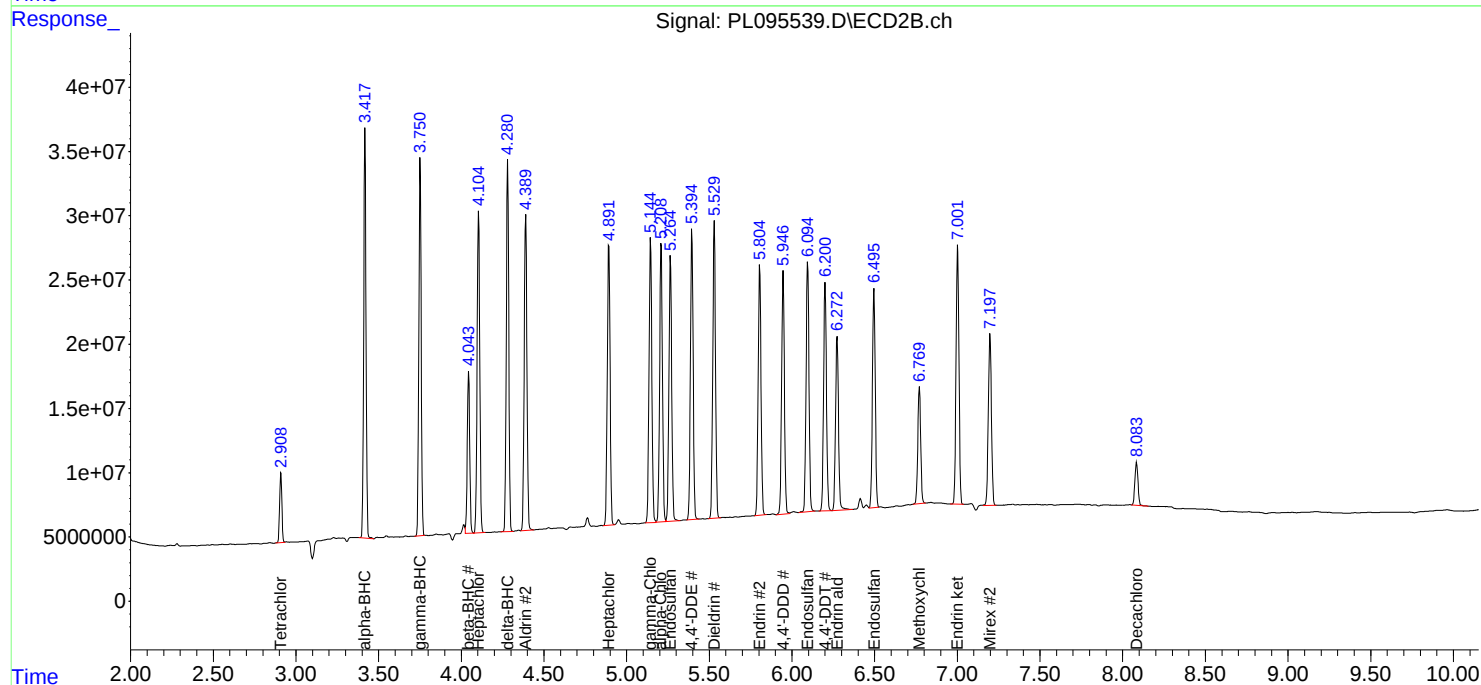
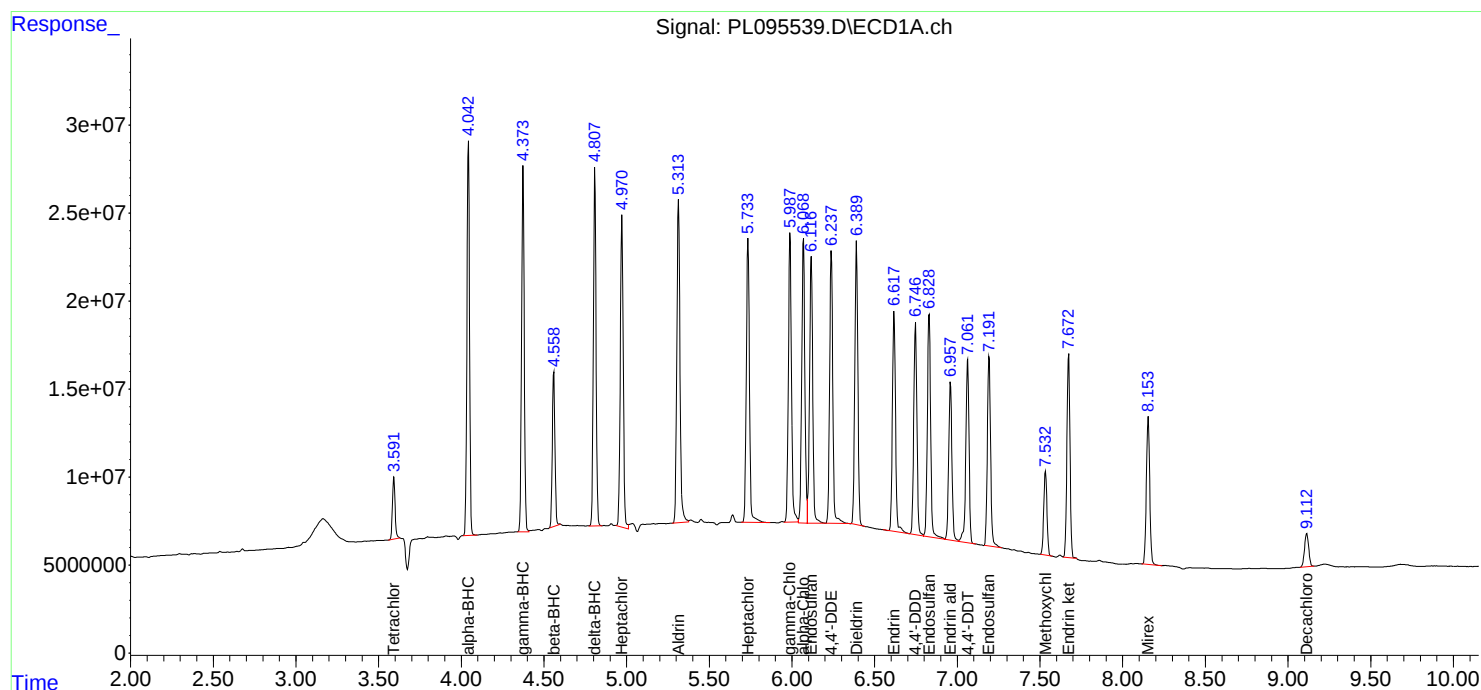
APPROVED

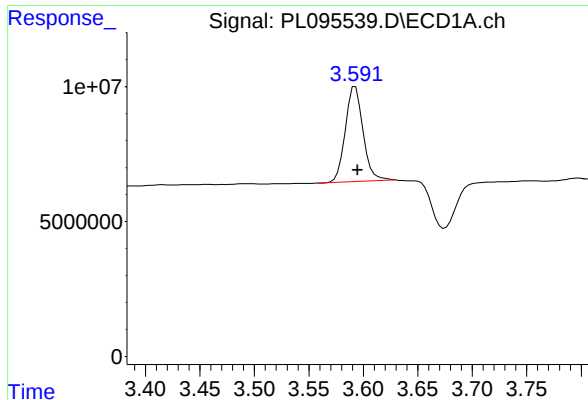
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





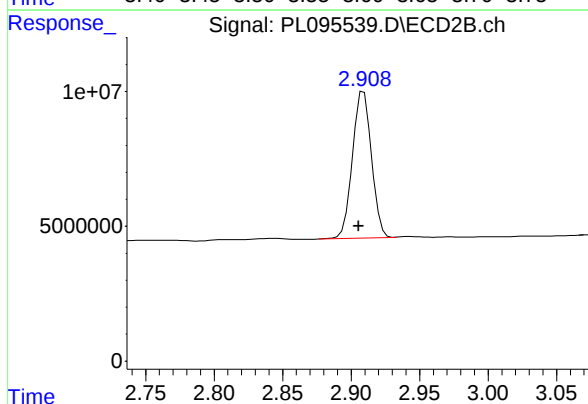
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 40049031
Conc: 12.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

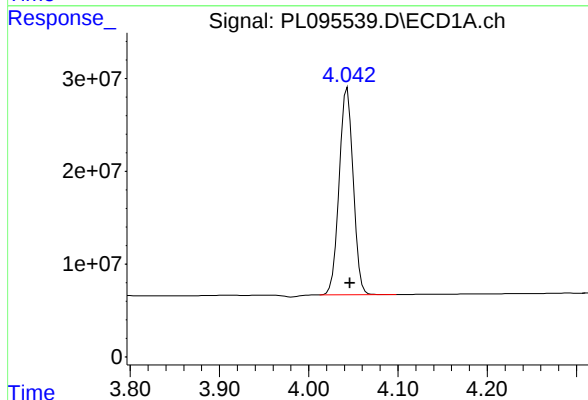
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



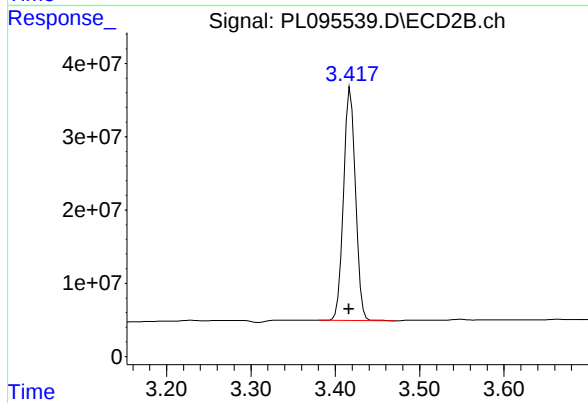
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 52613205
Conc: 16.55 ng/ml



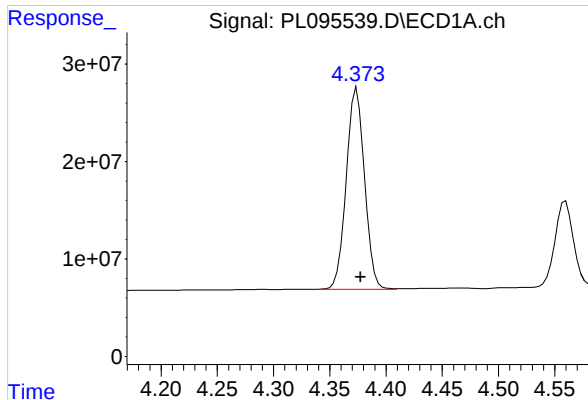
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 243709402
Conc: 49.20 ng/ml



#2 alpha-BHC

R.T.: 3.418 min
Delta R.T.: 0.002 min
Response: 312574112
Conc: 70.26 ng/ml



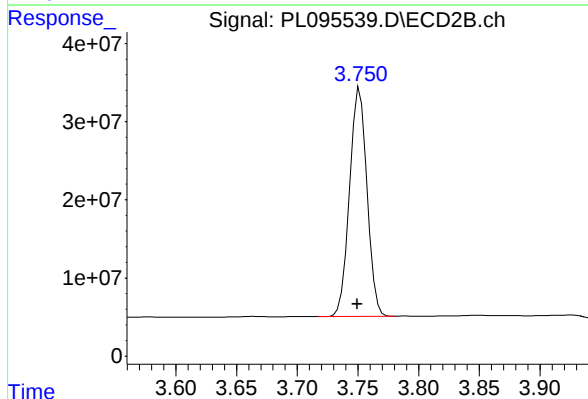
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.005 min
Response: 233350542
Conc: 49.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

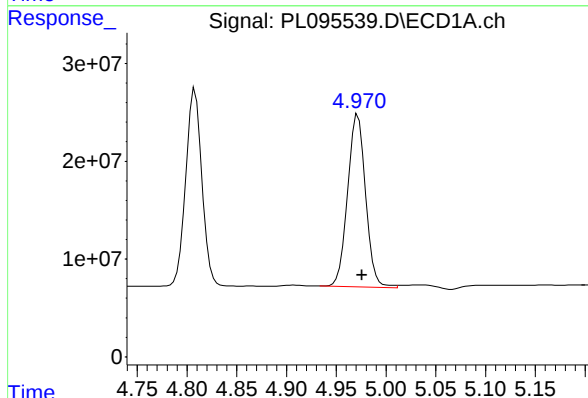
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



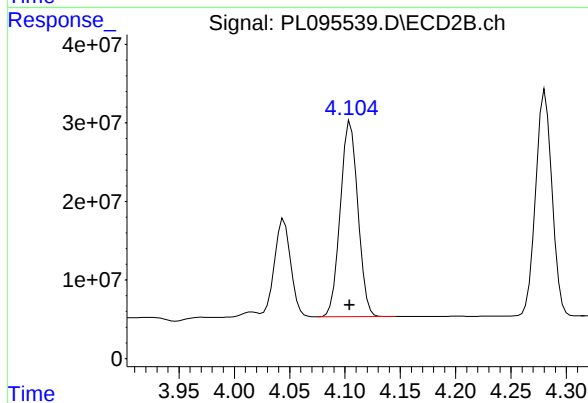
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 293122336
Conc: 66.65 ng/ml



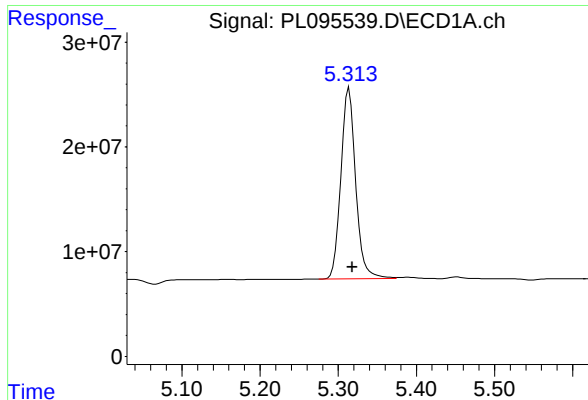
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 222779807
Conc: 48.70 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 276216852
Conc: 63.40 ng/ml



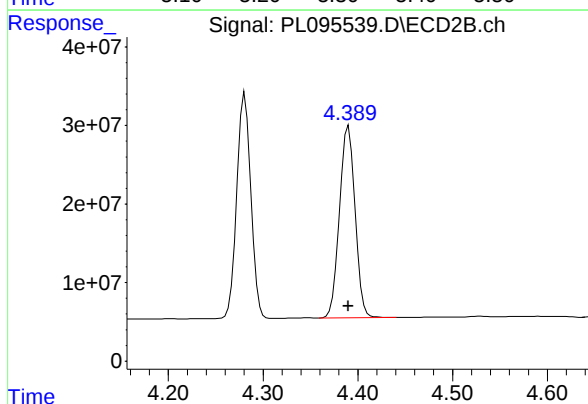
#5 Aldrin

R.T.: 5.313 min
Delta R.T.: -0.006 min
Response: 240761994
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

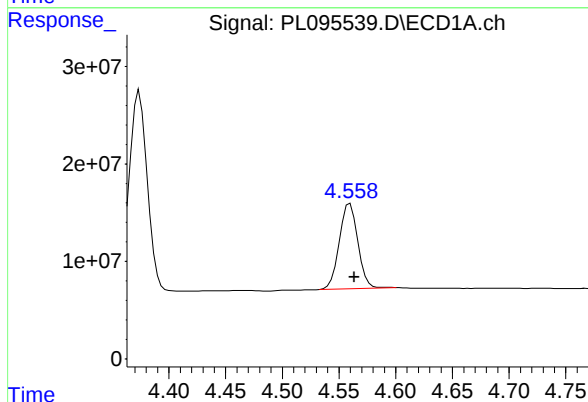
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



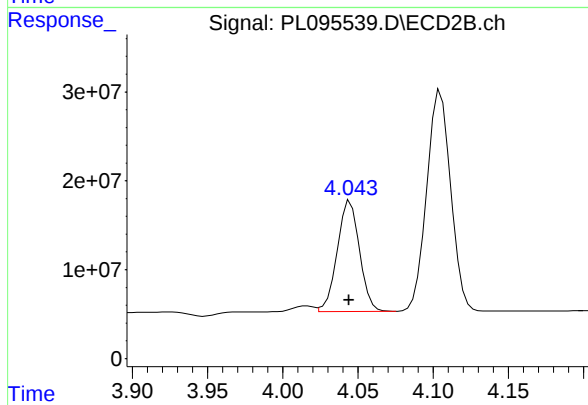
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 278918280
Conc: 67.77 ng/ml



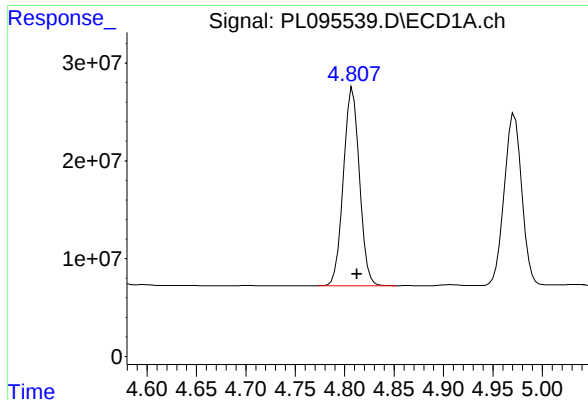
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 99701701
Conc: 48.22 ng/ml



#6 beta-BHC

R.T.: 4.045 min
Delta R.T.: 0.001 min
Response: 128669094
Conc: 61.98 ng/ml



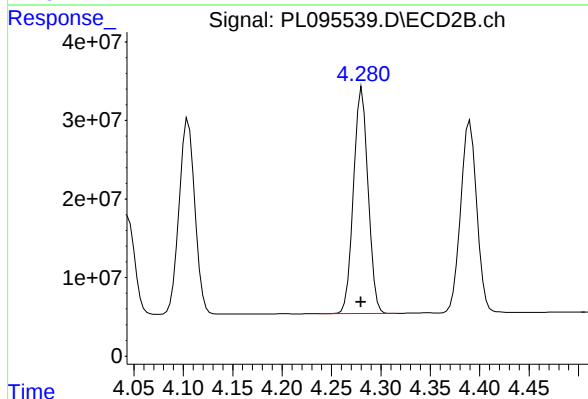
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.006 min
Response: 228345594
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

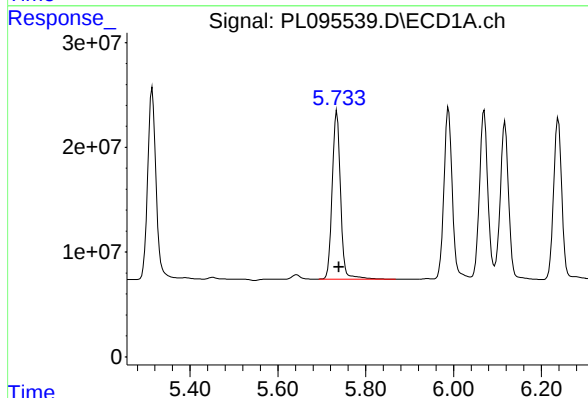
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



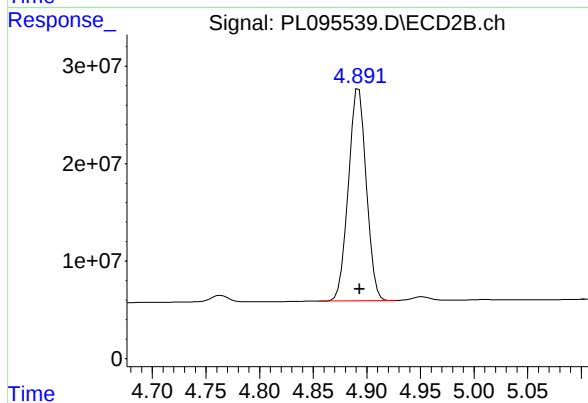
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.001 min
Response: 296291247
Conc: 67.62 ng/ml



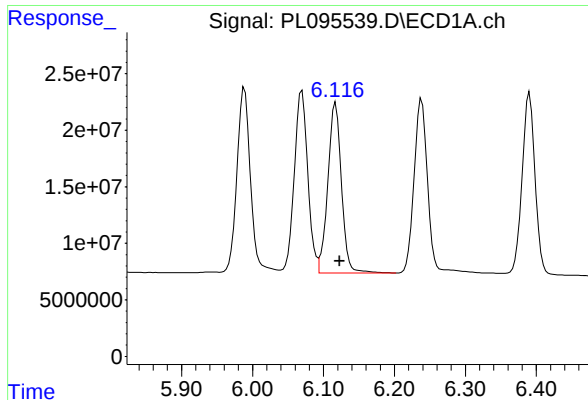
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 211992150
Conc: 52.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 253663334
Conc: 65.67 ng/ml



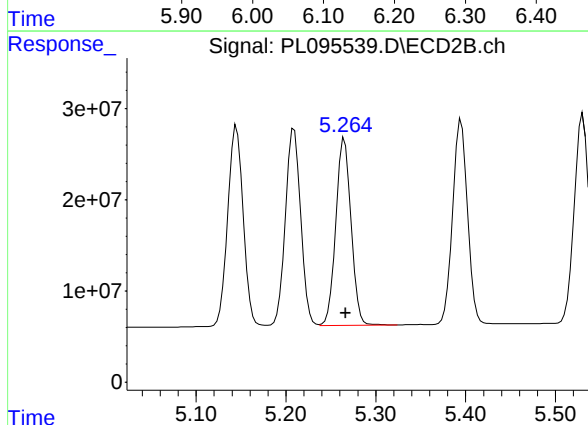
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 201671257
Conc: 53.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

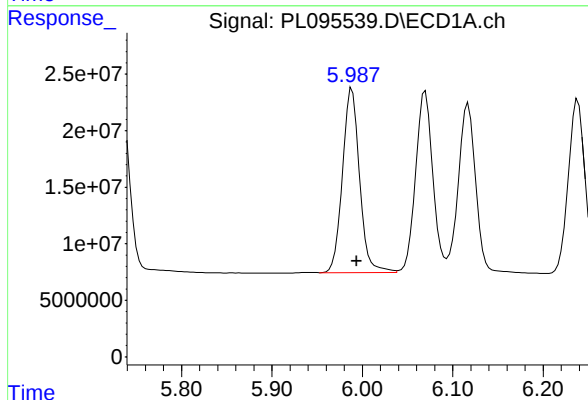
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



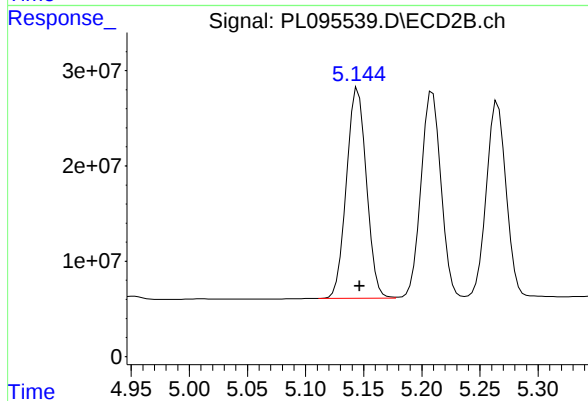
#9 Endosulfan I

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 242434560
Conc: 66.23 ng/ml



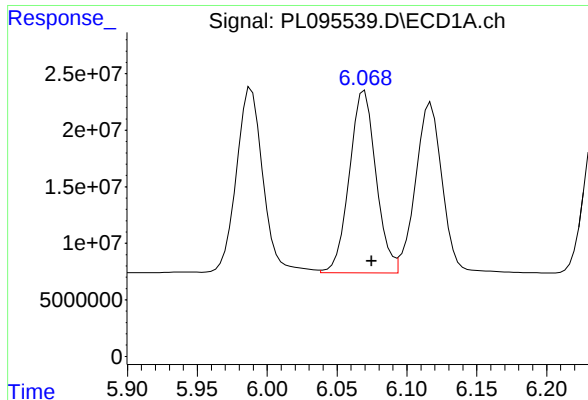
#10 gamma-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.006 min
Response: 214852399
Conc: 52.67 ng/ml m



#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 263682901
Conc: 65.06 ng/ml m



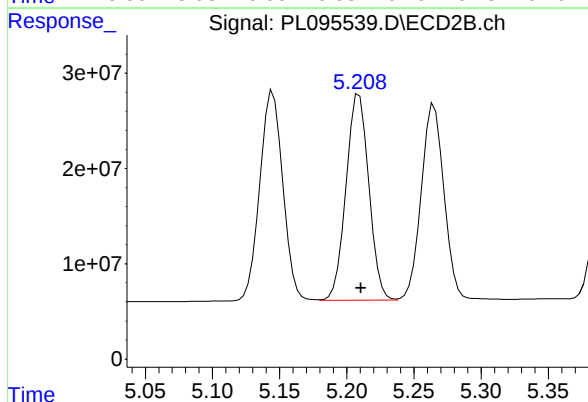
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 214032875
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

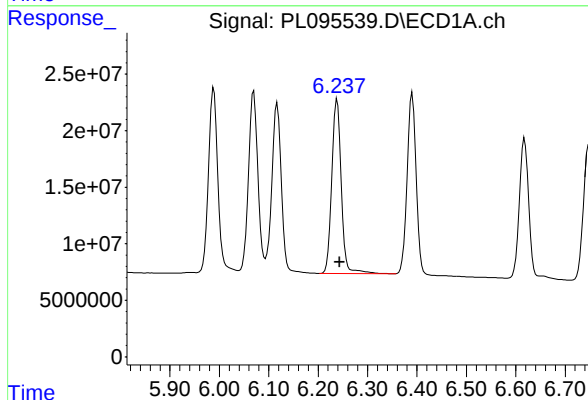
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



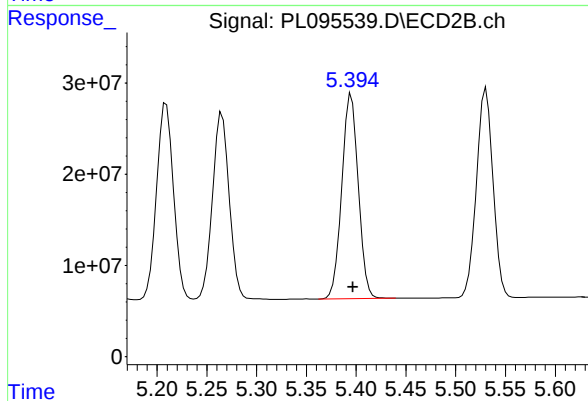
#11 alpha-Chlordane

R.T.: 5.209 min
Delta R.T.: -0.001 min
Response: 257043205
Conc: 64.57 ng/ml



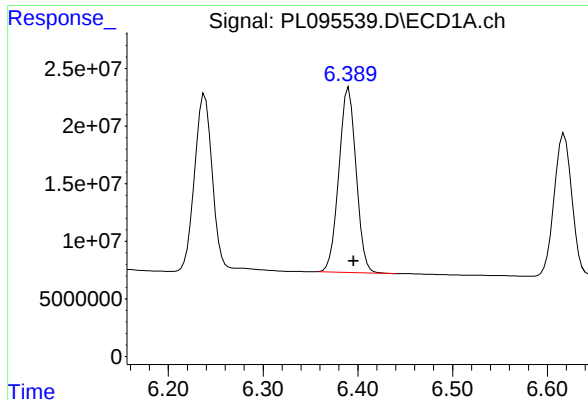
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 205818975
Conc: 52.50 ng/ml



#12 4,4'-DDE

R.T.: 5.395 min
Delta R.T.: -0.002 min
Response: 259324346
Conc: 63.76 ng/ml



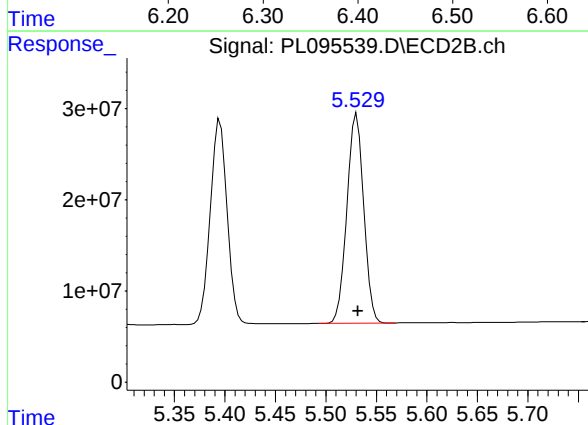
#13 Dieldrin

R.T.: 6.390 min
Delta R.T.: -0.005 min
Response: 201904862
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

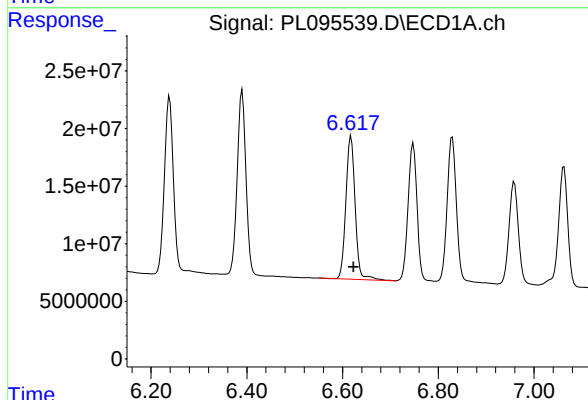
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



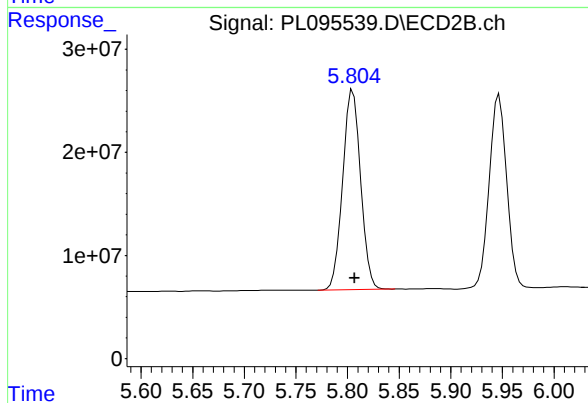
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: -0.001 min
Response: 266932621
Conc: 65.63 ng/ml



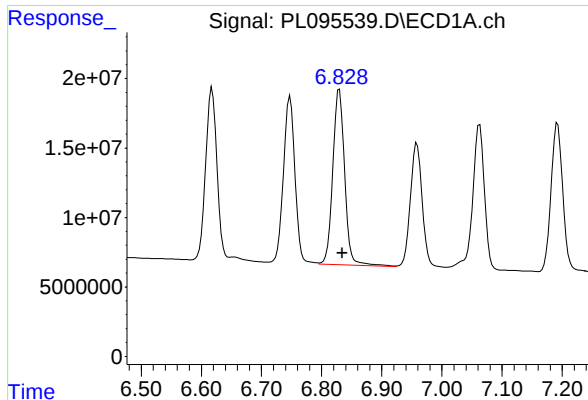
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 166978686
Conc: 52.43 ng/ml



#14 Endrin

R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 234305468
Conc: 64.36 ng/ml



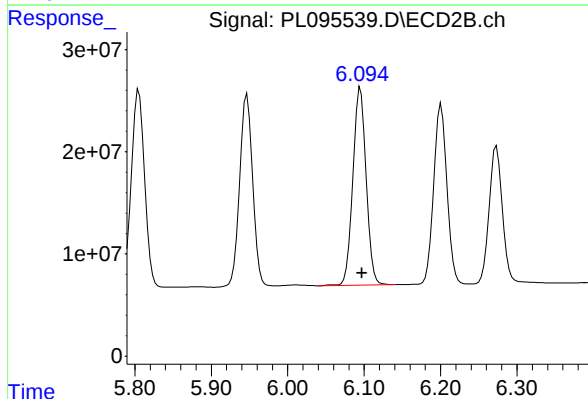
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 173514028
Conc: 54.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

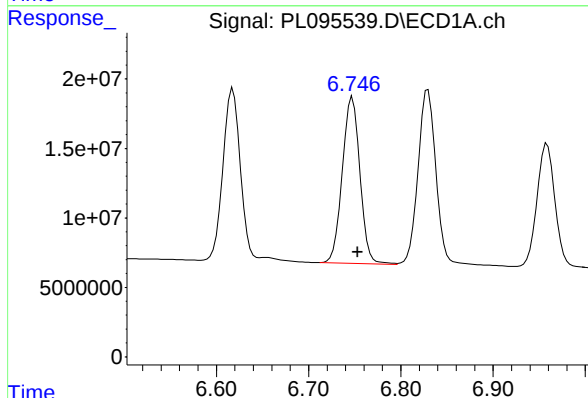
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



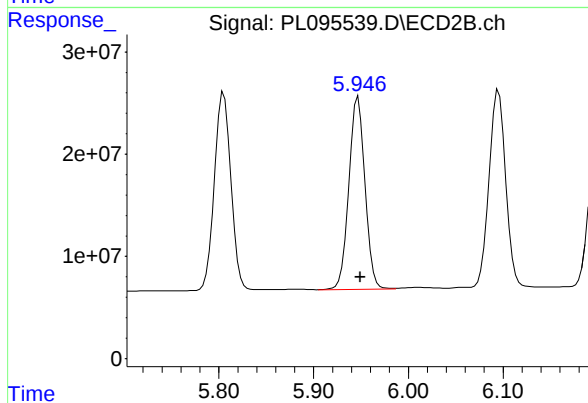
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: -0.002 min
Response: 236578615
Conc: 65.88 ng/ml



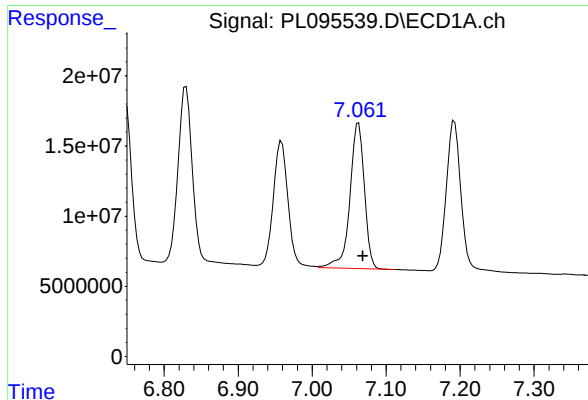
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 158716064
Conc: 56.06 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 222833456
Conc: 68.21 ng/ml



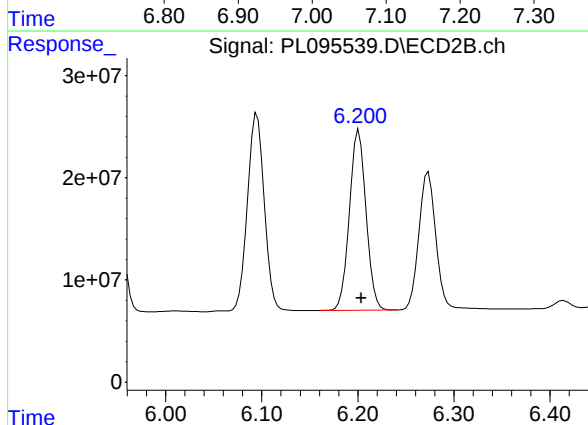
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.006 min
Response: 140415990
Conc: 49.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

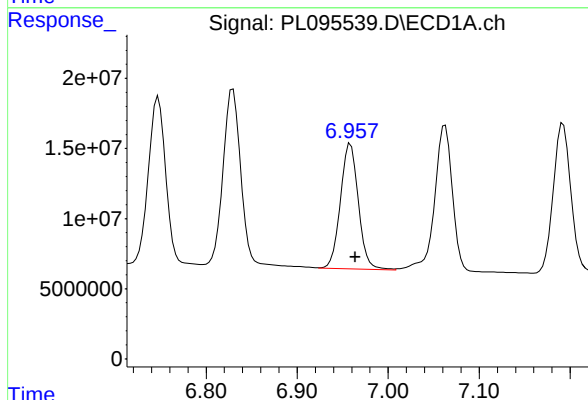
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



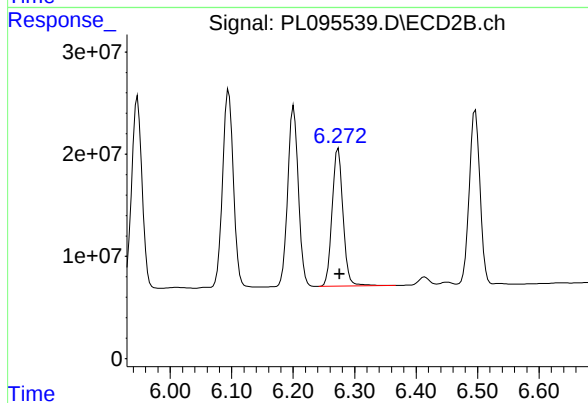
#17 4,4'-DDT

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 211754017
Conc: 61.62 ng/ml



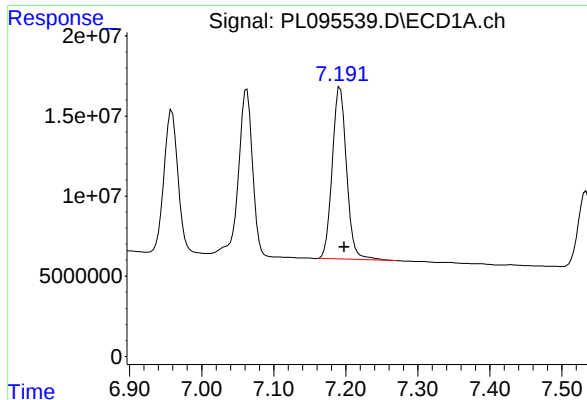
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 122535960
Conc: 52.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.273 min
Delta R.T.: -0.002 min
Response: 166913384
Conc: 63.87 ng/ml



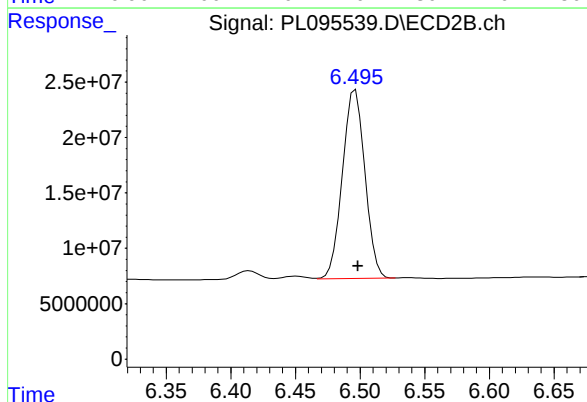
#19 Endosulfan Sulfate

R.T.: 7.192 min
Delta R.T.: -0.006 min
Response: 147067558
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

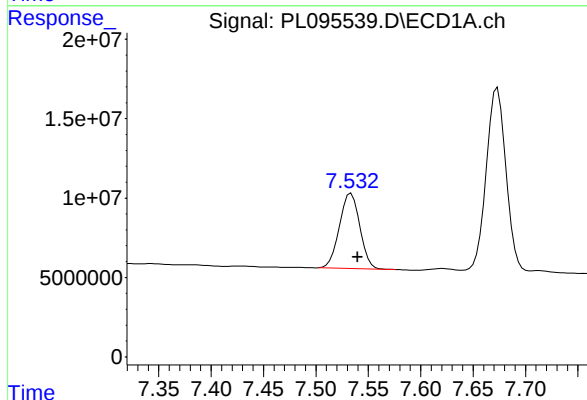
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



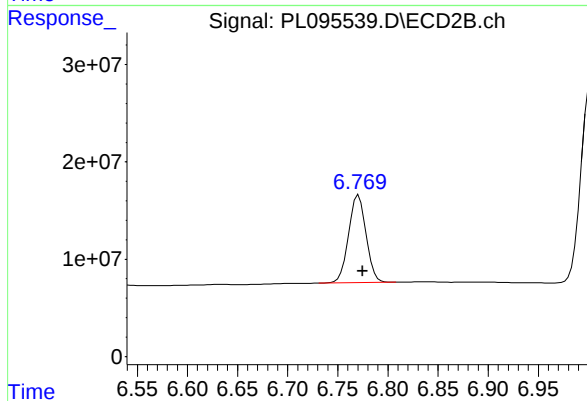
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.003 min
Response: 205854539
Conc: 62.04 ng/ml



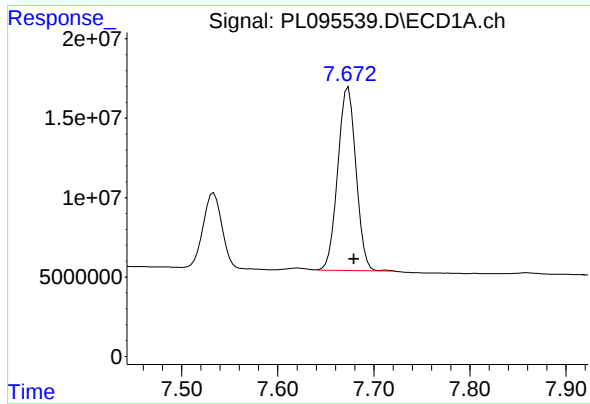
#20 Methoxychlor

R.T.: 7.533 min
Delta R.T.: -0.006 min
Response: 64119642
Conc: 45.96 ng/ml



#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 109435333
Conc: 57.37 ng/ml



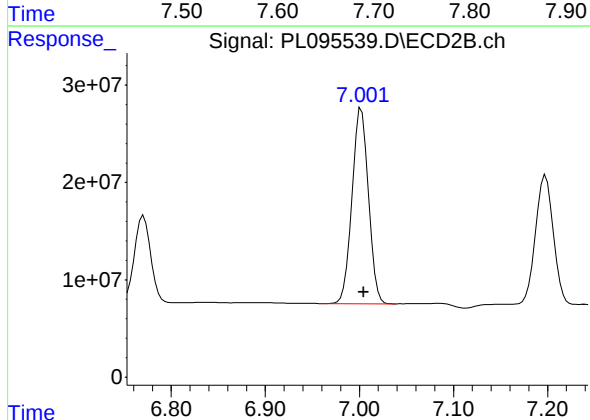
#21 Endrin ketone

R.T.: 7.673 min
Delta R.T.: -0.006 min
Response: 150113873
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

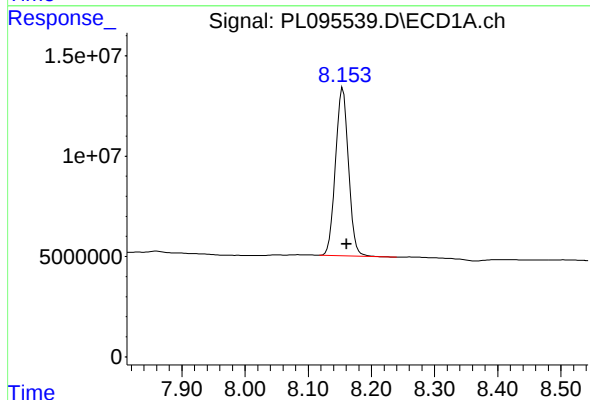
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



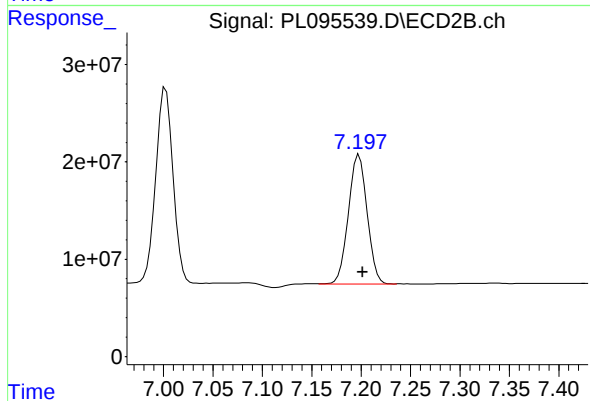
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.002 min
Response: 243699045
Conc: 69.21 ng/ml



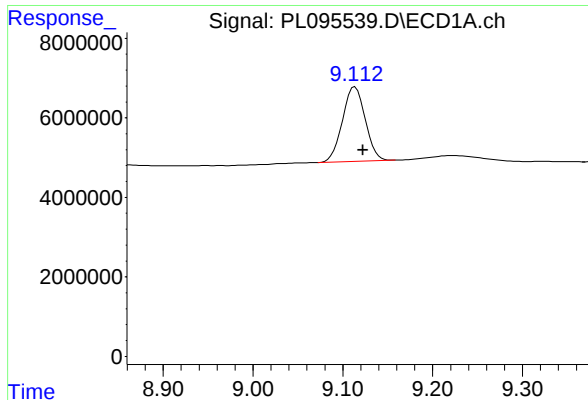
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.006 min
Response: 119503663
Conc: 50.30 ng/ml



#22 Mirex

R.T.: 7.197 min
Delta R.T.: -0.005 min
Response: 175294797
Conc: 60.82 ng/ml m



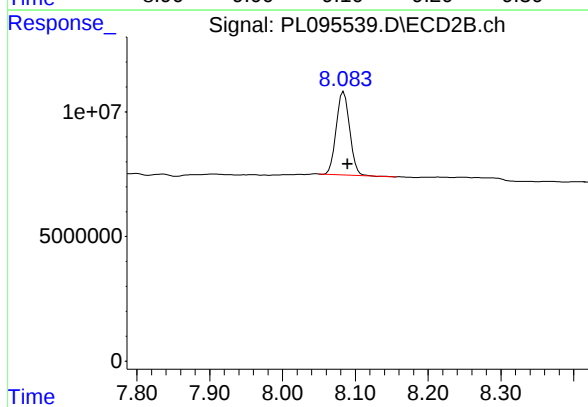
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.009 min
Response: 33057669
Conc: 11.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.005 min
Response: 42851827
Conc: 14.48 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-AMSD	SDG No.:	Q1938
Lab Sample ID:	Q1936-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095540.D	1	05/05/25 08:35	05/05/25 15:19	PB167854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	24.2	P	0.14	1.90	ug/kg
319-85-7	beta-BHC	21.1		0.20	1.90	ug/kg
319-86-8	delta-BHC	23.3	P	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	22.9	P	0.15	1.90	ug/kg
76-44-8	Heptachlor	21.9	P	0.13	1.90	ug/kg
309-00-2	Aldrin	23.3		0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	22.4		0.21	1.90	ug/kg
959-98-8	Endosulfan I	22.6		0.15	1.90	ug/kg
60-57-1	Dieldrin	22.2		0.15	1.90	ug/kg
72-55-9	4,4-DDE	20.2		0.15	1.90	ug/kg
72-20-8	Endrin	19.7		0.15	1.90	ug/kg
33213-65-9	Endosulfan II	22.2		0.32	1.90	ug/kg
72-54-8	4,4-DDD	23.1		0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	21.8		0.14	1.90	ug/kg
50-29-3	4,4-DDT	19.5		0.15	1.90	ug/kg
72-43-5	Methoxychlor	19.9		0.41	1.90	ug/kg
53494-70-5	Endrin ketone	24.1		0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	22.0		0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	22.2		0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	22.6		0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		30 (20) - 150 (144)	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.3		30 (19) - 150 (148)	77%	SPK: 20

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/01/25	
Project:	Stan Hope		Date Received:	05/01/25	
Client Sample ID:	SMALL-PILE-AMSD		SDG No.:	Q1938	
Lab Sample ID:	Q1936-01MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095540.D	1	05/05/25 08:35	05/05/25 15:19	PB167854

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\PL050625\
 Data File : PL095540.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 15:19
 Operator : AR\AJ
 Sample : Q1936-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SMALL-PILE-AMSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:40:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.909	38695605	48750681	11.853	15.332 #
28) SA Decachlor...	9.113	8.084	34079997	40290352	12.300	13.615
Target Compounds						
2) A alpha-BHC	4.043	3.418	235.3E6	293.7E6	47.500	66.011 #
3) MA gamma-BHC...	4.374	3.751	225.8E6	275.2E6	47.698	62.570 #
4) MA Heptachlor	4.970	4.105	211.4E6	260.1E6	46.205m	59.695 #
5) MB Aldrin	5.312	4.390	232.6E6	262.0E6	50.631m	63.657 #
6) B beta-BHC	4.560	4.045	95126498	119.5E6	46.010	57.587 #
7) B delta-BHC	4.807	4.281	222.2E6	278.0E6	47.785m	63.441 #
8) B Heptachlo...	5.734	4.892	204.1E6	235.6E6	50.956	60.998
9) A Endosulfan I	6.117	5.266	197.8E6	225.6E6	52.078	61.640
10) B gamma-Chl...	5.988	5.145	210.2E6	249.4E6	51.533	61.527
11) B alpha-Chl...	6.069	5.210	207.0E6	241.1E6	50.897	60.560
12) B 4,4'-DDE	6.236	5.396	194.1E6	224.6E6	49.520m	55.236
13) MA Dieldrin	6.390	5.531	194.6E6	246.6E6	50.485	60.643
14) MA Endrin	6.616	5.806	157.5E6	195.3E6	49.442m	53.642
15) B Endosulfa...	6.828	6.095	164.8E6	217.7E6	51.615m	60.631
16) A 4,4'-DDD	6.747	5.947	157.6E6	205.6E6	55.675	62.933
17) MA 4,4'-DDT	7.062	6.200	136.9E6	182.4E6	48.055	53.070m
18) B Endrin al...	6.958	6.273	121.8E6	156.7E6	52.499	59.962
19) B Endosulfa...	7.192	6.495	145.8E6	197.7E6	52.022	59.595m
20) A Methoxychlor	7.533	6.770	64857304	103.4E6	46.488	54.213m
21) B Endrin ke...	7.673	7.002	148.3E6	231.3E6	52.007	65.686 #
22) Mirex	8.155	7.196	118.7E6	164.6E6	49.946	57.098m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050625\
Data File : PL095540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 15:19
Operator : AR\AJ
Sample : Q1936-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

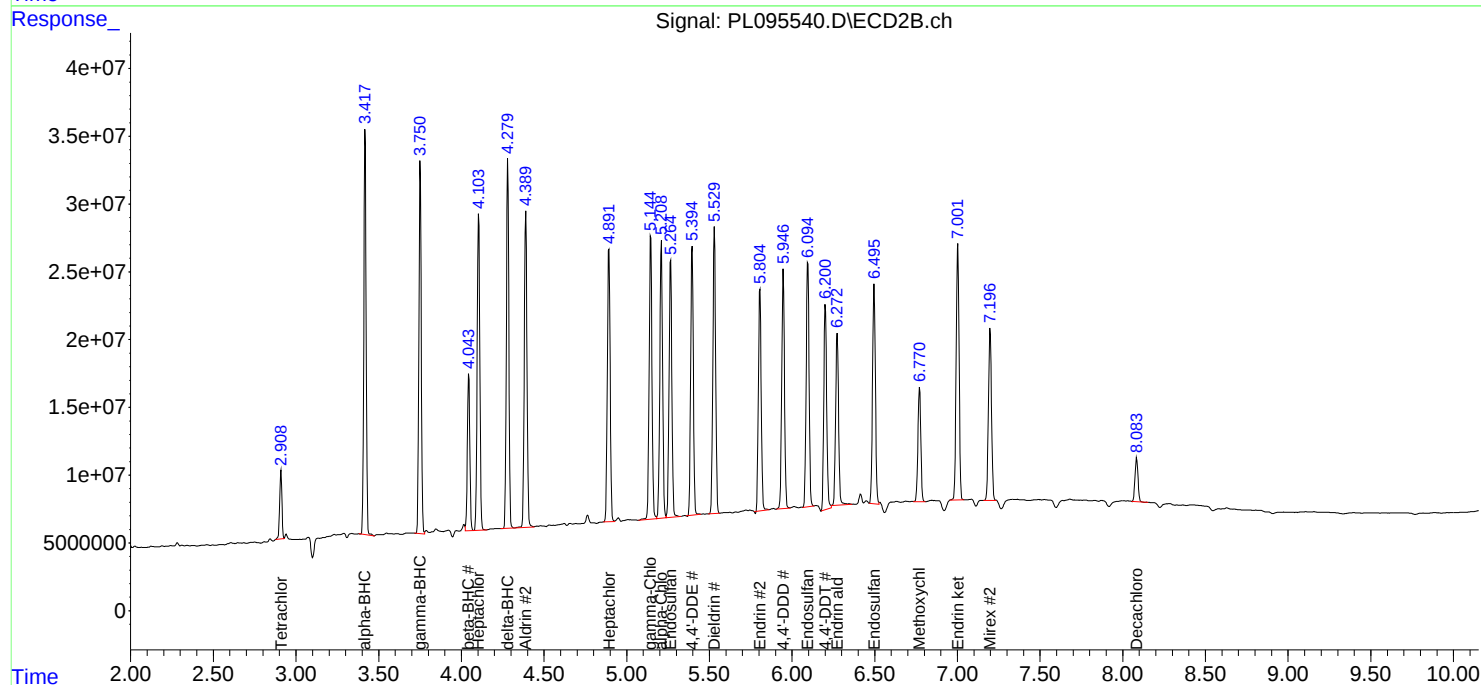
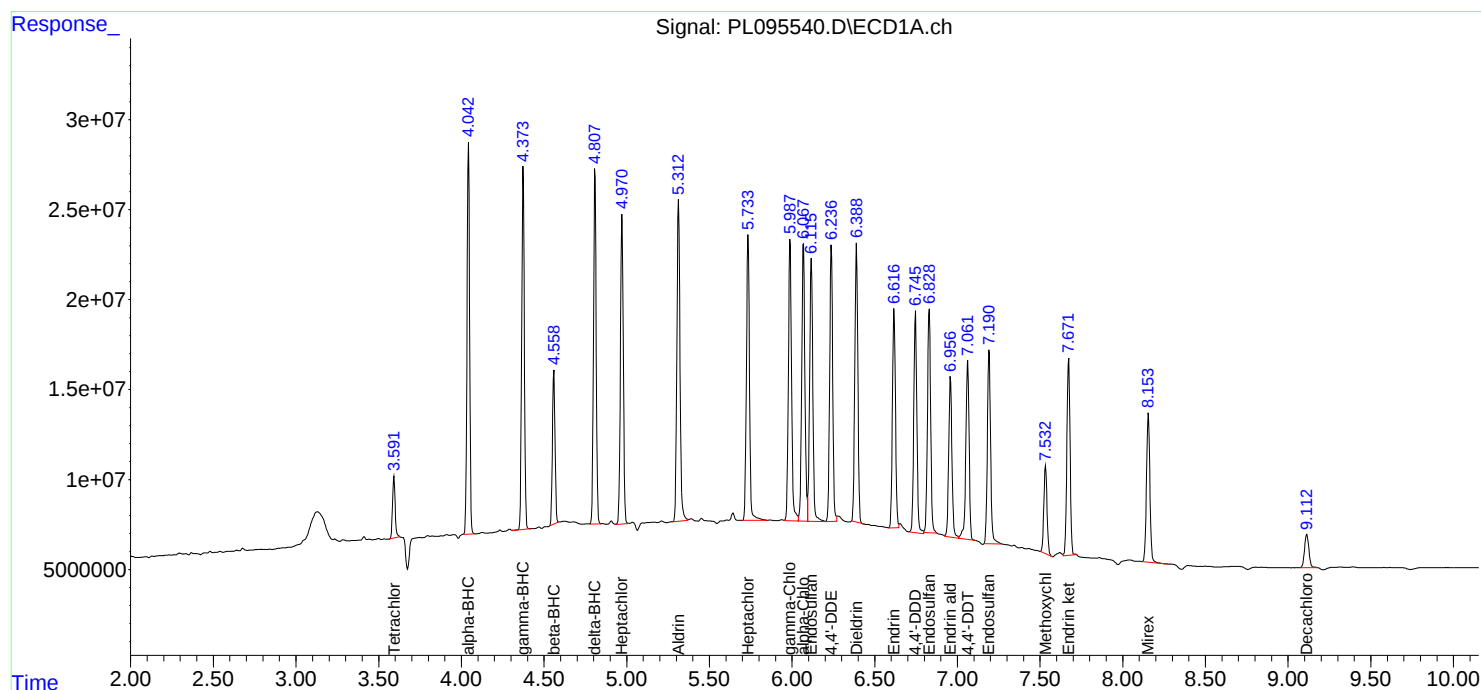
Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

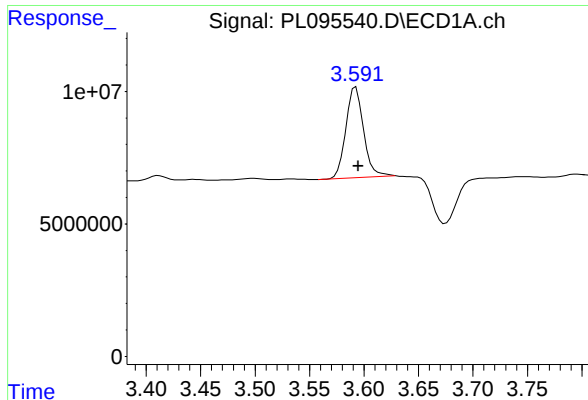
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





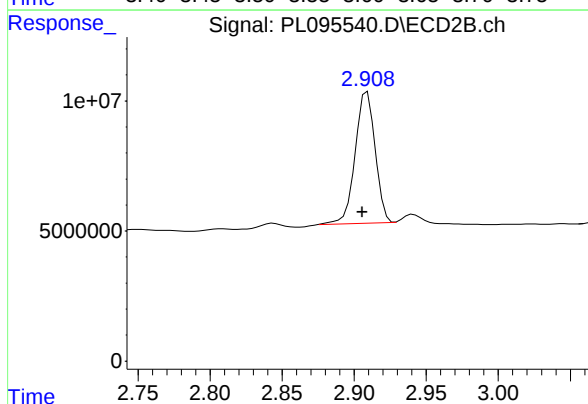
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 38695605
Conc: 11.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

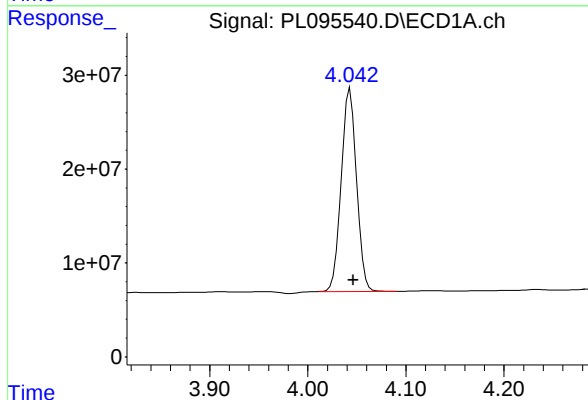
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



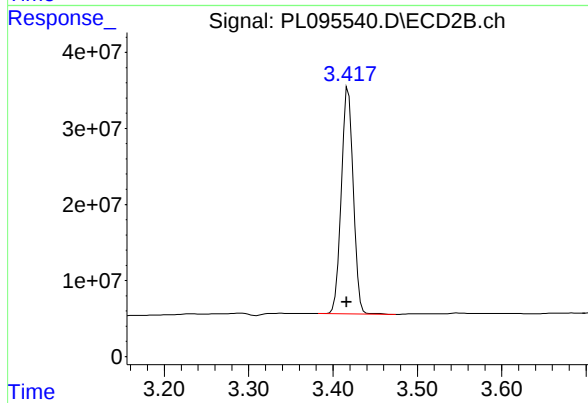
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 48750681
Conc: 15.33 ng/ml



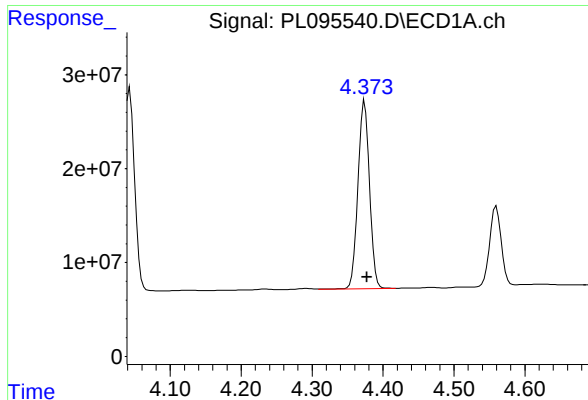
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 235304579
Conc: 47.50 ng/ml



#2 alpha-BHC

R.T.: 3.418 min
Delta R.T.: 0.002 min
Response: 293665685
Conc: 66.01 ng/ml



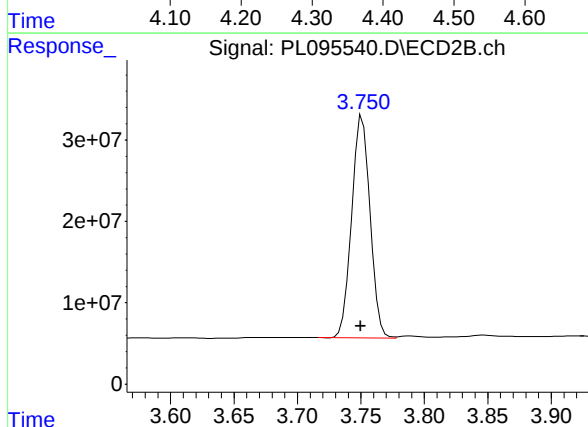
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: -0.003 min
Response: 225799413
Conc: 47.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

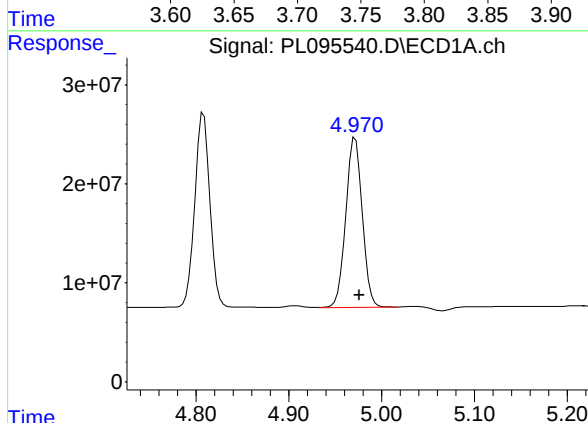
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



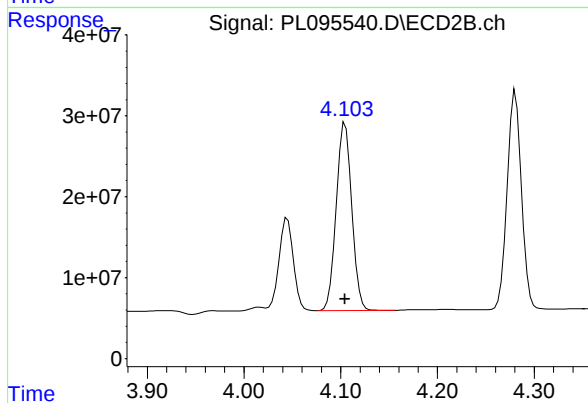
#3 gamma-BHC (Lindane)

R.T.: 3.751 min
Delta R.T.: 0.001 min
Response: 275195636
Conc: 62.57 ng/ml



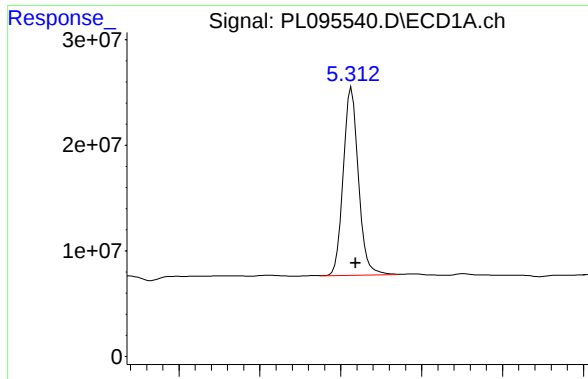
#4 Heptachlor

R.T.: 4.970 min
Delta R.T.: -0.006 min
Response: 211362681
Conc: 46.20 ng/ml m



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 260074107
Conc: 59.70 ng/ml



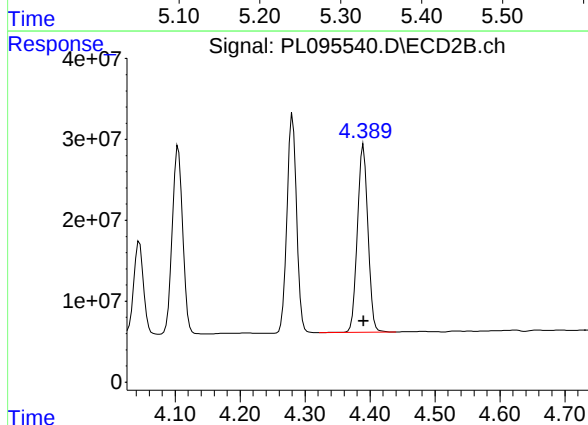
#5 Aldrin

R.T.: 5.312 min
Delta R.T.: -0.006 min
Response: 232551511
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

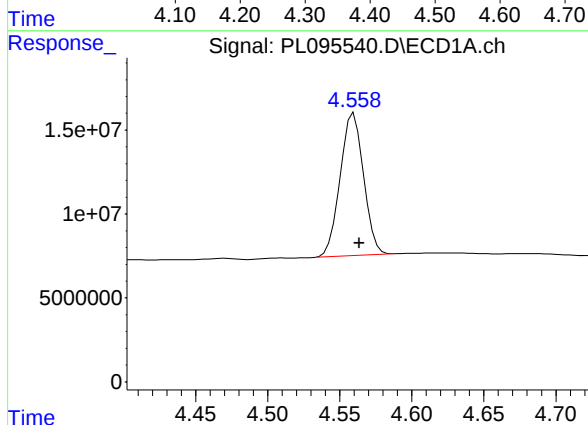
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



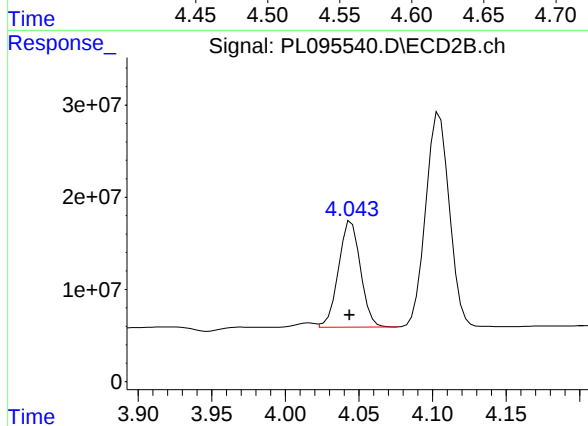
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 261992032
Conc: 63.66 ng/ml



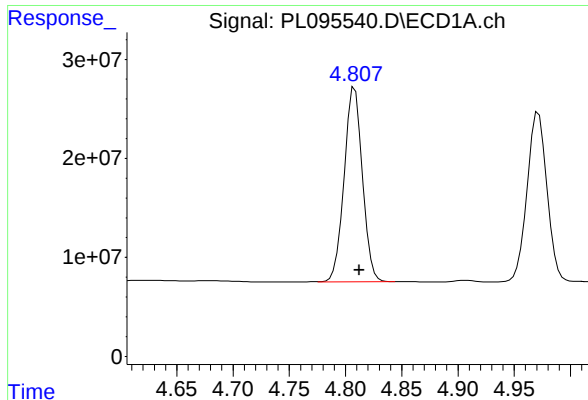
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 95126498
Conc: 46.01 ng/ml



#6 beta-BHC

R.T.: 4.045 min
Delta R.T.: 0.001 min
Response: 119543729
Conc: 57.59 ng/ml



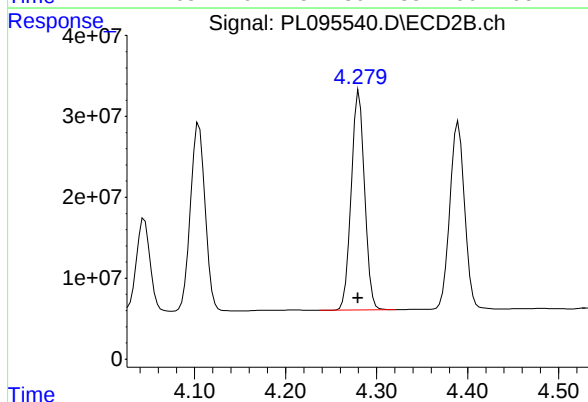
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.006 min
Response: 222233115
Conc: 47.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

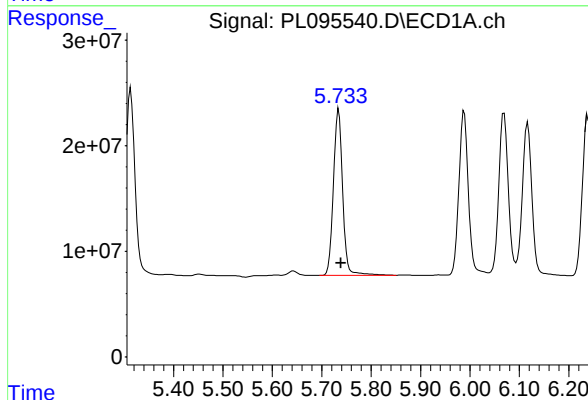
Manual Integrations
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Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



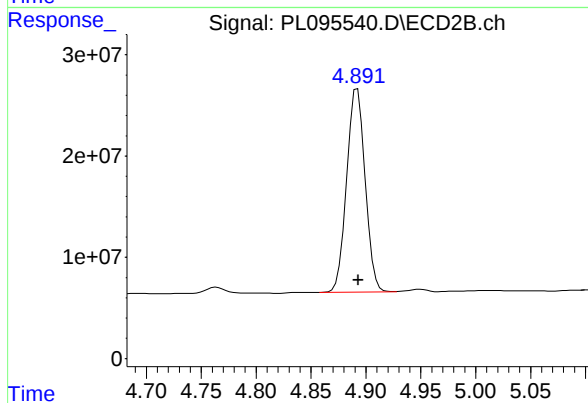
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.001 min
Response: 277994896
Conc: 63.44 ng/ml



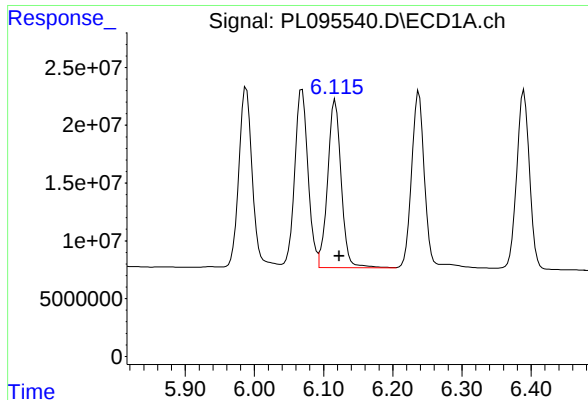
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 204087744
Conc: 50.96 ng/ml



#8 Heptachlor epoxide

R.T.: 4.892 min
Delta R.T.: -0.001 min
Response: 235613138
Conc: 61.00 ng/ml



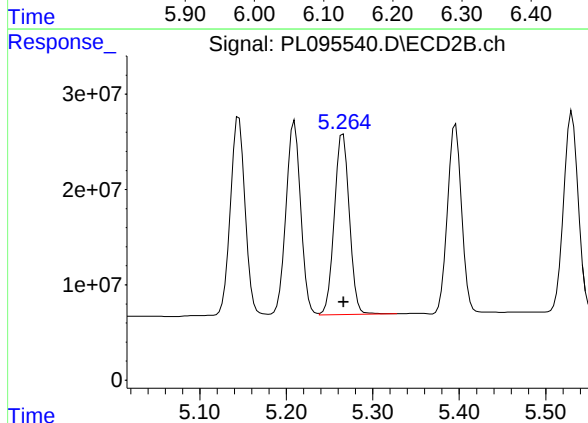
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.006 min
Response: 197765979
Conc: 52.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

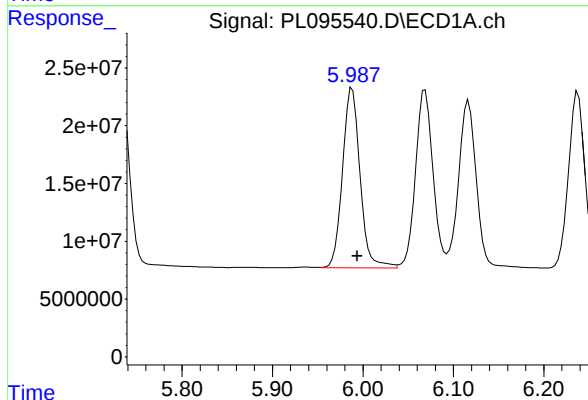
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



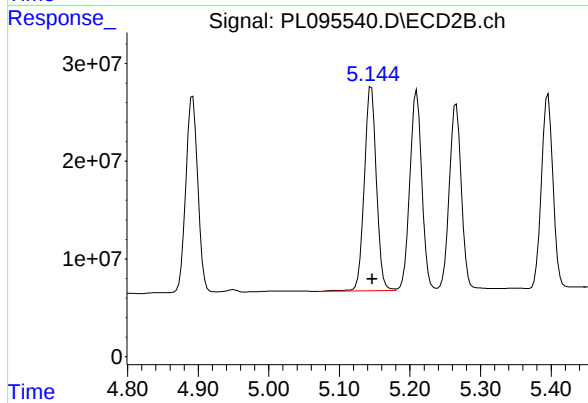
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: -0.001 min
Response: 225627579
Conc: 61.64 ng/ml



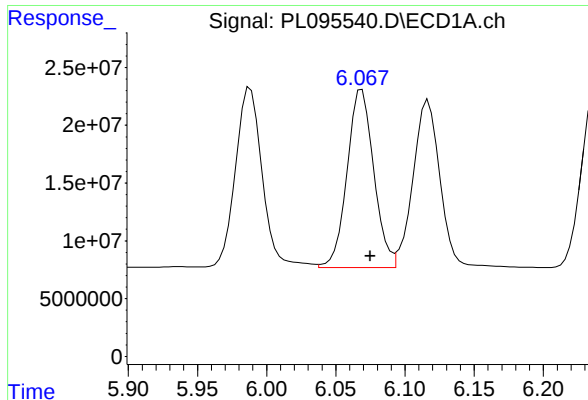
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.005 min
Response: 210219705
Conc: 51.53 ng/ml



#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: -0.001 min
Response: 249350274
Conc: 61.53 ng/ml



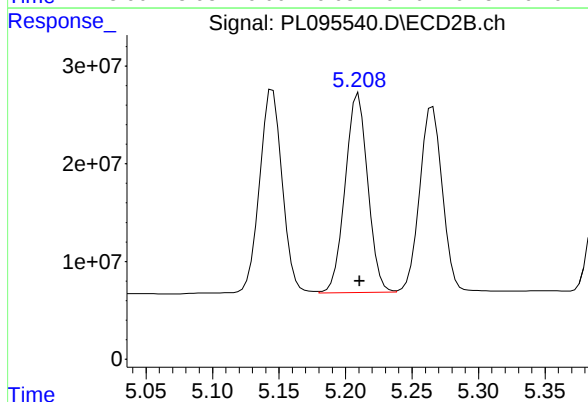
#11 alpha-Chlordane

R.T.: 6.069 min
Delta R.T.: -0.006 min
Response: 206952580
Conc: 50.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

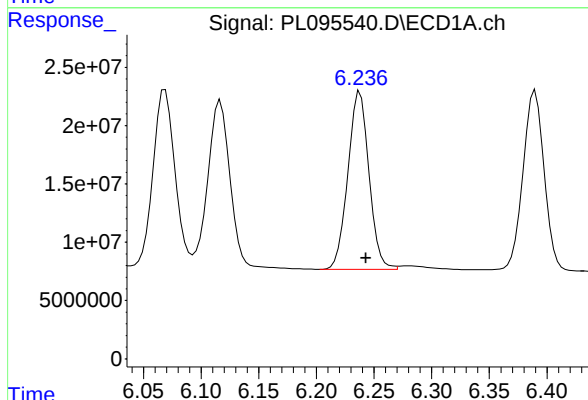
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



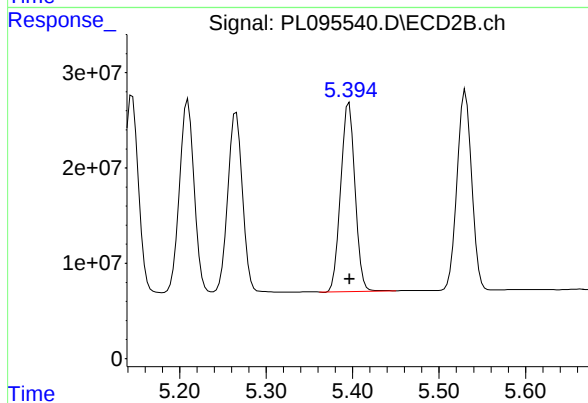
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 241094702
Conc: 60.56 ng/ml



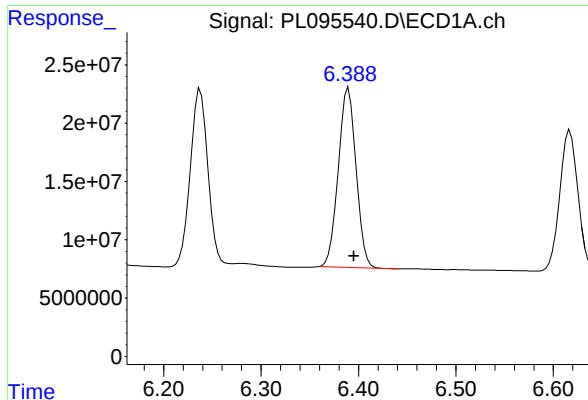
#12 4,4'-DDE

R.T.: 6.236 min
Delta R.T.: -0.007 min
Response: 194144536
Conc: 49.52 ng/ml m



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: -0.001 min
Response: 224644959
Conc: 55.24 ng/ml



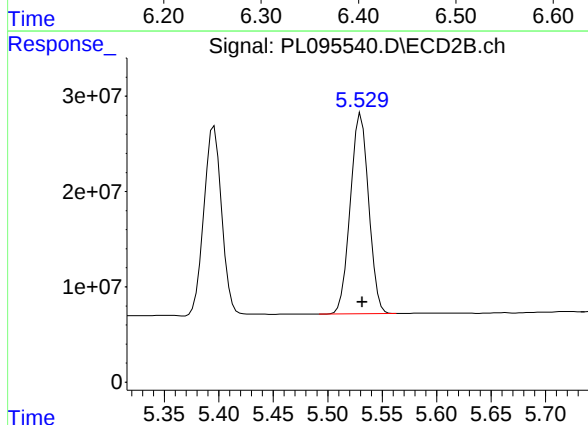
#13 Dieldrin

R.T.: 6.390 min
Delta R.T.: -0.006 min
Response: 194610744
Conc: 50.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

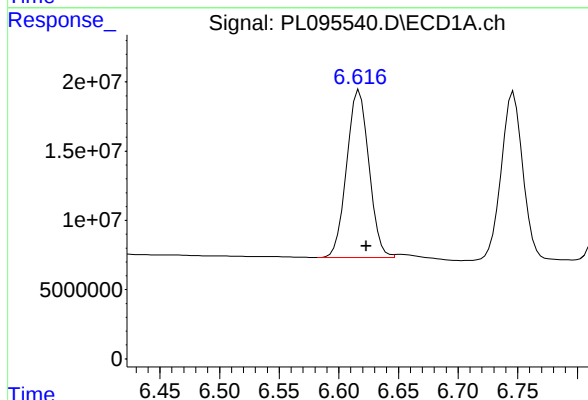
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/08/2025



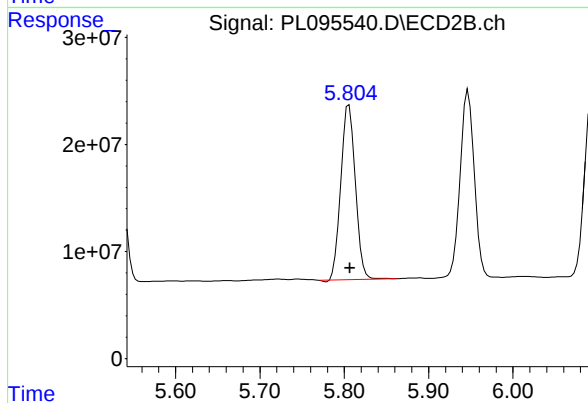
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: -0.001 min
Response: 246638416
Conc: 60.64 ng/ml



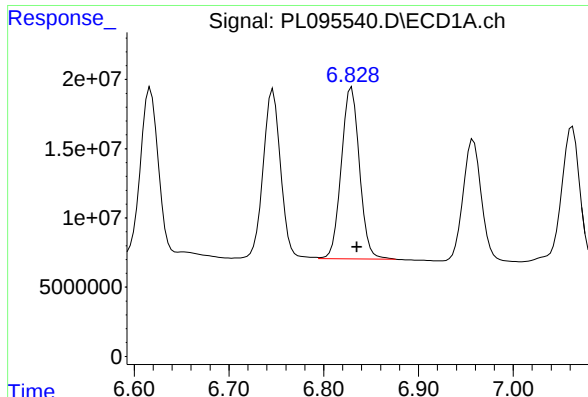
#14 Endrin

R.T.: 6.616 min
Delta R.T.: -0.007 min
Response: 157459585
Conc: 49.44 ng/ml m



#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 195294103
Conc: 53.64 ng/ml



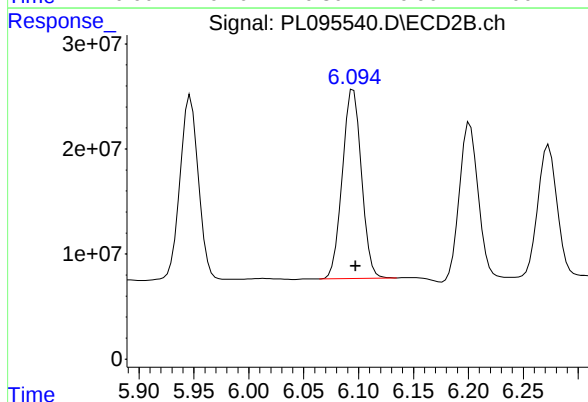
#15 Endosulfan II

R.T.: 6.828 min
Delta R.T.: -0.007 min
Response: 164763326
Conc: 51.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

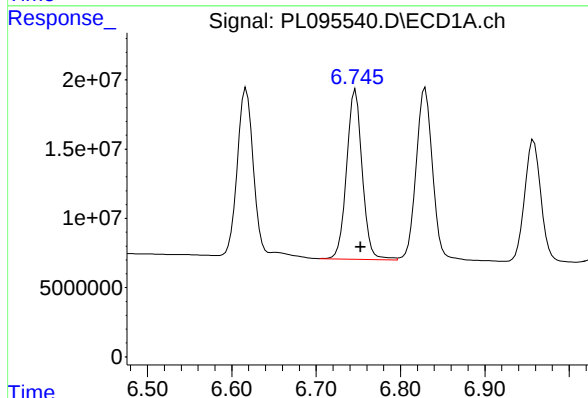
Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



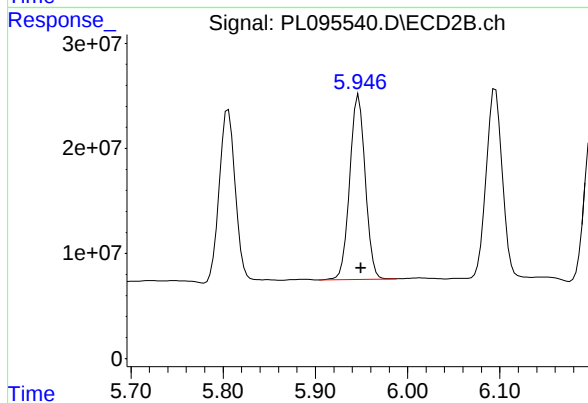
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: -0.002 min
Response: 217732993
Conc: 60.63 ng/ml



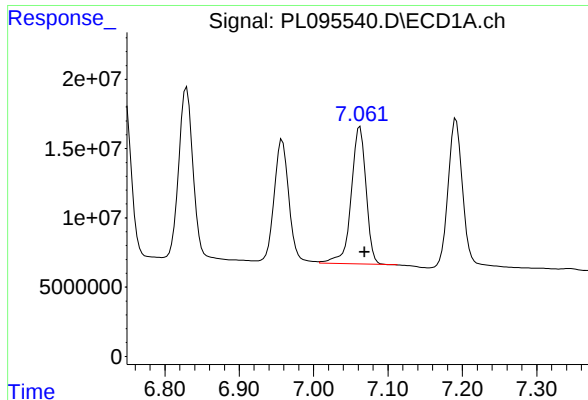
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.006 min
Response: 157612784
Conc: 55.67 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 205588519
Conc: 62.93 ng/ml



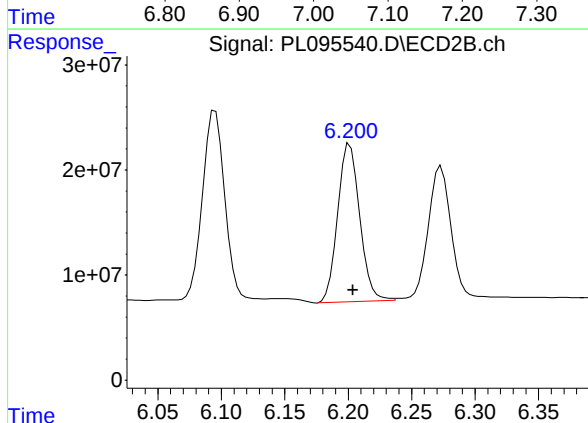
#17 4,4'-DDT

R.T.: 7.062 min
Delta R.T.: -0.006 min
Response: 136889753
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

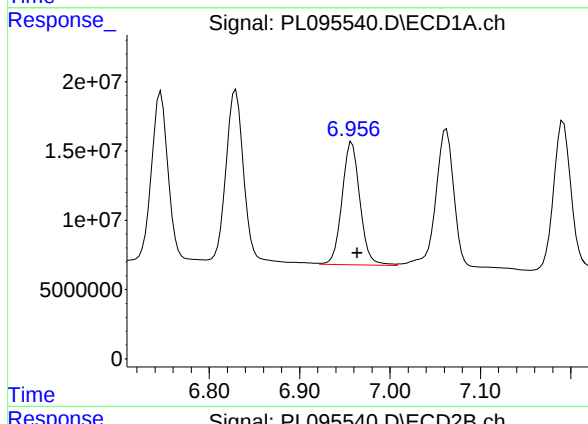
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Supervised By :mohammad ahmed 05/08/2025



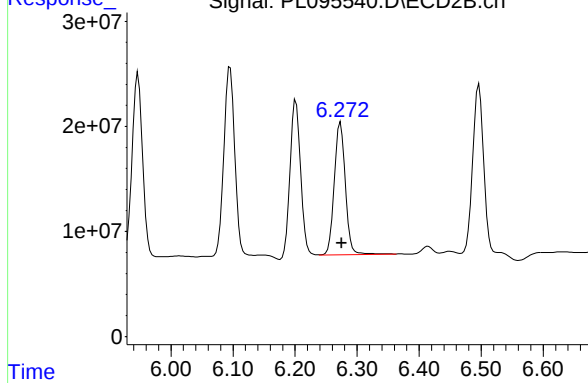
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 182357599
Conc: 53.07 ng/ml



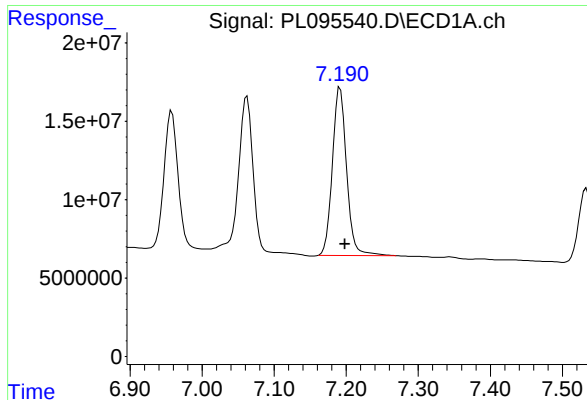
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.006 min
Response: 121838563
Conc: 52.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.273 min
Delta R.T.: -0.002 min
Response: 156690576
Conc: 59.96 ng/ml



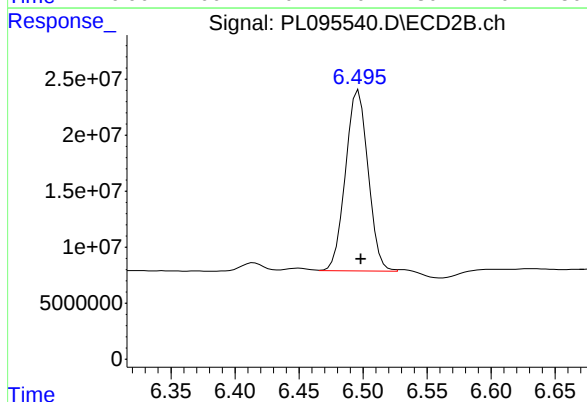
#19 Endosulfan Sulfate

R.T.: 7.192 min
Delta R.T.: -0.007 min
Response: 145754397
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

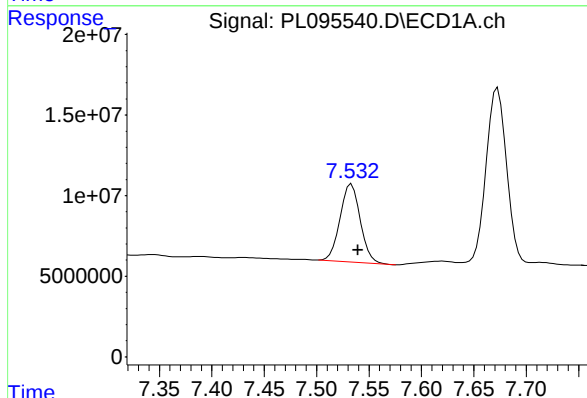
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Supervised By :mohammad ahmed 05/08/2025



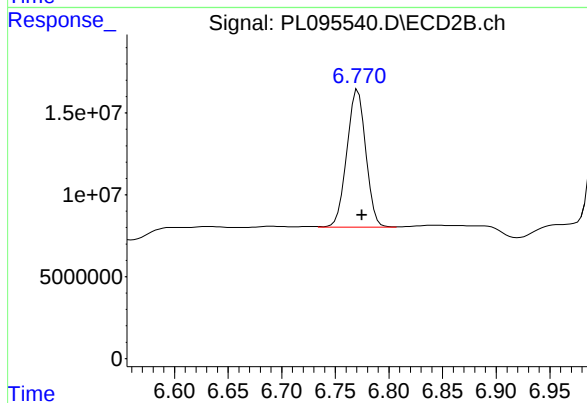
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.003 min
Response: 197733664
Conc: 59.60 ng/ml m



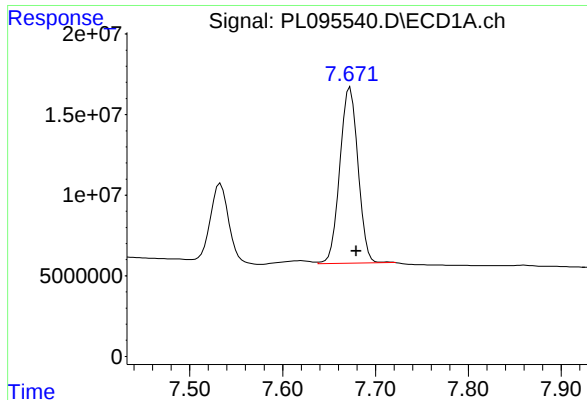
#20 Methoxychlor

R.T.: 7.533 min
Delta R.T.: -0.006 min
Response: 64857304
Conc: 46.49 ng/ml



#20 Methoxychlor

R.T.: 6.770 min
Delta R.T.: -0.005 min
Response: 103407709
Conc: 54.21 ng/ml m



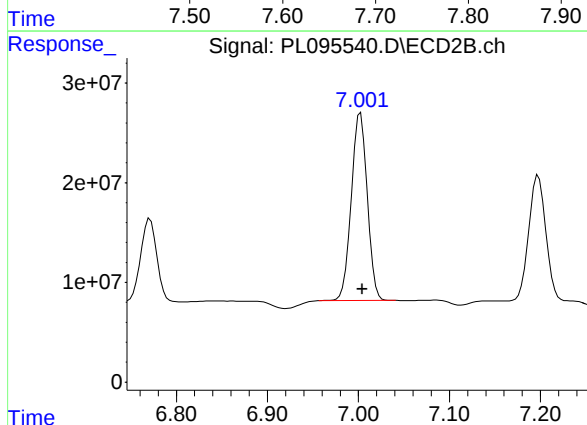
#21 Endrin ketone

R.T.: 7.673 min
Delta R.T.: -0.006 min
Response: 148266179
Conc: 52.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

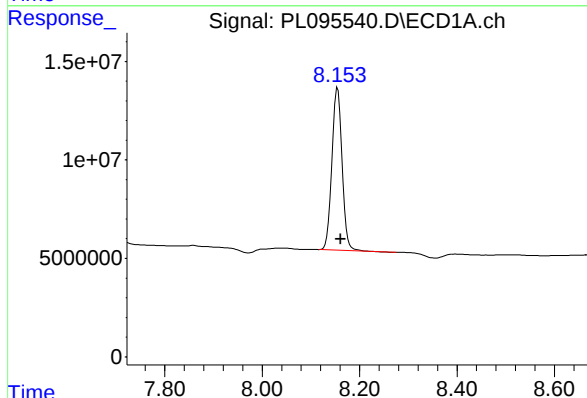
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Supervised By :mohammad ahmed 05/08/2025



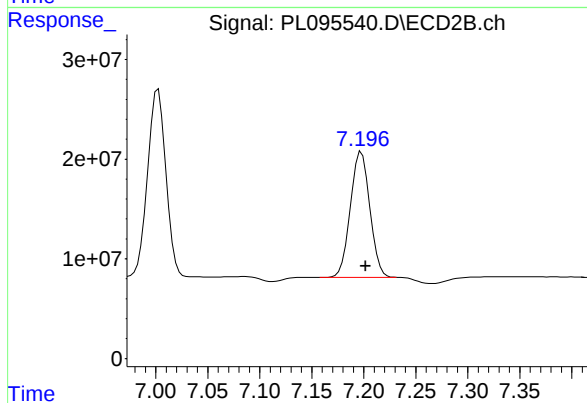
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.002 min
Response: 231300944
Conc: 65.69 ng/ml



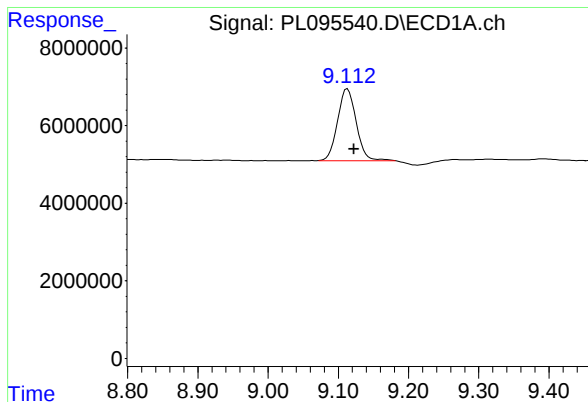
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.006 min
Response: 118674730
Conc: 49.95 ng/ml



#22 Mirex

R.T.: 7.196 min
Delta R.T.: -0.005 min
Response: 164578711
Conc: 57.10 ng/ml m



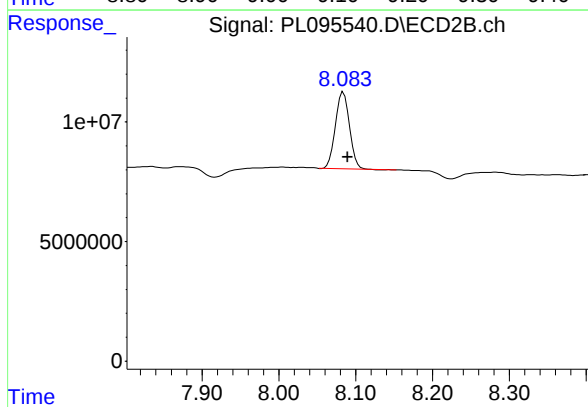
#28 Decachlorobiphenyl

R.T.: 9.113 min
Delta R.T.: -0.009 min
Response: 34079997
Conc: 12.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SMALL-PILE-AMSD

Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 40290352
Conc: 13.61 ng/ml

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095327.D	4,4"-DDD	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	4,4"-DDD #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
RESCHK	PL095328.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:03 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC025	PL095332.D	Mirex #2	Abdul	4/24/2025 8:47:07 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC005	PL095333.D	Mirex #2	Abdul	4/24/2025 8:47:11 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	delta-BHC	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	Mirex #2	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095348.D	Endrin aldehyde	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin aldehyde #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	delta-BHC	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Endrin ketone #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Mirex #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
I.BLK	PL095358.D	Decachlorobiphenyl #2	Abdul	4/24/2025 8:48:33 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	delta-BHC	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software



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Manual Integration Report

Sequence:

pl042325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095359.D	Methoxychlor #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	Mirex #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050625	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095529.D	4,4"-DDD	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	4,4"-DDE	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	4,4"-DDE #2	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	Endrin	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	Endrin aldehyde	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	Endrin aldehyde #2	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095529.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:53:15 AM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095530.D	4,4"-DDD	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095530.D	4,4"-DDE	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095530.D	delta-BHC	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095530.D	Endosulfan II	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095530.D	Endrin	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050625	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095530.D	gamma-BHC (Lindane)	Abdul	5/6/2025 2:52:43 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BL	PL095531.D	Tetrachloro-m-xylene	Abdul	5/6/2025 2:52:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	4,4"-DDE	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	4,4"-DDT #2	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	delta-BHC	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	Dieldrin	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	Endosulfan I	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	gamma-Chlordane #2	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	Methoxychlor #2	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PB167854BS	PL095532.D	Mirex #2	Abdul	5/6/2025 2:52:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	Aldrin	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	delta-BHC	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	Endosulfan Sulfate #2	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050625	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1936-01MS	PL095539.D	gamma-BHC (Lindane)	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	gamma-Chlordane	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	gamma-Chlordane #2	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	Methoxychlor #2	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MS	PL095539.D	Mirex #2	Abdul	5/6/2025 2:52:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	4,4"-DDE	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	4,4"-DDT #2	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Aldrin	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	delta-BHC	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Endosulfan II	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Endosulfan Sulfate #2	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Endrin	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Heptachlor	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050625	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1936-01MSD	PL095540.D	Methoxychlor #2	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1936-01MSD	PL095540.D	Mirex #2	Abdul	5/6/2025 2:53:47 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
I.BLK	PL095545.D	Tetrachloro-m-xylene	Abdul	5/6/2025 2:53:52 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Decachlorobiphenyl #2	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Endrin aldehyde	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Endrin aldehyde #2	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Endrin ketone	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Endrin ketone #2	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	gamma-BHC (Lindane)	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Methoxychlor #2	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PEM	PL095546.D	Tetrachloro-m-xylene	Abdul	5/6/2025 2:53:56 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	4,4"-DDD	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	4,4"-DDE	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050625	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095547.D	4,4"-DDE #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Aldrin #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	delta-BHC	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endosulfan I	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endosulfan II	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endrin	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endrin #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endrin aldehyde	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Endrin ketone #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	gamma-Chlordane	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	gamma-Chlordane #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Heptachlor epoxide	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095547.D	Mirex #2	Abdul	5/6/2025 2:54:00 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1938-01	PL095553.D	alpha-Chlordane	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	alpha-Chlordane #2	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Decachlorobiphenyl	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Decachlorobiphenyl #2	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Dieldrin	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Dieldrin #2	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Endrin	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Endrin #2	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	gamma-Chlordane	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	gamma-Chlordane #2	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-01	PL095553.D	Tetrachloro-m-xylene	Abdul	5/6/2025 2:55:58 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-05	PL095555.D	Decachlorobiphenyl #2	Abdul	5/6/2025 2:57:51 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
Q1938-07	PL095556.D	Tetrachloro-m-xylene #2	Abdul	5/6/2025 2:57:55 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095558.D	4,4"-DDD	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	4,4"-DDE	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Aldrin #2	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	alpha-Chlordane	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	delta-BHC	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Endosulfan I	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Endosulfan II	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Endrin	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Endrin aldehyde	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	gamma-Chlordane	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	gamma-Chlordane #2	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Heptachlor epoxide	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software
PSTDCCC050	PL095558.D	Mirex	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software



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Manual Integration Report

Sequence:

pl050625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095558.D	Mirex #2	Abdul	5/6/2025 2:58:31 PM	mohammad	5/8/2025 2:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL095560.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:35 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	4,4"-DDD	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	4,4"-DDD #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin aldehyde	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin aldehyde #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin ketone	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin ketone #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDD	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDE	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDE #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095562.D	4,4"-DDT	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Aldrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	alpha-Chlordane	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	delta-BHC	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Dieldrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endosulfan I	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endosulfan II	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin aldehyde	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin ketone #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	gamma-Chlordane	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095562.D	Heptachlor epoxide	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Methoxychlor #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Mirex #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
I.BLK	PL095566.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:49 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	delta-BHC	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	Mirex #2	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1938-03	PL095568.D	alpha-Chlordane	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1938-03	PL095568.D	alpha-Chlordane #2	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1938-03	PL095568.D	Decachlorobiphenyl	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1938-03	PL095568.D	Methoxychlor	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1938-03	PL095568.D	Methoxychlor #2	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

Manual Integration Report

Sequence:

pl050725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1938-03	PL095568.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:52 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
I.BLK	PL095576.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:51:05 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	delta-BHC	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	Endosulfan I	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	Mirex #2	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 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	PL095325.D	23 Apr 2025 10:36	AR\AJ	Ok
2	I.BLK	PL095326.D	23 Apr 2025 10:50	AR\AJ	Ok
3	PEM	PL095327.D	23 Apr 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PL095328.D	23 Apr 2025 11:18	AR\AJ	Ok,M
5	PSTDICC100	PL095329.D	23 Apr 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PL095330.D	23 Apr 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PL095331.D	23 Apr 2025 11:59	AR\AJ	Ok
8	PSTDICC025	PL095332.D	23 Apr 2025 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL095333.D	23 Apr 2025 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40	AR\AJ	Ok
11	PCHLORICC750	PL095335.D	23 Apr 2025 12:53	AR\AJ	Ok
12	PCHLORICC500	PL095336.D	23 Apr 2025 13:07	AR\AJ	Ok
13	PCHLORICC250	PL095337.D	23 Apr 2025 13:21	AR\AJ	Ok
14	PCHLORICC050	PL095338.D	23 Apr 2025 13:51	AR\AJ	Ok,M
15	PTOXICC1000	PL095339.D	23 Apr 2025 14:04	AR\AJ	Ok
16	PTOXICC750	PL095340.D	23 Apr 2025 14:18	AR\AJ	Ok
17	PTOXICC500	PL095341.D	23 Apr 2025 14:32	AR\AJ	Ok
18	PTOXICC250	PL095342.D	23 Apr 2025 14:45	AR\AJ	Ok
19	PTOXICC100	PL095343.D	23 Apr 2025 14:59	AR\AJ	Ok,M
20	PSTDICV050	PL095344.D	23 Apr 2025 15:13	AR\AJ	Ok,M
21	PCHLORICV500	PL095345.D	23 Apr 2025 16:10	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 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	PL095346.D	23 Apr 2025 16:24	AR\AJ	Ok
23	I.BLK	PL095347.D	23 Apr 2025 16:38	AR\AJ	Ok
24	PEM	PL095348.D	23 Apr 2025 16:52	AR\AJ	Ok,M
25	PSTDCCC050	PL095349.D	23 Apr 2025 17:05	AR\AJ	Ok,M
26	PB167688BL	PL095350.D	23 Apr 2025 17:19	AR\AJ	Ok
27	PB167688BS	PL095351.D	23 Apr 2025 17:33	AR\AJ	Not Ok
28	Q1848-01	PL095352.D	23 Apr 2025 17:46	AR\AJ	Ok,M
29	Q1848-03	PL095353.D	23 Apr 2025 18:00	AR\AJ	Ok,M
30	Q1848-03MS	PL095354.D	23 Apr 2025 18:14	AR\AJ	Ok,M
31	Q1848-03MSD	PL095355.D	23 Apr 2025 18:28	AR\AJ	Ok,M
32	Q1848-05	PL095356.D	23 Apr 2025 18:41	AR\AJ	Ok,M
33	Q1850-01	PL095357.D	23 Apr 2025 18:55	AR\AJ	Ok,M
34	I.BLK	PL095358.D	23 Apr 2025 19:23	AR\AJ	Ok,M
35	PSTDCCC050	PL095359.D	23 Apr 2025 19:50	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050625

Review By	yogesh	Review On	5/7/2025 9:52:42 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:14:46 AM
SubDirectory	PL050625	HP Acquire Method	HP Processing Method pl042325 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	I.BLK	PL095528.D	05 May 2025 08:14	AR\AJ	Ok
2	PEM	PL095529.D	05 May 2025 09:21	AR\AJ	Ok,M
3	PSTDCCC050	PL095530.D	05 May 2025 09:35	AR\AJ	Ok,M
4	PB167854BL	PL095531.D	05 May 2025 12:37	AR\AJ	Ok,M
5	PB167854BS	PL095532.D	05 May 2025 13:25	AR\AJ	Ok,M
6	Q1946-01	PL095533.D	05 May 2025 13:43	AR\AJ	Ok
7	Q1947-01	PL095534.D	05 May 2025 13:57	AR\AJ	Ok
8	Q1947-05	PL095535.D	05 May 2025 14:10	AR\AJ	Ok
9	Q1951-01	PL095536.D	05 May 2025 14:24	AR\AJ	Ok
10	Q1952-01	PL095537.D	05 May 2025 14:38	AR\AJ	Ok,M
11	Q1936-01	PL095538.D	05 May 2025 14:52	AR\AJ	Ok
12	Q1936-01MS	PL095539.D	05 May 2025 15:06	AR\AJ	Ok,M
13	Q1936-01MSD	PL095540.D	05 May 2025 15:19	AR\AJ	Ok,M
14	Q1936-03	PL095541.D	05 May 2025 16:01	AR\AJ	Ok
15	Q1936-05	PL095542.D	05 May 2025 16:15	AR\AJ	Ok,M
16	Q1936-07	PL095543.D	05 May 2025 16:28	AR\AJ	Ok
17	Q1937-01	PL095544.D	05 May 2025 16:42	AR\AJ	Ok
18	I.BLK	PL095545.D	05 May 2025 16:56	AR\AJ	Ok,M
19	PEM	PL095546.D	05 May 2025 18:25	AR\AJ	Ok,M
20	PSTDCCC050	PL095547.D	05 May 2025 18:39	AR\AJ	Ok,M
21	Q1937-03	PL095548.D	05 May 2025 19:07	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL050625

Review By	yogesh	Review On	5/7/2025 9:52:42 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:14:46 AM
SubDirectory	PL050625	HP Acquire Method	HP Processing Method pl042325 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	Q1937-05	PL095549.D	05 May 2025 19:21	AR\AJ	Ok
23	Q1937-07	PL095550.D	05 May 2025 19:34	AR\AJ	Ok,M
24	Q1937-09	PL095551.D	05 May 2025 19:48	AR\AJ	Ok,M
25	Q1937-11	PL095552.D	05 May 2025 20:02	AR\AJ	Ok,M
26	Q1938-01	PL095553.D	05 May 2025 20:16	AR\AJ	Ok,M
27	Q1938-03	PL095554.D	05 May 2025 20:29	AR\AJ	Not Ok
28	Q1938-05	PL095555.D	05 May 2025 20:43	AR\AJ	Ok,M
29	Q1938-07	PL095556.D	05 May 2025 20:57	AR\AJ	Ok,M
30	I.BLK	PL095557.D	05 May 2025 21:11	AR\AJ	Ok
31	PSTDCCC050	PL095558.D	05 May 2025 21:25	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM
SubDirectory	PL050725	HP Acquire Method	HP Processing Method pl042325 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	PL095559.D	06 May 2025 09:59	AR\AJ	Ok
2	I.BLK	PL095560.D	06 May 2025 10:13	AR\AJ	Ok,M
3	PEM	PL095561.D	06 May 2025 12:38	AR\AJ	Ok,M
4	PSTDCCC050	PL095562.D	06 May 2025 12:51	AR\AJ	Ok,M
5	PB167878BL	PL095563.D	06 May 2025 13:56	AR\AJ	Ok,M
6	PB167878BS	PL095564.D	06 May 2025 14:26	AR\AJ	Ok,M
7	Q1961-01	PL095565.D	06 May 2025 14:42	AR\AJ	Ok,M
8	I.BLK	PL095566.D	06 May 2025 14:56	AR\AJ	Ok,M
9	PSTDCCC050	PL095567.D	06 May 2025 16:37	AR\AJ	Ok,M
10	Q1938-03	PL095568.D	06 May 2025 16:55	AR\AJ	Ok,M
11	Q1962-01	PL095569.D	06 May 2025 17:09	AR\AJ	Ok,M
12	Q1960-02	PL095570.D	06 May 2025 17:23	AR\AJ	Ok,M
13	Q1956-01	PL095571.D	06 May 2025 17:36	AR\AJ	Ok
14	Q1956-02	PL095572.D	06 May 2025 17:50	AR\AJ	Ok,M
15	Q1956-03MS	PL095573.D	06 May 2025 18:04	AR\AJ	Ok,M
16	Q1956-04MSD	PL095574.D	06 May 2025 18:17	AR\AJ	Ok,M
17	Q1956-06	PL095575.D	06 May 2025 18:31	AR\AJ	Ok,M
18	I.BLK	PL095576.D	06 May 2025 18:45	AR\AJ	Ok,M
19	PSTDCCC050	PL095577.D	06 May 2025 18:58	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method
			pl042325 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	PL095325.D	23 Apr 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PL095326.D	23 Apr 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PL095327.D	23 Apr 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095328.D	23 Apr 2025 11:18		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095329.D	23 Apr 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095330.D	23 Apr 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095331.D	23 Apr 2025 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095332.D	23 Apr 2025 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095333.D	23 Apr 2025 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095335.D	23 Apr 2025 12:53		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095336.D	23 Apr 2025 13:07		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095337.D	23 Apr 2025 13:21		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095338.D	23 Apr 2025 13:51		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095339.D	23 Apr 2025 14:04		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095340.D	23 Apr 2025 14:18		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095341.D	23 Apr 2025 14:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095342.D	23 Apr 2025 14:45		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 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	PL095343.D	23 Apr 2025 14:59		AR\AJ	Ok,M
20	PSTDICV050	ICVPL042325	PL095344.D	23 Apr 2025 15:13		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL042325CHLOR	PL095345.D	23 Apr 2025 16:10		AR\AJ	Ok
22	PTOXICV500	ICVPL042325TOX	PL095346.D	23 Apr 2025 16:24		AR\AJ	Ok
23	I.BLK	I.BLK	PL095347.D	23 Apr 2025 16:38		AR\AJ	Ok
24	PEM	PEM	PL095348.D	23 Apr 2025 16:52		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL095349.D	23 Apr 2025 17:05		AR\AJ	Ok,M
26	PB167688BL	PB167688BL	PL095350.D	23 Apr 2025 17:19		AR\AJ	Ok
27	PB167688BS	PB167688BS	PL095351.D	23 Apr 2025 17:33	Endrin ketone recovery high	AR\AJ	Not Ok
28	Q1848-01	RBR200027	PL095352.D	23 Apr 2025 17:46		AR\AJ	Ok,M
29	Q1848-03	ETGI-275	PL095353.D	23 Apr 2025 18:00	DCB Low in 1st column	AR\AJ	Ok,M
30	Q1848-03MS	ETGI-275MS	PL095354.D	23 Apr 2025 18:14	Some compound recovery fail	AR\AJ	Ok,M
31	Q1848-03MSD	ETGI-275MSD	PL095355.D	23 Apr 2025 18:28	DCB Low in 1st column , Some compound recovery fail , RPD Fail	AR\AJ	Ok,M
32	Q1848-05	ETGI-342	PL095356.D	23 Apr 2025 18:41	DCB Low in 1st column	AR\AJ	Ok,M
33	Q1850-01	CONCRETE-PILE-N-C	PL095357.D	23 Apr 2025 18:55		AR\AJ	Ok,M
34	I.BLK	I.BLK	PL095358.D	23 Apr 2025 19:23		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL095359.D	23 Apr 2025 19:50		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050625

Review By	yogesh	Review On	5/7/2025 9:52:42 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:14:46 AM
SubDirectory	PL050625	HP Acquire Method	HP Processing Method
			pl042325 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	I.BLK	I.BLK	PL095528.D	05 May 2025 08:14		AR\AJ	Ok
2	PEM	PEM	PL095529.D	05 May 2025 09:21		AR\AJ	Ok,M
3	PSTDCCC050	PSTDCCC050	PL095530.D	05 May 2025 09:35		AR\AJ	Ok,M
4	PB167854BL	PB167854BL	PL095531.D	05 May 2025 12:37		AR\AJ	Ok,M
5	PB167854BS	PB167854BS	PL095532.D	05 May 2025 13:25		AR\AJ	Ok,M
6	Q1946-01	BB-CONCRETE	PL095533.D	05 May 2025 13:43		AR\AJ	Ok
7	Q1947-01	MH-P	PL095534.D	05 May 2025 13:57		AR\AJ	Ok
8	Q1947-05	MH-O	PL095535.D	05 May 2025 14:10		AR\AJ	Ok
9	Q1951-01	MH-KK	PL095536.D	05 May 2025 14:24		AR\AJ	Ok
10	Q1952-01	CLEAN-FILL	PL095537.D	05 May 2025 14:38		AR\AJ	Ok,M
11	Q1936-01	SMALL-PILE-A	PL095538.D	05 May 2025 14:52		AR\AJ	Ok
12	Q1936-01MS	SMALL-PILE-AMS	PL095539.D	05 May 2025 15:06	Endrin ketone recovery high	AR\AJ	Ok,M
13	Q1936-01MSD	SMALL-PILE-AMSD	PL095540.D	05 May 2025 15:19	Endrin ketone recovery high	AR\AJ	Ok,M
14	Q1936-03	SMALL-PILE-B	PL095541.D	05 May 2025 16:01		AR\AJ	Ok
15	Q1936-05	SMALL-PILE-C	PL095542.D	05 May 2025 16:15		AR\AJ	Ok,M
16	Q1936-07	SMALL-PILE-D	PL095543.D	05 May 2025 16:28		AR\AJ	Ok
17	Q1937-01	LARGE-PILE-A	PL095544.D	05 May 2025 16:42		AR\AJ	Ok
18	I.BLK	I.BLK	PL095545.D	05 May 2025 16:56		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050625

Review By	yogesh	Review On	5/7/2025 9:52:42 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:14:46 AM
SubDirectory	PL050625	HP Acquire Method	HP Processing Method pl042325 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	PEM	PEM	PL095546.D	05 May 2025 18:25		AR\AJ	Ok,M
20	PSTDCCC050	PSTDCCC050	PL095547.D	05 May 2025 18:39		AR\AJ	Ok,M
21	Q1937-03	LARGE-PILE-B	PL095548.D	05 May 2025 19:07		AR\AJ	Ok
22	Q1937-05	LARGE-PILE-C	PL095549.D	05 May 2025 19:21		AR\AJ	Ok
23	Q1937-07	LARGE-PILE-D	PL095550.D	05 May 2025 19:34		AR\AJ	Ok,M
24	Q1937-09	LARGE-PILE-E	PL095551.D	05 May 2025 19:48		AR\AJ	Ok,M
25	Q1937-11	LARGE-PILE-F	PL095552.D	05 May 2025 20:02		AR\AJ	Ok,M
26	Q1938-01	LOWER-WALL-PILE-A	PL095553.D	05 May 2025 20:16		AR\AJ	Ok,M
27	Q1938-03	LOWER-WALL-PILE-B	PL095554.D	05 May 2025 20:29	F flag TCX	AR\AJ	Not Ok
28	Q1938-05	LOWER-WALL-PILE-C	PL095555.D	05 May 2025 20:43		AR\AJ	Ok,M
29	Q1938-07	LOWER-WALL-PILE-D	PL095556.D	05 May 2025 20:57		AR\AJ	Ok,M
30	I.BLK	I.BLK	PL095557.D	05 May 2025 21:11		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL095558.D	05 May 2025 21:25		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM
SubDirectory	PL050725	HP Acquire Method	HP Processing Method p1042325 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	PL095559.D	06 May 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL095560.D	06 May 2025 10:13		AR\AJ	Ok,M
3	PEM	PEM	PL095561.D	06 May 2025 12:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095562.D	06 May 2025 12:51		AR\AJ	Ok,M
5	PB167878BL	PB167878BL	PL095563.D	06 May 2025 13:56		AR\AJ	Ok,M
6	PB167878BS	PB167878BS	PL095564.D	06 May 2025 14:26		AR\AJ	Ok,M
7	Q1961-01	EO-01-050525	PL095565.D	06 May 2025 14:42		AR\AJ	Ok,M
8	I.BLK	I.BLK	PL095566.D	06 May 2025 14:56		AR\AJ	Ok,M
9	PSTDCCC050	PSTDCCC050	PL095567.D	06 May 2025 16:37		AR\AJ	Ok,M
10	Q1938-03	LOWER-WALL-PILE-B	PL095568.D	06 May 2025 16:55		AR\AJ	Ok,M
11	Q1962-01	HD-01-050525	PL095569.D	06 May 2025 17:09		AR\AJ	Ok,M
12	Q1960-02	72-11933	PL095570.D	06 May 2025 17:23		AR\AJ	Ok,M
13	Q1956-01	SB1-3-4	PL095571.D	06 May 2025 17:36		AR\AJ	Ok
14	Q1956-02	SB2-4-5	PL095572.D	06 May 2025 17:50		AR\AJ	Ok,M
15	Q1956-03MS	SB2-4-5MS	PL095573.D	06 May 2025 18:04		AR\AJ	Ok,M
16	Q1956-04MSD	SB2-4-5MSD	PL095574.D	06 May 2025 18:17		AR\AJ	Ok,M
17	Q1956-06	SB91-3-4	PL095575.D	06 May 2025 18:31		AR\AJ	Ok,M
18	I.BLK	I.BLK	PL095576.D	06 May 2025 18:45		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM				
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM				
SubDirectory	PL050725	HP Acquire Method	HP Processing Method		pl042325 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	PSTDCCC050	PSTDCCC050	PL095577.D	06 May 2025 18:58		AR\AJ	Ok,M
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M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1913-01	WC-12-S-202504	1	1.18	10.32	11.5	9.49	80.5	
Q1913-03	WC-13-S-202504	2	1.19	10.37	11.56	9.83	83.3	
Q1936-01	SMALL-PILE-A	33	1.15	9.94	11.09	10.18	90.8	
Q1936-02	SMALL-PILE-A	34	1.17	9.94	11.11	10.22	91.0	
Q1936-03	SMALL-PILE-B	35	1.18	10.39	11.57	10.93	93.8	
Q1936-04	SMALL-PILE-B	36	1.18	9.88	11.06	10.44	93.7	
Q1936-05	SMALL-PILE-C	37	1.15	10.03	11.18	10.9	97.2	
Q1936-06	SMALL-PILE-C	38	1.15	10.25	11.4	11.01	96.2	
Q1936-07	SMALL-PILE-D	39	1.16	10.41	11.57	10.97	94.2	
Q1936-08	SMALL-PILE-D	40	1.18	9.96	11.14	10.55	94.1	
Q1937-01	LARGE-PILE-A	41	1.15	10.13	11.28	10.7	94.3	
Q1937-02	LARGE-PILE-A	42	1.18	9.58	10.76	10.2	94.2	
Q1937-03	LARGE-PILE-B	43	1.15	10.03	11.18	10.82	96.4	
Q1937-04	LARGE-PILE-B	44	1.17	10.04	11.21	10.72	95.1	
Q1937-05	LARGE-PILE-C	45	1.16	10.19	11.35	10.83	94.9	
Q1937-06	LARGE-PILE-C	46	1.19	10.06	11.25	10.63	93.8	
Q1937-07	LARGE-PILE-D	47	1.18	10.33	11.51	10.95	94.6	
Q1937-08	LARGE-PILE-D	48	1.17	9.75	10.92	10.33	93.9	
Q1937-09	LARGE-PILE-E	49	1.16	10.14	11.3	10.52	92.3	
Q1937-10	LARGE-PILE-E	50	1.18	10.30	11.48	10.76	93.0	
Q1937-11	LARGE-PILE-F	51	1.18	10.48	11.66	10.58	89.7	
Q1937-12	LARGE-PILE-F	52	1.18	10.25	11.43	10.44	90.3	
Q1938-01	LOWER-WALL-PILE-A	53	1.15	10.33	11.48	10.77	93.1	
Q1938-02	LOWER-WALL-PILE-A	54	1.17	10.50	11.67	10.71	90.9	
Q1938-03	LOWER-WALL-PILE-B	55	1.14	10.15	11.29	10.94	96.6	
Q1938-04	LOWER-WALL-PILE-B	56	1.18	9.90	11.08	10.68	96.0	
Q1938-05	LOWER-WALL-PILE-C	57	1.17	10.23	11.4	11.07	96.8	
Q1938-06	LOWER-WALL-PILE-C	58	1.12	9.82	10.94	10.7	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1938-07	LOWER-WALL-PILE-D	59	1.19	10.01	11.2	10.7	95.0	
Q1938-08	LOWER-WALL-PILE-D	60	1.17	10.23	11.4	10.86	94.7	
Q1942-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q1942-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1942-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1942-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1942-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1942-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1942-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1942-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1942-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1942-14	PCB-GCP2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1944-01	MELTED-RUBBER-SAMPLE	13	1.00	1.00	2.00	2.00	100.0	MELTED-RUBBER-SAMPLE
Q1946-01	BB-CONCRETE	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1946-02	BB-CONCRETE	15	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1947-01	MH-P	16	1.18	10.19	11.37	9.28	79.5	
Q1947-02	MH-P-EPH	17	1.15	10.84	11.99	10.64	87.5	
Q1947-03	MH-P-VOC	18	1.16	10.71	11.87	10.5	87.2	
Q1947-05	MH-O	19	1.14	10.59	11.73	10.52	88.6	
Q1947-06	MH-O-EPH	20	1.12	10.00	11.12	9.91	87.9	
Q1947-07	MH-O-VOC	21	1.17	10.00	11.17	9.95	87.8	
Q1951-01	MH-KK	22	1.18	10.40	11.58	10.01	84.9	
Q1951-02	MH-KK-EPH	23	1.16	10.29	11.45	9.91	85.0	
Q1951-03	MH-KK-VOC	24	1.17	10.25	11.42	9.86	84.8	
Q1952-01	CLEAN-FILL	25	1.18	10.49	11.67	8.98	74.4	
Q1952-02	CLEAN-FILL-E2	26	1.13	10.10	11.23	8.47	72.7	
Q1953-01	AUD-25-0075	27	1.00	1.00	2.00	2.00	100.0	pile
Q1953-02	AUD-25-0076	28	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1953-03	AUD-25-0077	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-01	BC260874-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-02	BC260874-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1955-01	LAW-25-0066	32	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

173546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1913-03	WC-13-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1936-01	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-02	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-03	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-04	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-05	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-06	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-07	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-08	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1937-01	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-02	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-03	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-04	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-05	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-06	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-07	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-08	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-09	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-10	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-11	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/02/25 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

1725546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1937-12	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-01	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-02	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-03	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-04	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-05	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-06	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-07	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-08	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1942-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/01/2025	Chemtech -SO
Q1942-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1944-01	MELTED-RUBBER-SAMPLE	Solid	Percent Solids	Cool 4 deg C	METE01	L41	05/02/2025	Chemtech -SO
Q1946-01	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

Date/Time 05/02/25

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

WORKLIST(Hardcopy Internal Chain)

8/23/25

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1946-02	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-01	MH-P	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-02	MH-P-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-03	MH-P-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-05	MH-O	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-06	MH-O-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-07	MH-O-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-01	MH-KK	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-02	MH-KK-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-03	MH-KK-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-01	CLEAN-FILL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1952-02	CLEAN-FILL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-01	AUD-25-0075	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-02	AUD-25-0076	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-03	AUD-25-0077	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-01	BC260874-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-02	BC260874-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1955-01	LAW-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

Date/Time 05/02/25

Raw Sample Received by:

Raw Sample Relinquished by:

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 05/05/2025

Matrix : Solid

Extraction Start Time : 08:35

Weigh By: EH

Extraction By: RJ

Extraction End Date : 05/05/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:35

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	PP24460
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	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/5/25	RS (Ext Lab)	Y-P. Pest 1P63
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/05/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167854BL	PBLK854	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB167854BS	PLCS854	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1936-01	SMALL-PILE-A	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		3
Q1936-01MS	SMALL-PILE-AMS	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		4
Q1936-01MS D	SMALL-PILE-AMSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		5
Q1936-03	SMALL-PILE-B	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		6
Q1936-05	SMALL-PILE-C	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		U2-1
Q1936-07	SMALL-PILE-D	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2
Q1937-01	LARGE-PILE-A	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		3
Q1937-03	LARGE-PILE-B	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		4
Q1937-05	LARGE-PILE-C	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		5
Q1937-07	LARGE-PILE-D	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		6
Q1937-09	LARGE-PILE-E	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		U3-1
Q1937-11	LARGE-PILE-F	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		2
Q1938-01	LOWER-WALL-PILE-A	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		3
Q1938-03	LOWER-WALL-PILE-B	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		4
Q1938-05	LOWER-WALL-PILE-C	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		5
Q1938-07	LOWER-WALL-PILE-D	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		6
Q1946-01	BB-CONCRETE	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Concrete	U7-1
Q1947-01	MH-P	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1947-05	MH-O	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1951-01	MH-KK	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		4
Q1952-01	CLEAN-FILL	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5



12-85-11
23-08-21

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1836P WorkList ID : 189299 Department : Extraction Date : 05-05-2025 08:30:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1936-01	SMALL-PILE-A	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L51	05/01/2025	8081B
Q1936-03	SMALL-PILE-B	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L51	05/01/2025	8081B
Q1936-05	SMALL-PILE-C	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L51	05/01/2025	8081B
Q1936-07	SMALL-PILE-D	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L51	05/01/2025	8081B
Q1937-01	LARGE-PILE-A	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1937-03	LARGE-PILE-B	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1937-05	LARGE-PILE-C	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1937-07	LARGE-PILE-D	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1937-09	LARGE-PILE-E	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1937-11	LARGE-PILE-F	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1938-01	LOWER-WALL-PILE-A	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1938-03	LOWER-WALL-PILE-B	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1938-05	LOWER-WALL-PILE-C	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1938-07	LOWER-WALL-PILE-D	Solid	Pesticide-TCL	Cool 4 deg C	SAXT01	L41	05/01/2025	8081B
Q1946-01	BB-CONCRETE	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/02/2025	8081B
Q1947-01	MH-P	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/02/2025	8081B
Q1947-05	MH-O	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/02/2025	8081B
Q1951-01	MH-KK	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	05/02/2025	8081B
Q1952-01	CLEAN-FILL	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	05/02/2025	8081B

Date/Time 05/05/25 8:30
Raw Sample Received by: R3 KGA-(26)
Raw Sample Relinquished by: [Signature]

Date/Time 05/05/25 9:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: R3 KGA-(26)

Prep Standard - Chemical Standard Summary

Order ID : Q1938

Test : Pesticide-TCL

Prepbatch ID : PB167854,

Sequence ID/Qc Batch ID: pl050625,pl050725,

Standard ID :

EP2601,EP2607,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,PP24460,

Chemical ID :

E2865,E3551,E3806,E3847,E3876,E3877,E3914,E3916,E3917,E3928,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,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	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel
								04/07/2025

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = 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	EP2607	04/25/2025	07/01/2025	RUPESEKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
								04/25/2025

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								



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

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Fax : 908 789 8922

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	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
								04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = 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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

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	10/22/2025	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3928

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	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

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

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

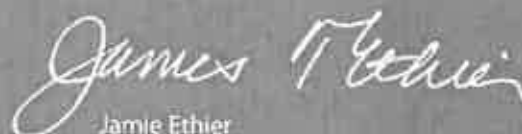
Certificate of Analysis

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
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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)	$\geq 99.5 \%$	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

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.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd by RP on 3/31/25

E 3946

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.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors[™]**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3928



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 U.S.

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:

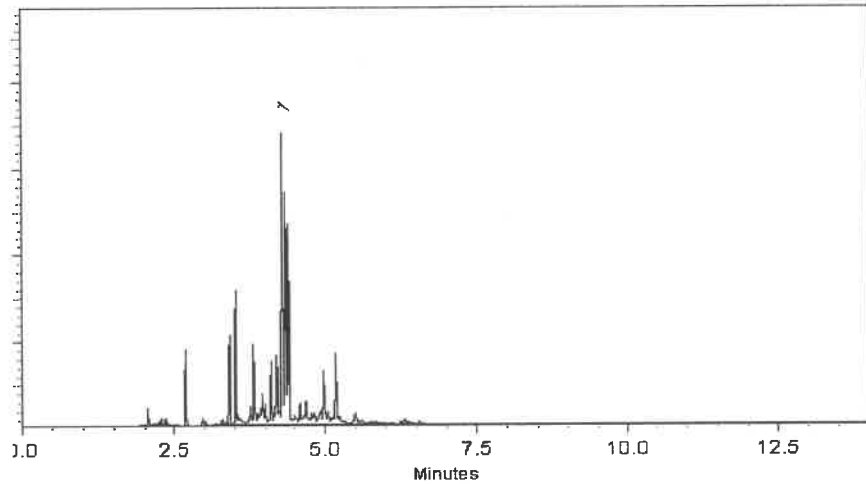
ECD

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
P12611
↓
P12615
⑤
CRout
7/3/2023



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

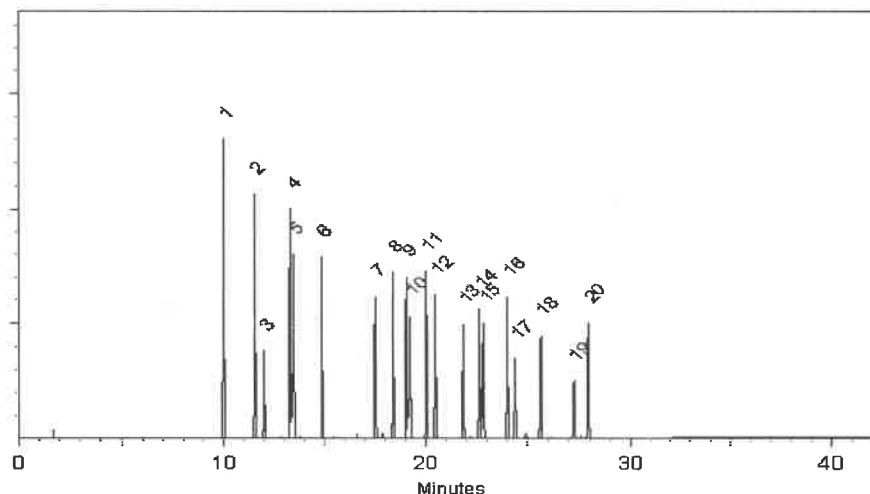
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

01/17/2024
JALIN

5, 3, 1, 2, 4



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

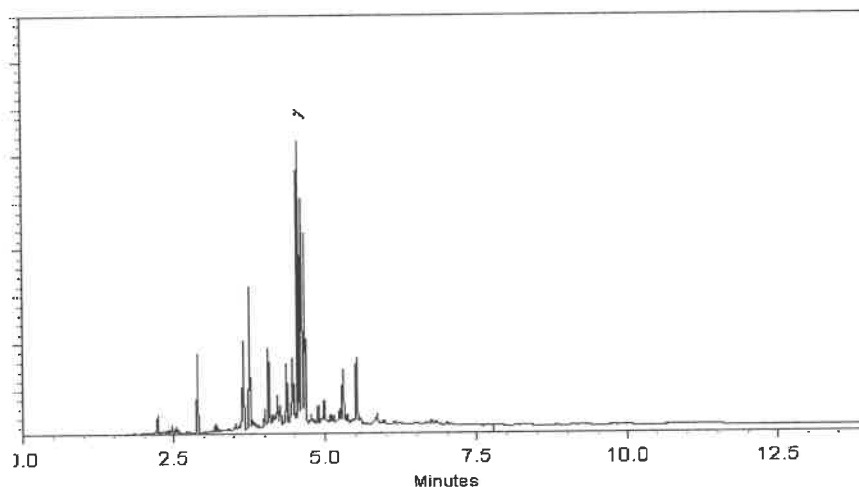
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

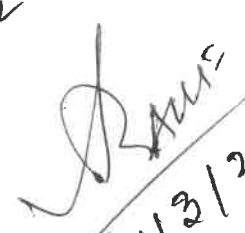
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

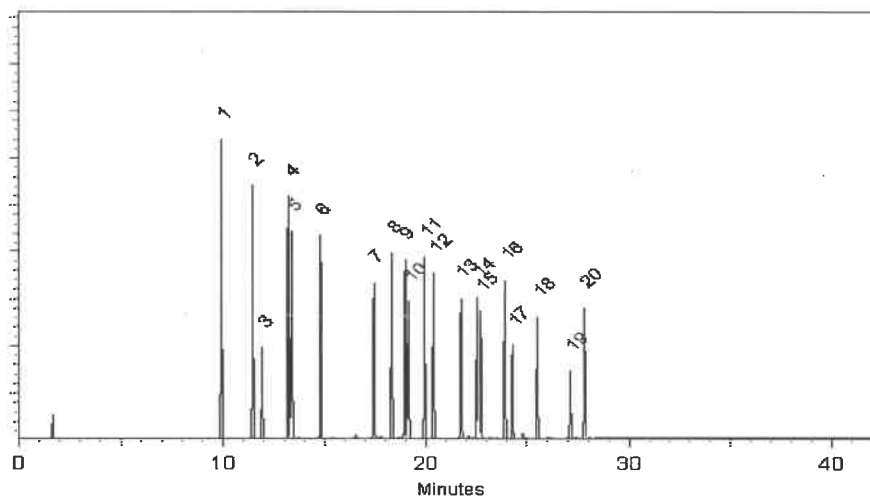
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124

CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615 (50%)

Recommended Storage:

Refrigerate (4 °C)

Toluene

28508 (50%)

Nominal Concentration (µg/mL):

Varied

NIST Test ID#:

6UTB

Balance Uncertainty
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

Formulated By:	Lawrence Barry	013124
Reviewed By:	Pedro L. Rentes	013124
DATE		

Compound

Part Number

Lot Number

Dil. Factor

Initial Vol. (mL)

Uncertainty Pipette (mL)

Initial Conc. (µg/mL)

Final Conc. (µg/mL)

Expanded Uncertainty (±) µg/mL

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 38300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

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P14410
P14411
P1441



110 Benner Circle
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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. : 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
↓
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:

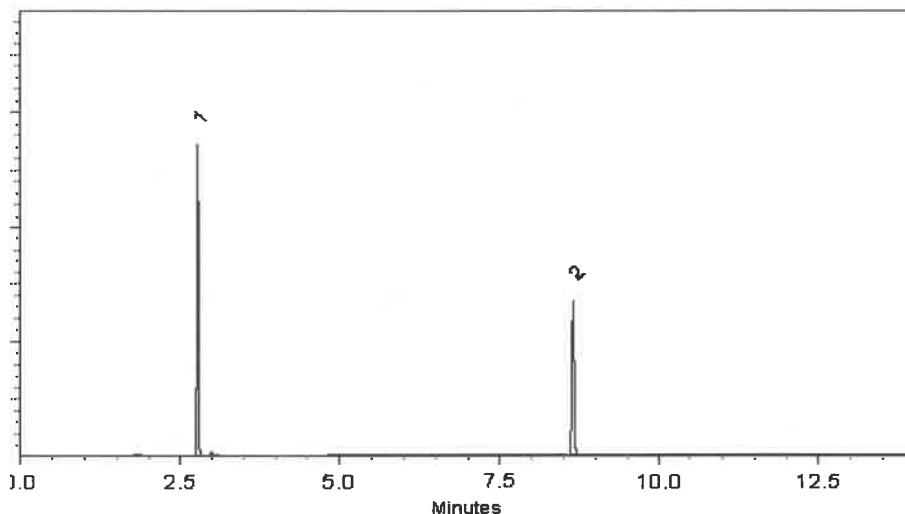
ECD

Split Vent:

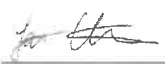
10 ml/min.

Inj. Vol

1µl

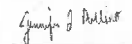


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

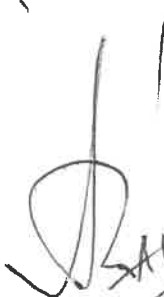
Balance Serial # 1128360905


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
↓
P 13357
10


SAUF
04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
↓
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:

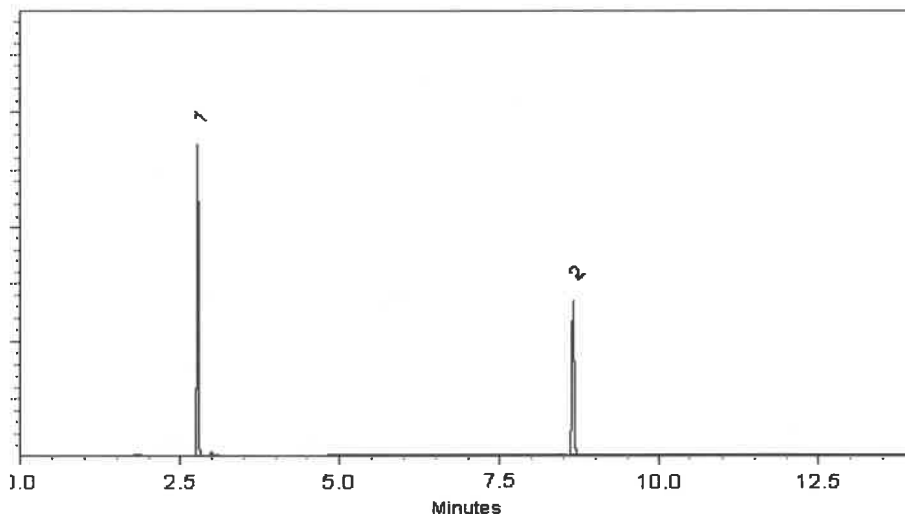
ECD

Split Vent:

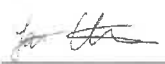
10 ml/min.

Inj. Vol

1µl

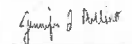


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

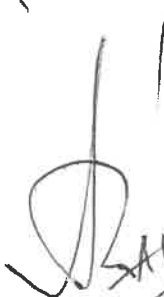
Balance Serial # 1128360905


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
↓
P 13357
10


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04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

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:

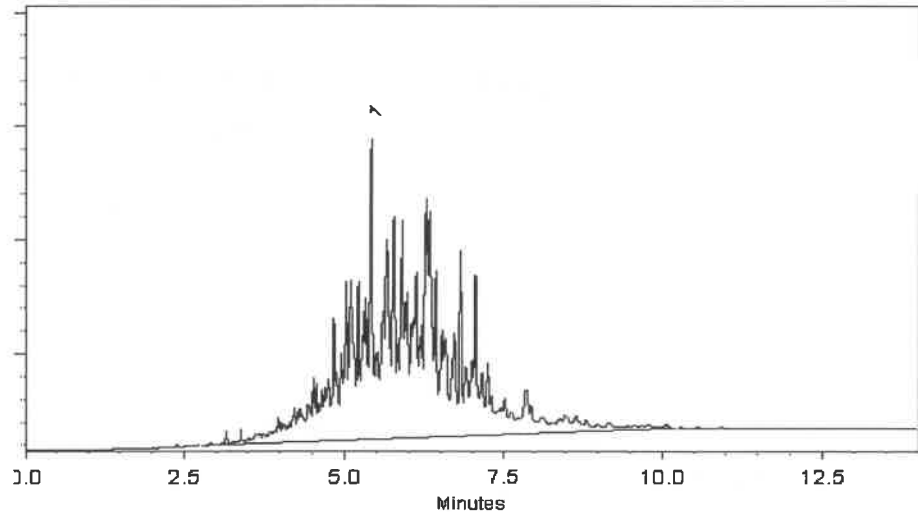
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

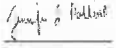


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
↓
P13406 } (5)

5/22/2024



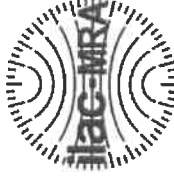
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

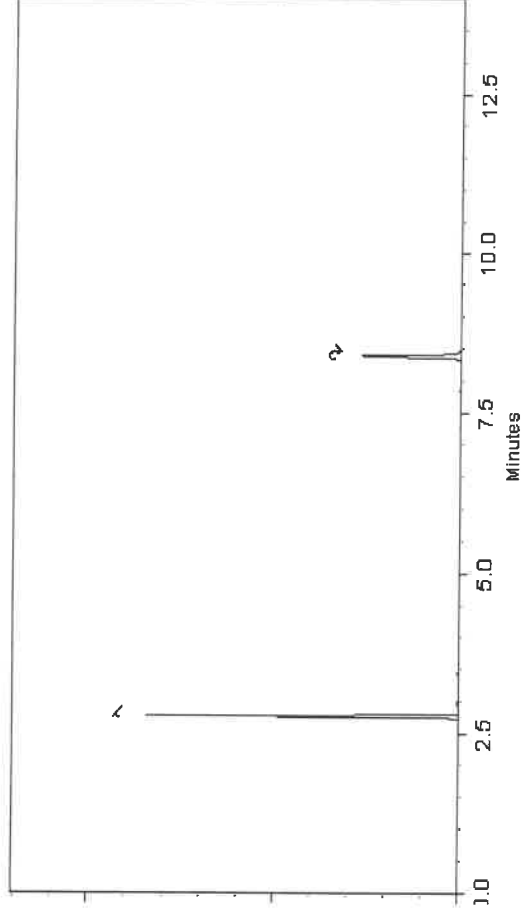
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

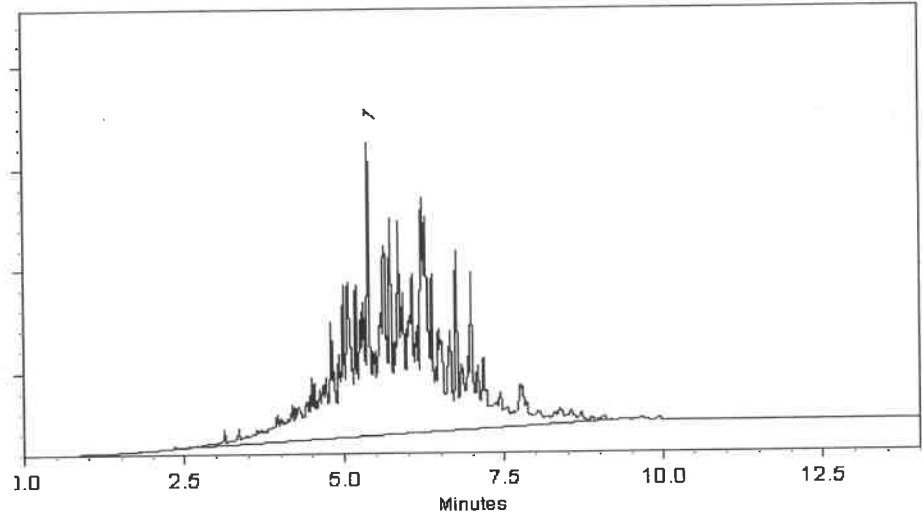
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

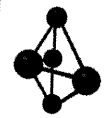

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL):

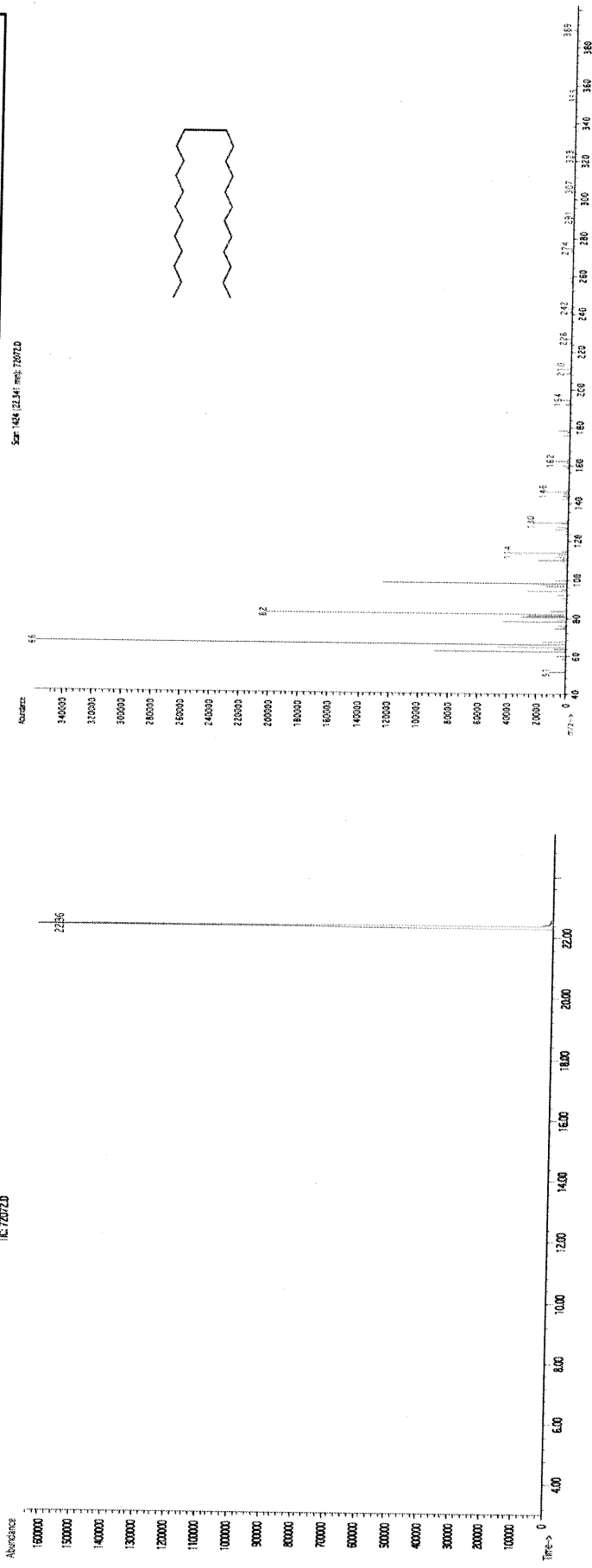
Solvent(s): **Methylene chloride**
Lot# **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

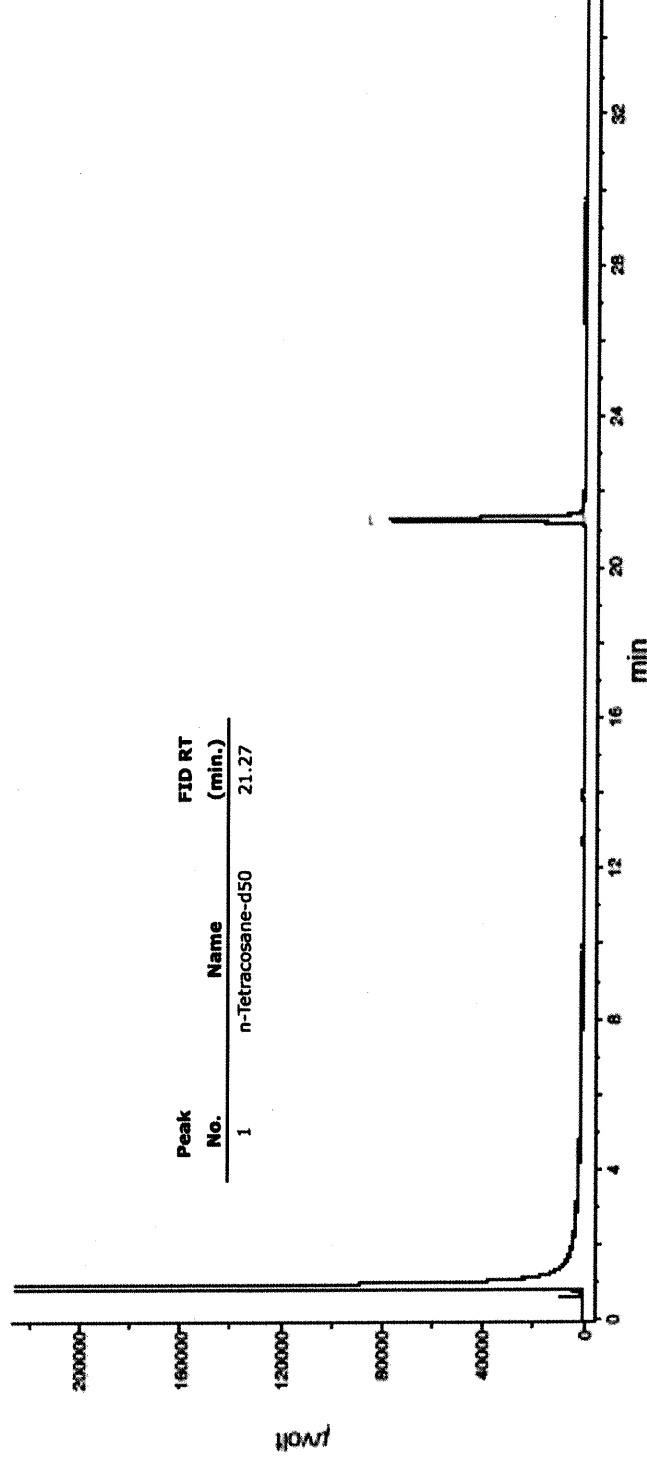
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Saxton Fall and Sand Gravel
ADDRESS: 3000 International Drive
CITY: Budd Lake STATE: N.J. ZIP:
ATTENTION: Rich Schindler
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stan Hope
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY: Stan STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. Hex Chrom
2. PCB
3. SVOC-TCL BWA-20
4. TPH CAC
5. Trivalent Chromium
6. Cyanide
7. SVOC-TCL VOA-16
8. EPH
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	<u>Lower Wall Pile-A</u>	<u>SoL</u>	<u>X</u>		<u>5-1-25</u>	<u>12:50</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>Pid=0.0</u>	
2.	<u>A</u>			<u>X</u>		<u>12:52</u>	<u>5</u>							<u>X</u>	<u>X</u>			
3.	<u>B</u>		<u>X</u>			<u>13:00</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.	<u>B</u>			<u>X</u>		<u>13:02</u>	<u>5</u>							<u>X</u>	<u>X</u>			
5.	<u>C</u>		<u>X</u>			<u>13:12</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
6.	<u>C</u>			<u>X</u>		<u>13:14</u>	<u>5</u>							<u>X</u>	<u>X</u>			
7.	<u>D</u>		<u>X</u>			<u>13:20</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
8.	<u>D</u>			<u>X</u>		<u>13:22</u>	<u>5</u>							<u>X</u>	<u>X</u>			
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5-1-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>4.1°C</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: <u>Pid Meter calibrated 5-1-2025</u> <u>Equal volume of soil used, 5:1 Composite</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>5-1-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: STN Hope

Chemtech Order ID: _____

Sampler Name: Lawrence Palko

Client Project Coordinator & Phone: _____

Service Order #: _____
Work Order #: _____

Labor WBS #: _____

Facility/Site: _____

Page #: 1 of 1

Date: 5.1.2025

Site Address: 3000 Interactions

Arrive Time: 0830

Drive, Budd Lake, NJ.

Depart Time: 1410

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depth: _____

Dimensions/CY: _____

Temp (range): _____

°C PID Readings (range): _____

PPM

Odor: Y / N

Color: Y / N

Sample Description: Brown soil, Rocks.

Field Observations: Sample 6, small pile, large pile, however well pile.

Grid/Area Composite Map:

QA Control # A3041134

SEE

ATTACHED

Sampler Signature: _____

5.1.2025

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

Lower Wall

EXHIBIT 1

Soil Piles for Sampling

Piles for sampling are circled in red

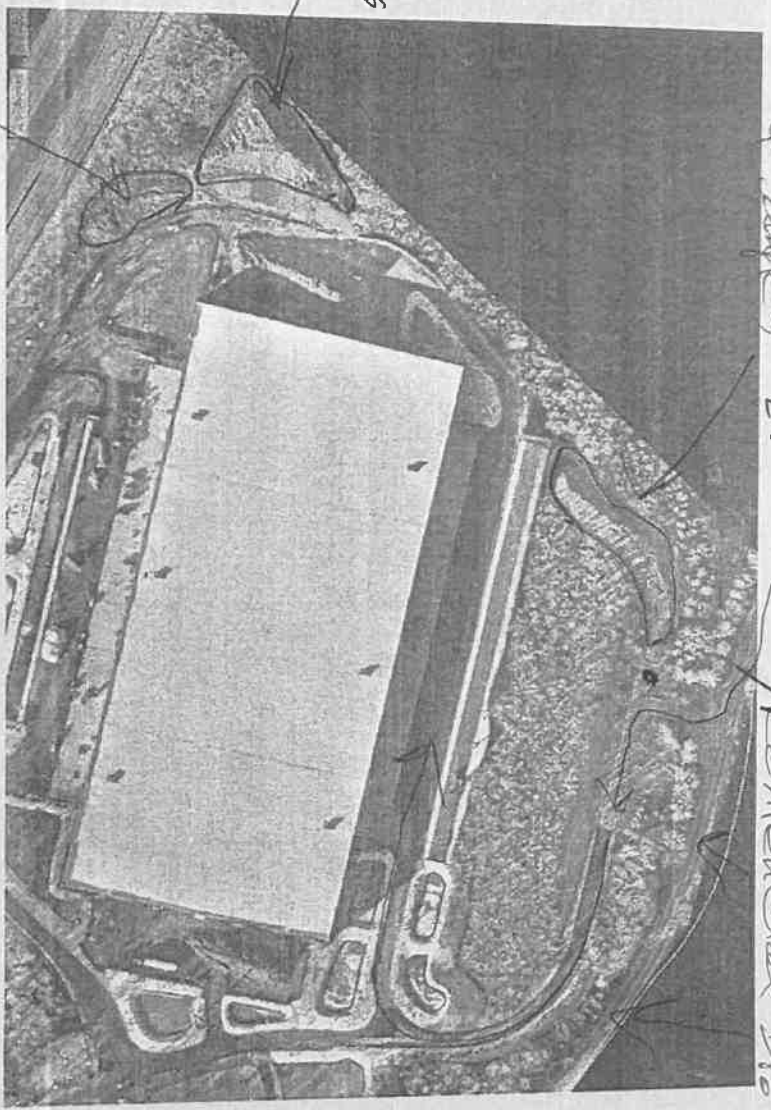
4 Samples 25" #

Contenetal Dr.

3 tests

Pile

6 Samples
Large Pile
30" #



4 Samples
Small pile 20" #

Total 14 Samples

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1938	SAXT01	Order Date : 5/1/2025 2:05:00 PM	Project Mgr :
Client Name : Saxton Falls Sand and Grav		Project Name : Stan Hope	Report Type : Level 1
Client Contact : Rich Schindelar		Receive DateTime : 5/1/2025 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Saxton Falls Sand and Grav		Purchase Order : 15:40	Hard Copy Date :
Invoice Contact : Rich Schindelar			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1938-02	LOWER-WALL-PILE-A	Solid	05/01/2025	12:52	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-04	LOWER-WALL-PILE-B	Solid	05/01/2025	13:02	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-06	LOWER-WALL-PILE-C	Solid	05/01/2025	13:14	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-08	LOWER-WALL-PILE-D	Solid	05/01/2025	13:22	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

LCJ

5-1-2025 1650

Received By :

Date / Time :

Wm Duden

5-1-25 16:5

Storage Area : VOA Refridgerator Room

Touch
Storage in VOA
FRZ # 02 Extract
in set # 06