

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ WASTE WATER PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P3845

ATTENTION : QA Officer



Laboratory Certification ID # 20012



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Cover Page

Order ID : P3845

Project ID : NJ Waste Water PT

Client : Chemtech Consulting Group

Lab Sample Number

P3845-01
P3845-02
P3845-03
P3845-04
P3845-05
P3845-06
P3845-07
P3845-08
P3845-09
P3845-10
P3845-11
P3845-12
P3845-13
P3845-14
P3845-15
P3845-16
P3845-17
P3845-18
P3845-19
P3845-20
P3845-21
P3845-22

Client Sample Number

PT-VOA-WP
PT-VOA-WP
PT-BN-WP
PT-BN-WP
PT-BN-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-PEST-WP
PT-PEST-WP
PT-CHLR-WP
PT-CHLR-WP
PT-TXP-WP
PT-TXP-WP
PT-PCBW-WP
PT-PCBW-WP
PT-HERB-WP
RR-GAS-WP
RR-DIES-WP
RR-8011-WP
RR-PAH-WP
RR-TRIAZINE-WP

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 :

N. N. Pandya

NYDOH CERTIFICATION NO - 11376

APPROVED

Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:19:35 AM

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # P3845

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

22 Water samples were received on 09/05/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of PESTICIDE Group1s was based on method 608.3,8081B and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PT-PEST-WP [Tetrachloro-m-xylene(1) - 169%], PT-PEST-WPDL [Tetrachloro-m-xylene(1) - 168%] and PT-PEST-WPDL2 [Tetrachloro-m-xylene(1) - 178%],AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Samples PT-PEST-WP, PT-PEST-WPDL were diluted due to high concentrations.



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Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:

F. Manual Integration Comments:

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

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

Signature_____

N. N. Pandya

APPROVED

Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:19:49 AM

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3845

MATRIX: Water

METHOD: 608.3,8081B/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
	The Initial Calibration met the requirements .			
	The Continuous Calibration met the requirements .			
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for PT-PEST-WP [Tetrachloro-m-xylene(1) - 169%], PT-PEST-WPDL [Tetrachloro-m-xylene(1) - 168%] and PT-PEST-WPDL2 [Tetrachloro-m-xylene(1) - 178%],AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.			
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all samples .			
	The Blank Spike Duplicate met requirements for all samples .			
	The RPD met criteria .			
7.	Retention Time Shift Meet Criteria (if applicable)			✓
	Comments:			
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

Samples PT-PEST-WP, PT-PEST-WPDL were diluted due to high concentrations.

S. M. Jodhani
QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:08 am, Oct 28, 2024

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3845

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/24/2024

LAB CHRONICLE

OrderID:	P3845	OrderDate:	9/5/2024 2:19:00 PM
Client:	Chemtech Consulting Group	Project:	NJ Waste Water PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3845-09	PT-PEST-WP	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-09DL	PT-PEST-WPDL	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-09DL 2	PT-PEST-WPDL2	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-11	PT-CHLR-WP	WATER	PESTICIDE Group2	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-13	PT-TXP-WP	WATER	PESTICIDE Group3	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-13DL	PT-TXP-WPDL	WATER	PESTICIDE Group3	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-15	PT-PCBW-WP	WATER	PCB	8082A	09/03/24	09/09/24	09/10/24	09/05/24
P3845-17	PT-HERB-WP	WATER	Herbicide group1	8151A	09/03/24	09/10/24	09/13/24	09/05/24
P3845-18	RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/03/24		09/09/24	09/05/24
P3845-18RE	RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/03/24		09/09/24	09/05/24
P3845-19	RR-DIES-WP	Water	Diesel Range Organics	8015D	09/03/24	09/09/24	09/10/24	09/05/24

LAB CHRONICLE

P3845-20	RR-8011-WP	WATER			09/03/24			09/05/24
			VOCGC Group 1	8011		09/11/24	09/11/24	
P3845-20DL	RR-8011-WPDL	WATER			09/03/24			09/05/24
			VOCGC Group 1	8011		09/11/24	09/11/24	

Hit Summary Sheet SW-846

SDG No.: P3845

Order ID: P3845

Client: Chemtech Consulting Group

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-PEST-WP							
P3845-09	PT-PEST-WP	WATER alpha-BHC	14.4	E	0.0061	0.050	ug/L
P3845-09	PT-PEST-WP	WATER beta-BHC	11.9	E	0.014	0.050	ug/L
P3845-09	PT-PEST-WP	WATER delta-BHC	15.0	E	0.015	0.050	ug/L
P3845-09	PT-PEST-WP	WATER gamma-BHC (Lindane)	6.90	E	0.0049	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Heptachlor	4.60	E	0.0054	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Aldrin	7.50	E	0.0044	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Heptachlor epoxide	7.00	E	0.0090	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endosulfan I	10.3	E	0.0050	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Dieldrin	11.6	E	0.0047	0.050	ug/L
P3845-09	PT-PEST-WP	WATER 4,4-DDE	5.20	E	0.0045	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endrin	2.30	E	0.0043	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endosulfan II	6.20	E	0.0075	0.050	ug/L
P3845-09	PT-PEST-WP	WATER 4,4-DDD	8.70	EP	0.0092	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endosulfan Sulfate	4.90	E	0.0035	0.050	ug/L
P3845-09	PT-PEST-WP	WATER 4,4-DDT	5.20	E	0.0044	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Methoxychlor	7.20	E	0.011	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endrin ketone	13.8	E	0.0097	0.050	ug/L
P3845-09	PT-PEST-WP	WATER Endrin aldehyde	14.0	E	0.0099	0.050	ug/L
P3845-09	PT-PEST-WP	WATER alpha-Chlordane	6.70	E	0.0060	0.050	ug/L
P3845-09	PT-PEST-WP	WATER gamma-Chlordane	3.50	E	0.0060	0.050	ug/L

Total Concentration: 166.900

Client ID : PT-PEST-WPDL							
P3845-09DL	PT-PEST-WPDL	WATER alpha-BHC	13.8	ED	0.061	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER beta-BHC	11.7	ED	0.14	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER delta-BHC	14.7	ED	0.15	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER gamma-BHC (Lindane)	6.40	D	0.049	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Heptachlor	4.40	D	0.054	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Aldrin	7.30	D	0.044	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Heptachlor epoxide	7.40	D	0.090	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Endosulfan I	11.2	ED	0.050	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Dieldrin	12.6	ED	0.047	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER 4,4-DDE	4.70	D	0.045	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Endrin	2.00	D	0.043	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Endosulfan II	6.20	D	0.075	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER 4,4-DDD	7.30	DP	0.092	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Endosulfan Sulfate	4.90	D	0.035	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER 4,4-DDT	4.40	D	0.044	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Methoxychlor	7.70	D	0.11	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER Endrin ketone	15.8	ED	0.097	0.50	ug/L

Hit Summary Sheet SW-846

SDG No.: P3845

Order ID: P3845

Client: Chemtech Consulting Group

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P3845-09DL	PT-PEST-WPDL	WATER Endrin aldehyde	15.9	ED	0.099	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER alpha-Chlordane	6.40	D	0.060	0.50	ug/L
P3845-09DL	PT-PEST-WPDL	WATER gamma-Chlordane	3.20	D	0.060	0.50	ug/L
Total Concentration:			168.000				
Client ID : PT-PEST-WPDL2							
P3845-09DL2	PT-PEST-WPDL2	WATER alpha-BHC	13.1	D	0.12	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER beta-BHC	11.6	D	0.28	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER delta-BHC	13.9	D	0.30	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER gamma-BHC (Lindane)	6.10	D	0.098	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Heptachlor	4.30	D	0.11	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Aldrin	6.90	D	0.088	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Heptachlor epoxide	7.20	D	0.18	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endosulfan I	10.8	D	0.10	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Dieldrin	12.0	D	0.094	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER 4,4-DDE	4.50	D	0.090	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endrin	2.20	D	0.086	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endosulfan II	6.00	D	0.15	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER 4,4-DDD	7.10	D	0.18	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endosulfan Sulfate	4.90	D	0.070	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER 4,4-DDT	4.40	D	0.088	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Methoxychlor	7.80	D	0.22	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endrin ketone	15.5	D	0.19	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER Endrin aldehyde	15.6	D	0.20	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER alpha-Chlordane	6.10	D	0.12	1.00	ug/L
P3845-09DL2	PT-PEST-WPDL2	WATER gamma-Chlordane	3.20	D	0.12	1.00	ug/L
Total Concentration:			163.200				



QC SUMMARY

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Surrogate Summary

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL091568.D	PIBLK-PL091568.D	Decachlorobiphenyl	1	20	26.7	133		43	140
		Tetrachloro-m-xylene	1	20	24.2	121		77	126
		Decachlorobiphenyl	2	20	26.2	131		43	140
		Tetrachloro-m-xylene	2	20	24.3	121		77	126
I.BLK-PL091604.D	PIBLK-PL091604.D	Decachlorobiphenyl	1	20	18.4	92		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126
PB163229BL	PB163229BL	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	22.5	112		77	126
		Decachlorobiphenyl	2	20	23.3	116		43	140
		Tetrachloro-m-xylene	2	20	21.5	107		77	126
PB163229BS	PB163229BS	Decachlorobiphenyl	1	20	20.9	105		43	140
		Tetrachloro-m-xylene	1	20	19.7	99		77	126
		Decachlorobiphenyl	2	20	21.1	106		43	140
		Tetrachloro-m-xylene	2	20	19.7	99		77	126
I.BLK-PL091623.D	PIBLK-PL091623.D	Decachlorobiphenyl	1	20	20.3	102		43	140
		Tetrachloro-m-xylene	1	20	19.6	98		77	126
		Decachlorobiphenyl	2	20	20.0	100		43	140
		Tetrachloro-m-xylene	2	20	17.9	90		77	126
I.BLK-PL091650.D	PIBLK-PL091650.D	Decachlorobiphenyl	1	20	20.8	104		43	140
		Tetrachloro-m-xylene	1	20	20.2	101		77	126
		Decachlorobiphenyl	2	20	20.4	102		43	140
		Tetrachloro-m-xylene	2	20	19.5	97		77	126
PB163229BSD	PB163229BSD	Decachlorobiphenyl	1	20	21.5	108		43	140
		Tetrachloro-m-xylene	1	20	17.8	89		77	126
		Decachlorobiphenyl	2	20	20.0	100		43	140
		Tetrachloro-m-xylene	2	20	17.5	87		77	126
I.BLK-PL091662.D	PIBLK-PL091662.D	Decachlorobiphenyl	1	20	19.0	95		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	16.4	82		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL091991.D	PIBLK-PL091991.D	Decachlorobiphenyl	1	20	20.7	104		43	140
		Tetrachloro-m-xylene	1	20	20.3	101		77	126
		Decachlorobiphenyl	2	20	19.5	98		43	140
		Tetrachloro-m-xylene	2	20	19.6	98		77	126
P3845-09	PT-PEST-WP	Decachlorobiphenyl	1	20	22.1	111		43	140

Surrogate Summary

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P3845-09	PT-PEST-WP	Tetrachloro-m-xylene	1	20	33.8	169	*	77	126
		Decachlorobiphenyl	2	20	21.9	109		43	140
P3845-09DL	PT-PEST-WPDL	Tetrachloro-m-xylene	2	20	20.4	102		77	126
		Decachlorobiphenyl	1	20	23.9	119		43	140
		Tetrachloro-m-xylene	1	20	33.5	168	*	77	126
		Decachlorobiphenyl	2	20	22.4	112		43	140
P3845-09DL2	PT-PEST-WPDL2	Tetrachloro-m-xylene	2	20	22.2	111		77	126
		Decachlorobiphenyl	1	20	23.4	117		43	140
		Tetrachloro-m-xylene	1	20	35.6	178	*	77	126
		Decachlorobiphenyl	2	20	27.4	137		43	140
I.BLK-PL092002.D	PIBLK-PL092002.D	Tetrachloro-m-xylene	2	20	20.8	104		77	126
		Decachlorobiphenyl	1	20	20.9	104		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	20.4	102		43	140
		Tetrachloro-m-xylene	2	20	19.5	97		77	126

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Datafile : PL091611.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163229BS	alpha-BHC	0.5	0.52	ug/L	104				85	130		
	beta-BHC	0.5	0.51	ug/L	102				83	126		
	delta-BHC	0.5	0.55	ug/L	109				69	141		
	gamma-BHC (Lindane)	0.5	0.52	ug/L	105				82	129		
	Heptachlor	0.5	0.54	ug/L	108				79	127		
	Aldrin	0.5	0.53	ug/L	106				79	126		
	Heptachlor epoxide	0.5	0.50	ug/L	100				81	124		
	Endosulfan I	0.5	0.53	ug/L	105				85	122		
	Dieldrin	0.5	0.54	ug/L	108				83	125		
	4,4'-DDE	0.5	0.56	ug/L	113				80	127		
	Endrin	0.5	0.52	ug/L	105				81	128		
	Endosulfan II	0.5	0.54	ug/L	107				82	123		
	4,4'-DDD	0.5	0.52	ug/L	103				77	131		
	Endosulfan sulfate	0.5	0.54	ug/L	108				76	129		
	4,4'-DDT	0.5	0.55	ug/L	110				80	133		
	Methoxychlor	0.5	0.54	ug/L	107				78	108		
	Endrin ketone	0.5	0.53	ug/L	106				80	131		
	Endrin aldehyde	0.5	0.54	ug/L	108				82	127		
	alpha-Chlordane	0.5	0.54	ug/L	107				82	125		
	gamma-Chlordane	0.5	0.52	ug/L	104				82	125		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Datafile : PL091654.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB163229BSD	alpha-BHC	0.5	0.47	ug/L	94	10			85	130	20
	beta-BHC	0.5	0.46	ug/L	91	11			83	126	20
	delta-BHC	0.5	0.47	ug/L	93	16			69	141	20
	gamma-BHC (Lindane)	0.5	0.47	ug/L	93	12			82	129	20
	Heptachlor	0.5	0.47	ug/L	94	14			79	127	20
	Aldrin	0.5	0.46	ug/L	92	14			79	126	20
	Heptachlor epoxide	0.5	0.46	ug/L	91	9			81	124	20
	Endosulfan I	0.5	0.48	ug/L	96	9			85	122	20
	Dieldrin	0.5	0.48	ug/L	96	12			83	125	20
	4,4'-DDE	0.5	0.48	ug/L	96	16			80	127	20
	Endrin	0.5	0.44	ug/L	88	18			81	128	20
	Endosulfan II	0.5	0.48	ug/L	96	11			82	123	20
	4,4'-DDD	0.5	0.50	ug/L	99	4			77	131	20
	Endosulfan sulfate	0.5	0.50	ug/L	99	9			76	129	20
	4,4'-DDT	0.5	0.45	ug/L	90	20			80	133	20
	Methoxychlor	0.5	0.46	ug/L	92	15			78	108	20
	Endrin ketone	0.5	0.51	ug/L	103	3			80	131	20
	Endrin aldehyde	0.5	0.50	ug/L	100	8			82	127	20
	alpha-Chlordane	0.5	0.49	ug/L	98	9			82	125	20
	gamma-Chlordane	0.5	0.47	ug/L	95	9			82	125	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163229BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163229BL

Lab File ID: PL091610.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/09/2024

Date Analyzed (1): 09/10/2024

Date Analyzed (2): 09/10/2024

Time Analyzed (1): 12:40

Time Analyzed (2): 12:40

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm)

GC Column (2): ZB-MR1 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
PB163229BS	PB163229BS	PL091611.D	09/10/2024	09/10/2024
PB163229BSD	PB163229BSD	PL091654.D	09/11/2024	09/11/2024
PT-PEST-WP	P3845-09	PL091996.D	09/24/2024	09/24/2024

COMMENTS: _____



SAMPLE DATA

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-PEST-WP	SDG No.:	P3845
Lab Sample ID:	P3845-09	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091996.D	1	09/09/24 10:10	09/24/24 12:35	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	14.4	E	0.0061	0.050	ug/L
319-85-7	beta-BHC	11.9	E	0.014	0.050	ug/L
319-86-8	delta-BHC	15.0	E	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	6.90	E	0.0049	0.050	ug/L
76-44-8	Heptachlor	4.60	E	0.0054	0.050	ug/L
309-00-2	Aldrin	7.50	E	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	7.00	E	0.0090	0.050	ug/L
959-98-8	Endosulfan I	10.3	E	0.0050	0.050	ug/L
60-57-1	Dieldrin	11.6	E	0.0047	0.050	ug/L
72-55-9	4,4-DDE	5.20	E	0.0045	0.050	ug/L
72-20-8	Endrin	2.30	E	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	6.20	E	0.0075	0.050	ug/L
72-54-8	4,4-DDD	8.70	EP	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	4.90	E	0.0035	0.050	ug/L
50-29-3	4,4-DDT	5.20	E	0.0044	0.050	ug/L
72-43-5	Methoxychlor	7.20	E	0.011	0.050	ug/L
53494-70-5	Endrin ketone	13.8	E	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	14.0	E	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	6.70	E	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	3.50	E	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	33.8	*	77 - 126	169%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/03/24	
Project:	NJ Waste Water PT		Date Received:	09/05/24	
Client Sample ID:	PT-PEST-WP		SDG No.:	P3845	
Lab Sample ID:	P3845-09		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091996.D	1	09/09/24 10:10	09/24/24 12:35	PB163229

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\PL092424\
 Data File : PL091996.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 12:35
 Operator : AR\AJ
 Sample : P3845-09
 Misc : PEST/PT
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-WP

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:17:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.784	75102055	51286269	33.759	20.448 #
28)	SA Decachlor...	9.066	7.926	36213216	54736437	22.105	21.878
Target Compounds							
2)	A alpha-BHC	4.007	3.287	4455.7E6	5027.5E6	1438.941	1379.921
3)	MA gamma-BHC...	4.339	3.617	2037.1E6	2448.6E6	657.387	693.471
4)	MA Heptachlor	4.928	3.957	1132.6E6	1574.1E6	409.537	456.168
5)	MB Aldrin	5.270	4.237	1937.4E6	2555.2E6	697.516	751.292
6)	B beta-BHC	4.536	3.917	1418.0E6	1786.0E6	1069.049	1188.224
7)	B delta-BHC	4.782	4.146	4320.8E6	5040.3E6	1498.079m	1451.831
8)	B Heptachlo...	5.696	4.740	1678.0E6	2125.0E6	659.347	702.979
9)	A Endosulfan I	6.082	5.111	2228.0E6	2820.6E6	963.102	1027.692
10)	B gamma-Chl...	5.951	4.990	743.8E6	1039.1E6	300.996	345.394
11)	B alpha-Chl...	6.030	5.054	1496.7E6	2019.8E6	607.578	674.730
12)	B 4,4'-DDE	6.204	5.243	1004.9E6	1450.3E6	464.285	521.918
13)	MA Dieldrin	6.356	5.374	2760.8E6	3408.7E6	1132.018	1162.642
14)	MA Endrin	6.586	5.650	406.3E6	607.7E6	197.164	231.742
15)	B Endosulfa...	6.805	5.945	1213.5E6	1554.4E6	551.676	621.179
16)	A 4,4'-DDD	6.721	5.798	1004.7E6	1863.0E6	559.470	872.096 #
17)	MA 4,4'-DDT	7.034	6.048	807.1E6	1193.1E6	438.360	515.774
18)	B Endrin al...	6.935	6.125	2321.5E6	2862.7E6	1332.082	1402.795
19)	B Endosulfa...	7.169	6.347	851.5E6	1179.3E6	429.569	488.839
20)	A Methoxychlor	7.510	6.624	651.9E6	900.4E6	664.050	720.150
21)	B Endrin ke...	7.654	6.852	3026.4E6	3722.2E6	1377.163	1344.263

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 12:35
Operator : AR\AJ
Sample : P3845-09
Misc : PEST/PT
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WP

Manual Integrations

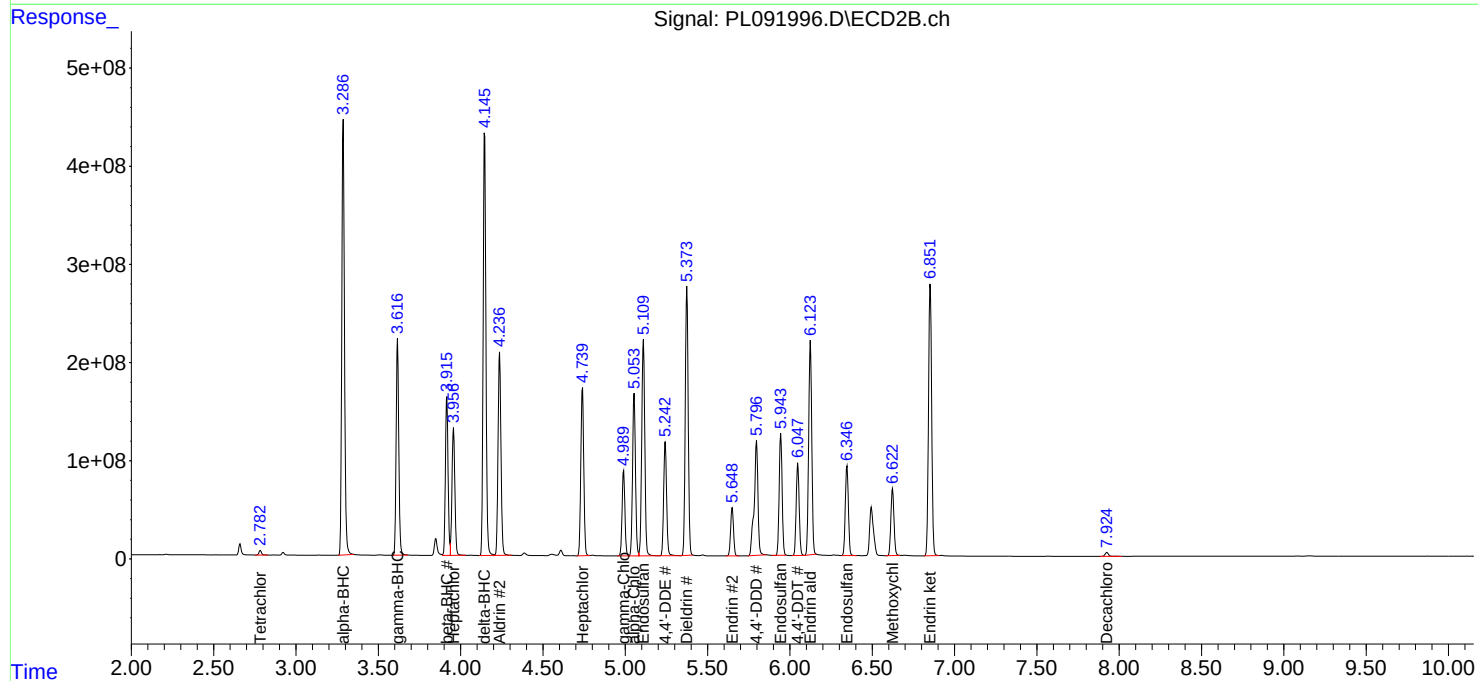
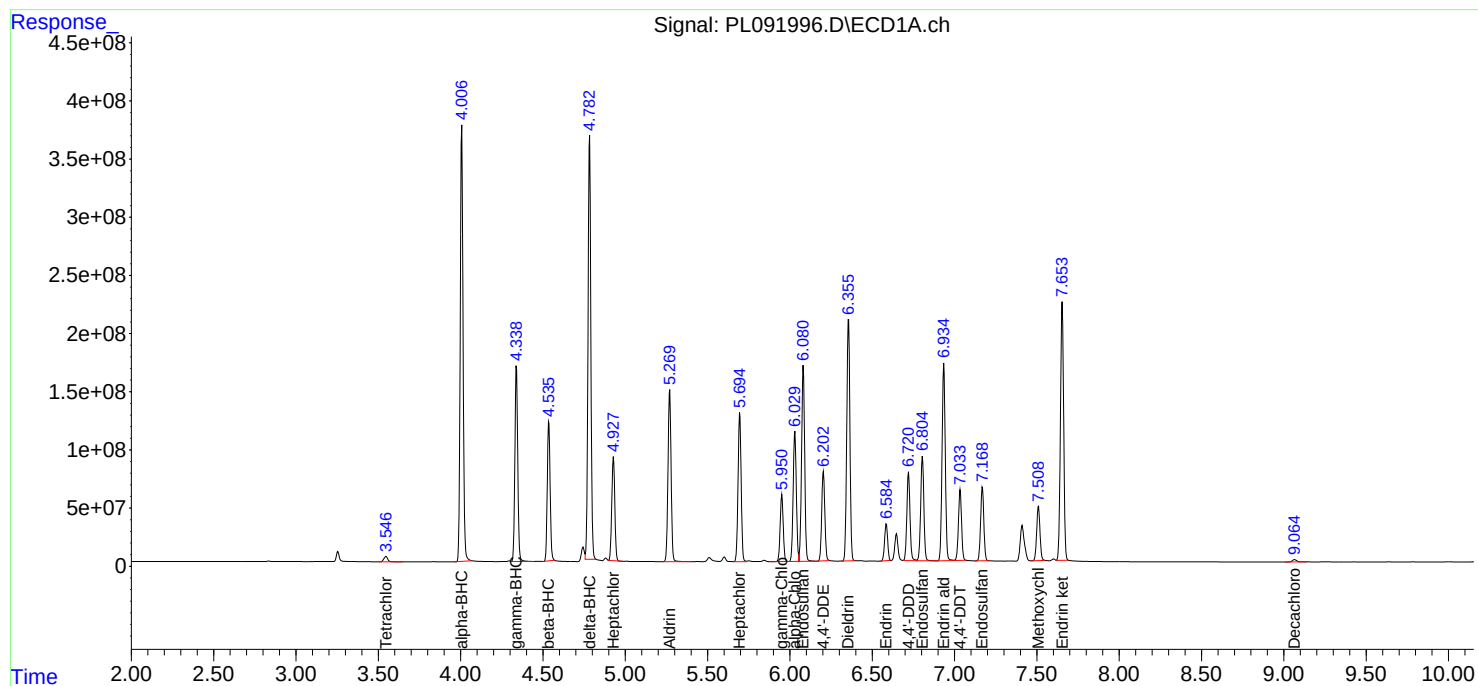
APPROVED

Reviewed By :Abdul Mirza 09/25/2024

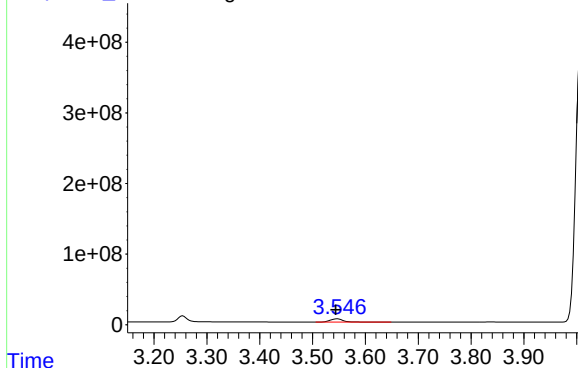
Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:17:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL091996.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.003 min
Response: 75102055
Conc: 33.76 ng/ml

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WP

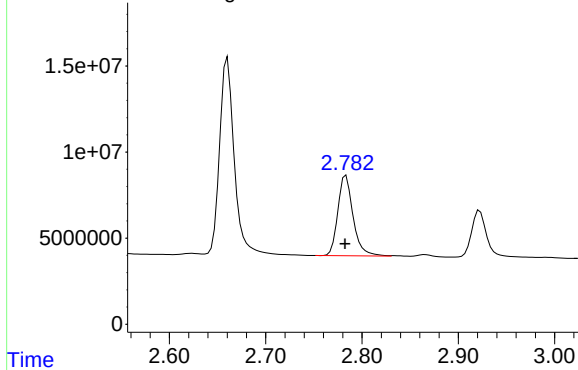
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

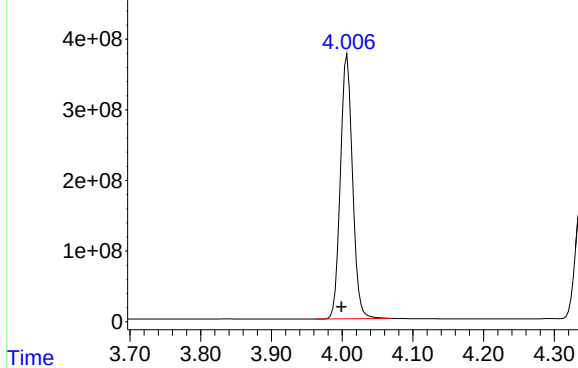
Response_ Signal: PL091996.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.001 min
Response: 51286269
Conc: 20.45 ng/ml

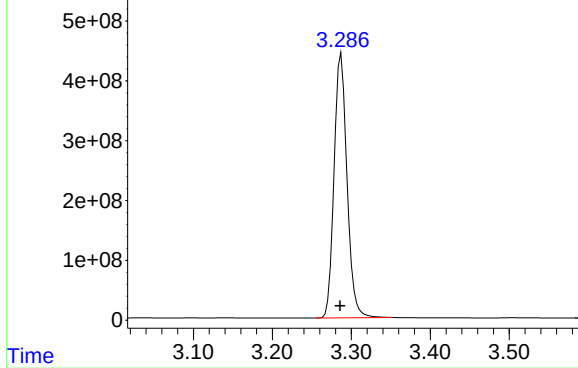
Response_ Signal: PL091996.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.008 min
Response: 4455704507
Conc: 1438.94 ng/ml

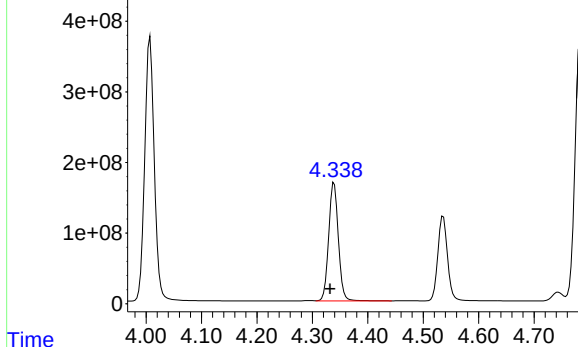
Response_ Signal: PL091996.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.287 min
Delta R.T.: 0.002 min
Response: 5027501451
Conc: 1379.92 ng/ml

Response_ Signal: PL091996.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: 0.007 min
Response: 2037112983
Conc: 657.39 ng/ml

Instrument :

ECD_L

ClientSampleId :

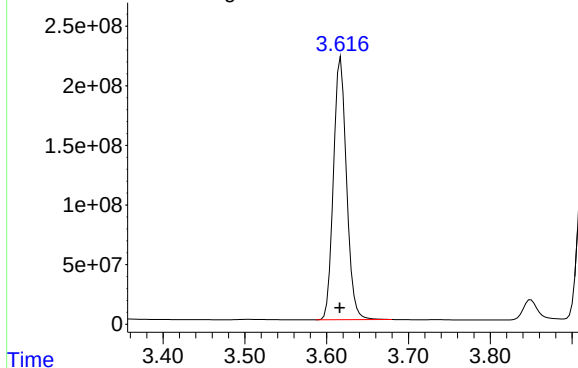
PT-PEST-WP

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

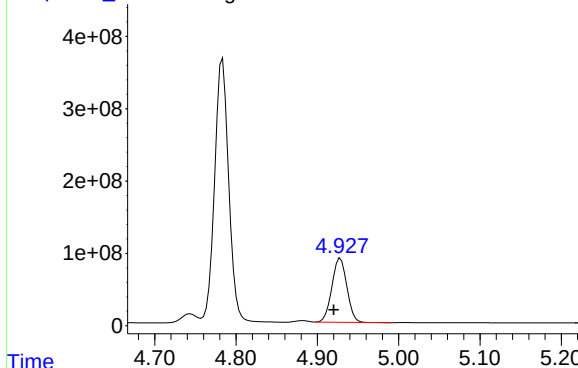
Response_ Signal: PL091996.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.617 min
Delta R.T.: 0.001 min
Response: 2448629130
Conc: 693.47 ng/ml

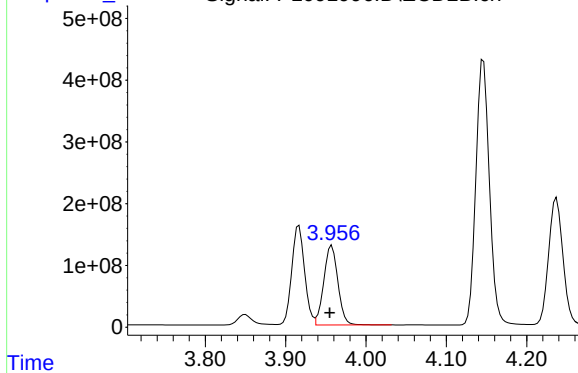
Response_ Signal: PL091996.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.008 min
Response: 1132557417
Conc: 409.54 ng/ml

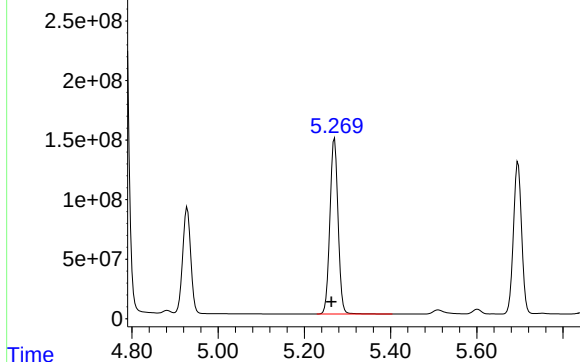
Response_ Signal: PL091996.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.957 min
Delta R.T.: 0.002 min
Response: 1574059346
Conc: 456.17 ng/ml

Response_ Signal: PL091996.D\ECD1A.ch



#5 Aldrin

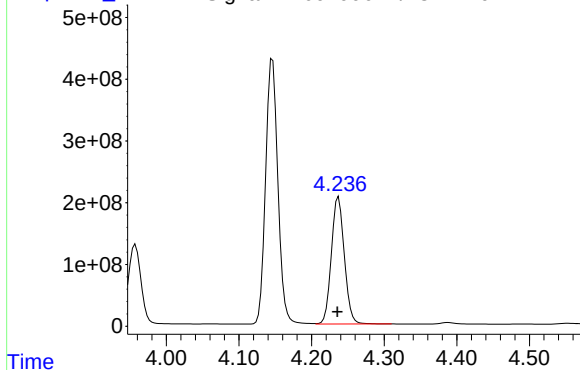
R.T.: 5.270 min
Delta R.T.: 0.007 min
Response: 1937413208
Conc: 697.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

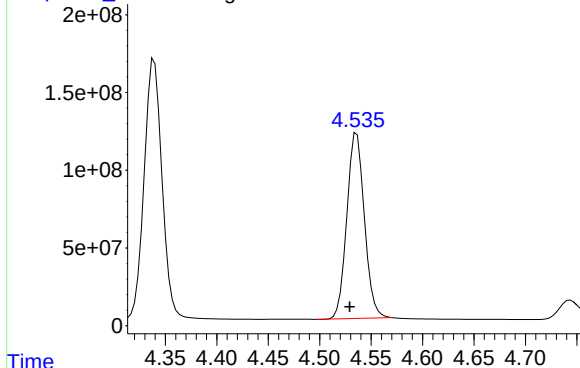
Response_ Signal: PL091996.D\ECD2B.ch



#5 Aldrin

R.T.: 4.237 min
Delta R.T.: 0.002 min
Response: 2555218452
Conc: 751.29 ng/ml

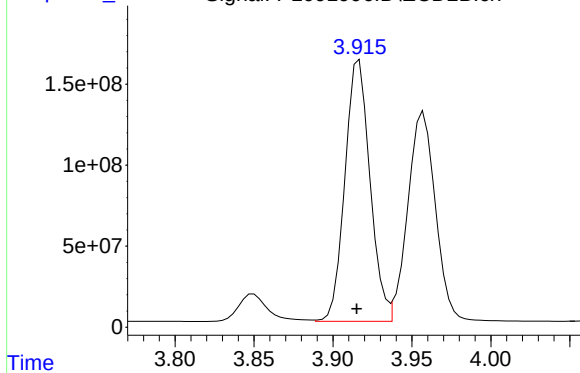
Response_ Signal: PL091996.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.536 min
Delta R.T.: 0.007 min
Response: 1417961086
Conc: 1069.05 ng/ml

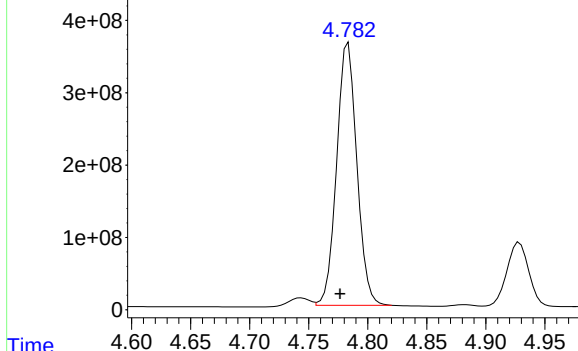
Response_ Signal: PL091996.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.917 min
Delta R.T.: 0.002 min
Response: 1786016876
Conc: 1188.22 ng/ml

Response_ Signal: PL091996.D\ECD1A.ch



#7 delta-BHC

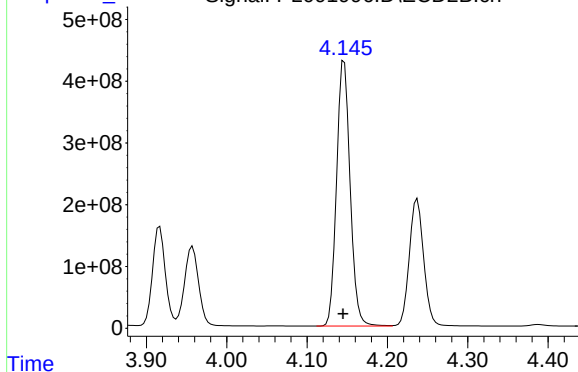
R.T.: 4.782 min
Delta R.T.: 0.006 min
Response: 4320775403
Conc: 1498.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

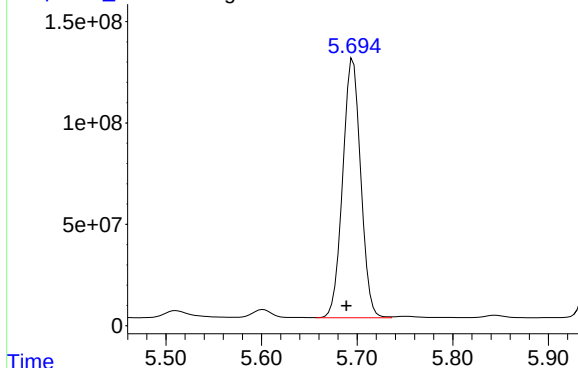
Response_ Signal: PL091996.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.146 min
Delta R.T.: 0.002 min
Response: 5040310489
Conc: 1451.83 ng/ml

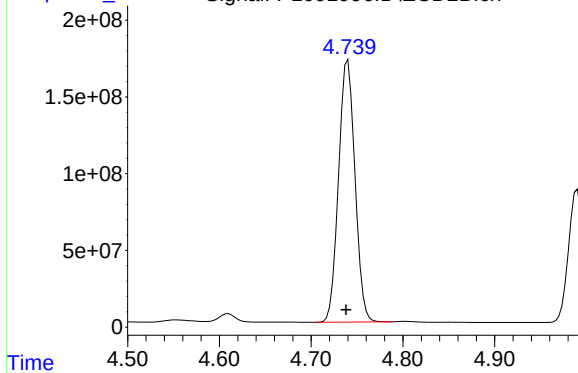
Response_ Signal: PL091996.D\ECD1A.ch



#8 Heptachlor epoxide

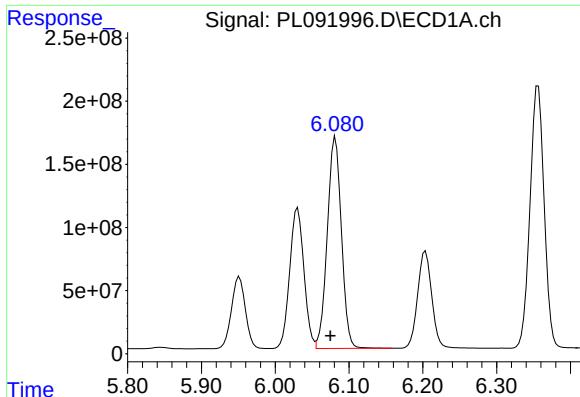
R.T.: 5.696 min
Delta R.T.: 0.007 min
Response: 1678035548
Conc: 659.35 ng/ml

Response_ Signal: PL091996.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.740 min
Delta R.T.: 0.002 min
Response: 2125024900
Conc: 702.98 ng/ml



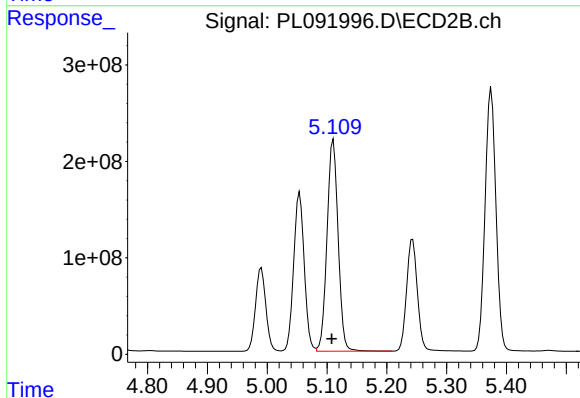
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.007 min
Response: 2228037547
Conc: 963.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

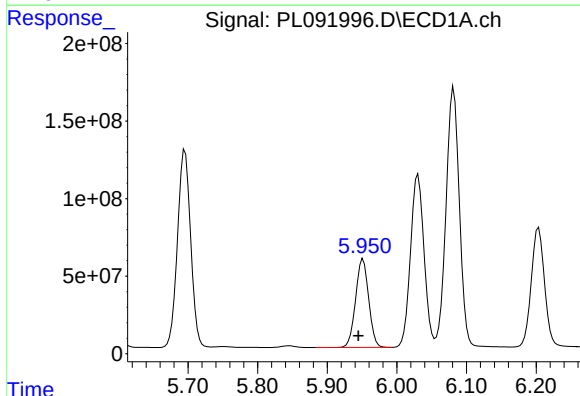
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



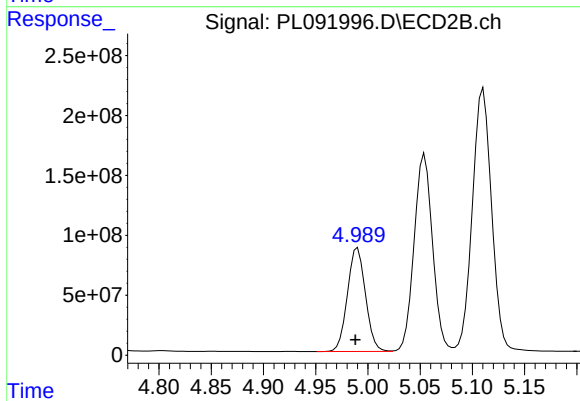
#9 Endosulfan I

R.T.: 5.111 min
Delta R.T.: 0.002 min
Response: 2820642078
Conc: 1027.69 ng/ml



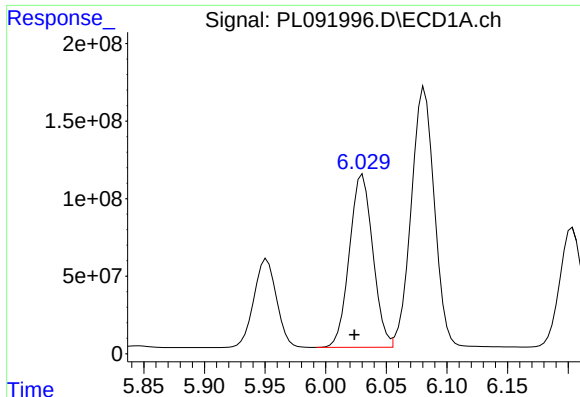
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 743821414
Conc: 301.00 ng/ml



#10 gamma-Chlordane

R.T.: 4.990 min
Delta R.T.: 0.002 min
Response: 1039142737
Conc: 345.39 ng/ml



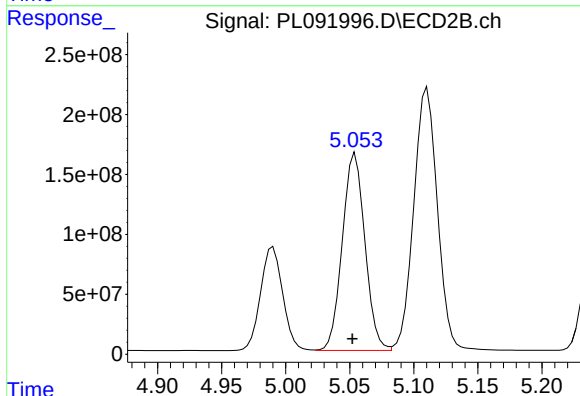
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 1496669003
Conc: 607.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

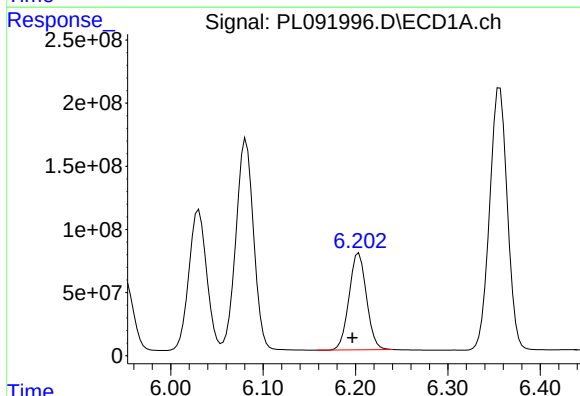
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



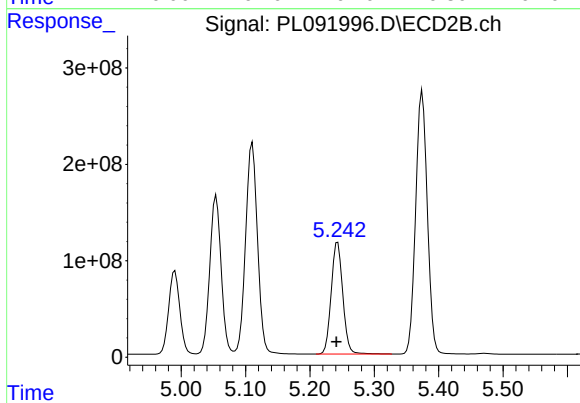
#11 alpha-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.002 min
Response: 2019833528
Conc: 674.73 ng/ml



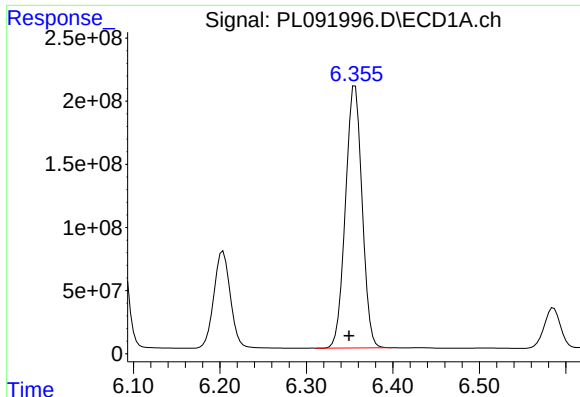
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.007 min
Response: 1004910260
Conc: 464.29 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 1450328399
Conc: 521.92 ng/ml



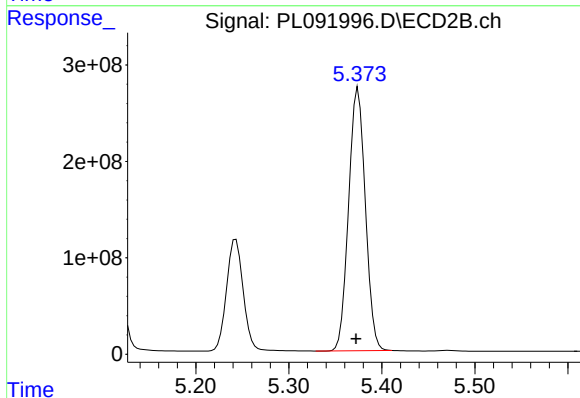
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.007 min
Response: 2760832212
Conc: 1132.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

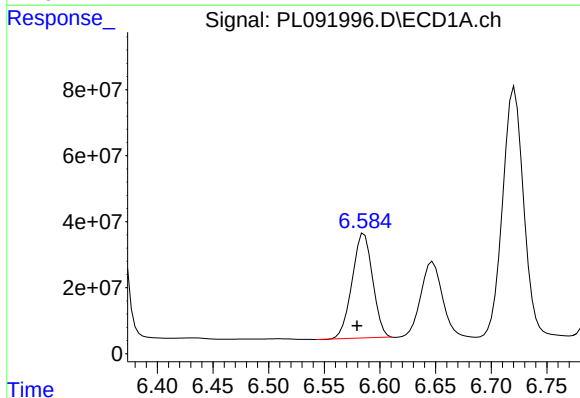
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



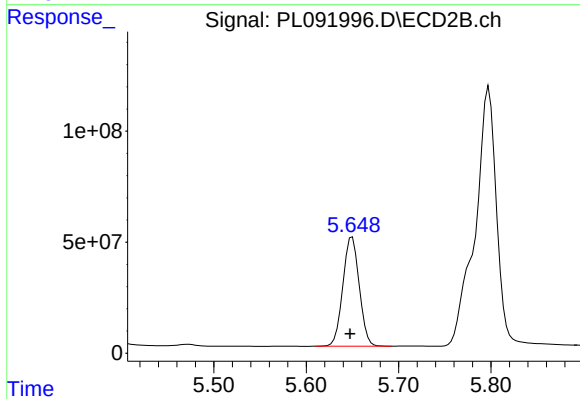
#13 Dieldrin

R.T.: 5.374 min
Delta R.T.: 0.002 min
Response: 3408682712
Conc: 1162.64 ng/ml



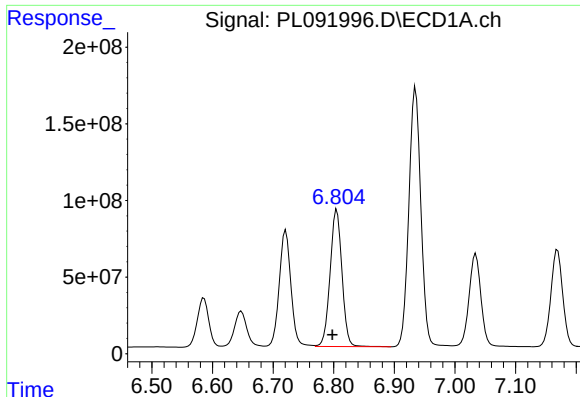
#14 Endrin

R.T.: 6.586 min
Delta R.T.: 0.007 min
Response: 406294764
Conc: 197.16 ng/ml



#14 Endrin

R.T.: 5.650 min
Delta R.T.: 0.002 min
Response: 607669071
Conc: 231.74 ng/ml



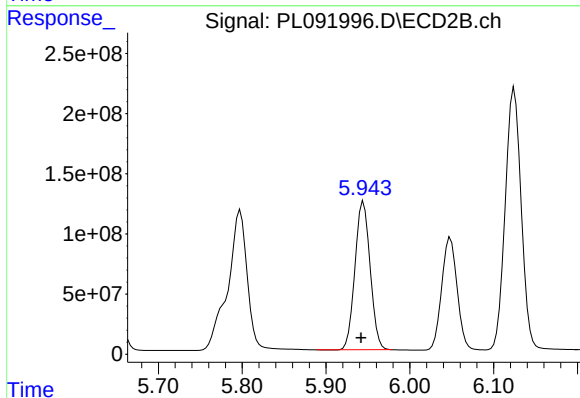
#15 Endosulfan II

R.T.: 6.805 min
Delta R.T.: 0.007 min
Response: 1213536341
Conc: 551.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

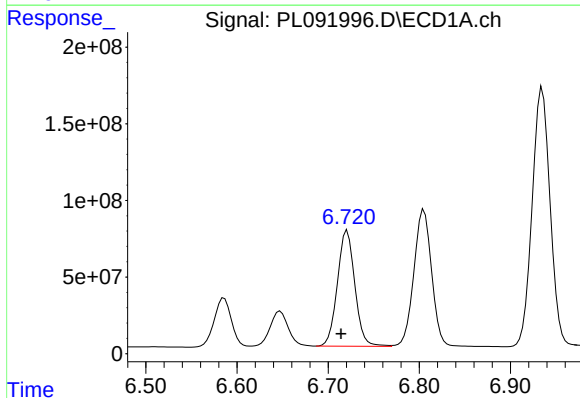
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



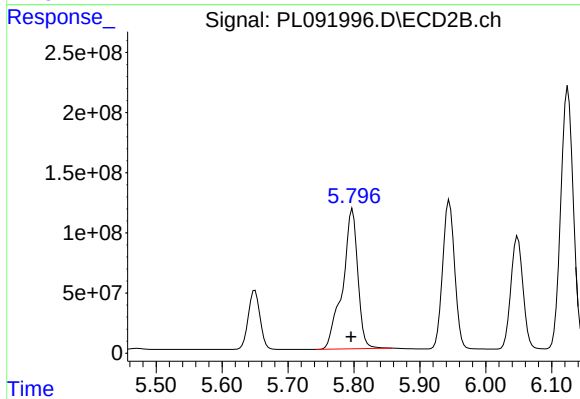
#15 Endosulfan II

R.T.: 5.945 min
Delta R.T.: 0.003 min
Response: 1554443120
Conc: 621.18 ng/ml



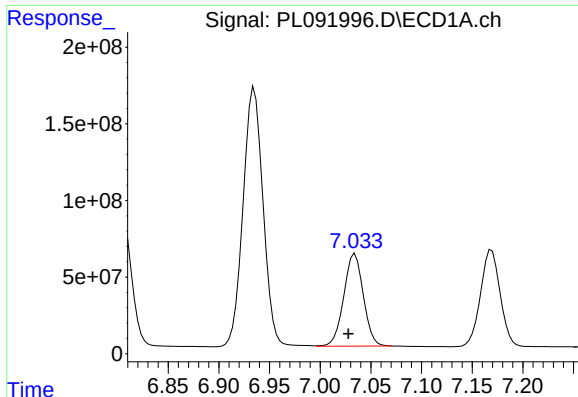
#16 4,4'-DDD

R.T.: 6.721 min
Delta R.T.: 0.007 min
Response: 1004650107
Conc: 559.47 ng/ml



#16 4,4'-DDD

R.T.: 5.798 min
Delta R.T.: 0.002 min
Response: 1862988108
Conc: 872.10 ng/ml



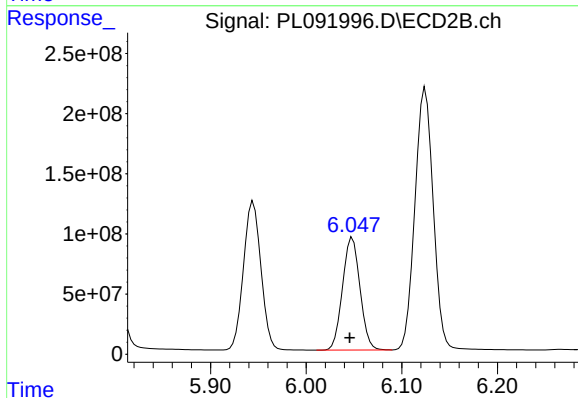
#17 4,4'-DDT

R.T.: 7.034 min
Delta R.T.: 0.006 min
Response: 807110799
Conc: 438.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

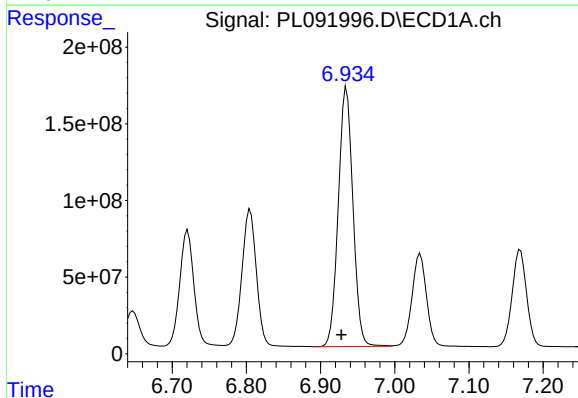
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



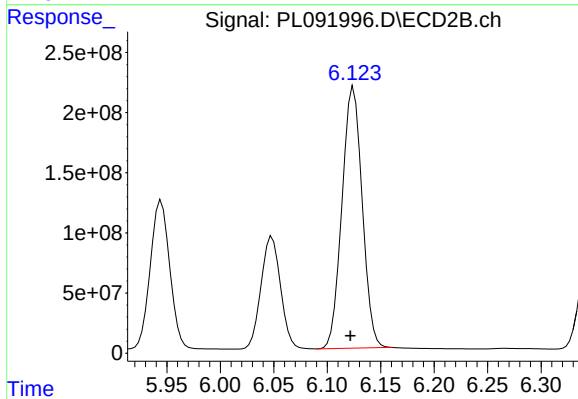
#17 4,4'-DDT

R.T.: 6.048 min
Delta R.T.: 0.003 min
Response: 1193071024
Conc: 515.77 ng/ml



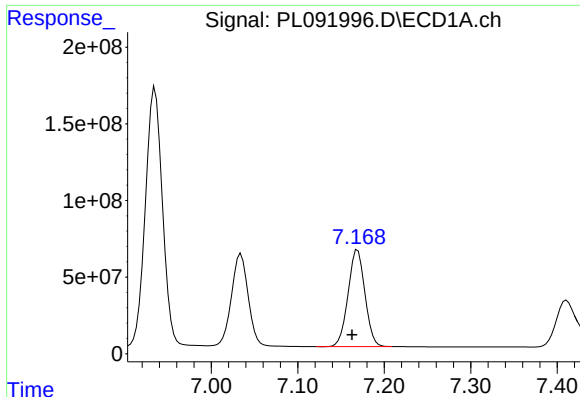
#18 Endrin aldehyde

R.T.: 6.935 min
Delta R.T.: 0.007 min
Response: 2321505979
Conc: 1332.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.125 min
Delta R.T.: 0.003 min
Response: 2862714930
Conc: 1402.79 ng/ml



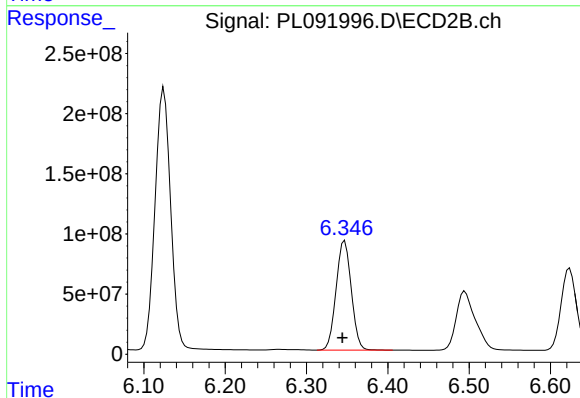
#19 Endosulfan Sulfate

R.T.: 7.169 min
Delta R.T.: 0.006 min
Response: 851523932
Conc: 429.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

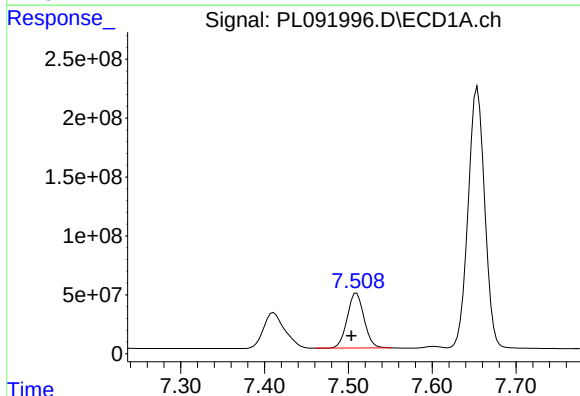
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



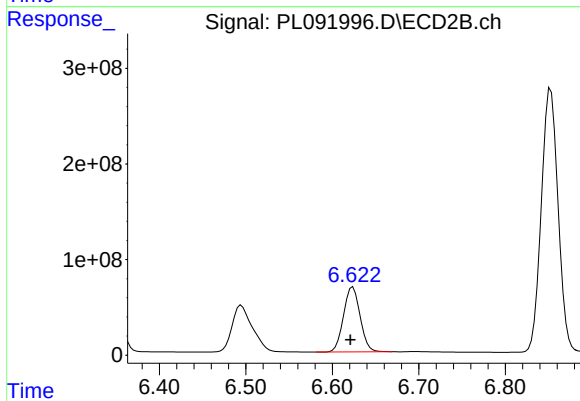
#19 Endosulfan Sulfate

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 1179332576
Conc: 488.84 ng/ml



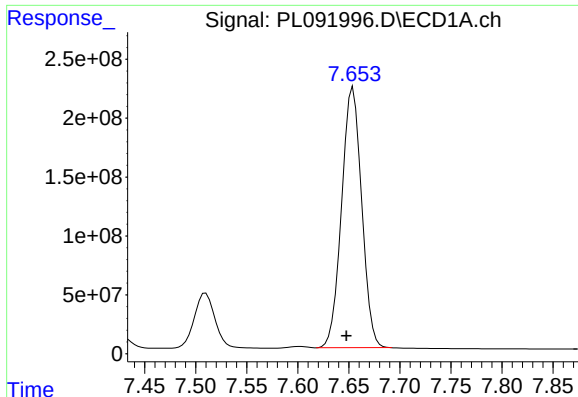
#20 Methoxychlor

R.T.: 7.510 min
Delta R.T.: 0.006 min
Response: 651905286
Conc: 664.05 ng/ml



#20 Methoxychlor

R.T.: 6.624 min
Delta R.T.: 0.003 min
Response: 900438572
Conc: 720.15 ng/ml



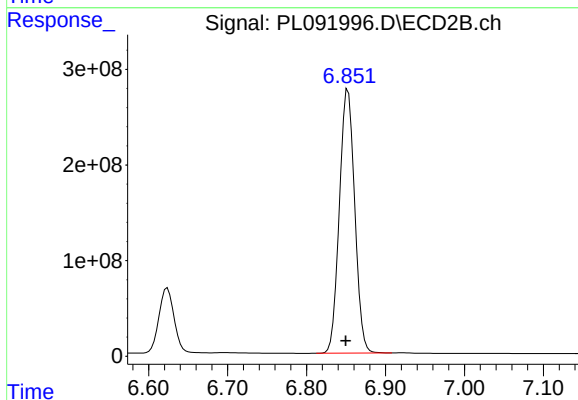
#21 Endrin ketone

R.T.: 7.654 min
Delta R.T.: 0.007 min
Response: 3026402285
Conc: 1377.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

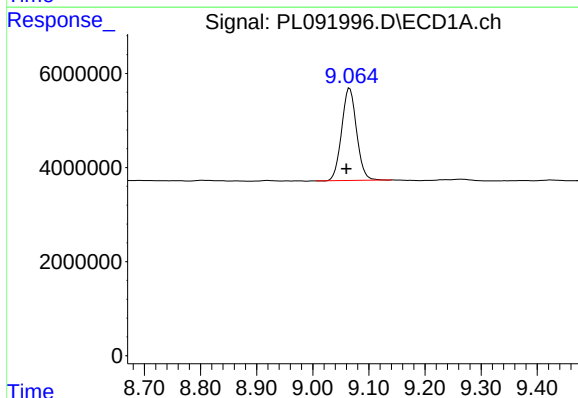
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



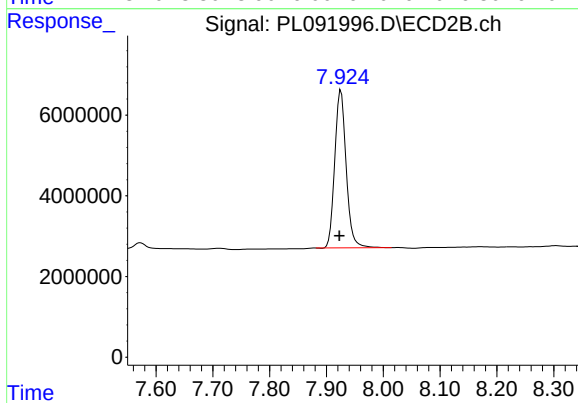
#21 Endrin ketone

R.T.: 6.852 min
Delta R.T.: 0.003 min
Response: 3722189717
Conc: 1344.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.005 min
Response: 36213216
Conc: 22.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.003 min
Response: 54736437
Conc: 21.88 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-PEST-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-09DL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091999.D	10	09/09/24 10:10	09/24/24 13:19	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	13.8	ED	0.061	0.50	ug/L
319-85-7	beta-BHC	11.7	ED	0.14	0.50	ug/L
319-86-8	delta-BHC	14.7	ED	0.15	0.50	ug/L
58-89-9	gamma-BHC (Lindane)	6.40	D	0.049	0.50	ug/L
76-44-8	Heptachlor	4.40	D	0.054	0.50	ug/L
309-00-2	Aldrin	7.30	D	0.044	0.50	ug/L
1024-57-3	Heptachlor epoxide	7.40	D	0.090	0.50	ug/L
959-98-8	Endosulfan I	11.2	ED	0.050	0.50	ug/L
60-57-1	Dieldrin	12.6	ED	0.047	0.50	ug/L
72-55-9	4,4-DDE	4.70	D	0.045	0.50	ug/L
72-20-8	Endrin	2.00	D	0.043	0.50	ug/L
33213-65-9	Endosulfan II	6.20	D	0.075	0.50	ug/L
72-54-8	4,4-DDD	7.30	DP	0.092	0.50	ug/L
1031-07-8	Endosulfan Sulfate	4.90	D	0.035	0.50	ug/L
50-29-3	4,4-DDT	4.40	D	0.044	0.50	ug/L
72-43-5	Methoxychlor	7.70	D	0.11	0.50	ug/L
53494-70-5	Endrin ketone	15.8	ED	0.097	0.50	ug/L
7421-93-4	Endrin aldehyde	15.9	ED	0.099	0.50	ug/L
5103-71-9	alpha-Chlordane	6.40	D	0.060	0.50	ug/L
5103-74-2	gamma-Chlordane	3.20	D	0.060	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		43 - 140	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	33.5	*	77 - 126	168%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/03/24	
Project:	NJ Waste Water PT		Date Received:	09/05/24	
Client Sample ID:	PT-PEST-WPDL		SDG No.:	P3845	
Lab Sample ID:	P3845-09DL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091999.D	10	09/09/24 10:10	09/24/24 13:19	PB163229

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\PL092424\
 Data File : PL091999.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 13:19
 Operator : AR\AJ
 Sample : P3845-09DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-WPDL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:17:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.783	7446427	5560697	3.347m	2.217 #
28)	SA Decachlor...	9.065	7.925	3909788	5616144	2.387	2.245
Target Compounds							
2)	A alpha-BHC	4.005	3.287	390.5E6	503.0E6	126.103	138.052
3)	MA gamma-BHC...	4.336	3.617	183.2E6	227.3E6	59.120	64.359
4)	MA Heptachlor	4.925	3.956	113.8E6	150.9E6	41.162	43.723
5)	MB Aldrin	5.267	4.236	184.7E6	249.6E6	66.514	73.399
6)	B beta-BHC	4.534	3.916	141.7E6	175.9E6	106.801	117.052
7)	B delta-BHC	4.780	4.145	382.1E6	509.0E6	132.473m	146.602
8)	B Heptachlo...	5.693	4.739	175.4E6	223.2E6	68.902	73.825
9)	A Endosulfan I	6.078	5.109	231.7E6	307.9E6	100.176	112.191
10)	B gamma-Chl...	5.949	4.989	80139757	92047595	32.430	30.595
11)	B alpha-Chl...	6.028	5.053	147.8E6	190.1E6	60.006	63.520
12)	B 4,4'-DDE	6.201	5.242	94345807	129.6E6	43.589	46.620
13)	MA Dieldrin	6.353	5.373	271.4E6	370.9E6	111.295	126.493
14)	MA Endrin	6.583	5.648	42169586	53631689	20.464	20.453
15)	B Endosulfa...	6.802	5.944	126.0E6	155.9E6	57.273	62.294
16)	A 4,4'-DDD	6.718	5.796	97491929	154.9E6	54.291	72.511 #
17)	MA 4,4'-DDT	7.032	6.047	77364789	101.3E6	42.019	43.787
18)	B Endrin al...	6.933	6.123	247.6E6	324.3E6	142.079	158.938
19)	B Endosulfa...	7.167	6.345	91672191	117.3E6	46.246	48.611
20)	A Methoxychlor	7.507	6.622	71857284	95973300	73.196	76.757
21)	B Endrin ke...	7.651	6.851	315.0E6	437.2E6	143.324	157.878

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 13:19
Operator : AR\AJ
Sample : P3845-09DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WPDL

Manual Integrations

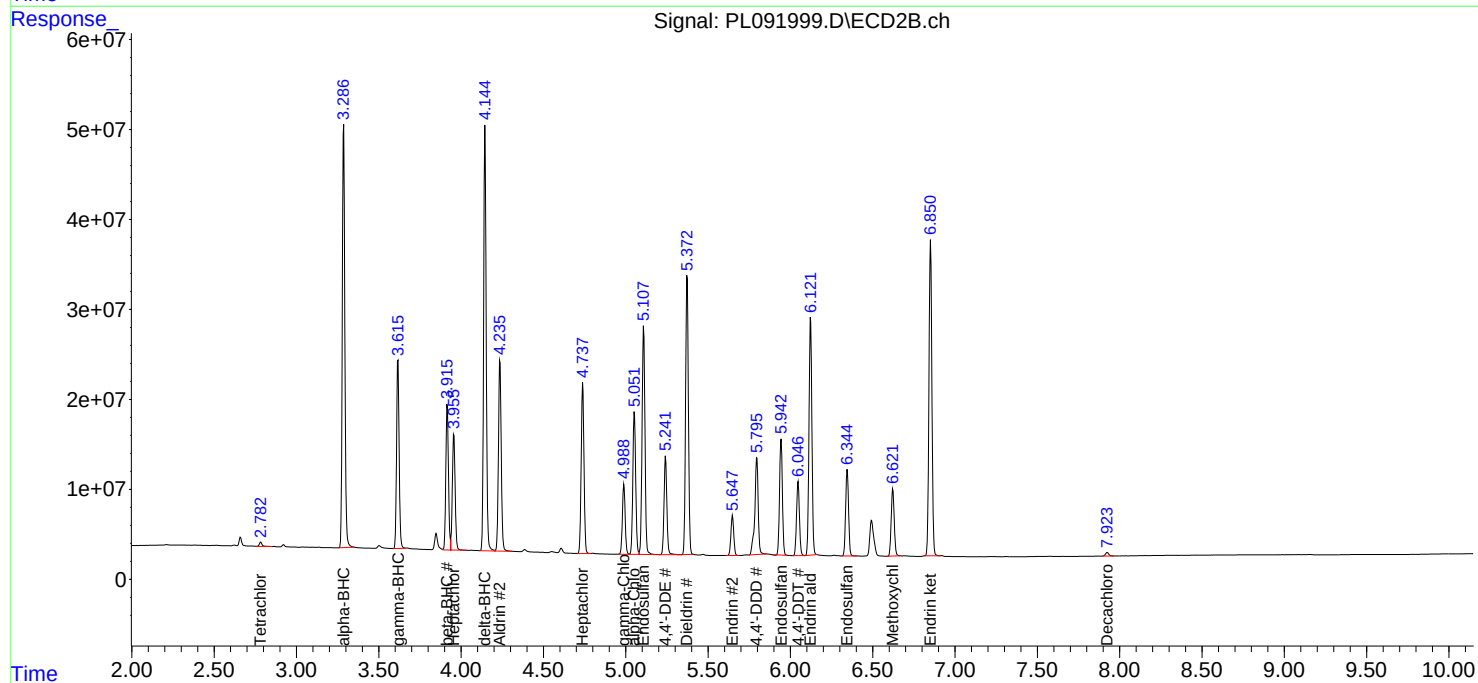
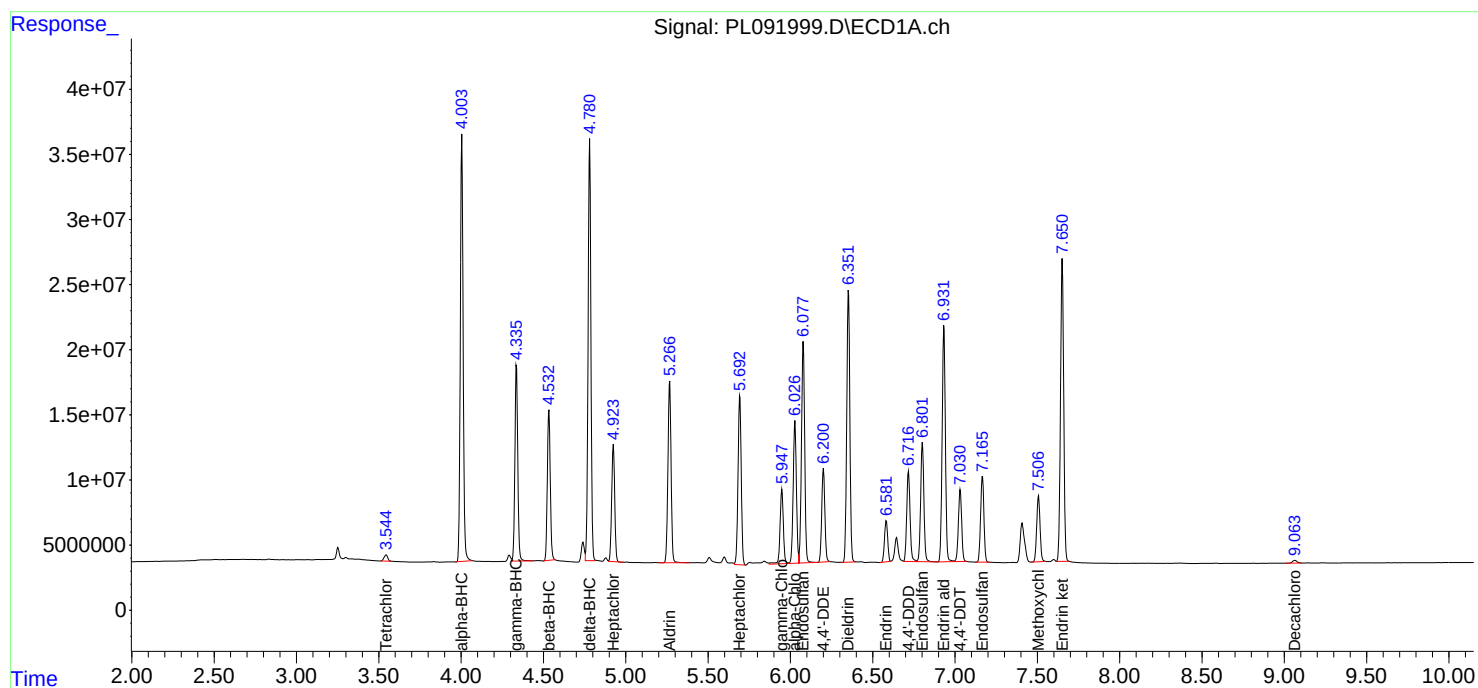
APPROVED

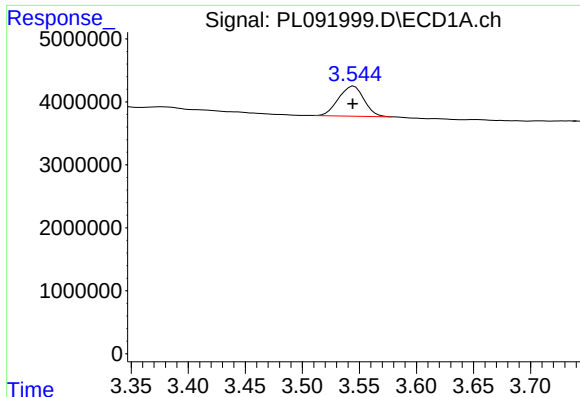
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/26/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:17:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





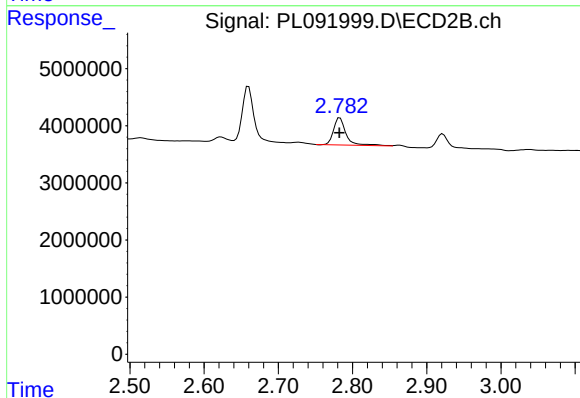
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 7446427
Conc: 3.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

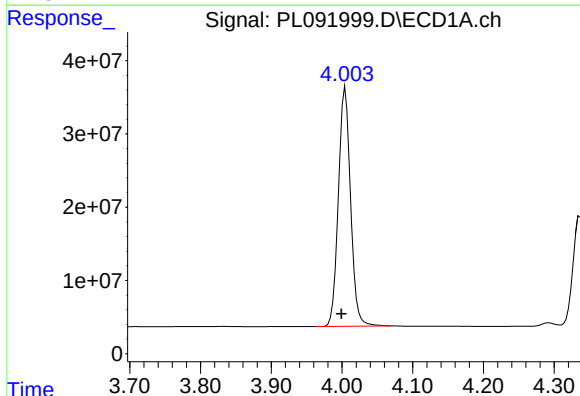
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



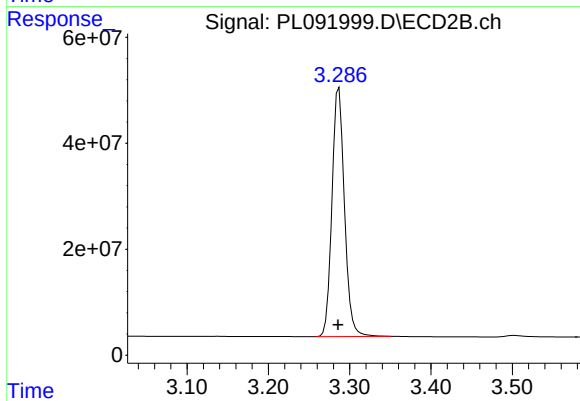
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 5560697
Conc: 2.22 ng/ml



#2 alpha-BHC

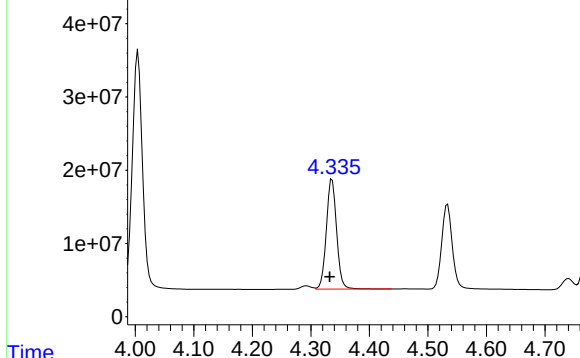
R.T.: 4.005 min
Delta R.T.: 0.005 min
Response: 390481418
Conc: 126.10 ng/ml



#2 alpha-BHC

R.T.: 3.287 min
Delta R.T.: 0.001 min
Response: 502967561
Conc: 138.05 ng/ml

Response_ Signal: PL091999.D\ECD1A.ch



#3 gamma-BHC (Lindane)

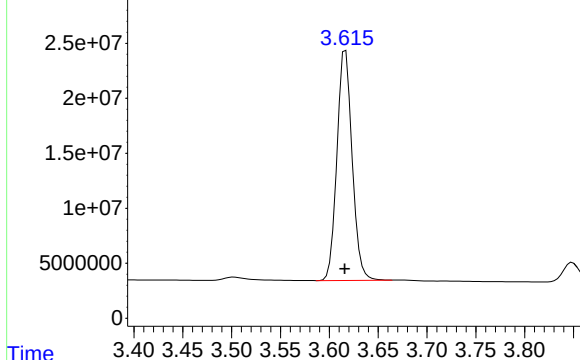
R.T.: 4.336 min
Delta R.T.: 0.004 min
Response: 183202187
Conc: 59.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024

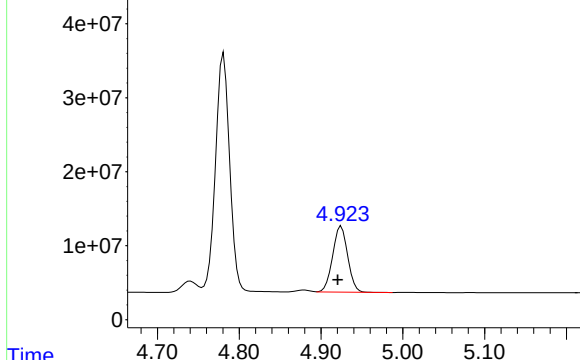
Response_ Signal: PL091999.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.617 min
Delta R.T.: 0.000 min
Response: 227250397
Conc: 64.36 ng/ml

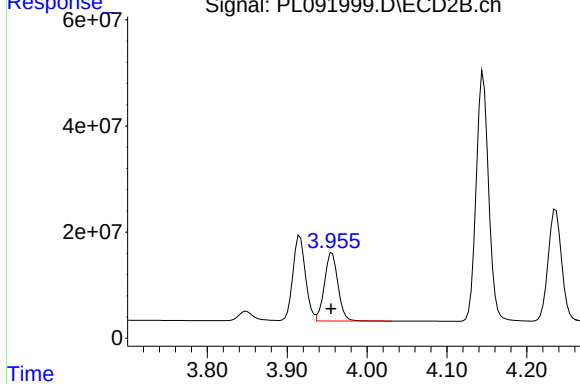
Response_ Signal: PL091999.D\ECD1A.ch



#4 Heptachlor

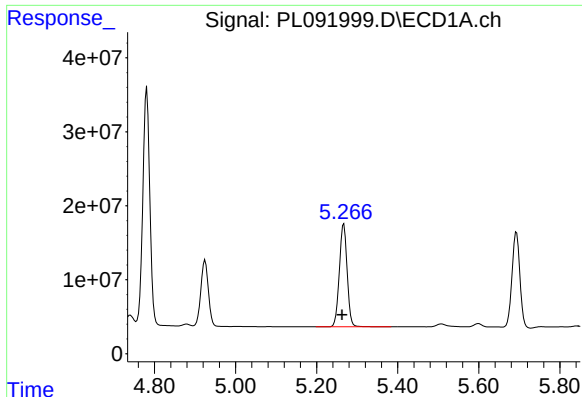
R.T.: 4.925 min
Delta R.T.: 0.004 min
Response: 113832762
Conc: 41.16 ng/ml

Response_ Signal: PL091999.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.956 min
Delta R.T.: 0.001 min
Response: 150871826
Conc: 43.72 ng/ml



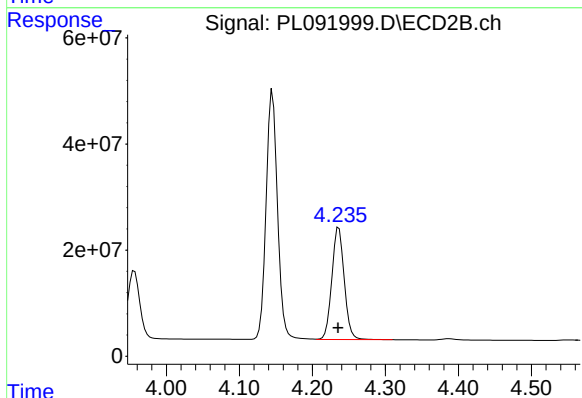
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: 0.004 min
Response: 184747323
Conc: 66.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

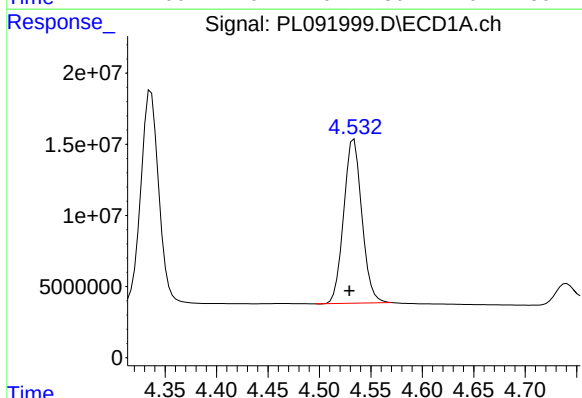
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



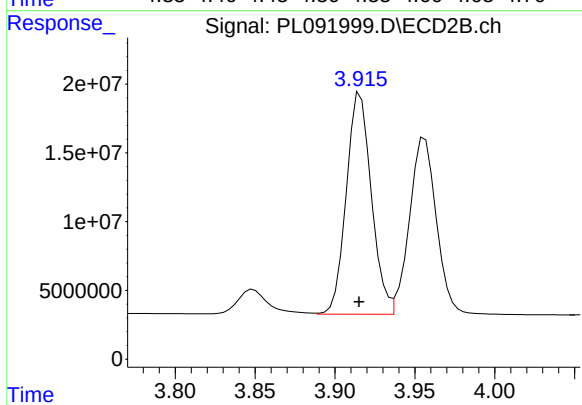
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 249638786
Conc: 73.40 ng/ml



#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.004 min
Response: 141657822
Conc: 106.80 ng/ml

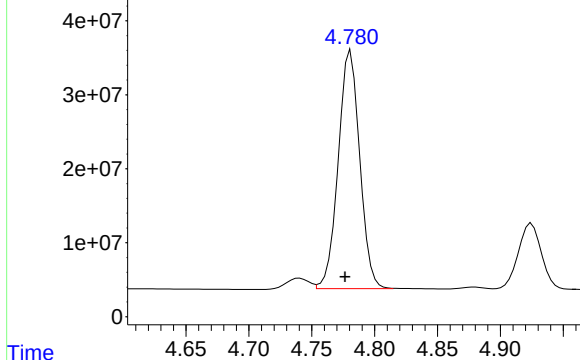


#6 beta-BHC

R.T.: 3.916 min
Delta R.T.: 0.000 min
Response: 175940078
Conc: 117.05 ng/ml

Response_ Signal: PL091999.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.780 min
Delta R.T.: 0.003 min
Response: 382079625
Conc: 132.47 ng/ml

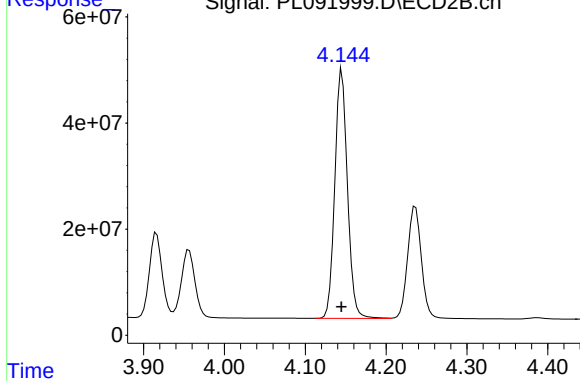
Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024

Time Response_ Signal: PL091999.D\ECD2B.ch

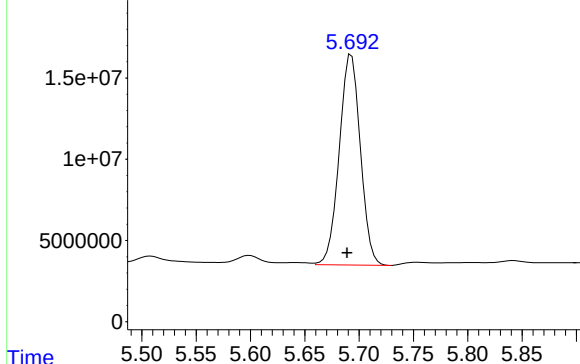
#7 delta-BHC



R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 508957582
Conc: 146.60 ng/ml

Response_ Signal: PL091999.D\ECD1A.ch

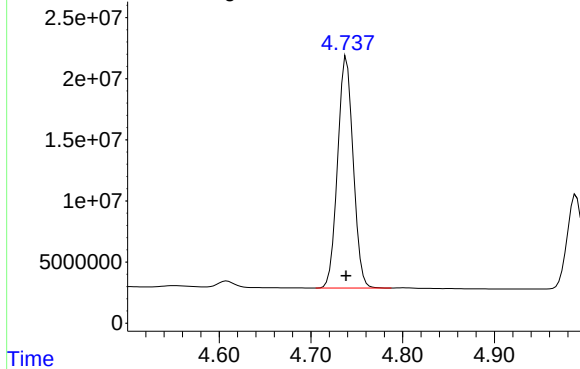
#8 Heptachlor epoxide



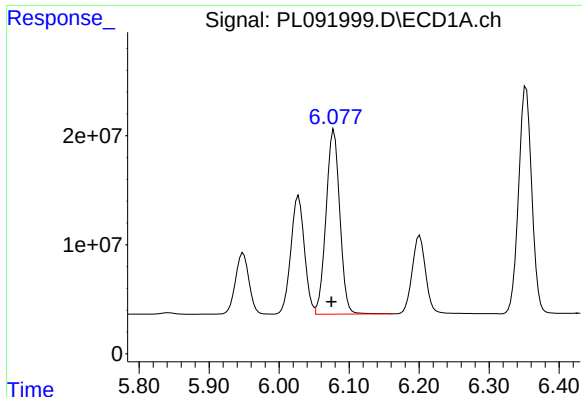
R.T.: 5.693 min
Delta R.T.: 0.004 min
Response: 175355283
Conc: 68.90 ng/ml

Time Response_ Signal: PL091999.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 223164776
Conc: 73.83 ng/ml



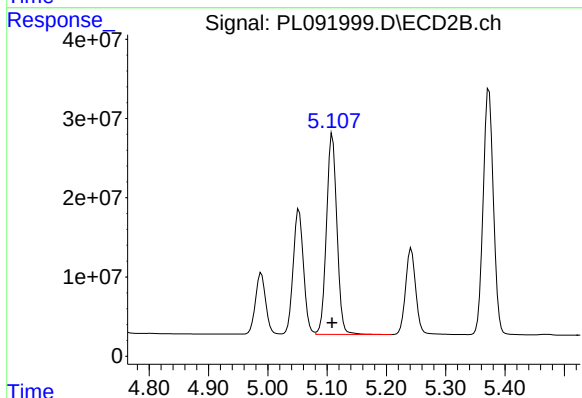
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.003 min
Response: 231746609
Conc: 100.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

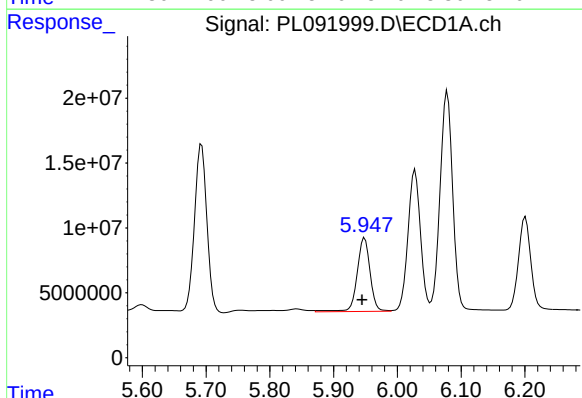
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



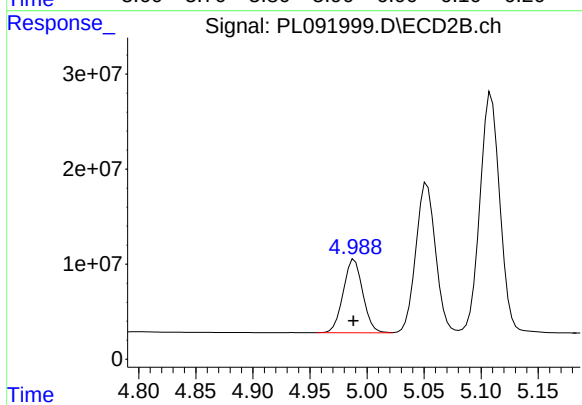
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 307922408
Conc: 112.19 ng/ml



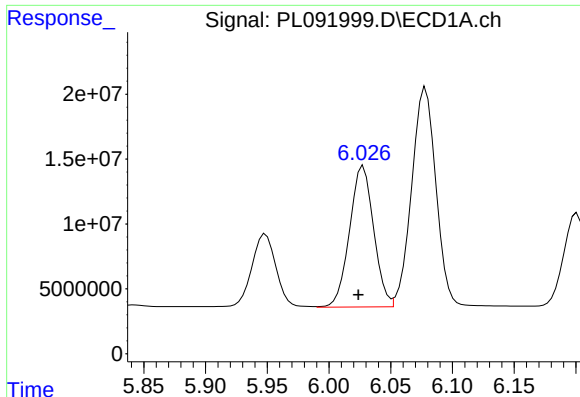
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.004 min
Response: 80139757
Conc: 32.43 ng/ml



#10 gamma-Chlordane

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 92047595
Conc: 30.60 ng/ml



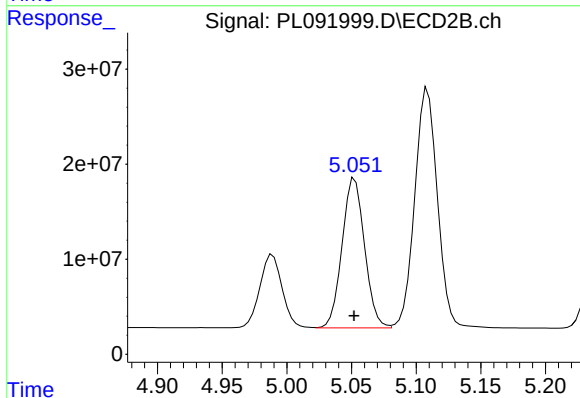
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.004 min
Response: 147814356
Conc: 60.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

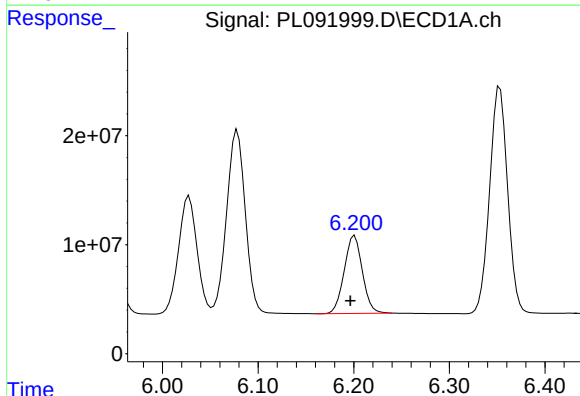
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



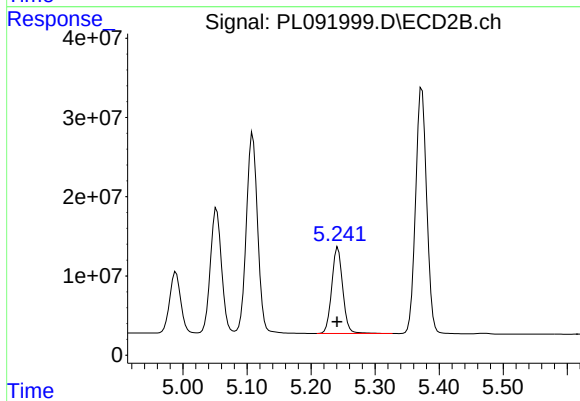
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 190149119
Conc: 63.52 ng/ml



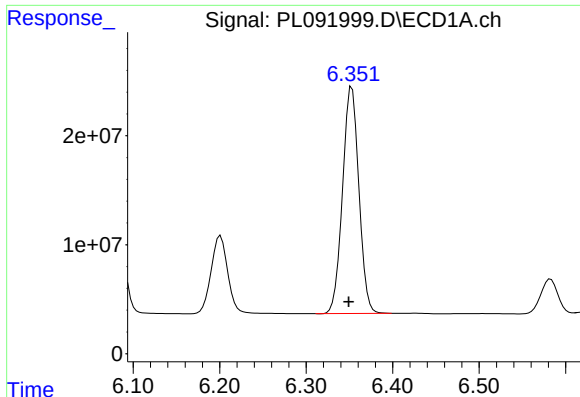
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.004 min
Response: 94345807
Conc: 43.59 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min
Delta R.T.: 0.001 min
Response: 129551000
Conc: 46.62 ng/ml



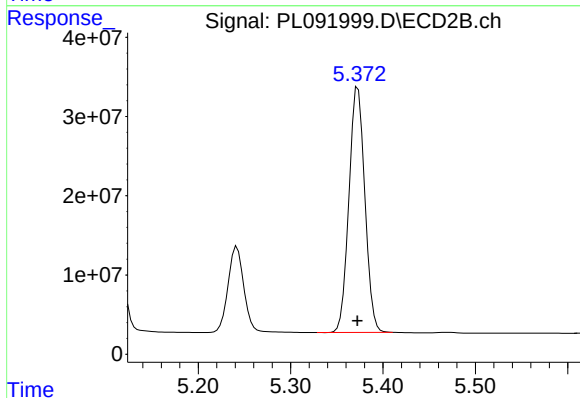
#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.004 min
Response: 271433386
Conc: 111.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

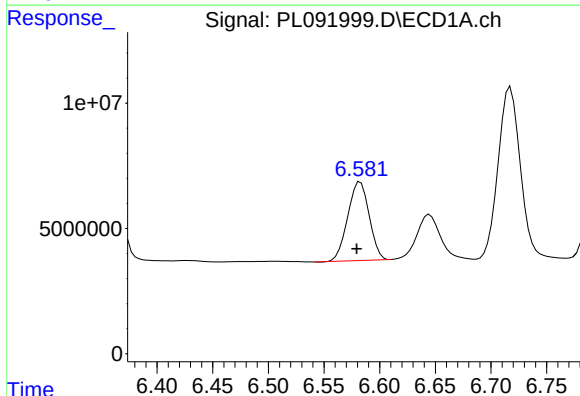
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



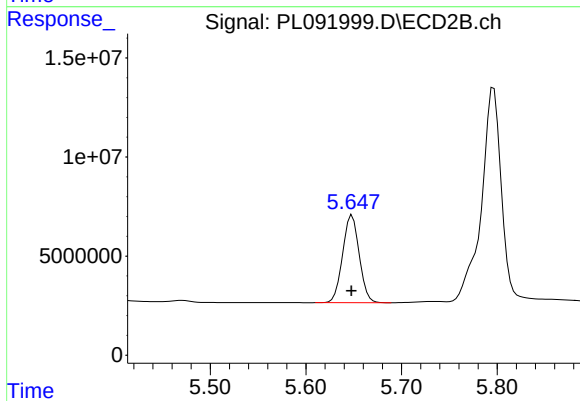
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 370857156
Conc: 126.49 ng/ml



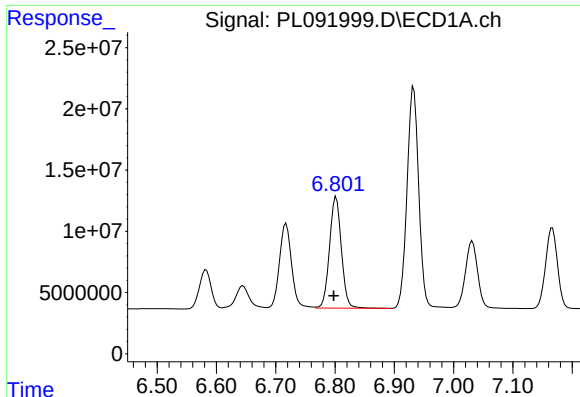
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.003 min
Response: 42169586
Conc: 20.46 ng/ml



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 53631689
Conc: 20.45 ng/ml



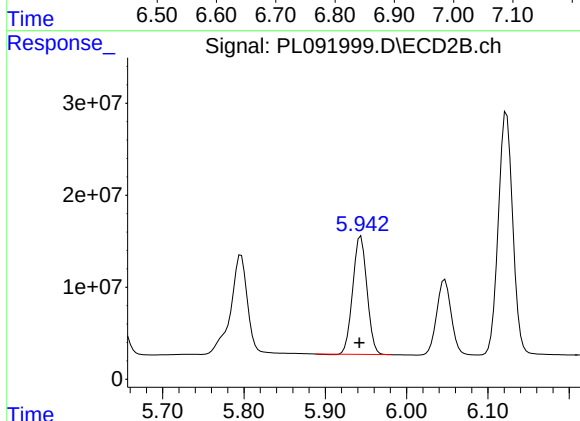
#15 Endosulfan II

R.T.: 6.802 min
Delta R.T.: 0.004 min
Response: 125985744
Conc: 57.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

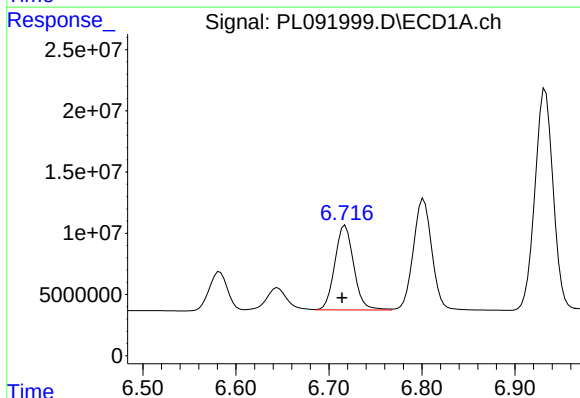
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



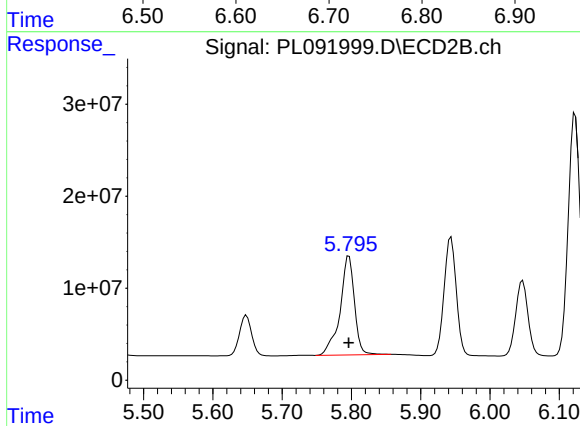
#15 Endosulfan II

R.T.: 5.944 min
Delta R.T.: 0.002 min
Response: 155885591
Conc: 62.29 ng/ml



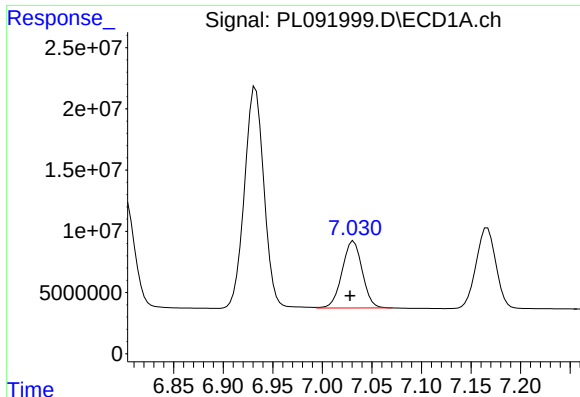
#16 4,4'-DDD

R.T.: 6.718 min
Delta R.T.: 0.003 min
Response: 97491929
Conc: 54.29 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 154899358
Conc: 72.51 ng/ml



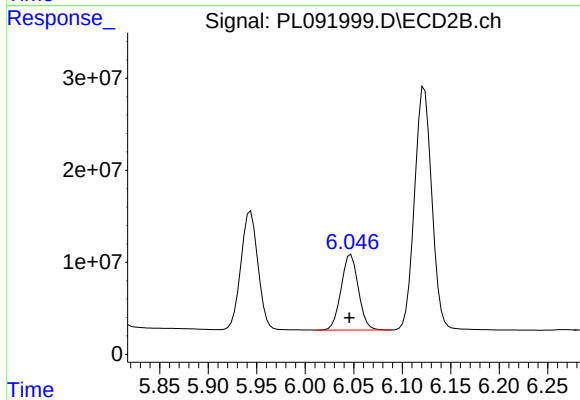
#17 4,4'-DDT

R.T.: 7.032 min
Delta R.T.: 0.004 min
Response: 77364789
Conc: 42.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

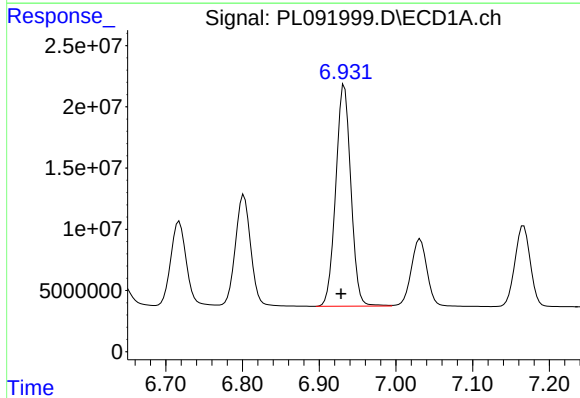
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



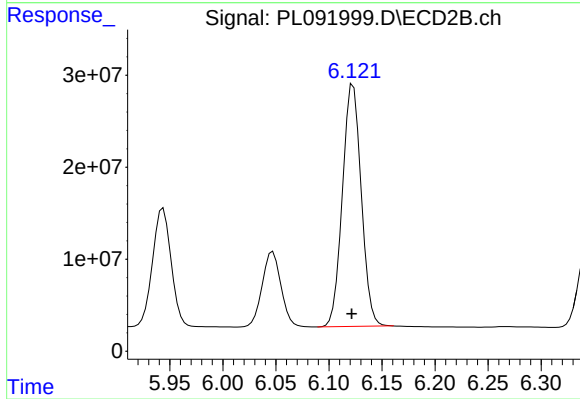
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.002 min
Response: 101285705
Conc: 43.79 ng/ml



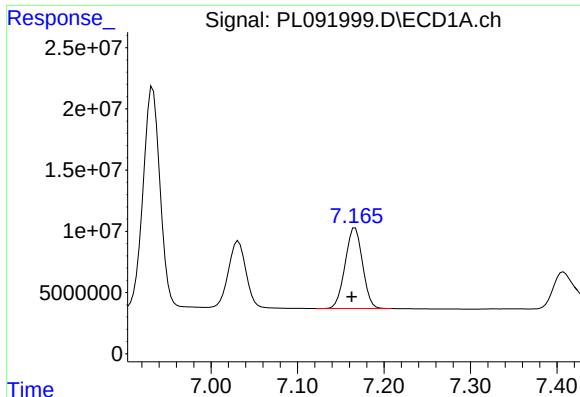
#18 Endrin aldehyde

R.T.: 6.933 min
Delta R.T.: 0.004 min
Response: 247610798
Conc: 142.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.001 min
Response: 324349124
Conc: 158.94 ng/ml



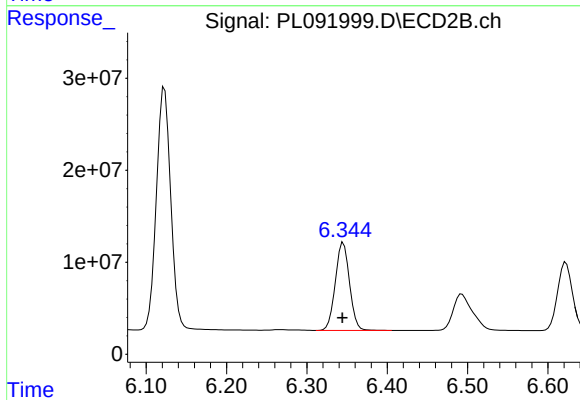
#19 Endosulfan Sulfate

R.T.: 7.167 min
Delta R.T.: 0.004 min
Response: 91672191
Conc: 46.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

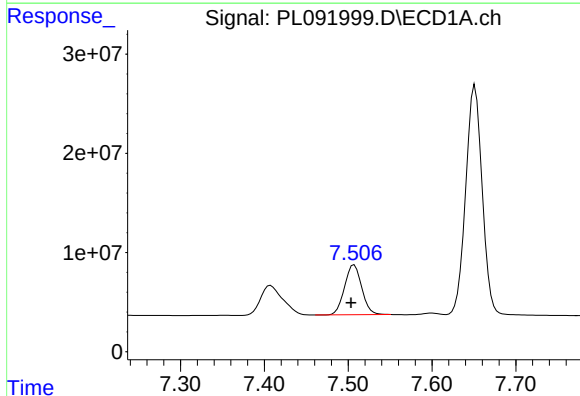
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



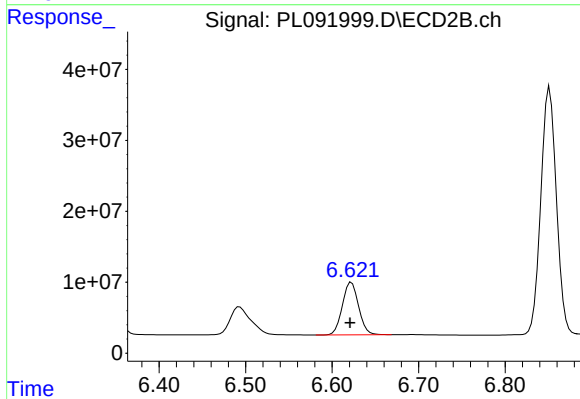
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 117274226
Conc: 48.61 ng/ml



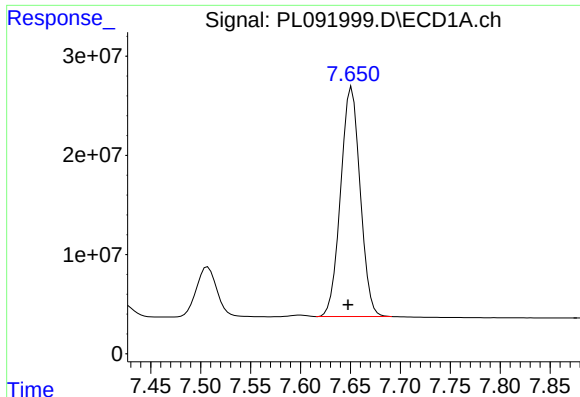
#20 Methoxychlor

R.T.: 7.507 min
Delta R.T.: 0.004 min
Response: 71857284
Conc: 73.20 ng/ml



#20 Methoxychlor

R.T.: 6.622 min
Delta R.T.: 0.002 min
Response: 95973300
Conc: 76.76 ng/ml



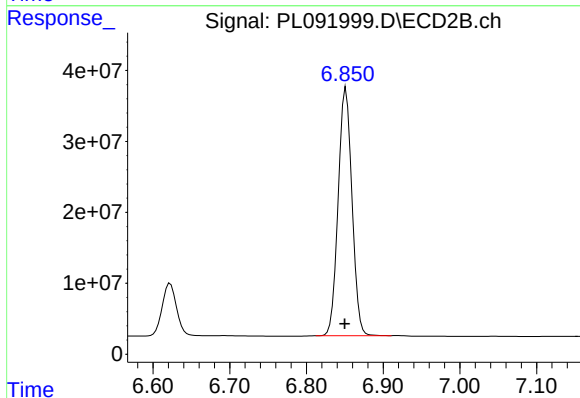
#21 Endrin ketone

R.T.: 7.651 min
Delta R.T.: 0.004 min
Response: 314962820
Conc: 143.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

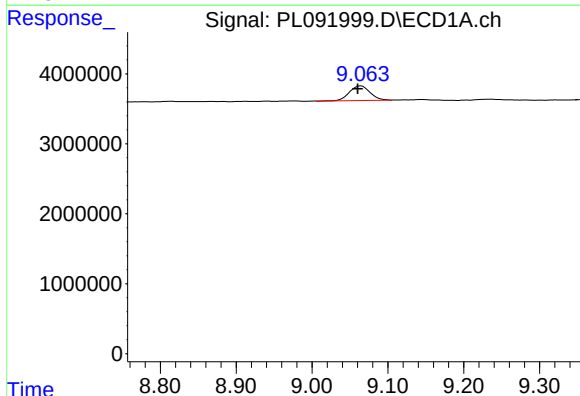
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/26/2024



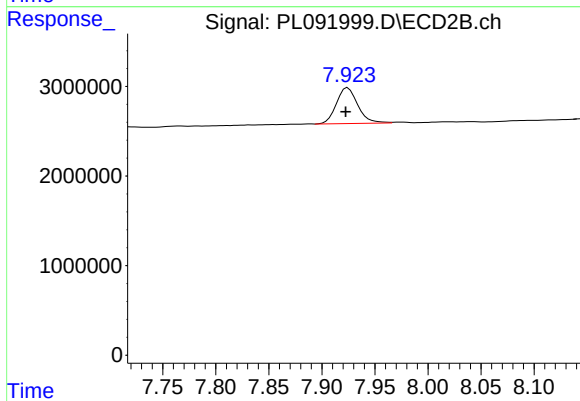
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.002 min
Response: 437156740
Conc: 157.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.004 min
Response: 3909788
Conc: 2.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.002 min
Response: 5616144
Conc: 2.24 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/03/24	
Project:	NJ Waste Water PT		Date Received:	09/05/24	
Client Sample ID:	PT-PEST-WPDL2		SDG No.:	P3845	
Lab Sample ID:	P3845-09DL2		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092000.D	20	09/09/24 10:10	09/24/24 13:32	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	13.1	D	0.12	1.00	ug/L
319-85-7	beta-BHC	11.6	D	0.28	1.00	ug/L
319-86-8	delta-BHC	13.9	D	0.30	1.00	ug/L
58-89-9	gamma-BHC (Lindane)	6.10	D	0.098	1.00	ug/L
76-44-8	Heptachlor	4.30	D	0.11	1.00	ug/L
309-00-2	Aldrin	6.90	D	0.088	1.00	ug/L
1024-57-3	Heptachlor epoxide	7.20	D	0.18	1.00	ug/L
959-98-8	Endosulfan I	10.8	D	0.10	1.00	ug/L
60-57-1	Dieldrin	12.0	D	0.094	1.00	ug/L
72-55-9	4,4-DDE	4.50	D	0.090	1.00	ug/L
72-20-8	Endrin	2.20	D	0.086	1.00	ug/L
33213-65-9	Endosulfan II	6.00	D	0.15	1.00	ug/L
72-54-8	4,4-DDD	7.10	D	0.18	1.00	ug/L
1031-07-8	Endosulfan Sulfate	4.90	D	0.070	1.00	ug/L
50-29-3	4,4-DDT	4.40	D	0.088	1.00	ug/L
72-43-5	Methoxychlor	7.80	D	0.22	1.00	ug/L
53494-70-5	Endrin ketone	15.5	D	0.19	1.00	ug/L
7421-93-4	Endrin aldehyde	15.6	D	0.20	1.00	ug/L
5103-71-9	alpha-Chlordane	6.10	D	0.12	1.00	ug/L
5103-74-2	gamma-Chlordane	3.20	D	0.12	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.4		43 - 140	137%	SPK: 20
877-09-8	Tetrachloro-m-xylene	35.6	*	77 - 126	178%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/03/24	
Project:	NJ Waste Water PT		Date Received:	09/05/24	
Client Sample ID:	PT-PEST-WPDL2		SDG No.:	P3845	
Lab Sample ID:	P3845-09DL2		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092000.D	20	09/09/24 10:10	09/24/24 13:32	PB163229

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\PL092424\
 Data File : PL092000.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 13:32
 Operator : AR\AJ
 Sample : P3845-09DL2 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-WPDL2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:18:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.781	3965300	2610723	1.782	1.041m#
28)	SA Decachlor...	9.060	7.923	1918063	3427174	1.171	1.370
Target Compounds							
2)	A alpha-BHC	4.000	3.286	189.4E6	238.3E6	61.180	65.400
3)	MA gamma-BHC...	4.332	3.615	92799999	107.0E6	29.947	30.313
4)	MA Heptachlor	4.921	3.955	59198181	72128403	21.406	20.903
5)	MB Aldrin	5.263	4.235	93863127	117.9E6	33.793	34.656
6)	B beta-BHC	4.529	3.915	74249363	87534650	55.979	58.236
7)	B delta-BHC	4.776	4.144	187.6E6	241.8E6	65.032m	69.656
8)	B Heptachlo...	5.689	4.738	91405349	107.9E6	35.916	35.692
9)	A Endosulfan I	6.075	5.108	117.5E6	148.8E6	50.792	54.229
10)	B gamma-Chl...	5.945	4.988	39135674	44663233	15.837	14.845
11)	B alpha-Chl...	6.024	5.052	75335096	91414213	30.583	30.537
12)	B 4,4'-DDE	6.197	5.240	49182938	61421358	22.723	22.103
13)	MA Dieldrin	6.350	5.372	136.4E6	175.8E6	55.910	59.965
14)	MA Endrin	6.579	5.647	22310611	26225580	10.827	10.001
15)	B Endosulfa...	6.799	5.942	64961331	75622177	29.532	30.220
16)	A 4,4'-DDD	6.714	5.795	51223226	75479636	28.525	35.333
17)	MA 4,4'-DDT	7.028	6.046	40364518	47682739	21.923	20.614
18)	B Endrin al...	6.929	6.122	127.5E6	159.6E6	73.175	78.204
19)	B Endosulfa...	7.163	6.344	48327182	56756160	24.380	23.526
20)	A Methoxychlor	7.503	6.621	38323112	48422867	39.037	38.728
21)	B Endrin ke...	7.648	6.850	160.0E6	215.0E6	72.825	77.631

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 13:32
Operator : AR\AJ
Sample : P3845-09DL2 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WPDL2

Manual Integrations

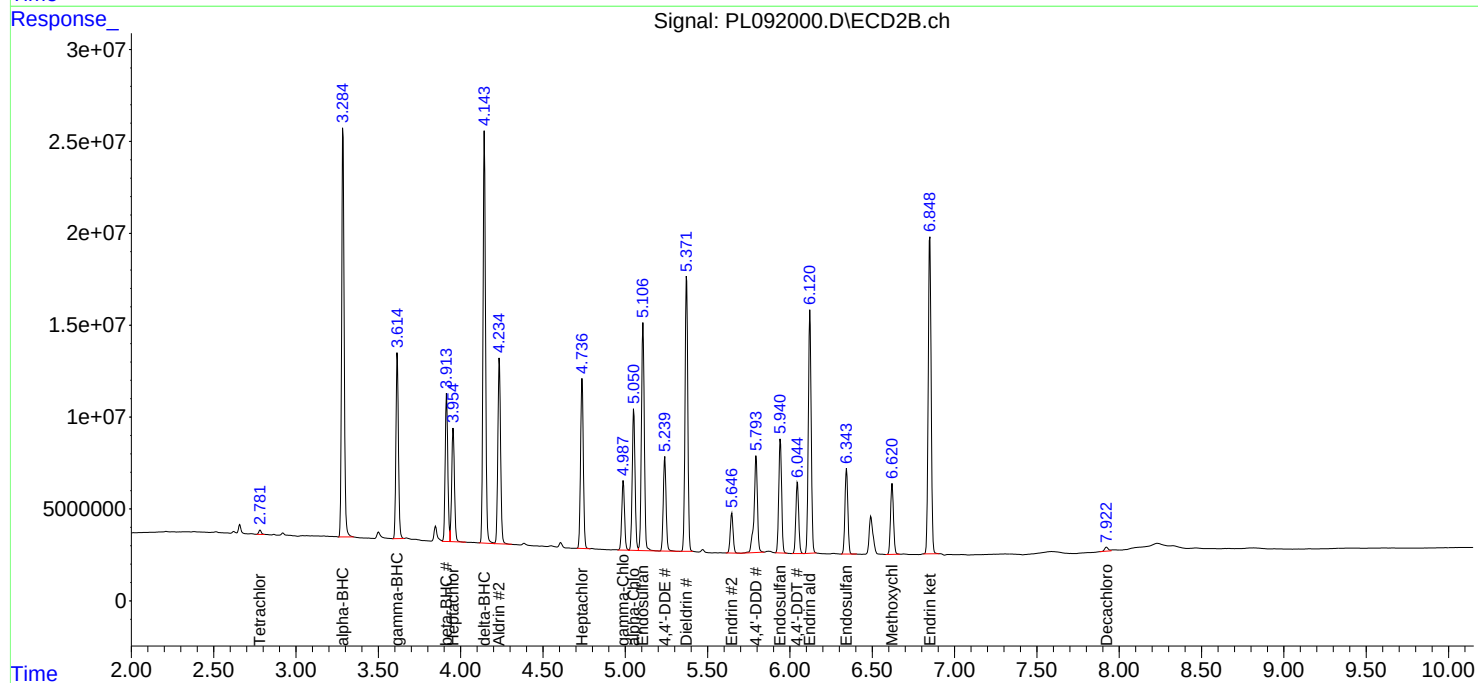
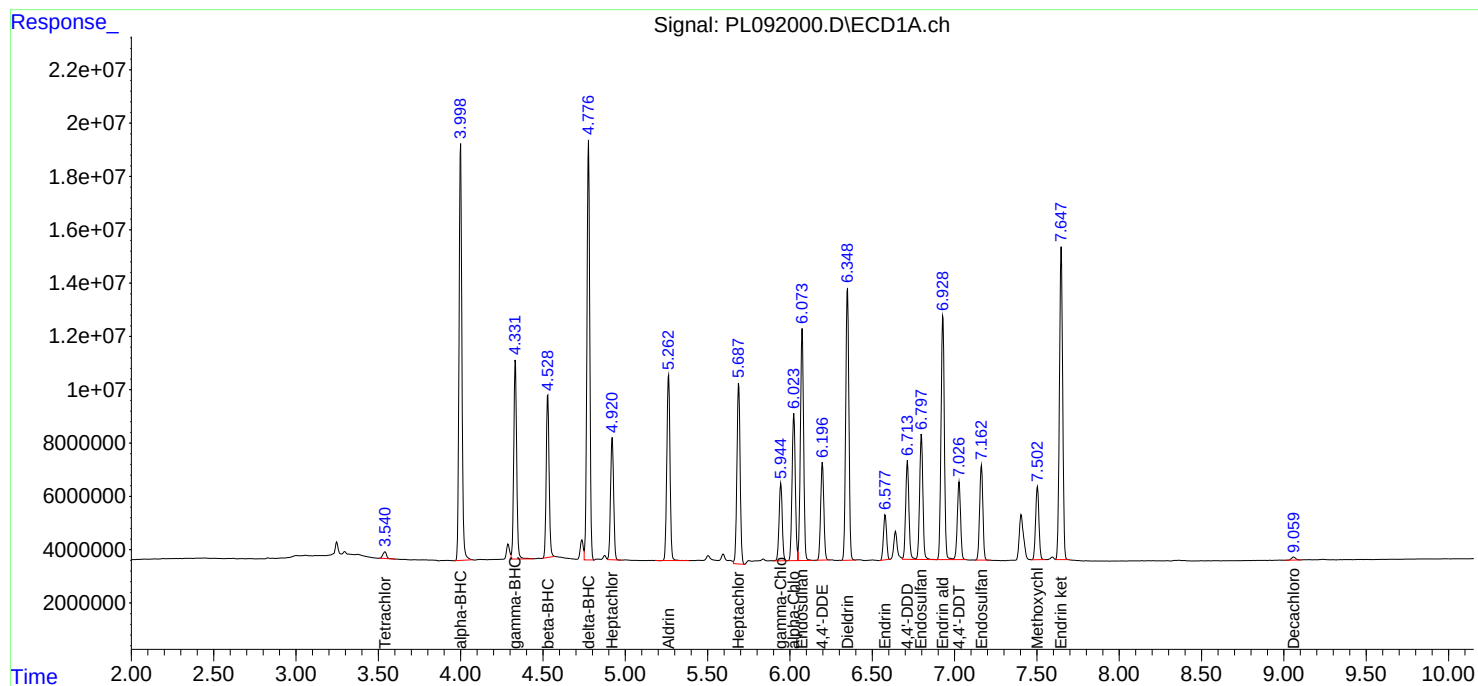
APPROVED

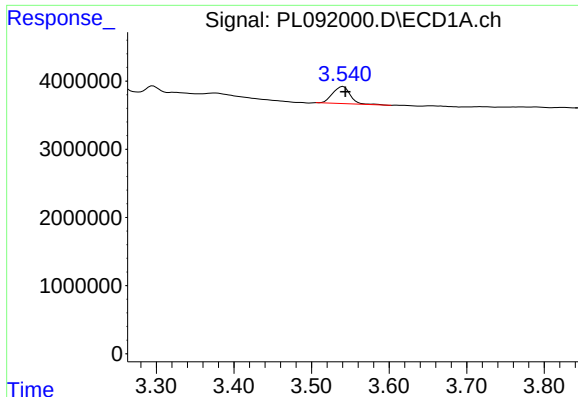
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:18:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





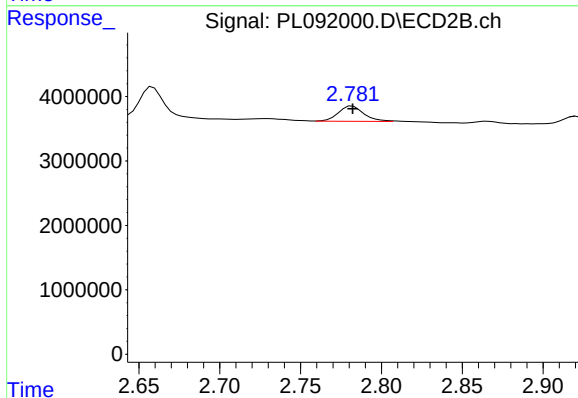
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: -0.003 min
Response: 3965300
Conc: 1.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

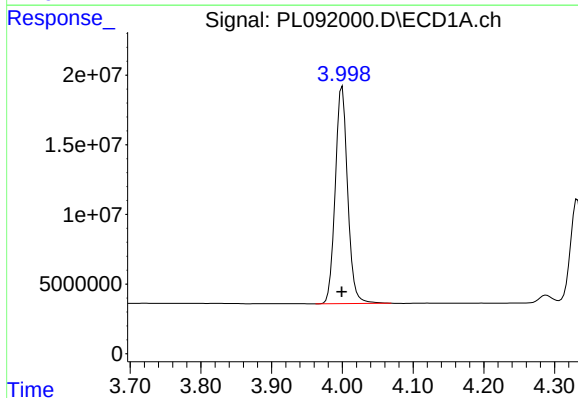
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



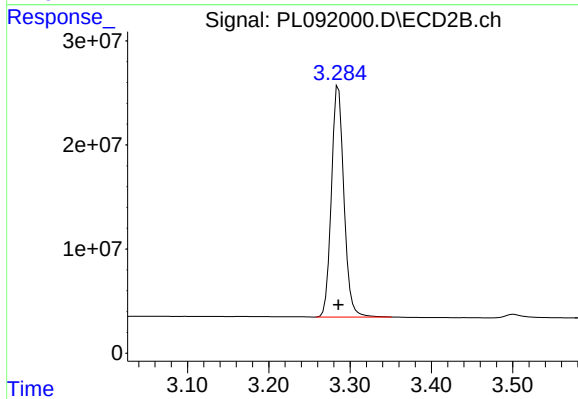
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.002 min
Response: 2610723
Conc: 1.04 ng/ml m



#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 189444314
Conc: 61.18 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 238273600
Conc: 65.40 ng/ml

Response_ Signal: PL092000.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 92799999
Conc: 29.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

Manual Integrations
APPROVED

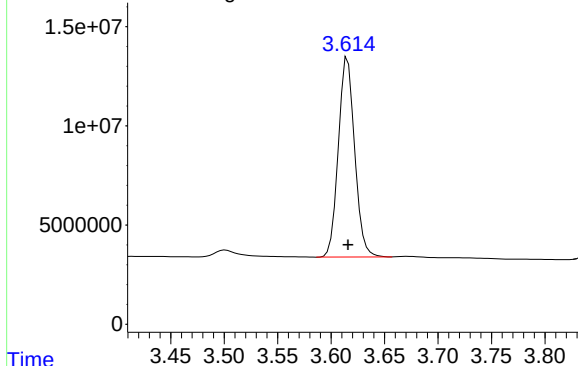
Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

Time

Response_ Signal: PL092000.D\ECD2B.ch

#3 gamma-BHC (Lindane)

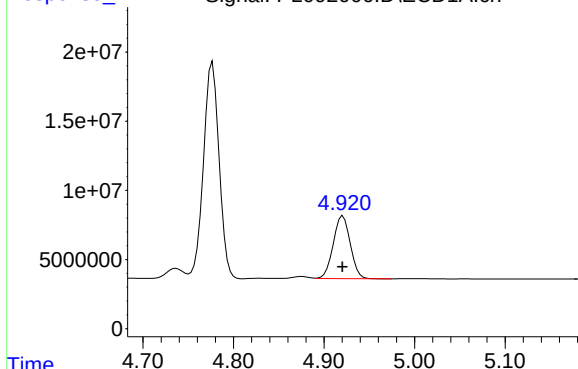
R.T.: 3.615 min
Delta R.T.: 0.000 min
Response: 107035734
Conc: 30.31 ng/ml



Response_ Signal: PL092000.D\ECD1A.ch

#4 Heptachlor

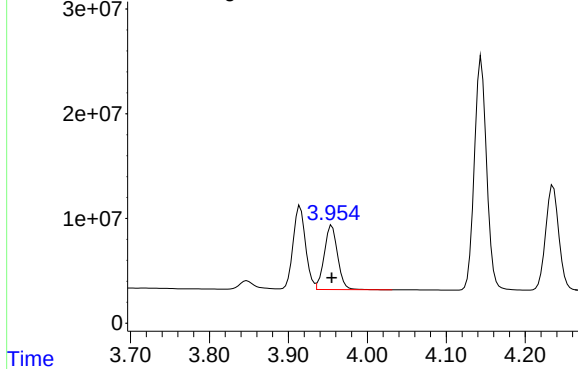
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 59198181
Conc: 21.41 ng/ml



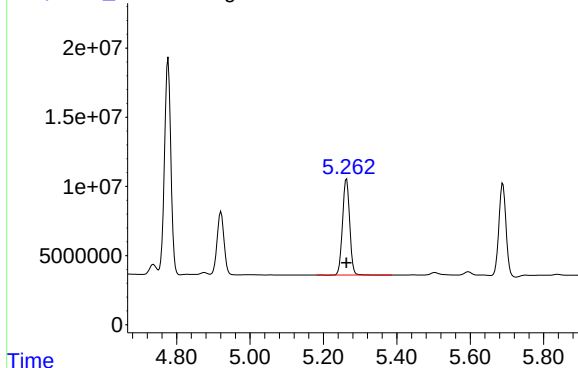
Response_ Signal: PL092000.D\ECD2B.ch

#4 Heptachlor

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 72128403
Conc: 20.90 ng/ml



Response_ Signal: PL092000.D\ECD1A.ch



#5 Aldrin

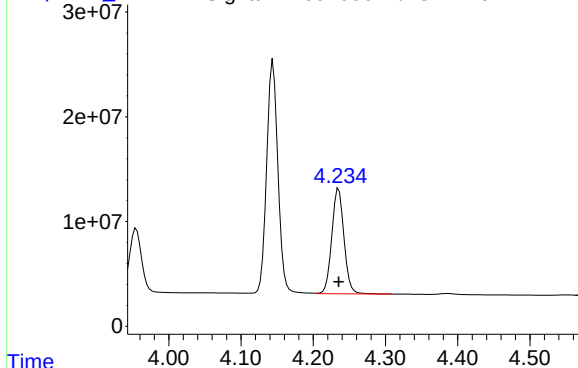
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 93863127
Conc: 33.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

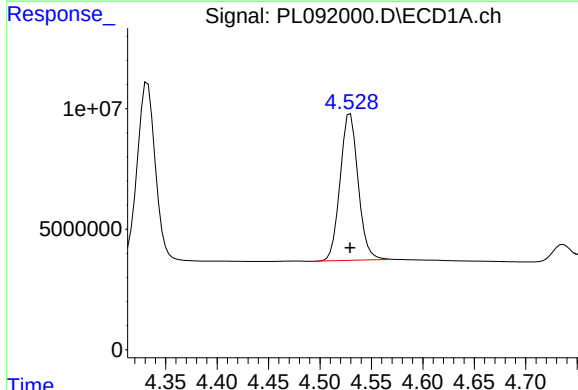
Time Response_ Signal: PL092000.D\ECD2B.ch



#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 117870098
Conc: 34.66 ng/ml

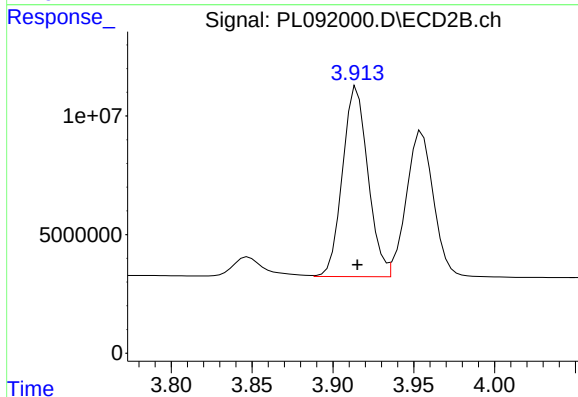
Time Response_ Signal: PL092000.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 74249363
Conc: 55.98 ng/ml

Time Response_ Signal: PL092000.D\ECD2B.ch

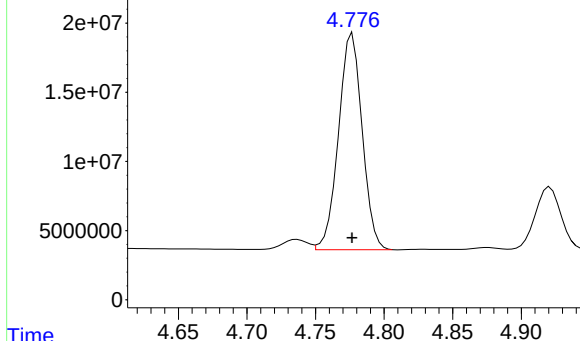


#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 87534650
Conc: 58.24 ng/ml

Response_ Signal: PL092000.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.776 min
Delta R.T.: -0.001 min
Response: 187565415
Conc: 65.03 ng/ml

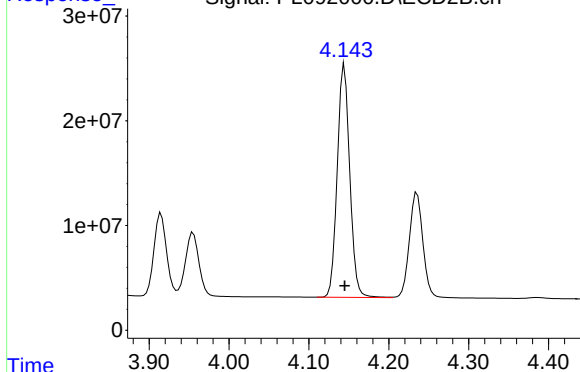
Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

Time Response_ Signal: PL092000.D\ECD2B.ch

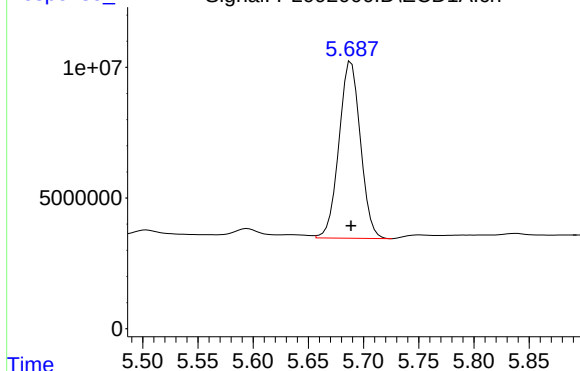
#7 delta-BHC



R.T.: 4.144 min
Delta R.T.: 0.000 min
Response: 241823297
Conc: 69.66 ng/ml

Response_ Signal: PL092000.D\ECD1A.ch

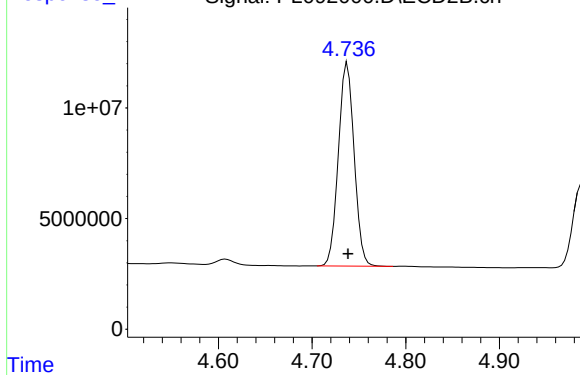
#8 Heptachlor epoxide



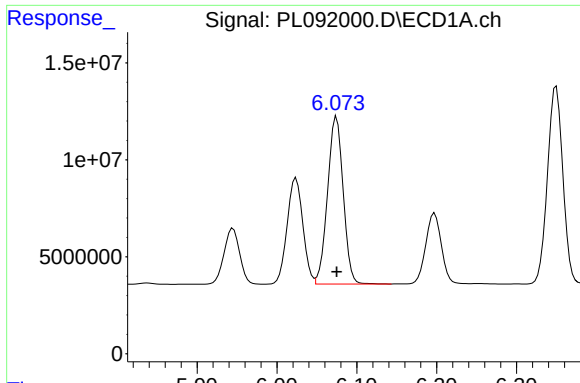
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 91405349
Conc: 35.92 ng/ml

Time Response_ Signal: PL092000.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 107893514
Conc: 35.69 ng/ml



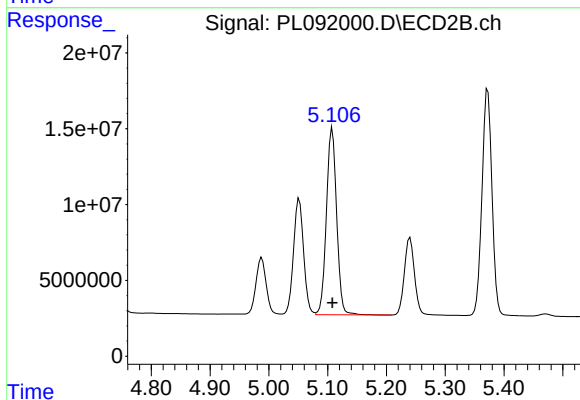
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 117502419
Conc: 50.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

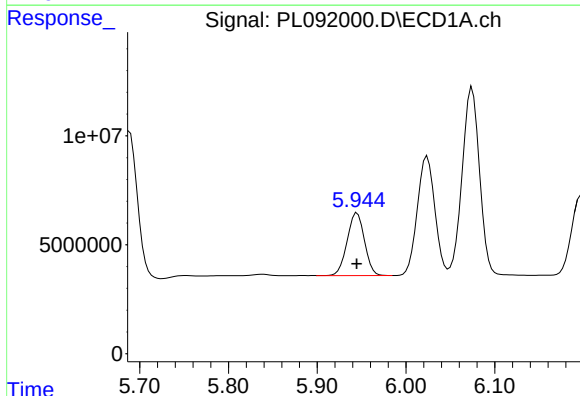
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



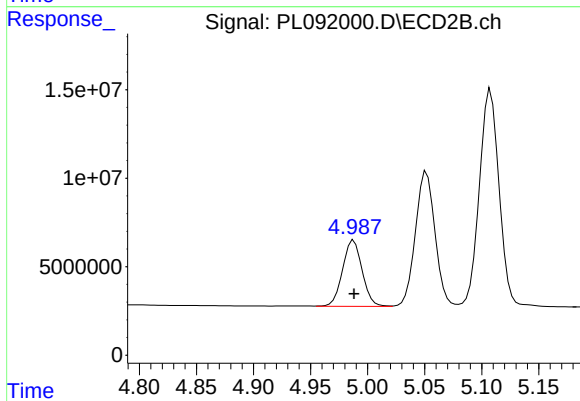
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 148837921
Conc: 54.23 ng/ml



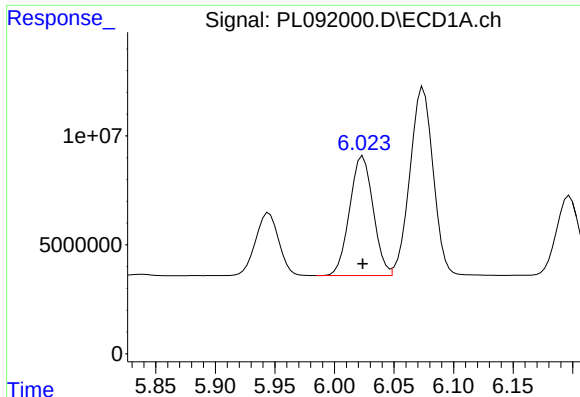
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 39135674
Conc: 15.84 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 44663233
Conc: 14.85 ng/ml



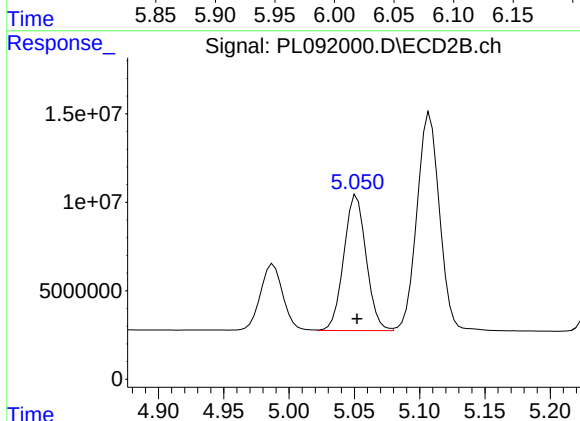
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 75335096
Conc: 30.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

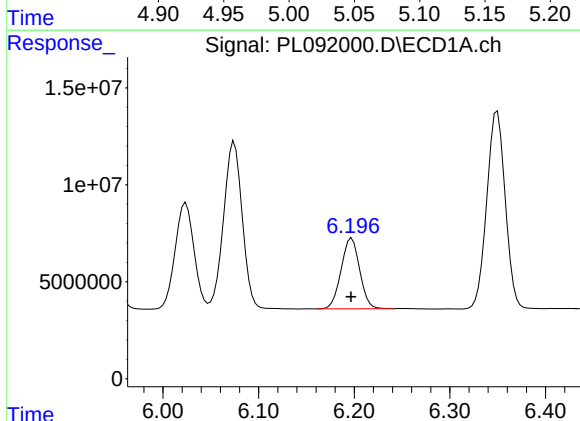
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



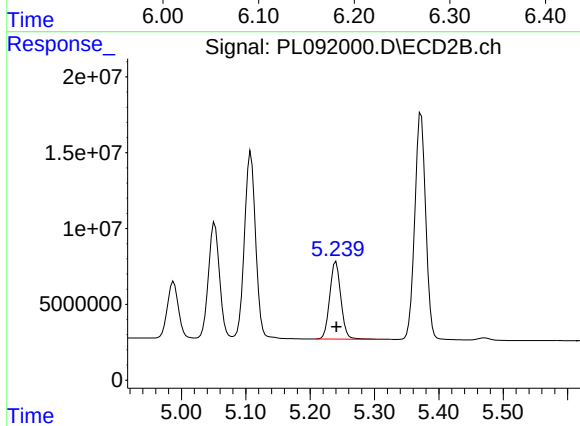
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 91414213
Conc: 30.54 ng/ml



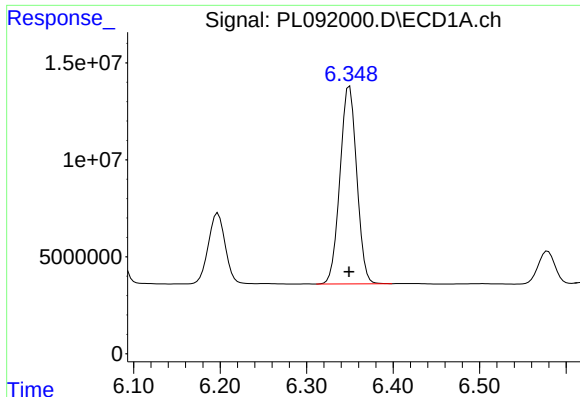
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 49182938
Conc: 22.72 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 61421358
Conc: 22.10 ng/ml



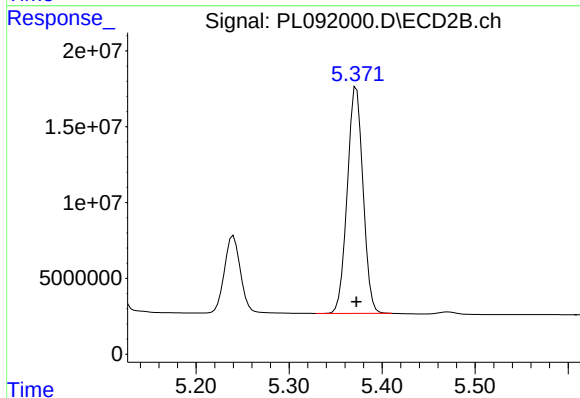
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 136356399
Conc: 55.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

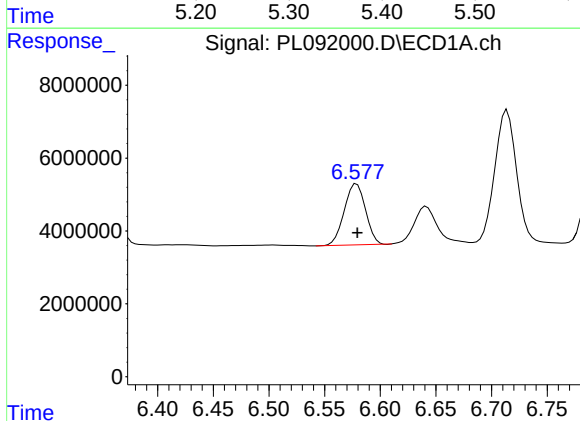
Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



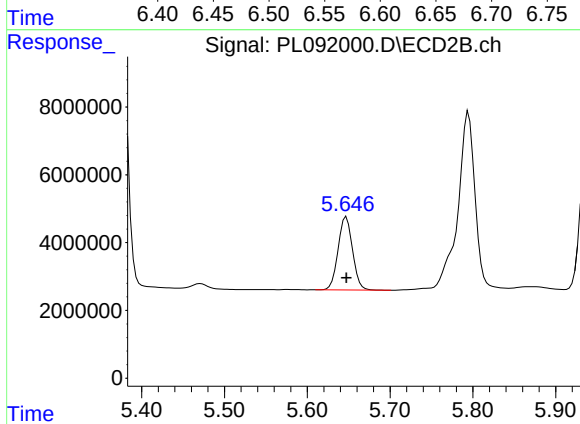
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 175806499
Conc: 59.96 ng/ml



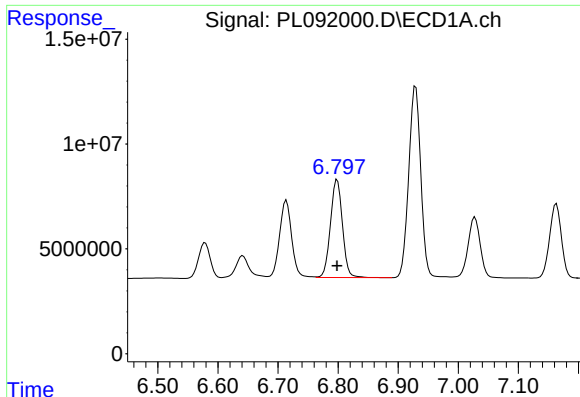
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 22310611
Conc: 10.83 ng/ml



#14 Endrin

R.T.: 5.647 min
Delta R.T.: 0.000 min
Response: 26225580
Conc: 10.00 ng/ml



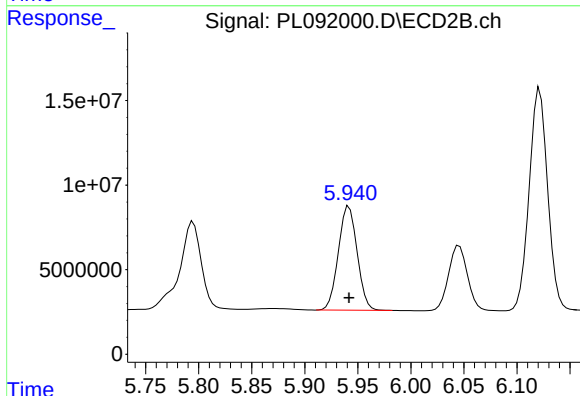
#15 Endosulfan II

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 64961331
Conc: 29.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

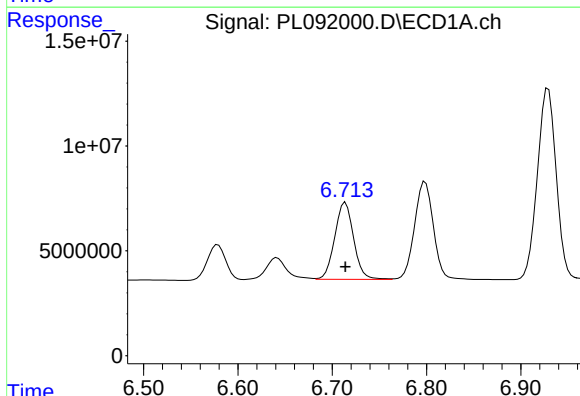
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



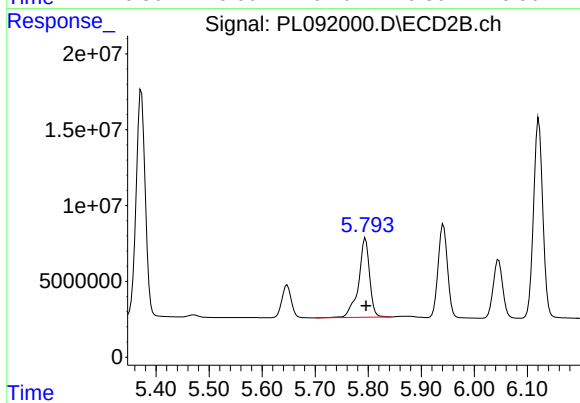
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 75622177
Conc: 30.22 ng/ml



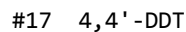
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 51223226
Conc: 28.53 ng/ml



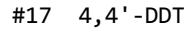
#16 4,4'-DDD

R.T.: 5.795 min
Delta R.T.: -0.001 min
Response: 75479636
Conc: 35.33 ng/ml



Instrument : ECD_L
ClientSampleId : PT-PEST-WPDL2

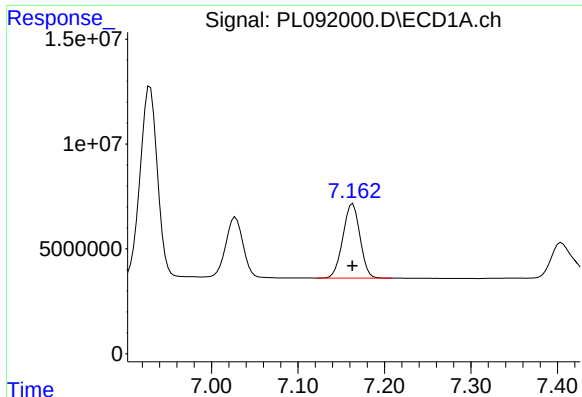
Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



#18 Endrin aldehyde

#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 159592364
Conc: 78.20 ng/ml



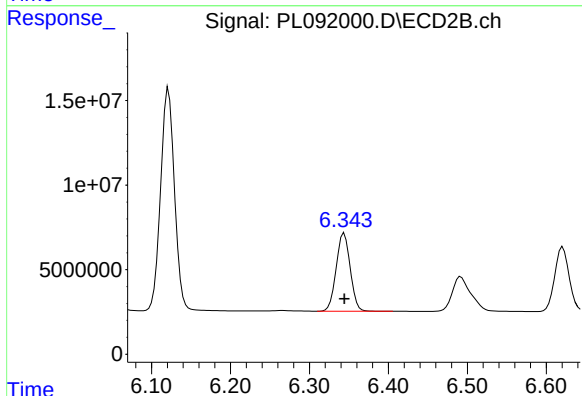
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 48327182
Conc: 24.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

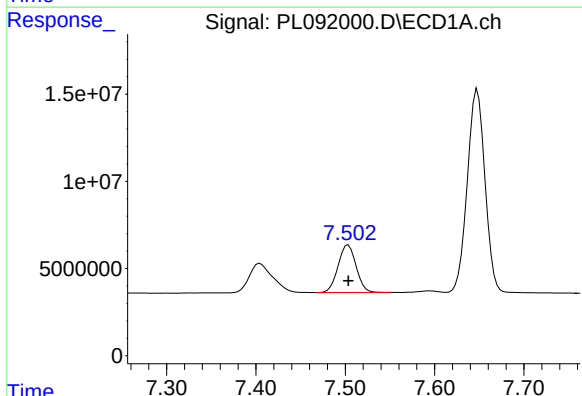
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



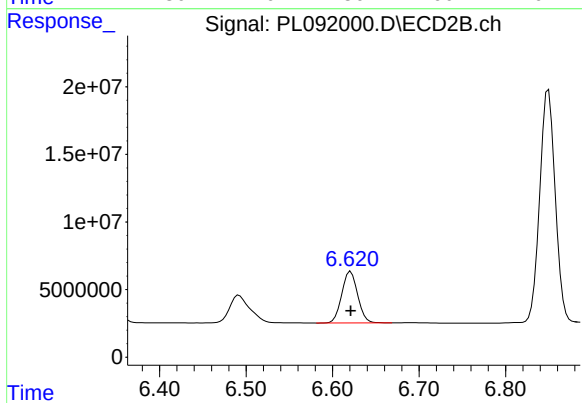
#19 Endosulfan Sulfate

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 56756160
Conc: 23.53 ng/ml



#20 Methoxychlor

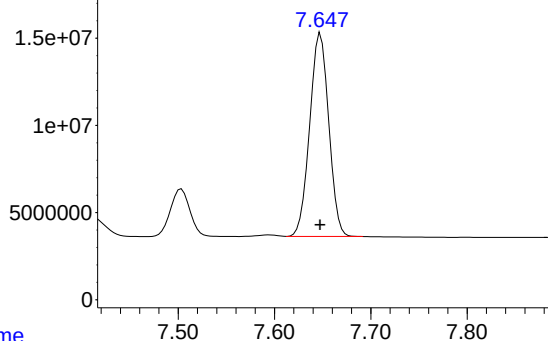
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 38323112
Conc: 39.04 ng/ml



#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 48422867
Conc: 38.73 ng/ml

Response_ Signal: PL092000.D\ECD1A.ch



#21 Endrin ketone

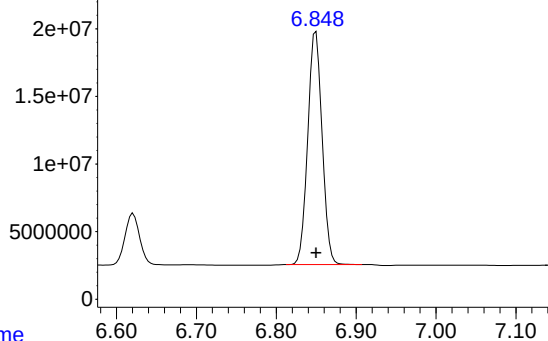
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 160036818
Conc: 72.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

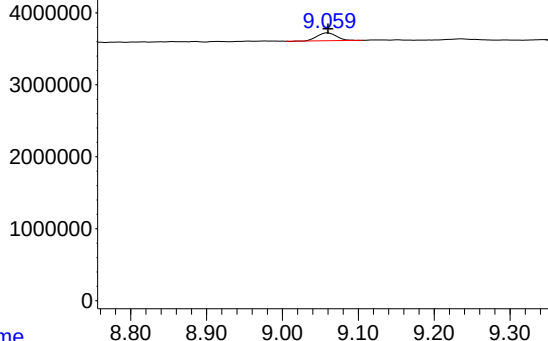
Time Response_ Signal: PL092000.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 214956550
Conc: 77.63 ng/ml

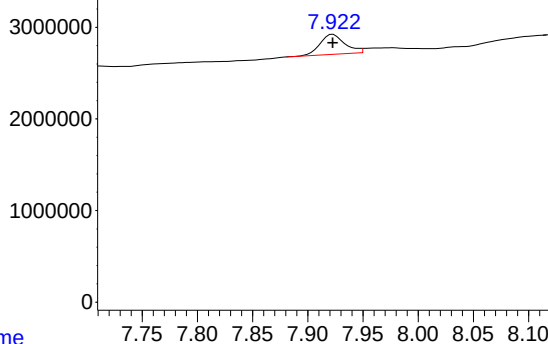
Time Response_ Signal: PL092000.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 1918063
Conc: 1.17 ng/ml

Time Response_ Signal: PL092000.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3427174
Conc: 1.37 ng/ml



CALIBRATION SUMMARY

1
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3
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 15:31 16:25

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

LAB FILE ID:	RT 100 = <u>PL091571.D</u>	RT 075 = <u>PL091572.D</u>
RT 050 = <u>PL091573.D</u>	RT 025 = <u>PL091574.D</u>	RT 005 = <u>PL091575.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.03	7.03	7.03	7.03	7.03	7.03	6.93	7.13
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.07	6.08	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Endrin ketone	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.94	5.95	5.95	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.55	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 15:31 16:25

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

LAB FILE ID:	RT 100 = <u>PL091571.D</u>	RT 075 = <u>PL091572.D</u>
RT 050 = <u>PL091573.D</u>	RT 025 = <u>PL091574.D</u>	RT 005 = <u>PL091575.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aldrin	4.24	4.24	4.24	4.24	4.24	4.24	4.14	4.34
alpha-BHC	3.29	3.29	3.29	3.29	3.29	3.29	3.19	3.39
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.92	3.92	3.92	3.92	3.92	3.92	3.82	4.02
Decachlorobiphenyl	7.92	7.92	7.93	7.93	7.93	7.92	7.82	8.02
delta-BHC	4.15	4.15	4.15	4.15	4.15	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
gamma-Chlordane	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L
Calibration Date(s): 09/09/2024 09/09/2024
Calibration Times: 15:31 16:25
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL091571.D	CF 075 =	PL091572.D		
CF 050 =		PL091573.D	CF 025 =	PL091574.D	CF 005 =	PL091575.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1238120000	1231960000	1233650000	1250630000	1383380000	1267550000	5
4,4'-DDE	1460560000	1436680000	1428500000	1441320000	1526210000	1458660000	3
4,4'-DDT	1281640000	1254070000	1263970000	1284500000	1474570000	1311750000	7
Aldrin	1790750000	1774490000	1770970000	1802240000	2174440000	1862580000	9
alpha-BHC	2220090000	2165300000	2102420000	2070960000	2240830000	2159920000	3
alpha-Chlordane	1606870000	1601200000	1589460000	1609600000	1652020000	1611830000	1
beta-BHC	873975000	873578000	877535000	894317000	1030700000	910020000	7
Decachlorobiphenyl	1145680000	1140470000	1177280000	1251960000	1361220000	1215320000	8
delta-BHC	1913110000	1865190000	1825800000	1833300000	2168450000	1921170000	7
Dieldrin	1625390000	1599180000	1597630000	1611650000	1724860000	1631740000	3
Endosulfan I	1515030000	1501310000	1504100000	1538660000	1731420000	1558110000	6
Endosulfan II	1425510000	1429790000	1444480000	1515400000	1934840000	1550010000	14
Endosulfan sulfate	1322390000	1313220000	1345580000	1399080000	1601700000	1396390000	9
Endrin	1311020000	1302310000	1292880000	1312020000	1430210000	1329690000	4
Endrin aldehyde	1107110000	1109780000	1131430000	1183390000	1408960000	1188130000	11
Endrin ketone	1520320000	1497380000	1517430000	1548810000	1647670000	1546320000	4
gamma-BHC (Lindane)	2103730000	2060220000	1995670000	1984560000	2134340000	2055700000	3
gamma-Chlordane	1621490000	1619500000	1611700000	1651720000	1849460000	1670770000	6
Heptachlor	1866800000	1841620000	1834880000	1837790000	1984030000	1873020000	3
Heptachlor epoxide	1584130000	1602220000	1576830000	1662800000	1917610000	1668720000	9
Methoxychlor	658344000	648089000	662897000	669943000	743063000	676467000	6
Tetrachloro-m-xylene	1519890000	1515940000	1496640000	1518220000	1742280000	1558600000	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L
Calibration Date(s): 09/09/2024 09/09/2024
Calibration Times: 15:31 16:25
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL091571.D	CF 075 =	PL091572.D		
CF 050 =		PL091573.D	CF 025 =	PL091574.D	CF 005 =	PL091575.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1680210000	1661230000	1644630000	1654720000	1737950000	1675750000	2
4,4'-DDE	2010140000	1957820000	1897970000	1820170000	1797430000	1896710000	5
4,4'-DDT	1670720000	1616510000	1570240000	1515580000	1660880000	1606780000	4
Aldrin	2379960000	2347710000	2266050000	2189890000	2223920000	2281500000	4
alpha-BHC	2871940000	2771080000	2684190000	2505170000	2465430000	2659560000	7
alpha-Chlordane	2122860000	2093520000	2054130000	2008720000	2065810000	2069010000	2
beta-BHC	1057420000	1057090000	1051010000	1059720000	1237080000	1092470000	7
Decachlorobiphenyl	1763590000	1770080000	1794130000	1850100000	2054850000	1846550000	7
delta-BHC	2467260000	2402670000	2319500000	2179760000	2134460000	2300730000	6
Dieldrin	2145330000	2106790000	2039020000	1976550000	2009500000	2055440000	3
Endosulfan I	1958670000	1903390000	1884570000	1852390000	2047680000	1929340000	4
Endosulfan II	1819640000	1792790000	1762160000	1720850000	1749140000	1768920000	2
Endosulfan sulfate	1736800000	1716600000	1699820000	1677180000	1750170000	1716110000	2
Endrin	1886050000	1843520000	1806740000	1789080000	2110580000	1887190000	7
Endrin aldehyde	1381990000	1360020000	1356520000	1347590000	1389060000	1367040000	1
Endrin ketone	2053550000	2019200000	2011790000	1980410000	1992060000	2011400000	1
gamma-BHC (Lindane)	2620370000	2545400000	2475270000	2344040000	2312230000	2459460000	5
gamma-Chlordane	2198870000	2179670000	2133680000	2189790000	2326360000	2205670000	3
Heptachlor	2506110000	2453710000	2397130000	2322760000	2361890000	2408320000	3
Heptachlor epoxide	2116210000	2081570000	2064430000	2011870000	2264520000	2107720000	5
Methoxychlor	875397000	866175000	866782000	878258000	942205000	885763000	4
Tetrachloro-m-xylene	1922920000	1890350000	1864680000	1839410000	1834150000	1870300000	2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:31
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: Sep 09 16:20:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	152.0E6	192.3E6	100.771	101.538
28) SA Decachlor...	9.060	7.924	114.6E6	176.4E6	98.640	99.142
Target Compounds						
2) A alpha-BHC	3.999	3.286	222.0E6	287.2E6	102.722	103.379
3) MA gamma-BHC...	4.332	3.616	210.4E6	262.0E6	102.636	102.848
4) MA Heptachlor	4.921	3.956	186.7E6	250.6E6	100.862	102.223
5) MB Aldrin	5.263	4.236	179.1E6	238.0E6	100.555	102.452
6) B beta-BHC	4.529	3.915	87397476	105.7E6	99.797	100.304
7) B delta-BHC	4.776	4.145	191.3E6	246.7E6	102.335	103.087
8) B Heptachlo...	5.689	4.739	158.4E6	211.6E6	100.231	101.238
9) A Endosulfan I	6.074	5.109	151.5E6	195.9E6	100.362	101.928
10) B gamma-Chl...	5.945	4.989	162.1E6	219.9E6	100.303	101.505
11) B alpha-Chl...	6.024	5.053	160.7E6	212.3E6	100.545	101.645
12) B 4,4'-DDE	6.197	5.242	146.1E6	201.0E6	101.110	102.870
13) MA Dieldrin	6.349	5.373	162.5E6	214.5E6	100.861	102.541
14) MA Endrin	6.579	5.649	131.1E6	188.6E6	100.697	102.148
15) B Endosulfa...	6.799	5.943	142.6E6	182.0E6	99.339	101.605
16) A 4,4'-DDD	6.714	5.796	123.8E6	168.0E6	100.181	101.070
17) MA 4,4'-DDT	7.028	6.047	128.2E6	167.1E6	100.694	103.100
18) B Endrin al...	6.928	6.123	110.7E6	138.2E6	98.914	100.930
19) B Endosulfa...	7.162	6.345	132.2E6	173.7E6	99.131	101.076
20) A Methoxychlor	7.503	6.622	65834370	87539700	99.655	100.495
21) B Endrin ke...	7.647	6.851	152.0E6	205.4E6	100.095	101.027
22) Mirex	8.121	7.033	112.3E6	159.0E6	98.308	98.538

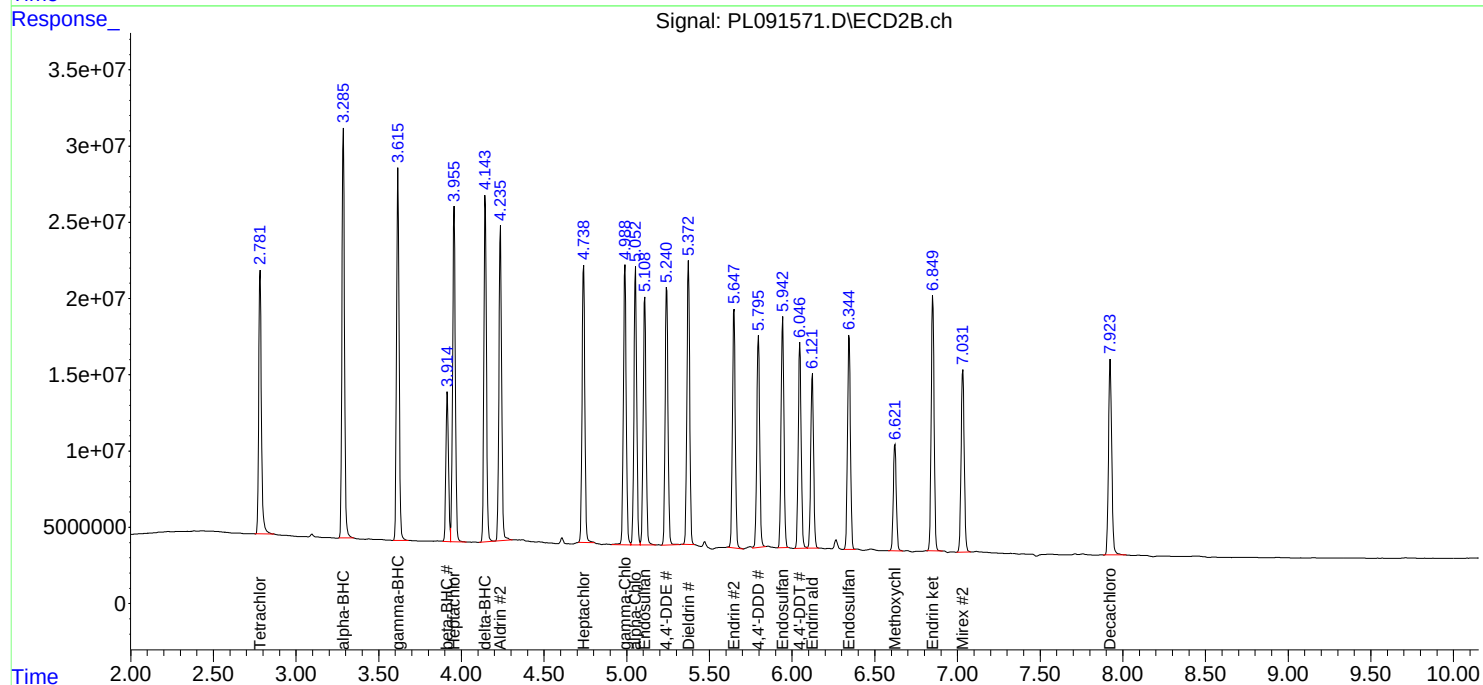
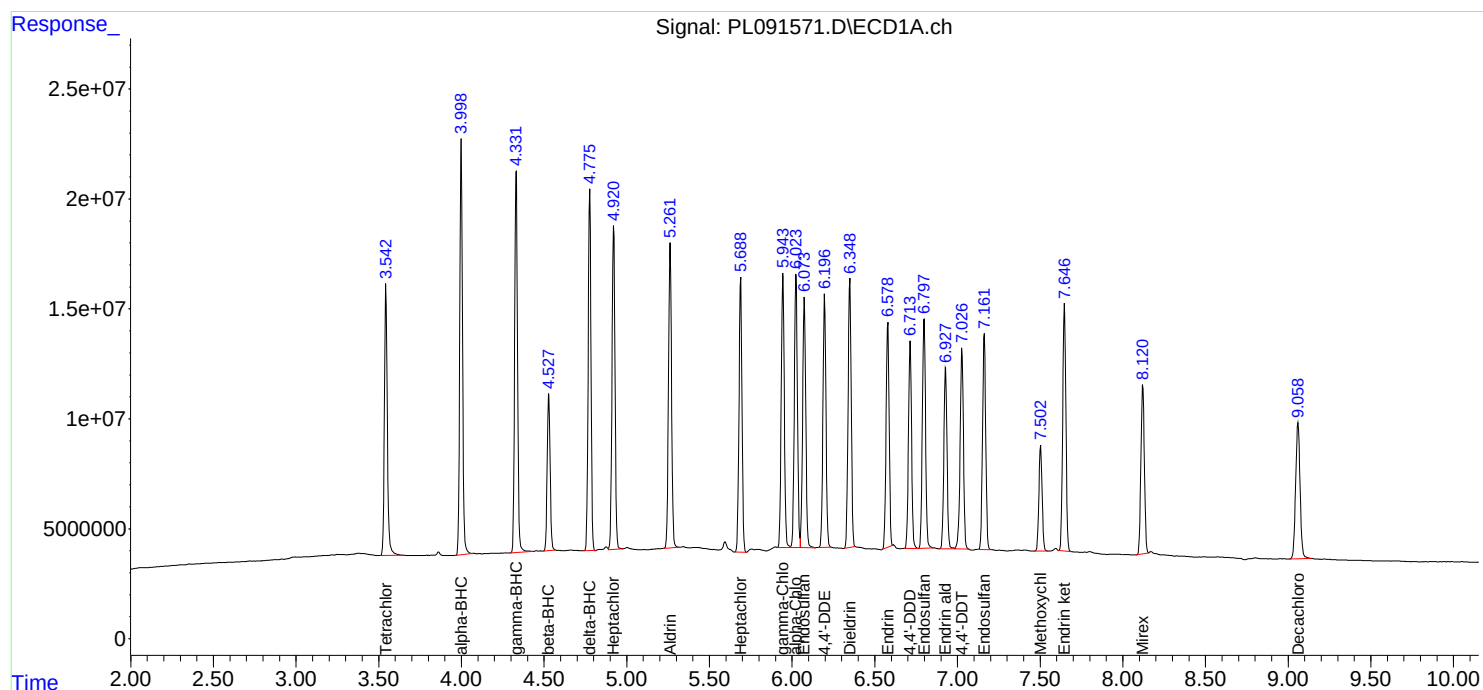
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

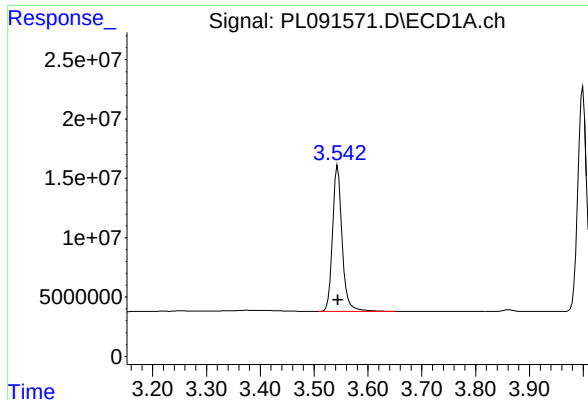
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 16:20:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

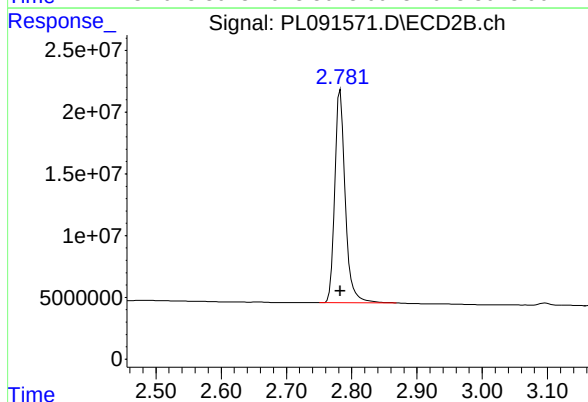




#1 Tetrachloro-m-xylene

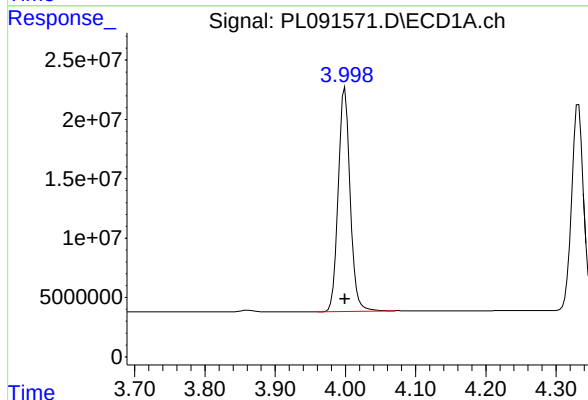
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 151989203
Conc: 100.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



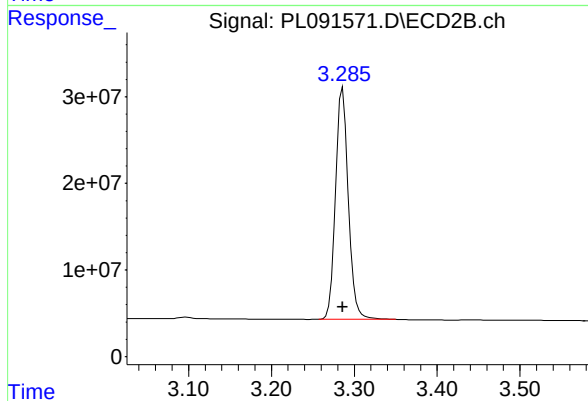
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 192291502
Conc: 101.54 ng/ml



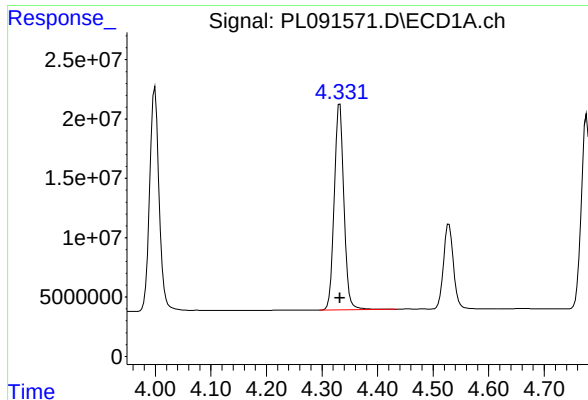
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 222009188
Conc: 102.72 ng/ml



#2 alpha-BHC

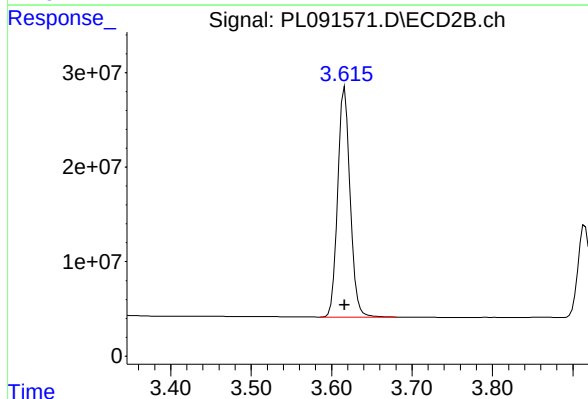
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 287194049
Conc: 103.38 ng/ml



#3 gamma-BHC (Lindane)

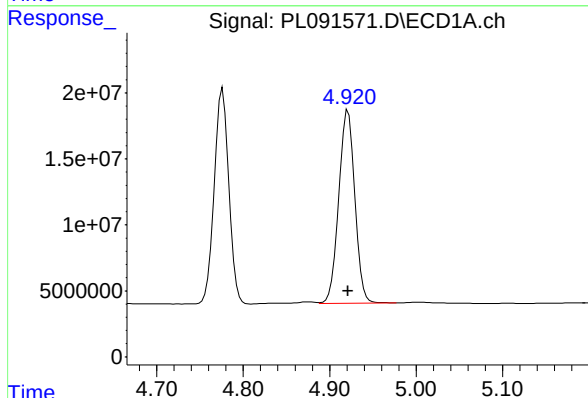
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 210373084
Conc: 102.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



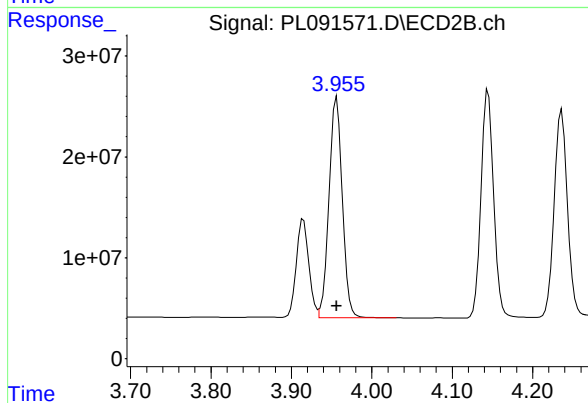
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 262037033
Conc: 102.85 ng/ml



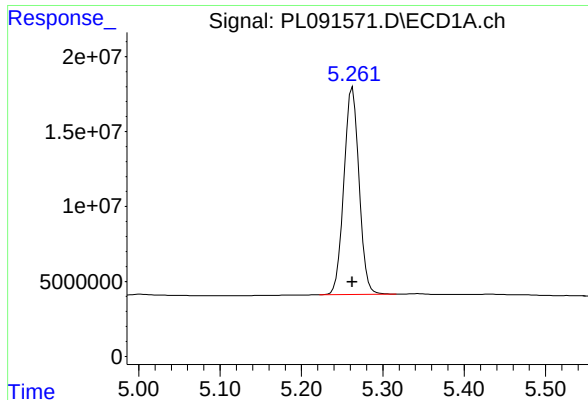
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 186679926
Conc: 100.86 ng/ml



#4 Heptachlor

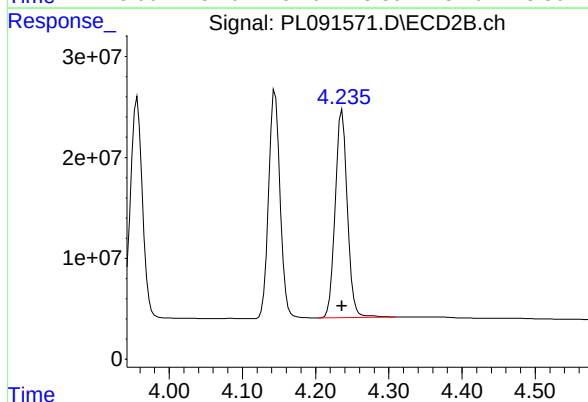
R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 250611263
Conc: 102.22 ng/ml



#5 Aldrin

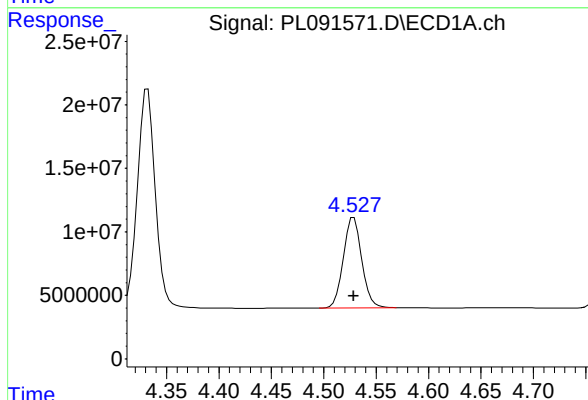
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 179075065
Conc: 100.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



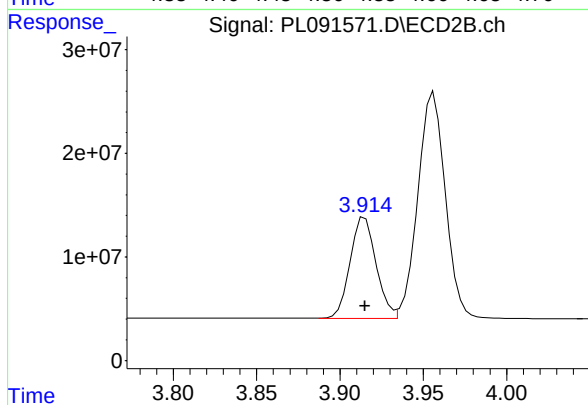
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 237995627
Conc: 102.45 ng/ml



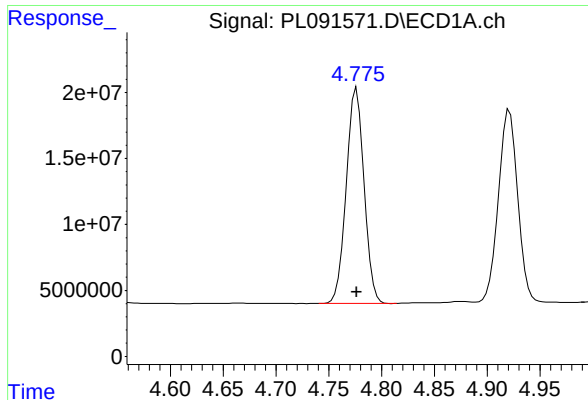
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 87397476
Conc: 99.80 ng/ml



#6 beta-BHC

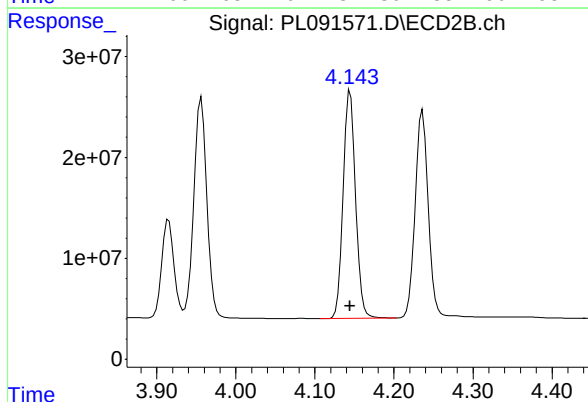
R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 105742143
Conc: 100.30 ng/ml



#7 delta-BHC

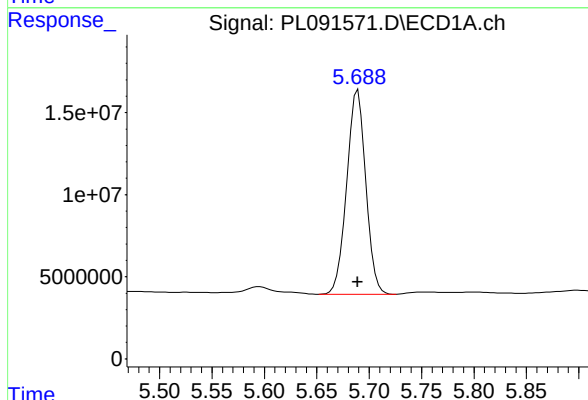
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 191311159
Conc: 102.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



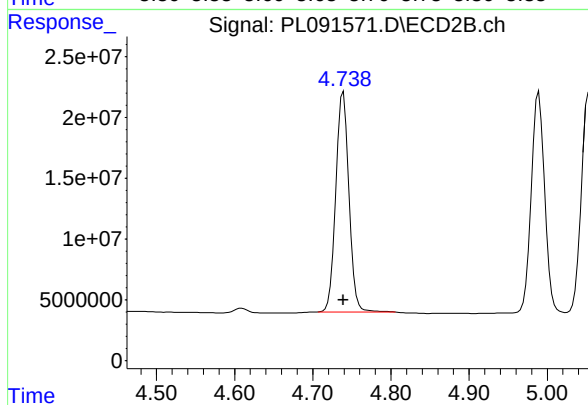
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 246726479
Conc: 103.09 ng/ml



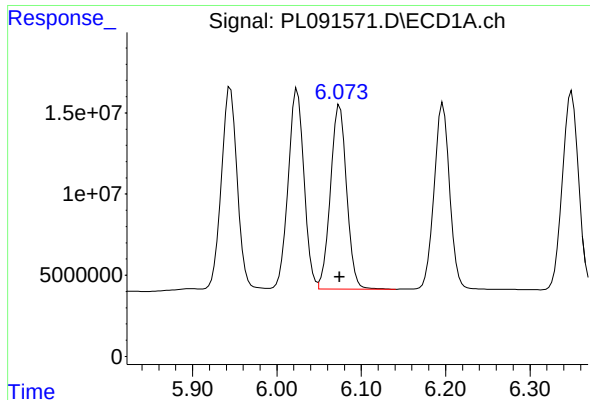
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 158413132
Conc: 100.23 ng/ml



#8 Heptachlor epoxide

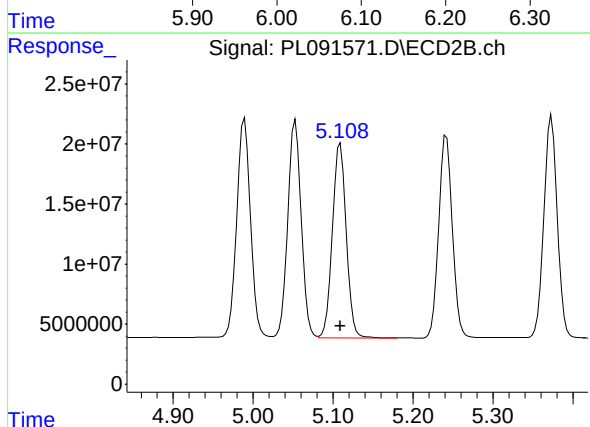
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 211620514
Conc: 101.24 ng/ml



#9 Endosulfan I

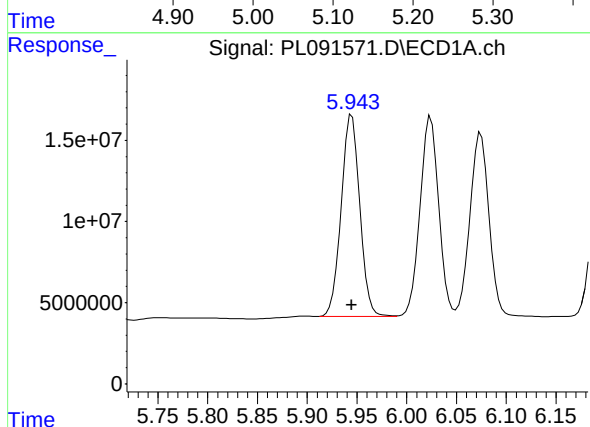
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 151503334
Conc: 100.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



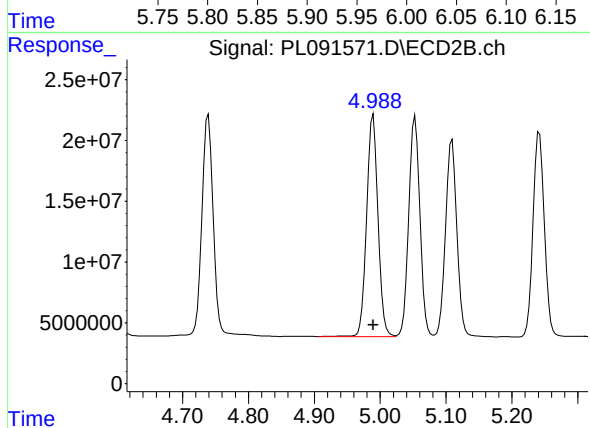
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 195867284
Conc: 101.93 ng/ml



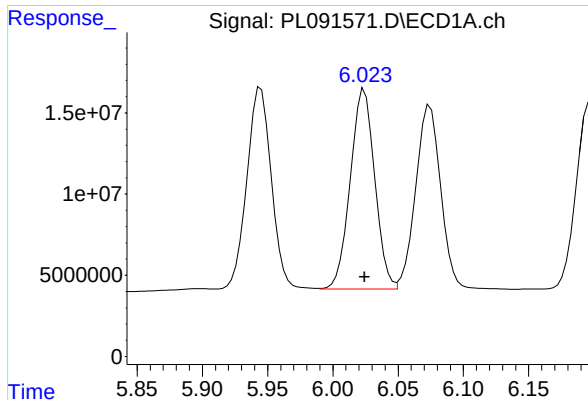
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 162148863
Conc: 100.30 ng/ml



#10 gamma-Chlordane

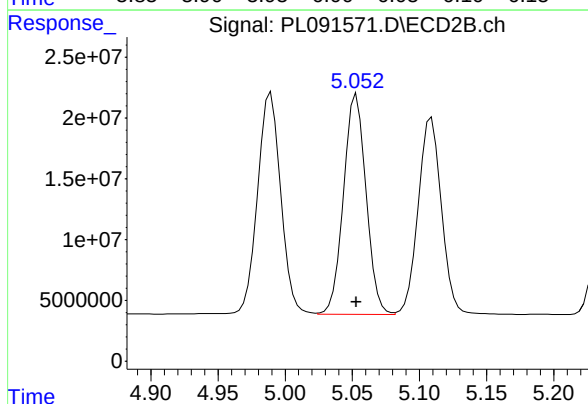
R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 219886690
Conc: 101.50 ng/ml



#11 alpha-Chlordane

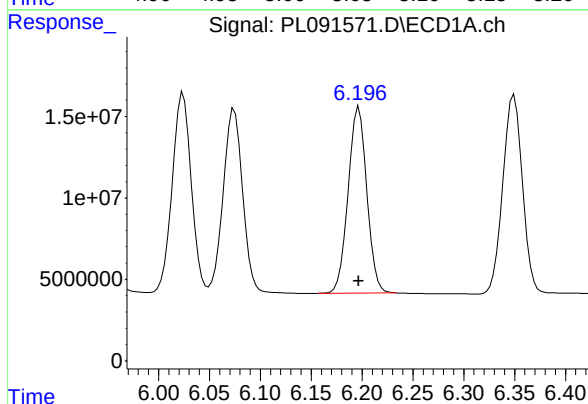
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 160687012
Conc: 100.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



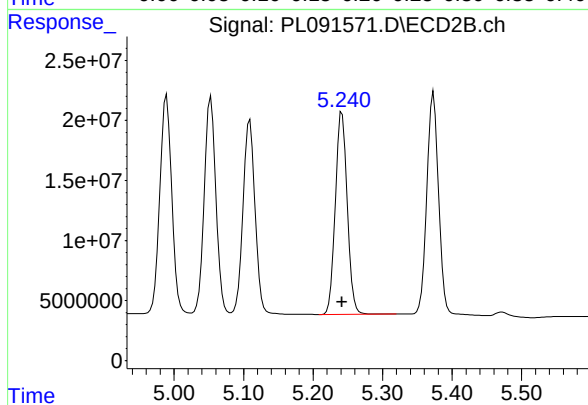
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 212285585
Conc: 101.65 ng/ml



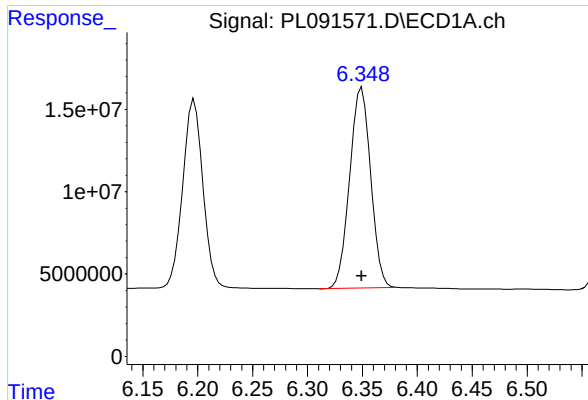
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 146055909
Conc: 101.11 ng/ml



#12 4,4'-DDE

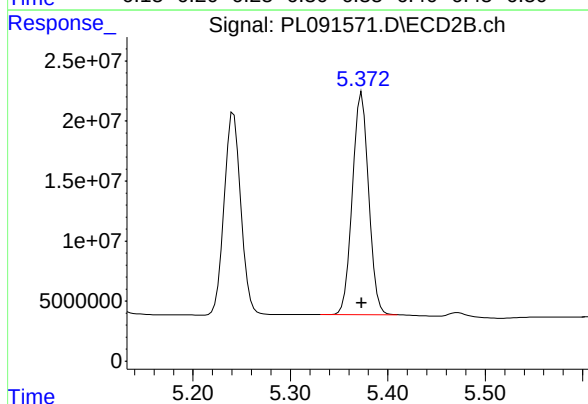
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 201014475
Conc: 102.87 ng/ml



#13 Dieldrin

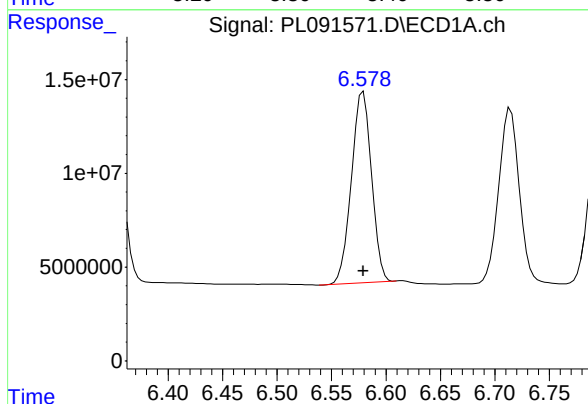
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 162539183
Conc: 100.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



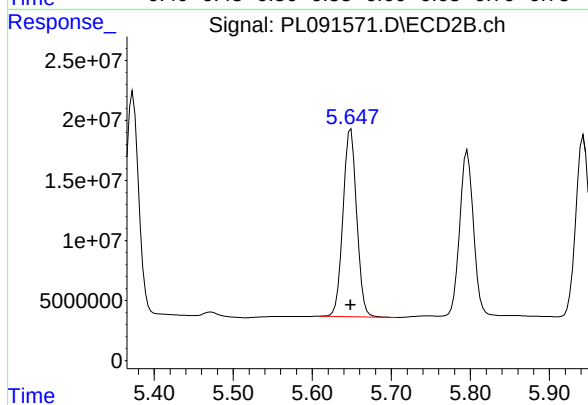
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 214533446
Conc: 102.54 ng/ml



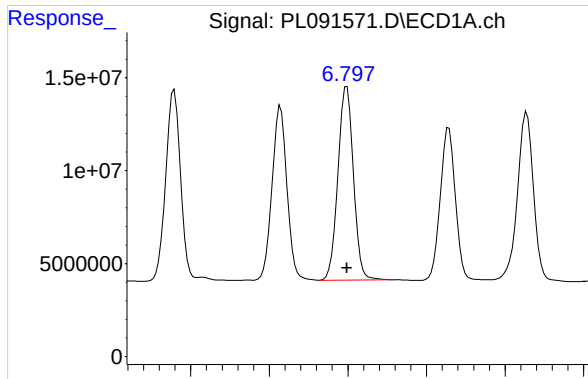
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 131101980
Conc: 100.70 ng/ml



#14 Endrin

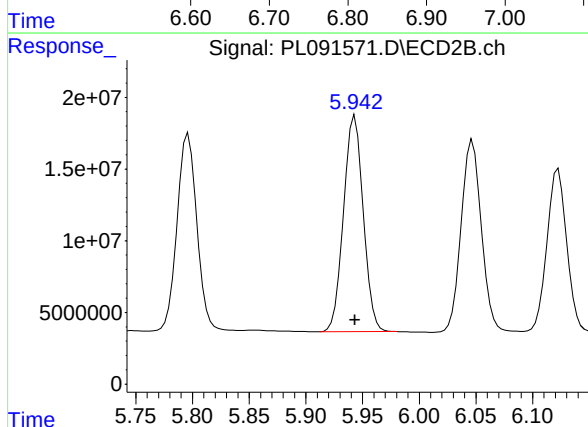
R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 188605460
Conc: 102.15 ng/ml



#15 Endosulfan II

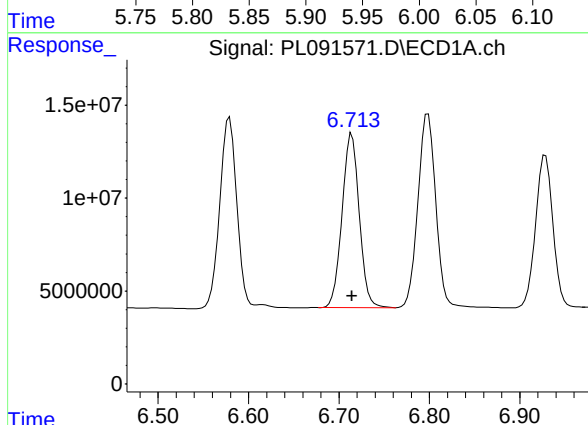
R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 142551313
Conc: 99.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



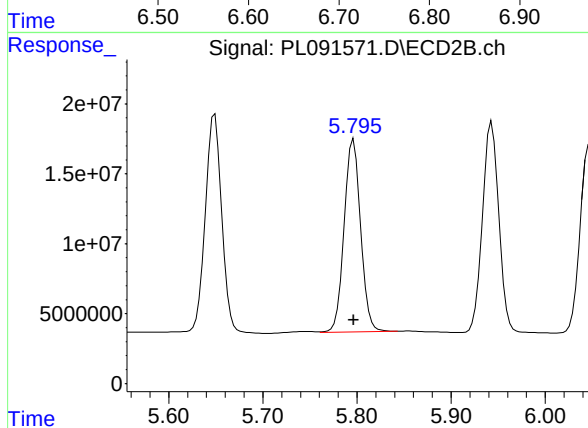
#15 Endosulfan II

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 181964109
Conc: 101.60 ng/ml



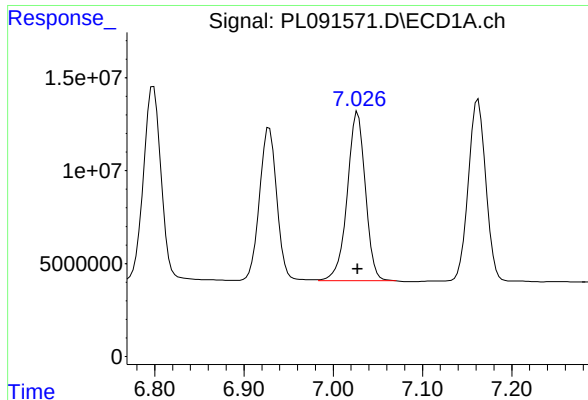
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 123812153
Conc: 100.18 ng/ml



#16 4,4'-DDD

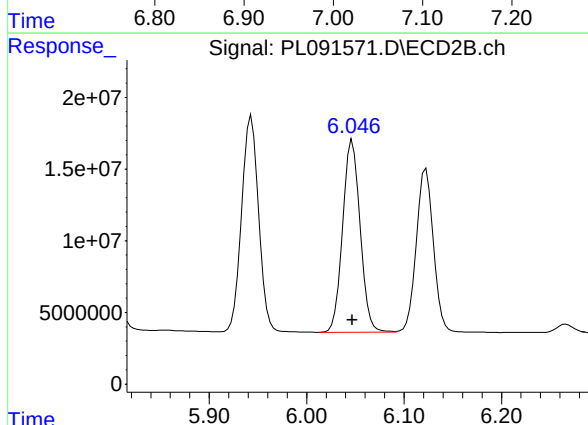
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 168021436
Conc: 101.07 ng/ml



#17 4,4'-DDT

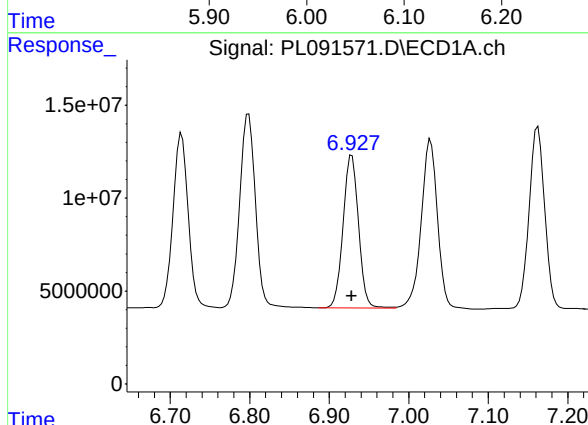
R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 128163661
Conc: 100.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



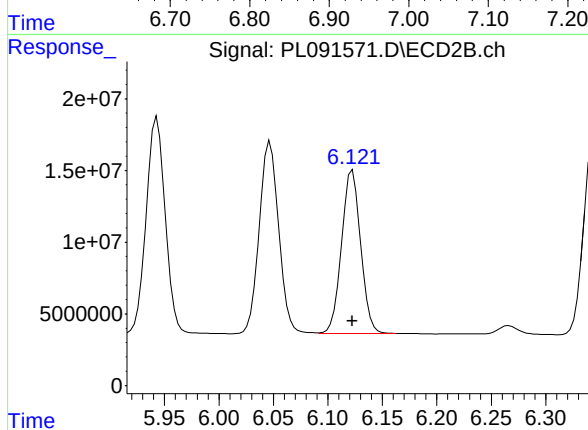
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 167071718
Conc: 103.10 ng/ml



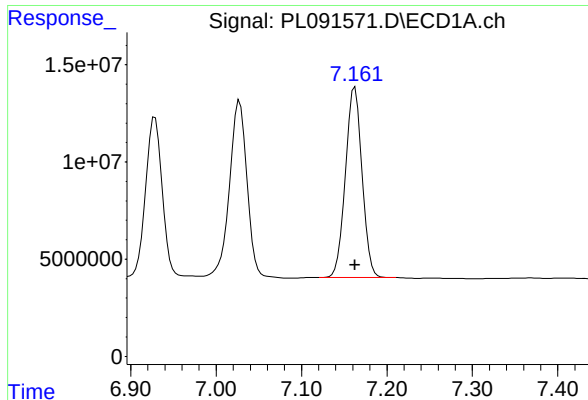
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 110710550
Conc: 98.91 ng/ml



#18 Endrin aldehyde

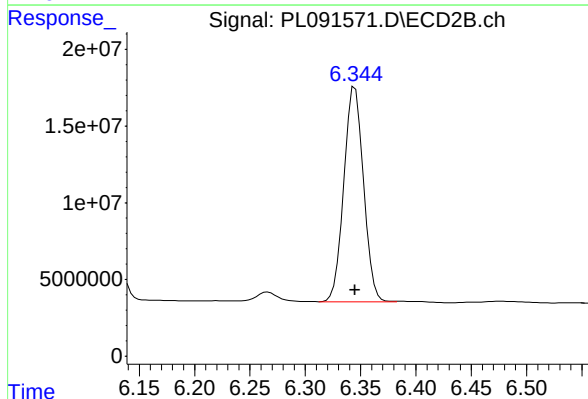
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 138199380
Conc: 100.93 ng/ml



#19 Endosulfan Sulfate

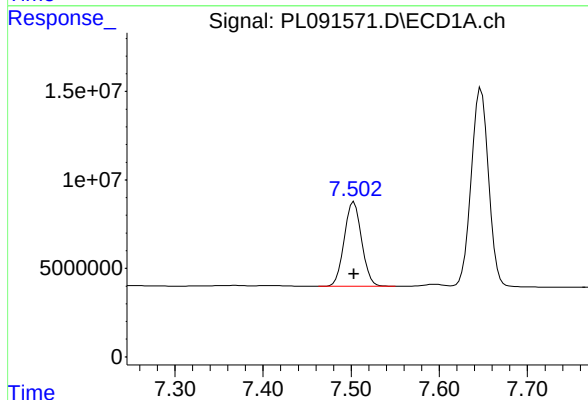
R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 132238911
Conc: 99.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



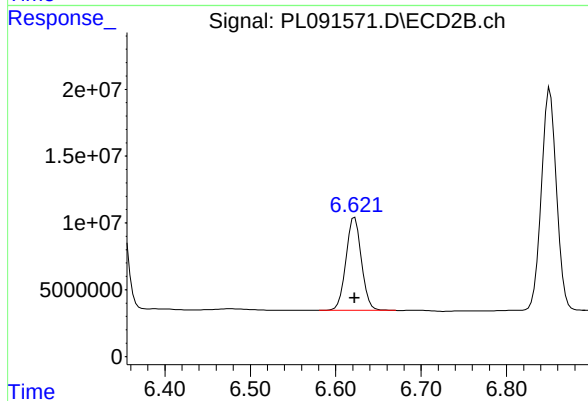
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 173679570
Conc: 101.08 ng/ml



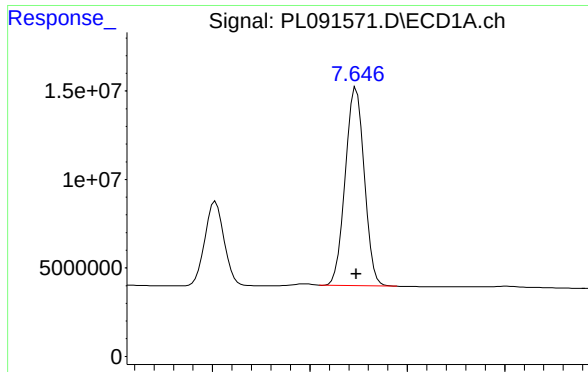
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 65834370
Conc: 99.66 ng/ml



#20 Methoxychlor

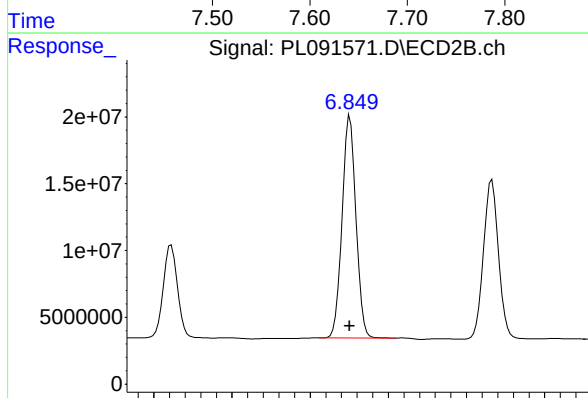
R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 87539700
Conc: 100.49 ng/ml



#21 Endrin ketone

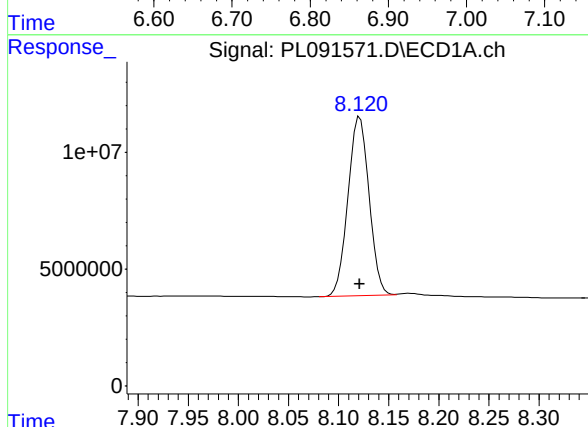
R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 152031914
Conc: 100.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



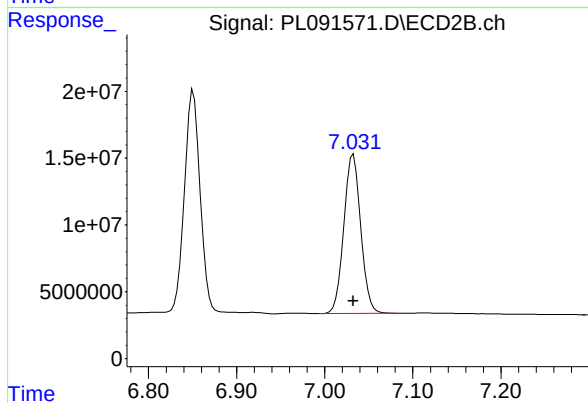
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 205355120
Conc: 101.03 ng/ml



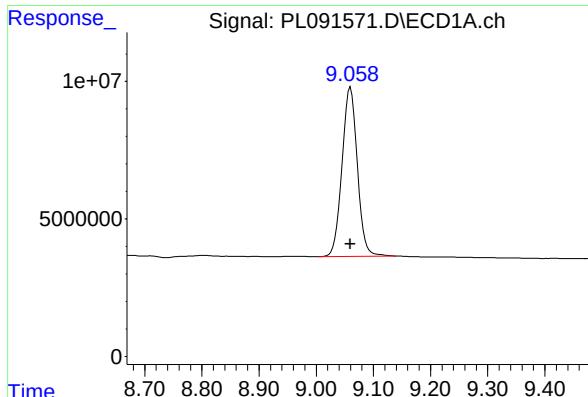
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 112327696
Conc: 98.31 ng/ml



#22 Mirex

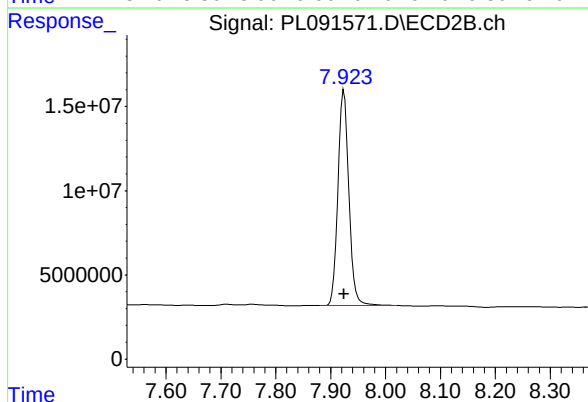
R.T.: 7.033 min
Delta R.T.: 0.000 min
Response: 158957767
Conc: 98.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 114568378
Conc: 98.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 176358639
Conc: 99.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
 Data File : PL091572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 15:44
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 16:23:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 16:17:58 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	113.7E6	141.8E6	75.254	74.909
28) SA Decachlor...	9.059	7.924	85535158	132.8E6	74.090	74.753
Target Compounds						
2) A alpha-BHC	3.999	3.286	162.4E6	207.8E6	75.094	74.874
3) MA gamma-BHC...	4.332	3.616	154.5E6	190.9E6	75.256	74.953
4) MA Heptachlor	4.920	3.956	138.1E6	184.0E6	74.750	75.043
5) MB Aldrin	5.262	4.236	133.1E6	176.1E6	74.821	75.530
6) B beta-BHC	4.528	3.915	65518386	79281522	74.876	75.136
7) B delta-BHC	4.775	4.145	139.9E6	180.2E6	74.886	75.194
8) B Heptachlo...	5.688	4.739	120.2E6	156.1E6	75.685	74.790
9) A Endosulfan I	6.074	5.109	112.6E6	142.8E6	74.726	74.524
10) B gamma-Chl...	5.944	4.989	121.5E6	163.5E6	75.090	75.308
11) B alpha-Chl...	6.023	5.053	120.1E6	157.0E6	75.095	75.120
12) B 4,4'-DDE	6.197	5.240	107.8E6	146.8E6	74.728	74.439m
13) MA Dieldrin	6.349	5.373	119.9E6	158.0E6	74.617	75.348
14) MA Endrin	6.579	5.648	97673303	138.3E6	75.014	74.922
15) B Endosulfa...	6.797	5.943	107.2E6	134.5E6	74.818	75.053
16) A 4,4'-DDD	6.713	5.796	92397005	124.6E6	74.841	74.964
17) MA 4,4'-DDT	7.027	6.047	94055351	121.2E6	74.261	74.877
18) B Endrin al...	6.928	6.122	83233510	102.0E6	74.575	74.662
19) B Endosulfa...	7.162	6.346	98491870	128.7E6	74.218	74.950
20) A Methoxychlor	7.503	6.623	48606672	64963105	74.045	74.717
21) B Endrin ke...	7.647	6.851	112.3E6	151.4E6	74.289	74.668
22) Mirex	8.121	7.032	84617028	120.0E6	74.368	74.579

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:44
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

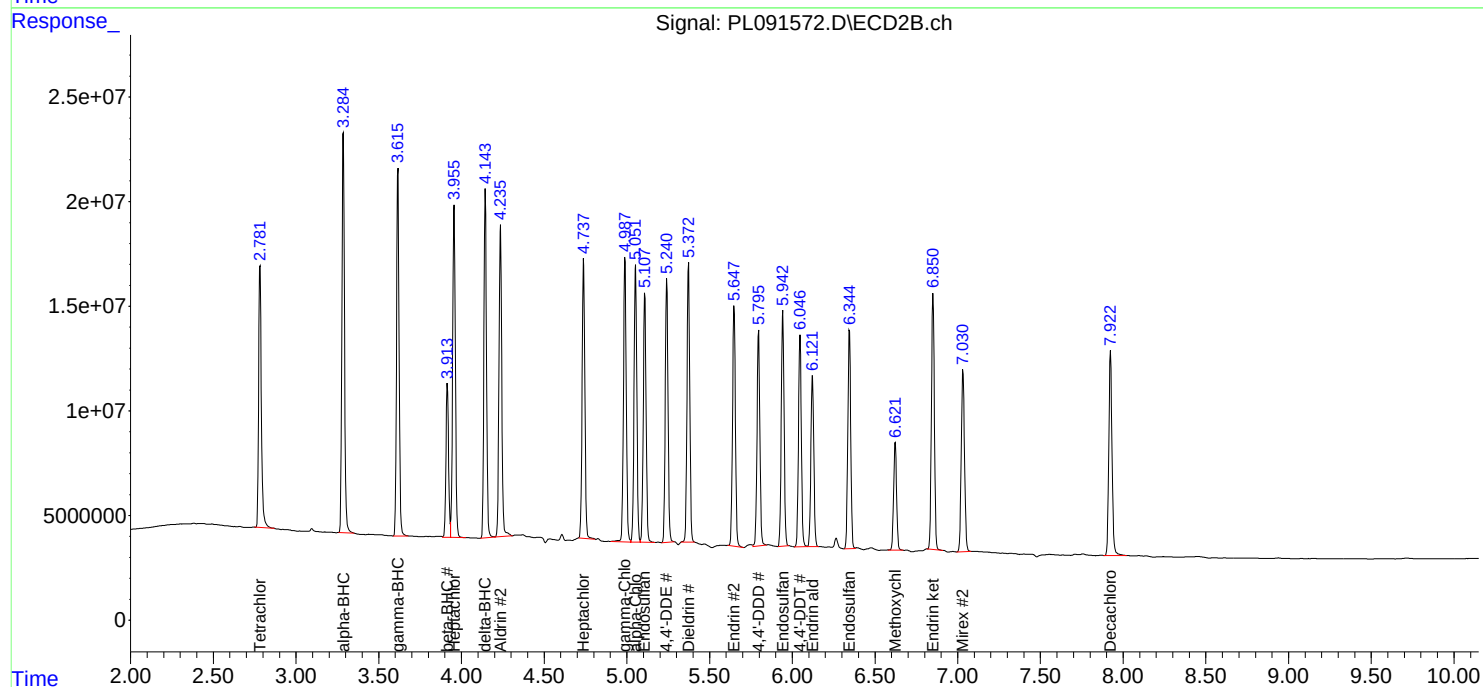
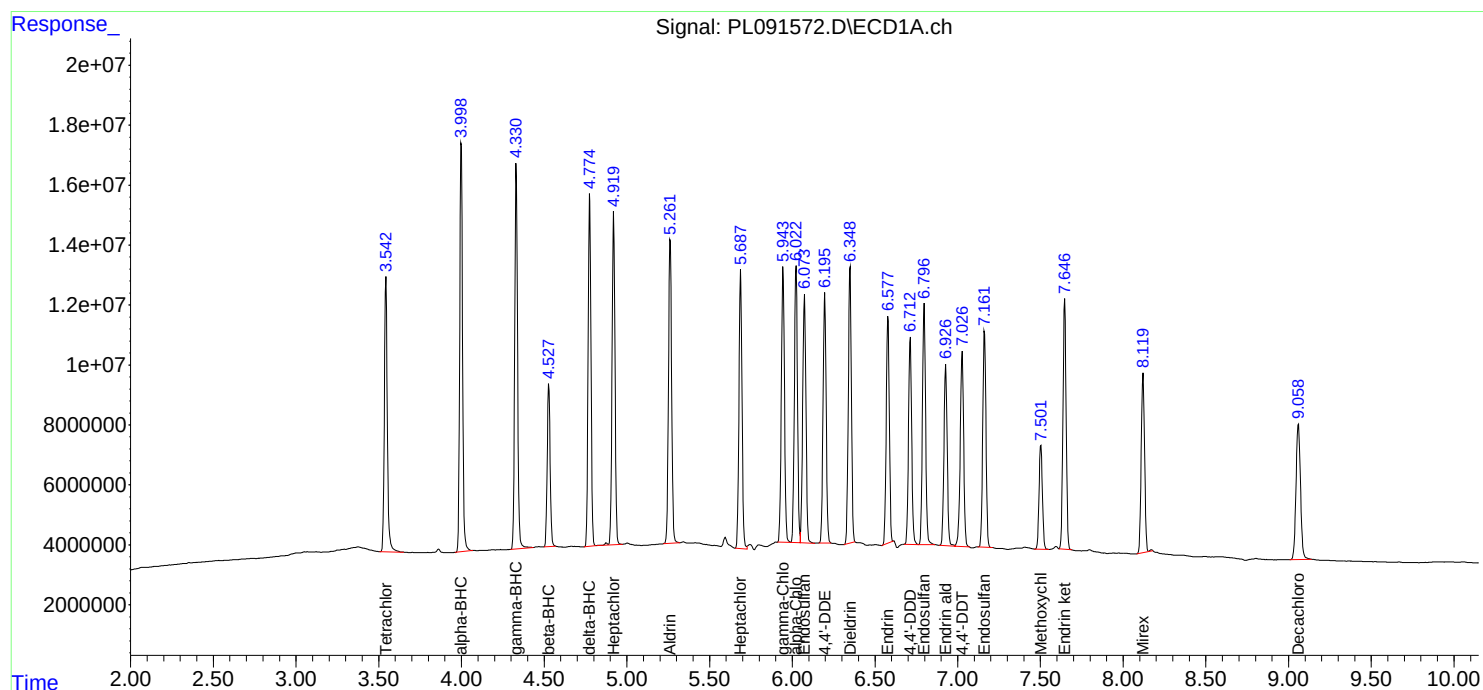
APPROVED

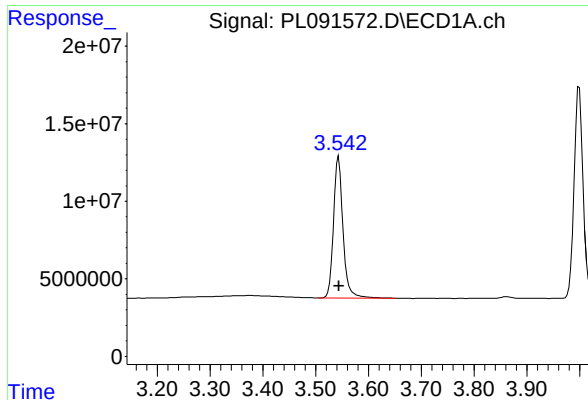
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 16:23:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 113695631
Conc: 75.25 ng/ml

Instrument :

ECD_L

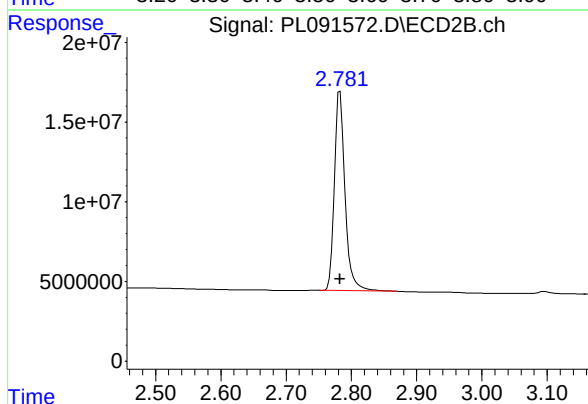
ClientSampleId :

PSTDICC075

Manual Integrations

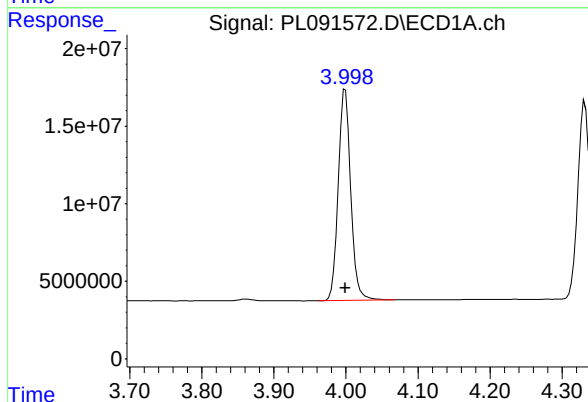
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



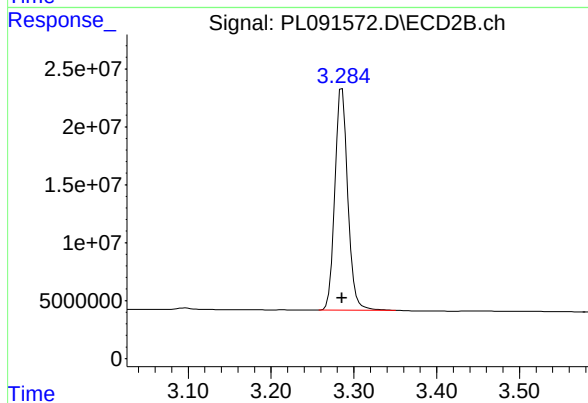
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 141776110
Conc: 74.91 ng/ml



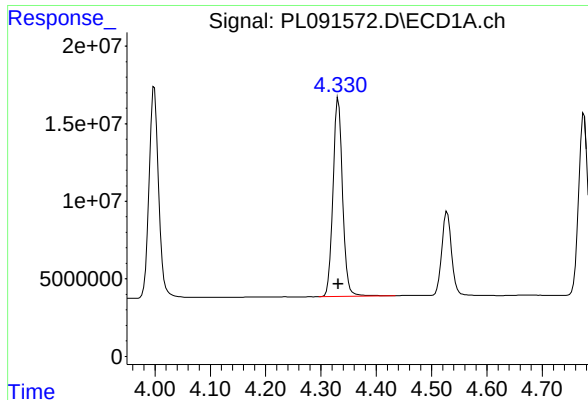
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 162397660
Conc: 75.09 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 207831095
Conc: 74.87 ng/ml



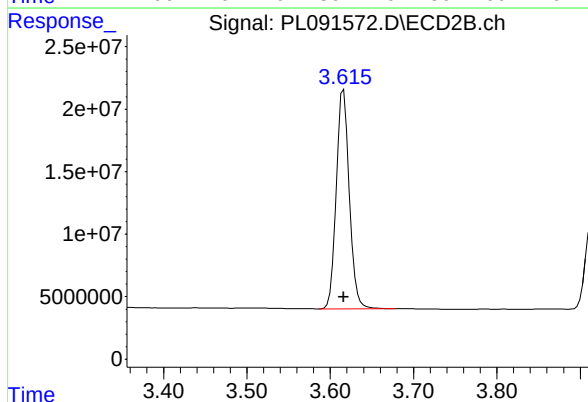
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 154516436
Conc: 75.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

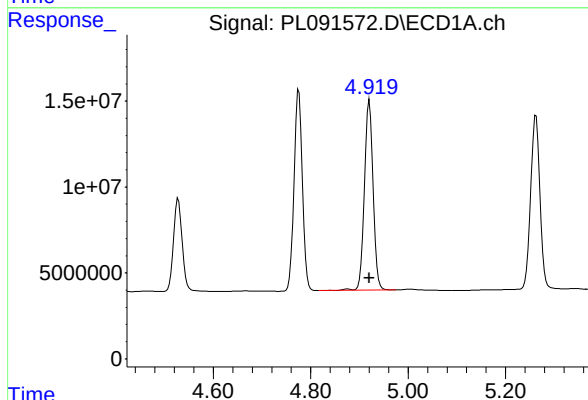
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



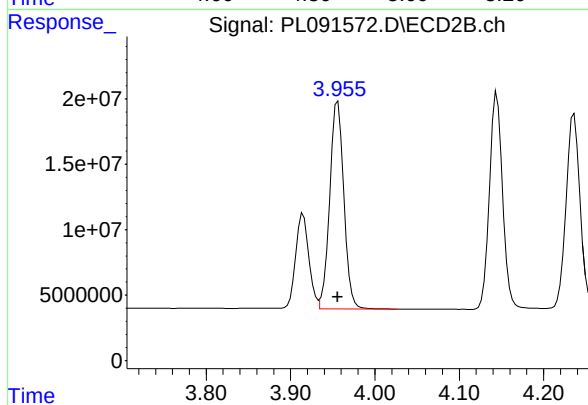
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 190905083
Conc: 74.95 ng/ml



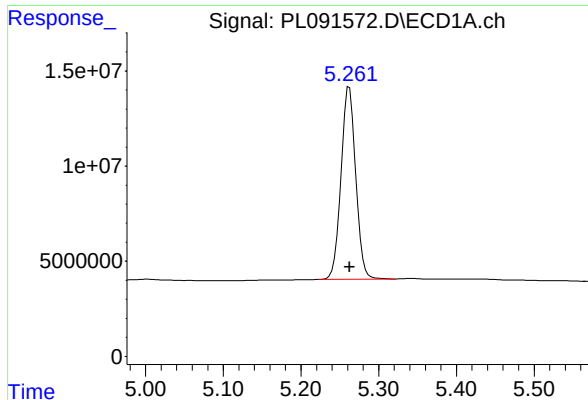
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 138121426
Conc: 74.75 ng/ml



#4 Heptachlor

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 184028559
Conc: 75.04 ng/ml



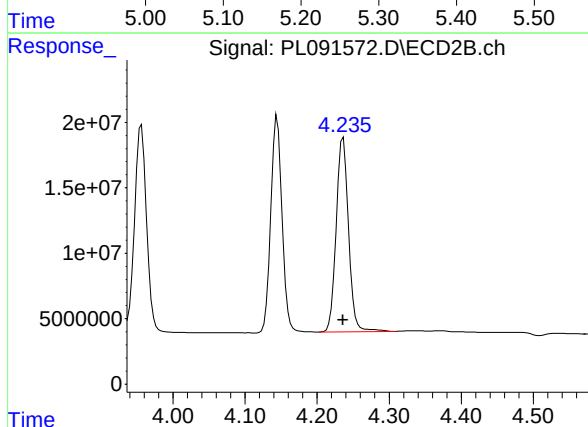
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 133086859
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

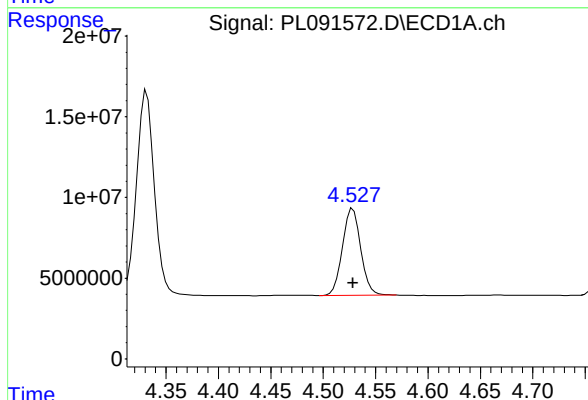
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



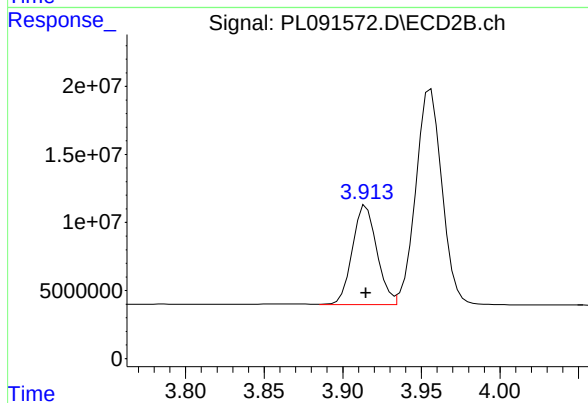
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 176077923
Conc: 75.53 ng/ml



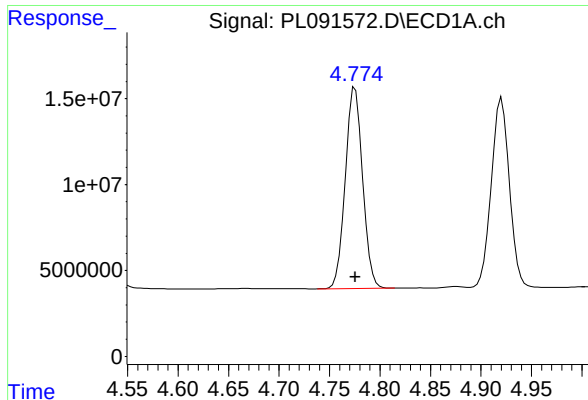
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 65518386
Conc: 74.88 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 79281522
Conc: 75.14 ng/ml



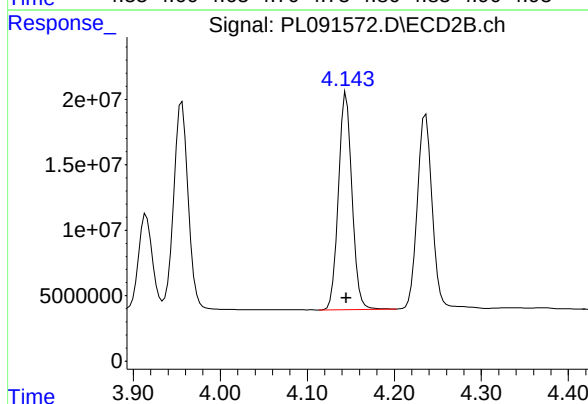
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 139889565
Conc: 74.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

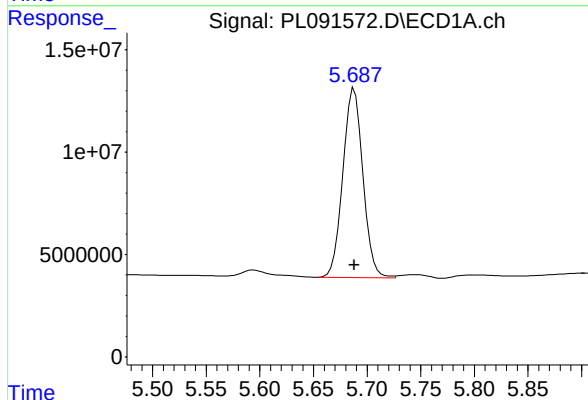
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



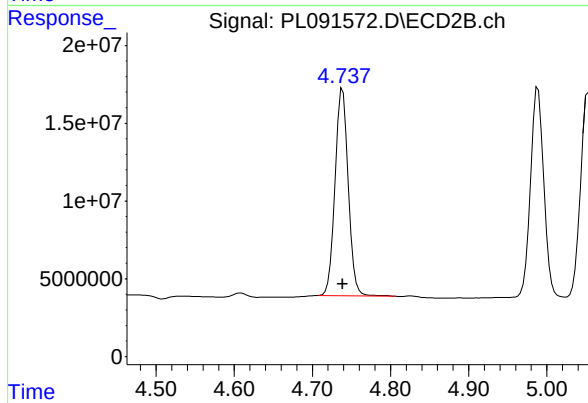
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 180199894
Conc: 75.19 ng/ml



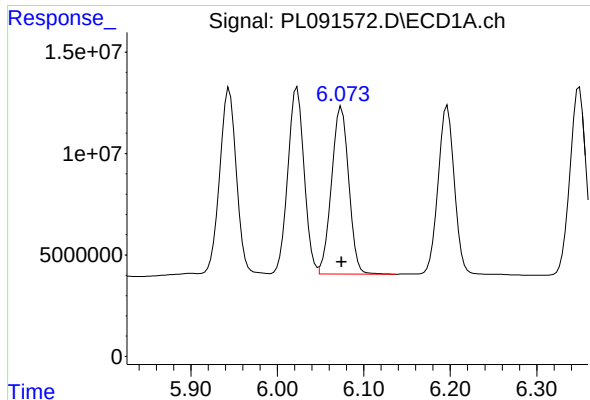
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 120166563
Conc: 75.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 156117714
Conc: 74.79 ng/ml



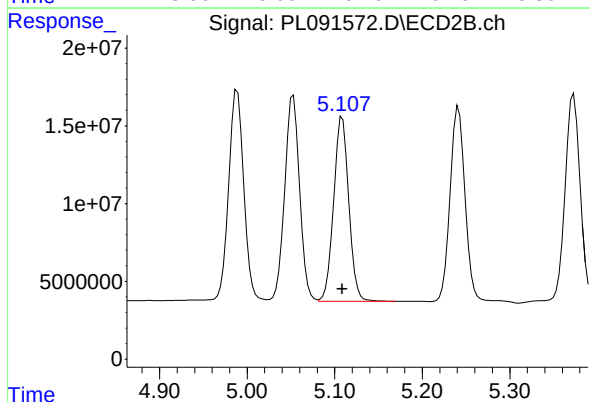
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 112598153
Conc: 74.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

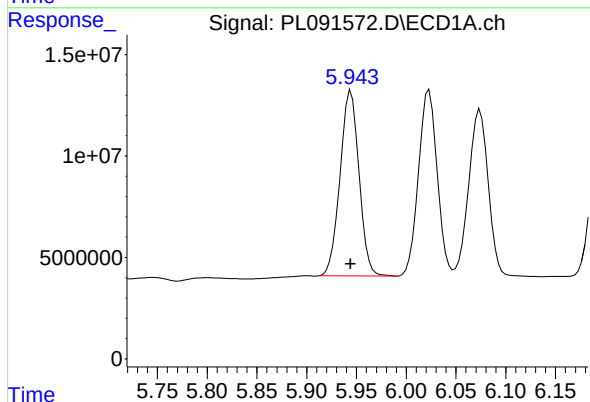
Manual Integrations
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Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



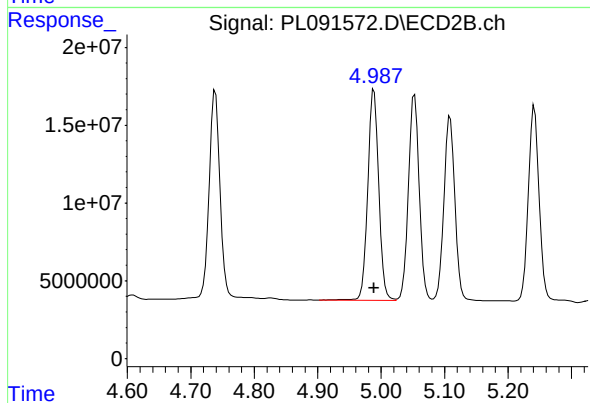
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 142753979
Conc: 74.52 ng/ml



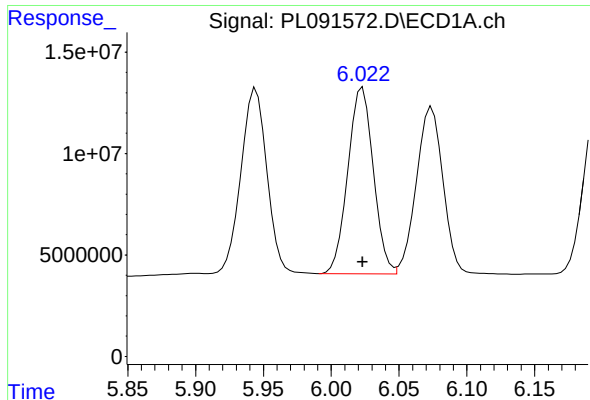
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 121462389
Conc: 75.09 ng/ml



#10 gamma-Chlordane

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 163475062
Conc: 75.31 ng/ml



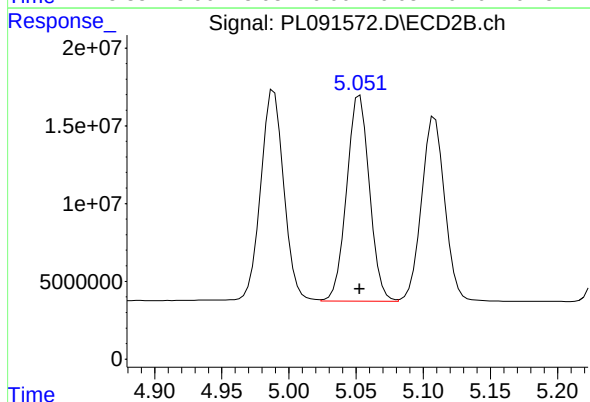
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 120089641
Conc: 75.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

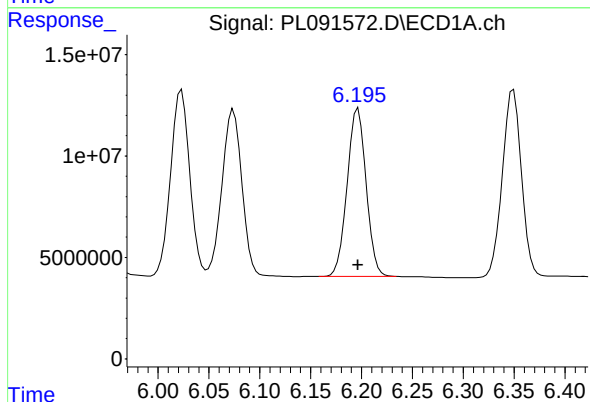
Manual Integrations
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Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



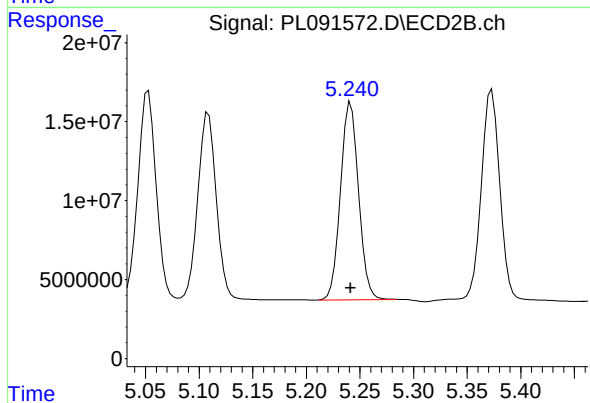
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 157014020
Conc: 75.12 ng/ml



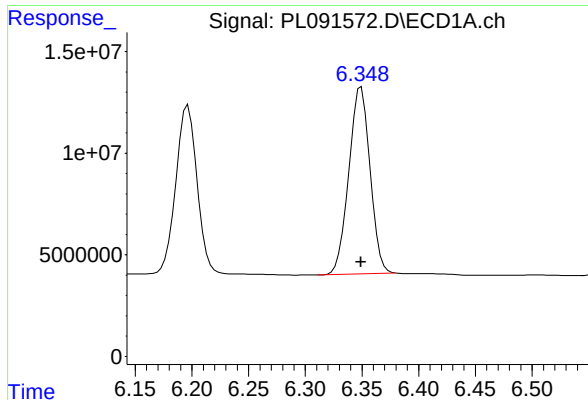
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 107751293
Conc: 74.73 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: -0.001 min
Response: 146836297
Conc: 74.44 ng/ml m



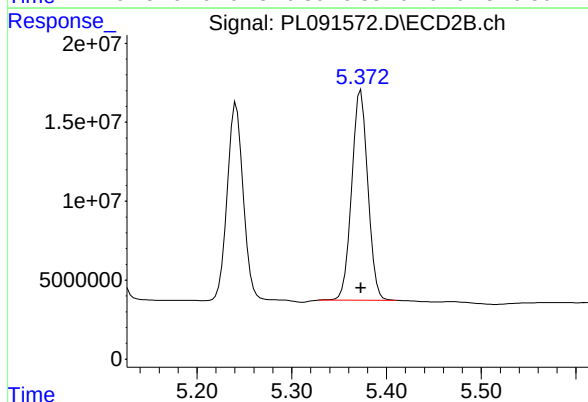
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 119938557
Conc: 74.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

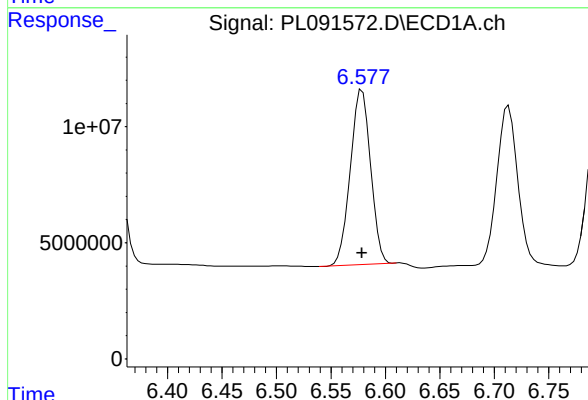
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



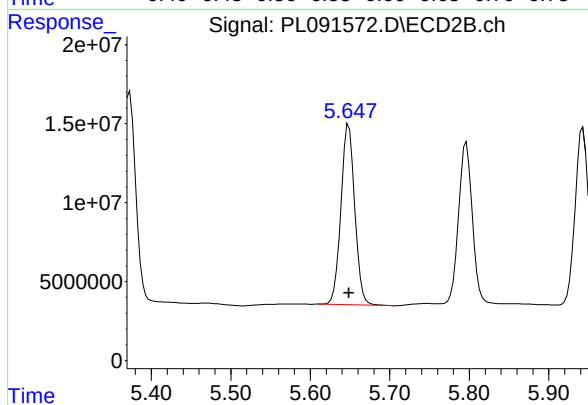
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 158009099
Conc: 75.35 ng/ml



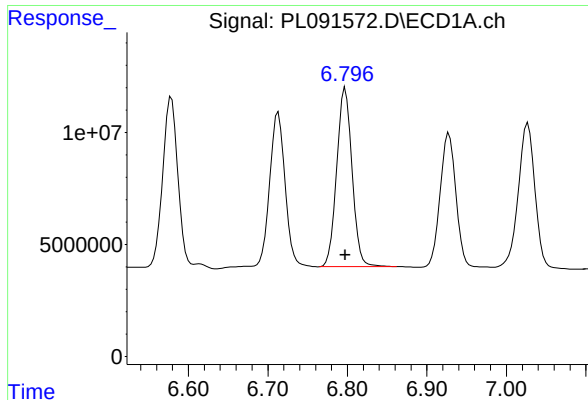
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 97673303
Conc: 75.01 ng/ml



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 138264109
Conc: 74.92 ng/ml



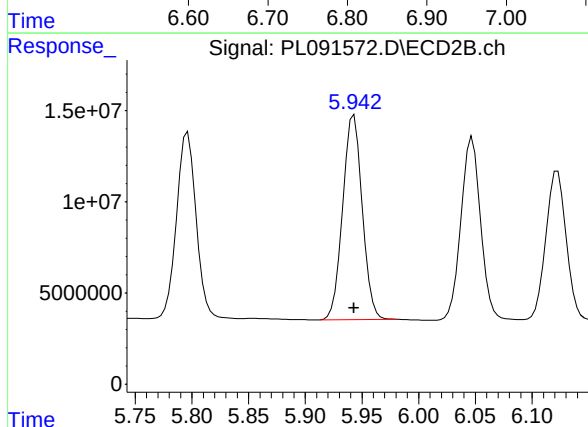
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 107234507
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

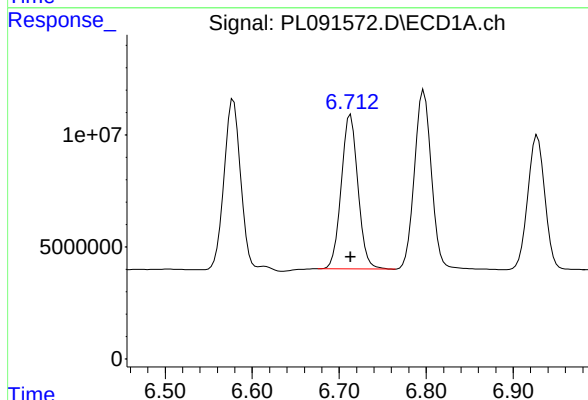
Manual Integrations
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Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



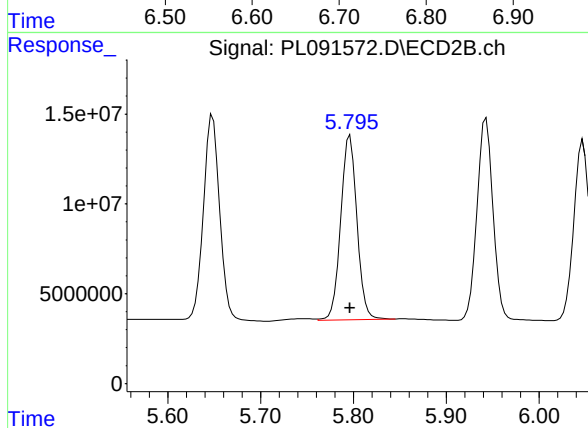
#15 Endosulfan II

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 134459576
Conc: 75.05 ng/ml



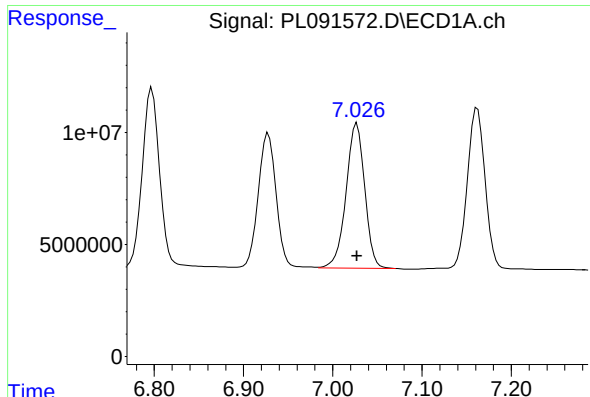
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 92397005
Conc: 74.84 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 124592614
Conc: 74.96 ng/ml



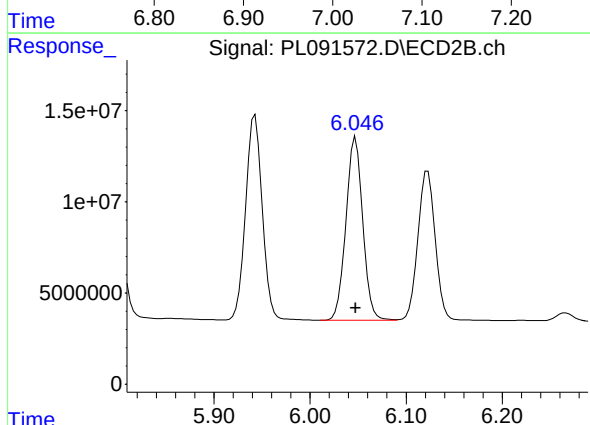
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 94055351
Conc: 74.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

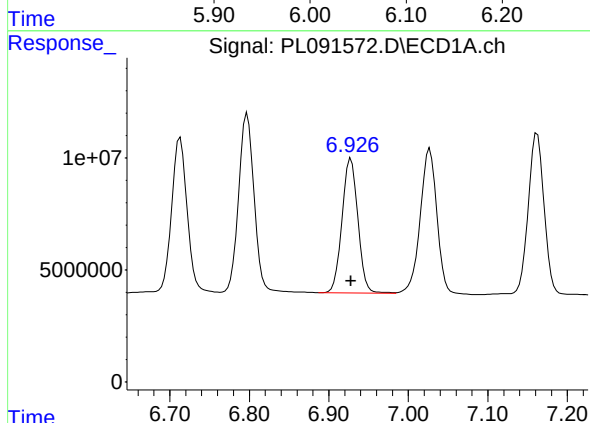
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Supervised By :Ankita Jodhani 09/11/2024



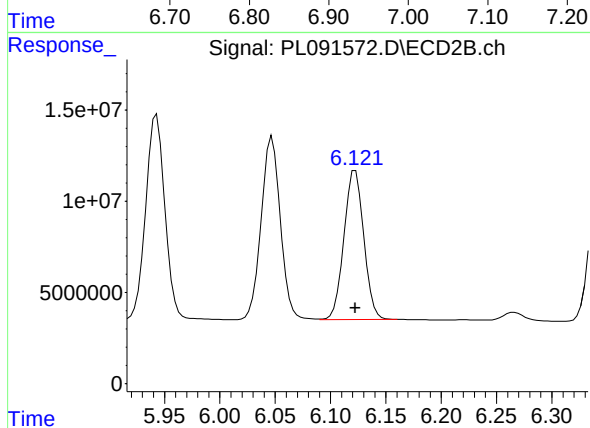
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 121237920
Conc: 74.88 ng/ml



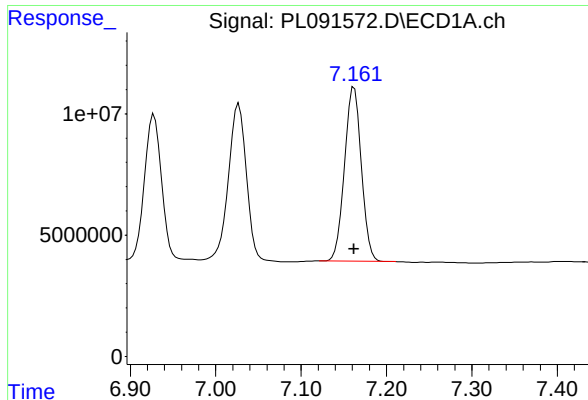
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 83233510
Conc: 74.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 102001671
Conc: 74.66 ng/ml



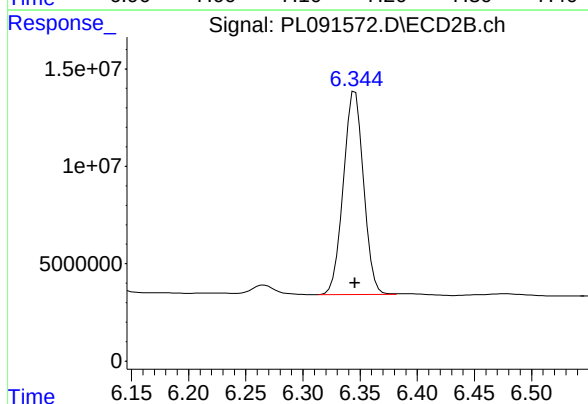
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 98491870
Conc: 74.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

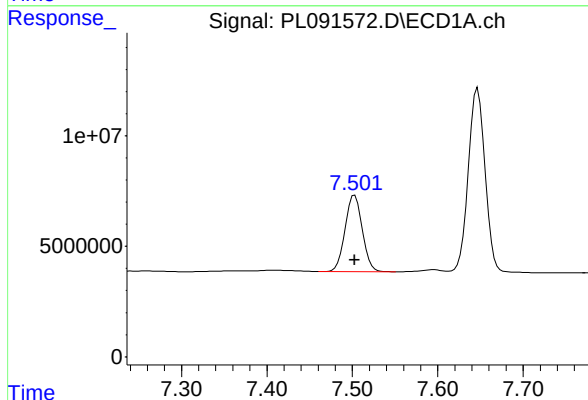
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Supervised By :Ankita Jodhani 09/11/2024



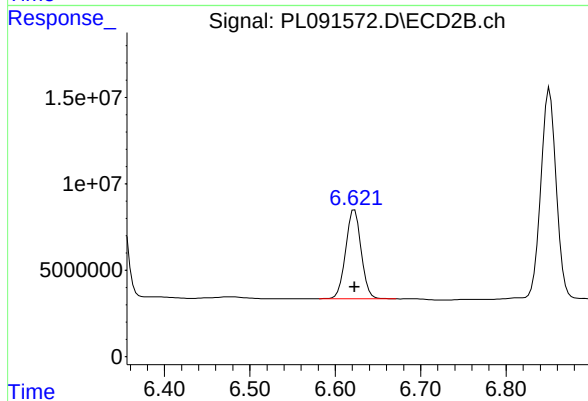
#19 Endosulfan Sulfate

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 128745064
Conc: 74.95 ng/ml



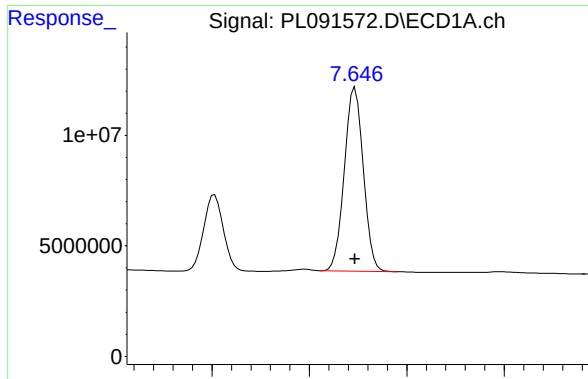
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 48606672
Conc: 74.05 ng/ml



#20 Methoxychlor

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 64963105
Conc: 74.72 ng/ml



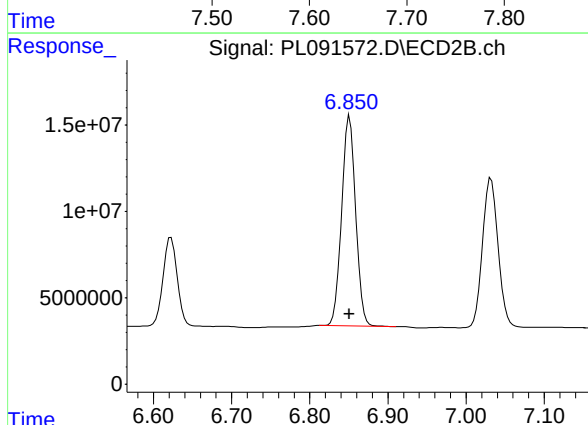
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 112303253
Conc: 74.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

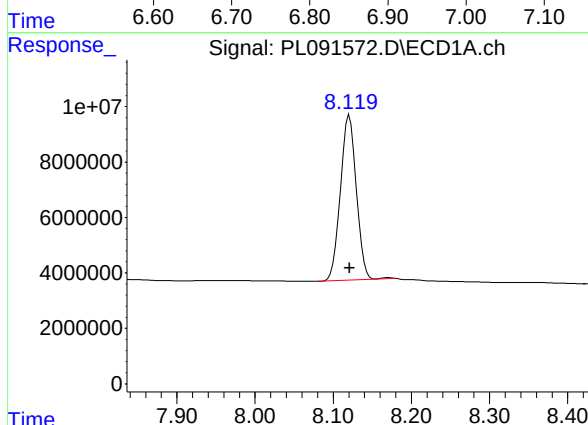
Manual Integrations
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Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



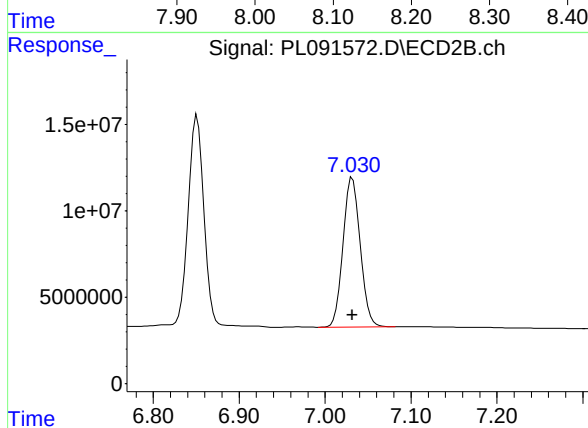
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 151440166
Conc: 74.67 ng/ml



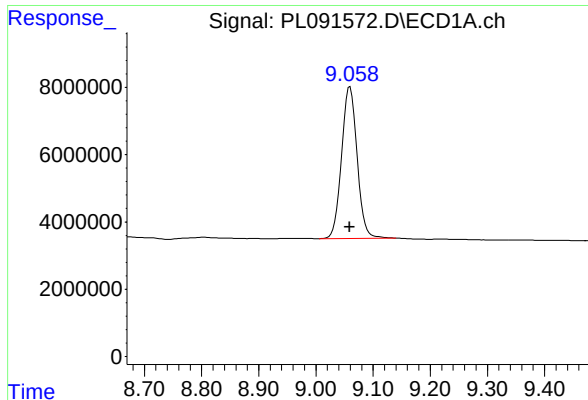
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 84617028
Conc: 74.37 ng/ml



#22 Mirex

R.T.: 7.032 min
Delta R.T.: 0.000 min
Response: 119971167
Conc: 74.58 ng/ml



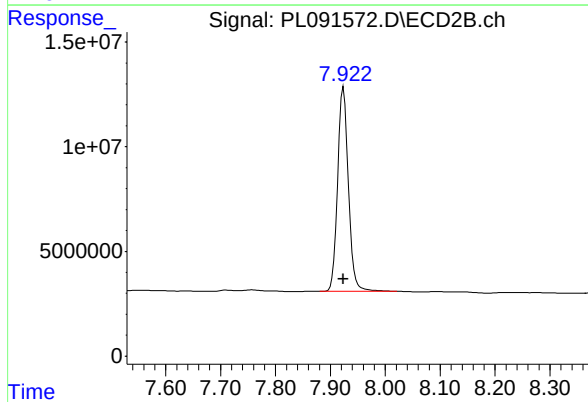
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 85535158
Conc: 74.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 132755883
Conc: 74.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:58
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: Sep 09 16:18:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	74832126	93233754	50.000	50.000
28) SA Decachlor...	9.060	7.925	58864100	89706305	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.999	3.286	105.1E6	134.2E6	50.000	50.000
3) MA gamma-BHC...	4.332	3.616	99783579	123.8E6	50.000	50.000
4) MA Heptachlor	4.921	3.956	91744201	119.9E6	50.000	50.000
5) MB Aldrin	5.262	4.236	88548369	113.3E6	50.000	50.000
6) B beta-BHC	4.528	3.915	43876740	52550611	50.000	50.000
7) B delta-BHC	4.776	4.145	91289942	116.0E6	50.000	50.000
8) B Heptachlo...	5.689	4.739	78841596	103.2E6	50.000	50.000
9) A Endosulfan I	6.074	5.109	75205245	94228390	50.000	50.000
10) B gamma-Chl...	5.945	4.989	80585238	106.7E6	50.000	50.000
11) B alpha-Chl...	6.023	5.053	79473049	102.7E6	50.000	50.000
12) B 4,4'-DDE	6.196	5.242	71425110	94898531	50.000	50.000
13) MA Dieldrin	6.349	5.374	79881341	102.0E6	50.000	50.000
14) MA Endrin	6.579	5.649	64643821	90337100	50.000	50.000
15) B Endosulfa...	6.798	5.943	72224064	88107883	50.000	50.000
16) A 4,4'-DDD	6.714	5.797	61682542	82231444	50.000	50.000
17) MA 4,4'-DDT	7.028	6.047	63198293	78512022	50.000	50.000
18) B Endrin al...	6.929	6.123	56571300	67826225	50.000	50.000
19) B Endosulfa...	7.162	6.346	67278834	84991076	50.000	50.000
20) A Methoxychlor	7.503	6.623	33144870	43339075	50.000	50.000
21) B Endrin ke...	7.647	6.851	75871602	100.6E6	50.000	50.000
22) Mirex	8.121	7.033	58096935	81837013	50.000	50.000

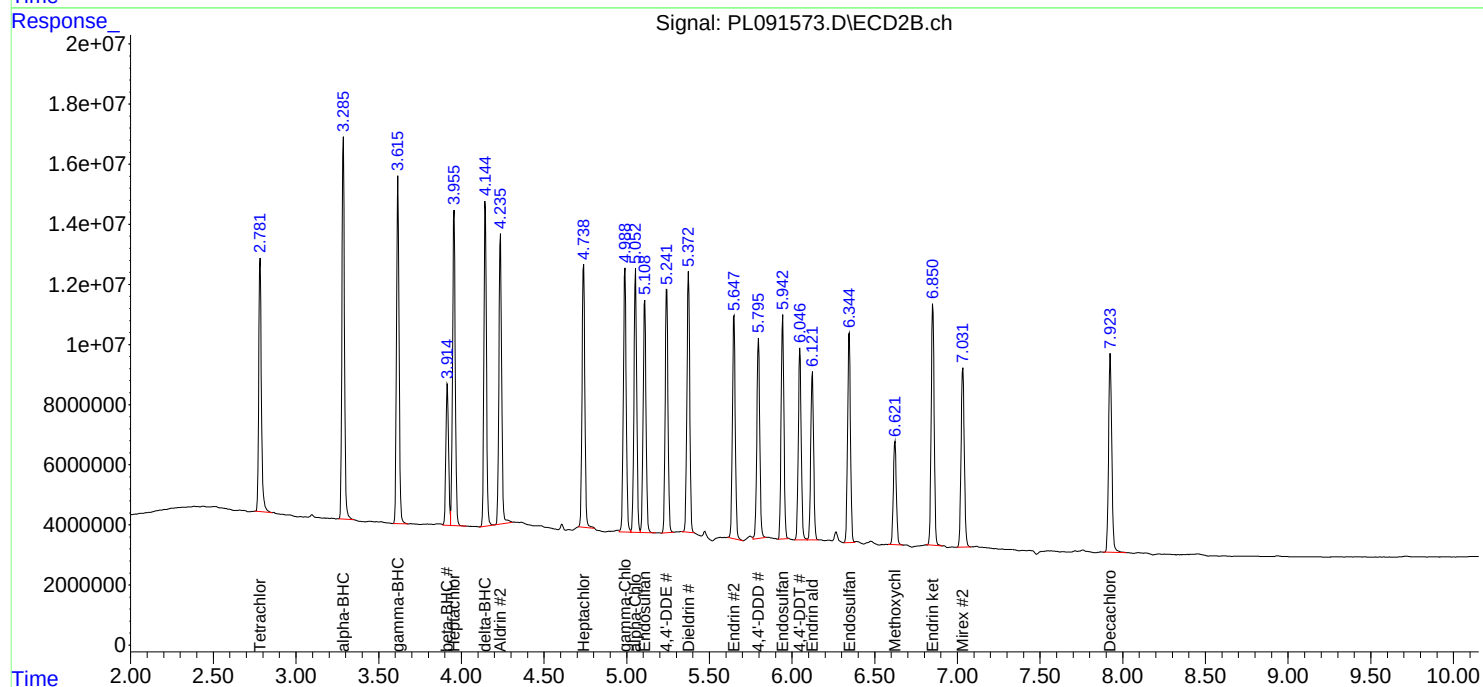
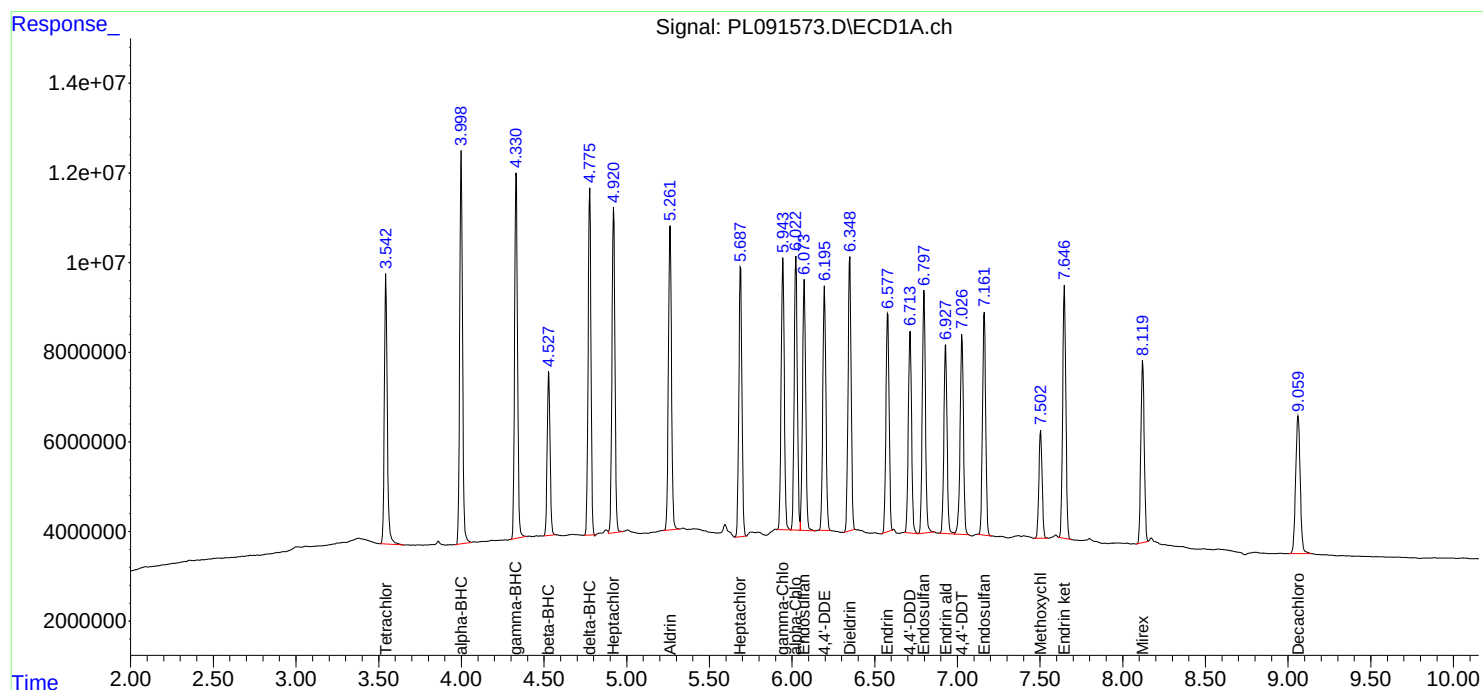
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

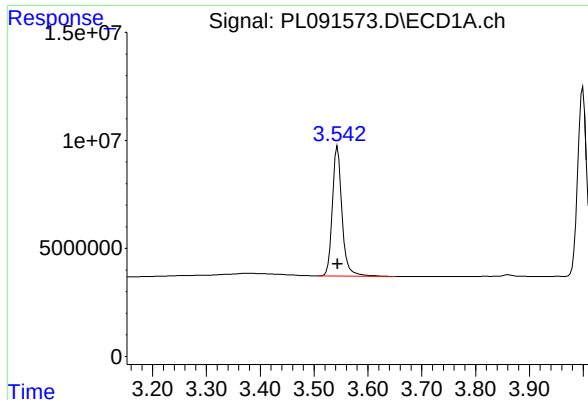
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:58
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 16:18:13 2024
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

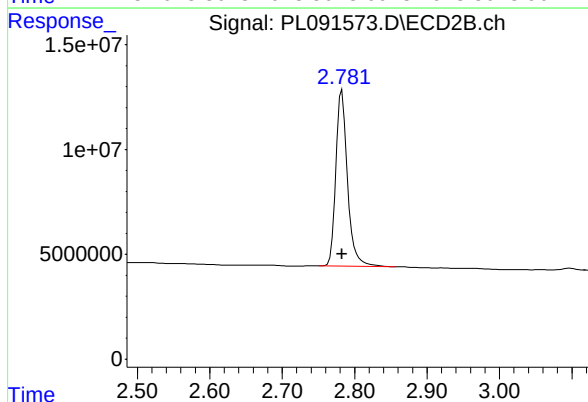




#1 Tetrachloro-m-xylene

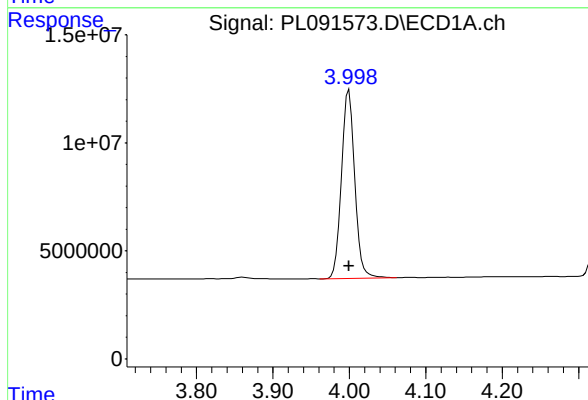
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 74832126
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



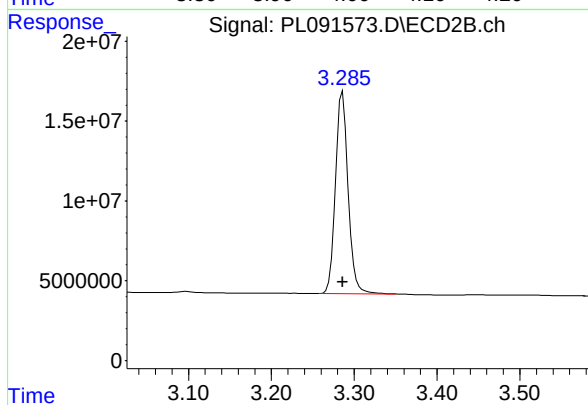
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 93233754
Conc: 50.00 ng/ml



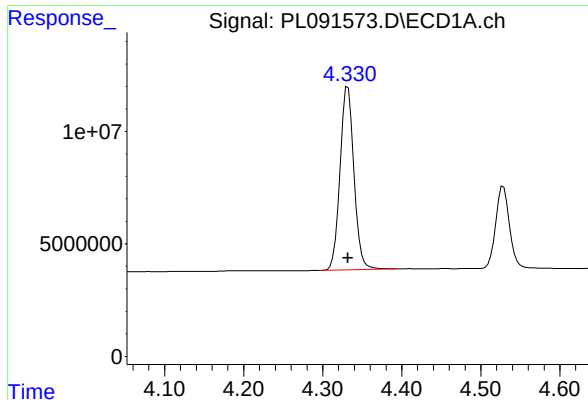
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 105121137
Conc: 50.00 ng/ml



#2 alpha-BHC

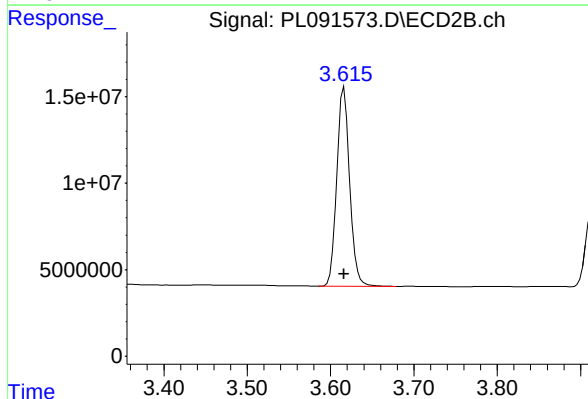
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 134209374
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

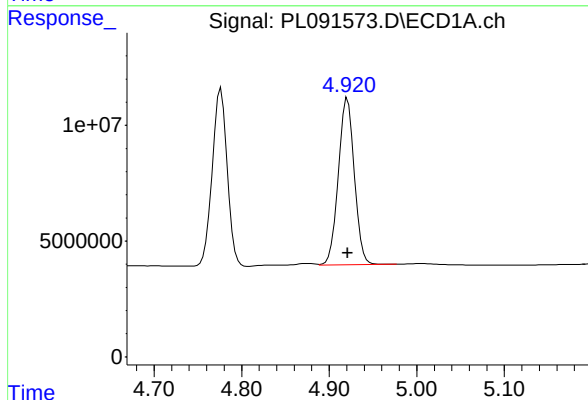
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 99783579
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



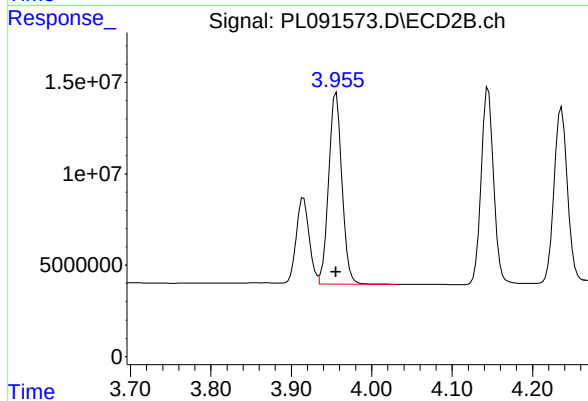
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 123763299
Conc: 50.00 ng/ml



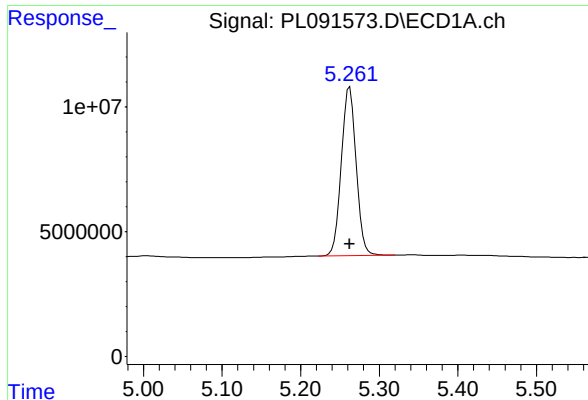
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 91744201
Conc: 50.00 ng/ml



#4 Heptachlor

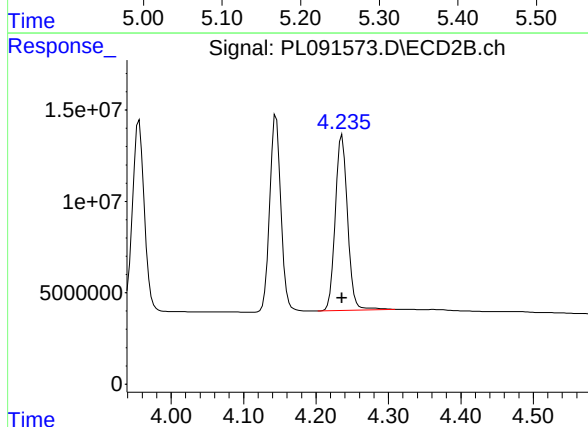
R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 119856372
Conc: 50.00 ng/ml



#5 Aldrin

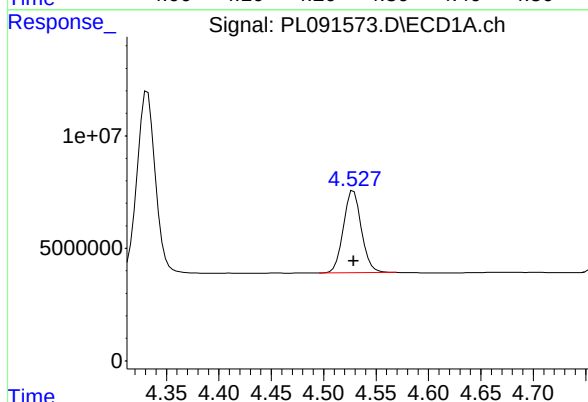
R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 88548369
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



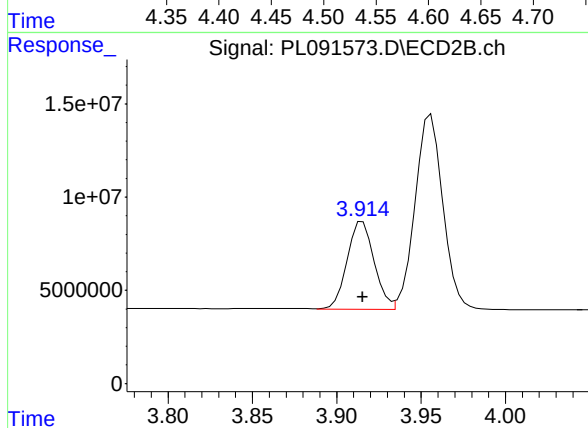
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 113302549
Conc: 50.00 ng/ml



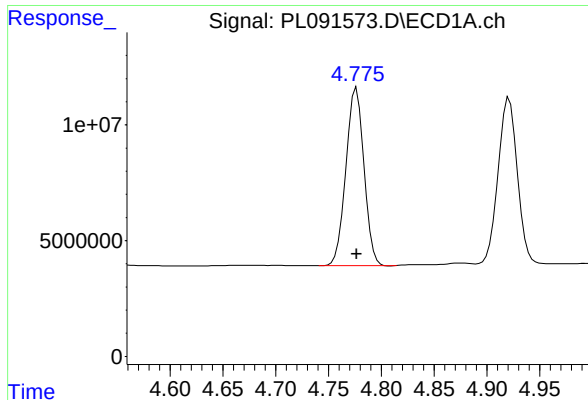
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 43876740
Conc: 50.00 ng/ml



#6 beta-BHC

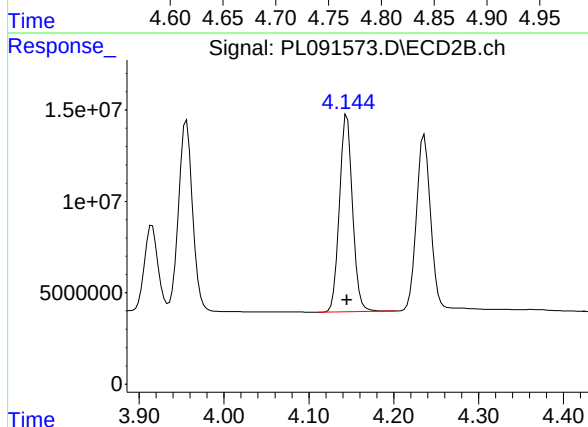
R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 52550611
Conc: 50.00 ng/ml



#7 delta-BHC

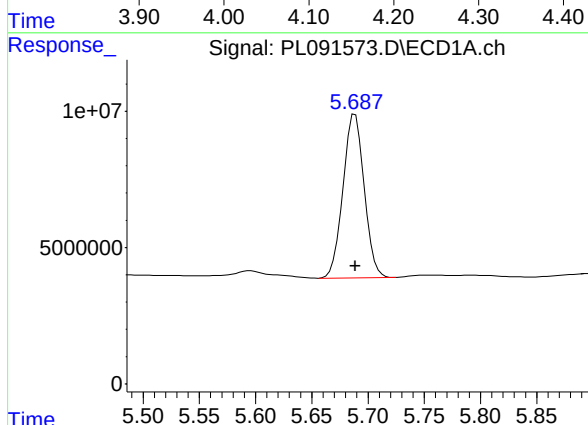
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 91289942
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



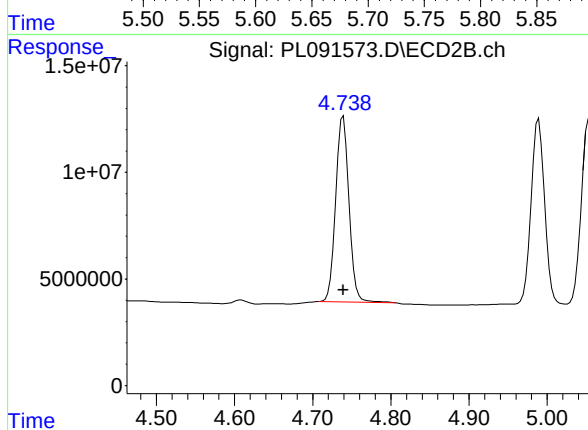
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 115974976
Conc: 50.00 ng/ml



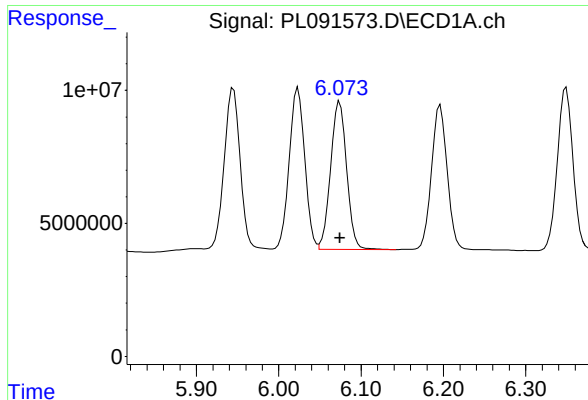
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 78841596
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

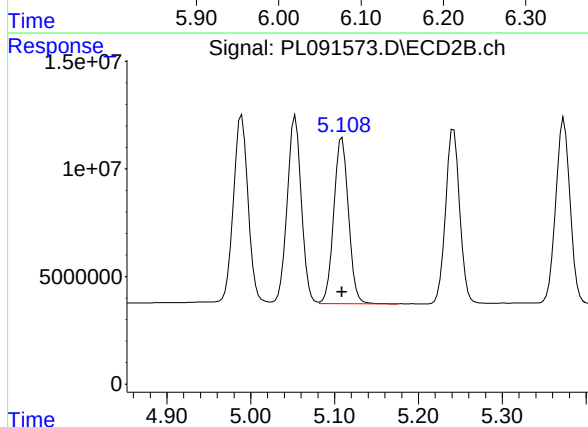
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 103221581
Conc: 50.00 ng/ml



#9 Endosulfan I

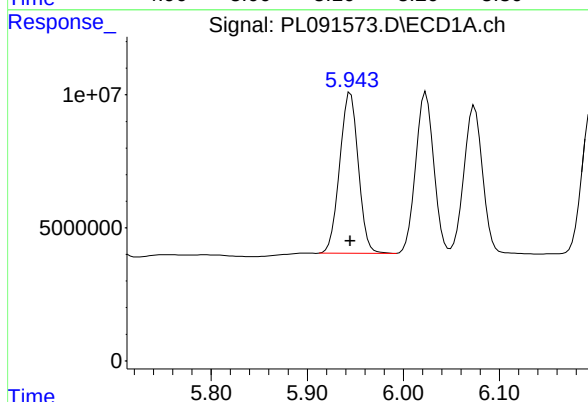
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 75205245
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



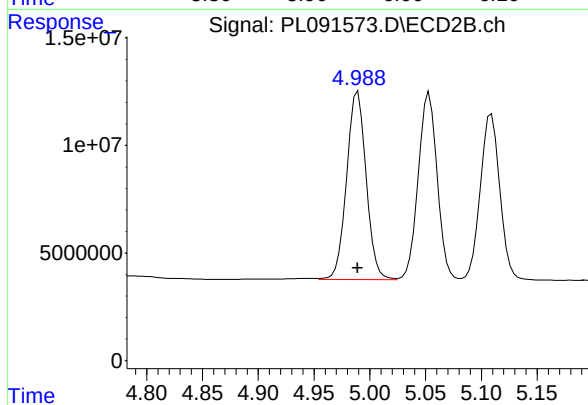
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 94228390
Conc: 50.00 ng/ml



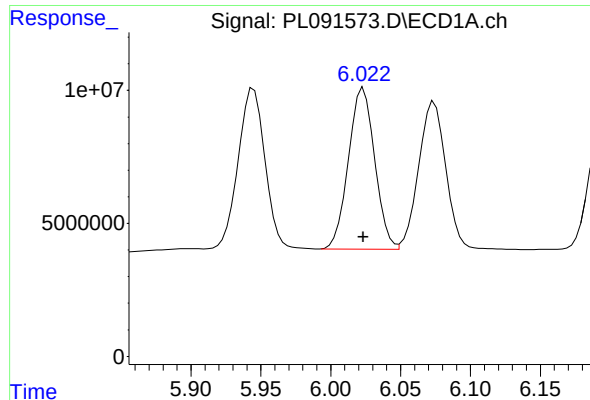
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 80585238
Conc: 50.00 ng/ml



#10 gamma-Chlordane

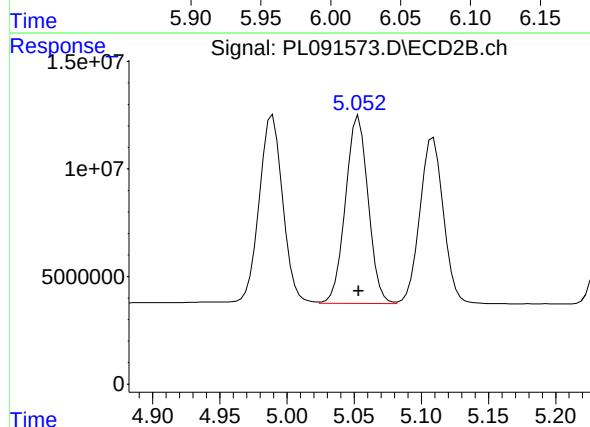
R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 106684111
Conc: 50.00 ng/ml



#11 alpha-Chlordane

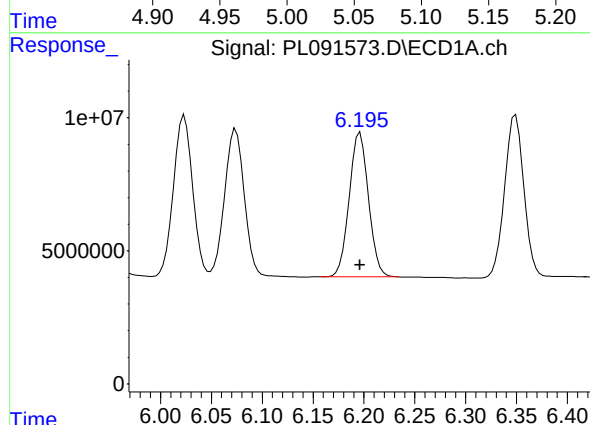
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 79473049
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



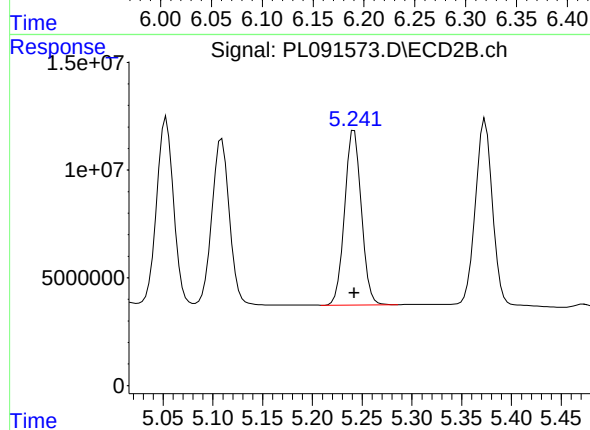
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 102706676
Conc: 50.00 ng/ml



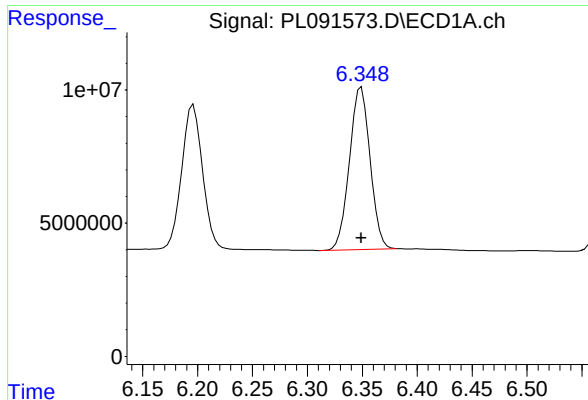
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 71425110
Conc: 50.00 ng/ml



#12 4,4'-DDE

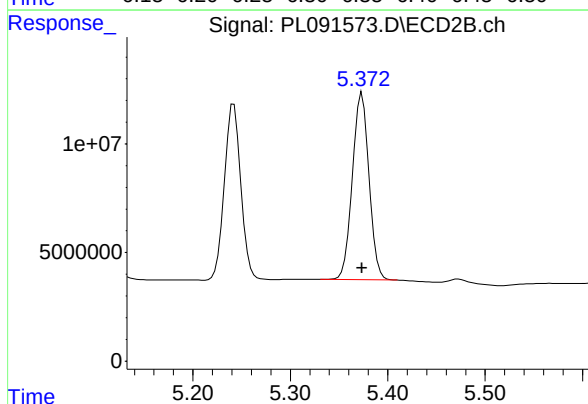
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 94898531
Conc: 50.00 ng/ml



#13 Dieldrin

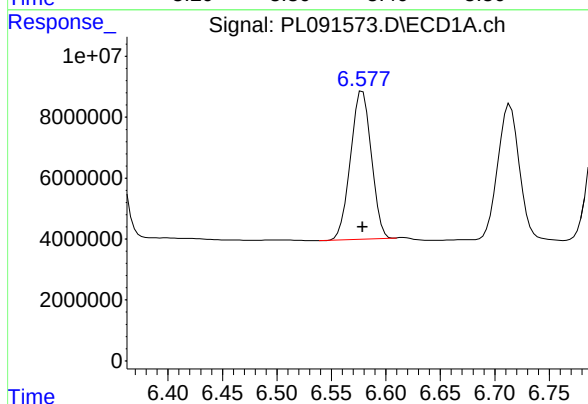
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 79881341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



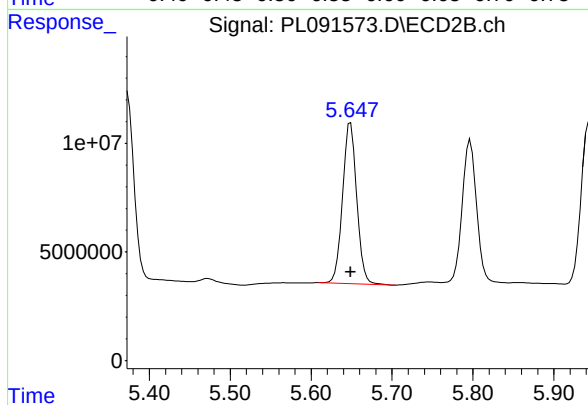
#13 Dieldrin

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 101951228
Conc: 50.00 ng/ml



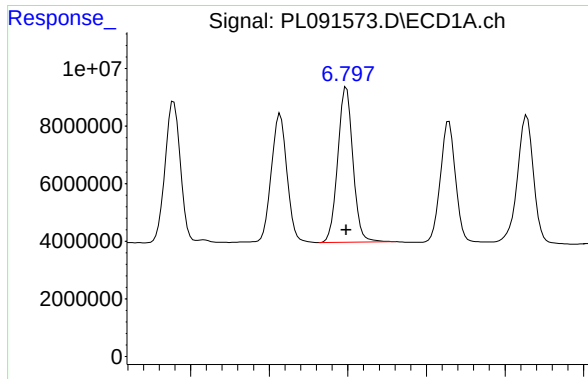
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 64643821
Conc: 50.00 ng/ml



#14 Endrin

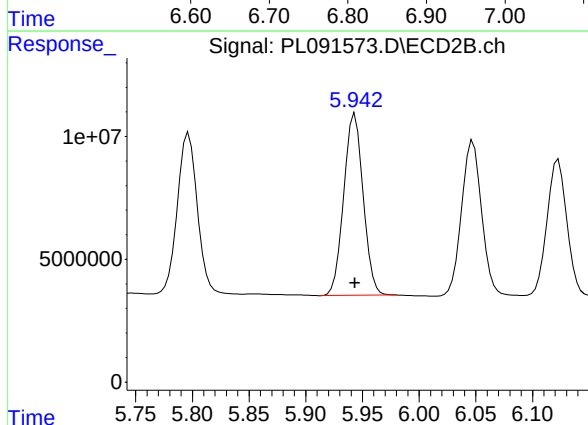
R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 90337100
Conc: 50.00 ng/ml



#15 Endosulfan II

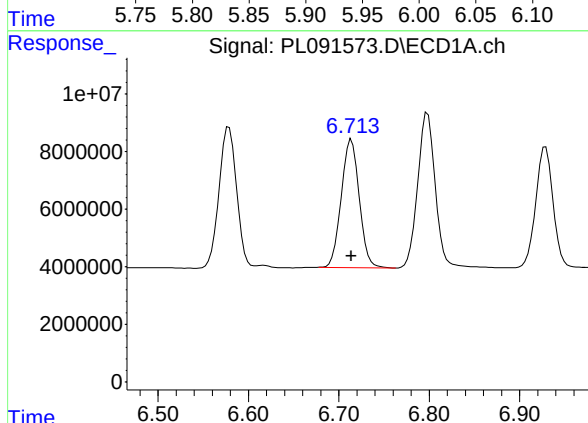
R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 72224064
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



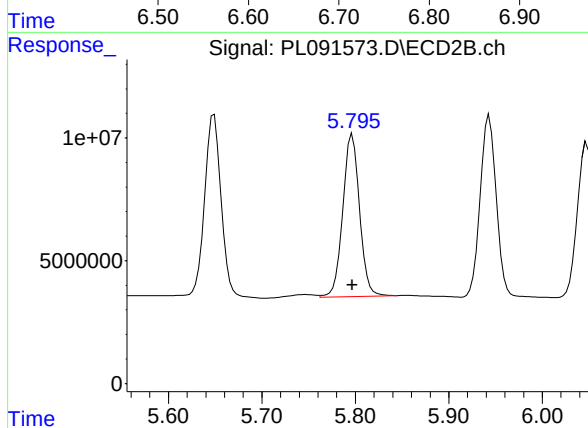
#15 Endosulfan II

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 88107883
Conc: 50.00 ng/ml



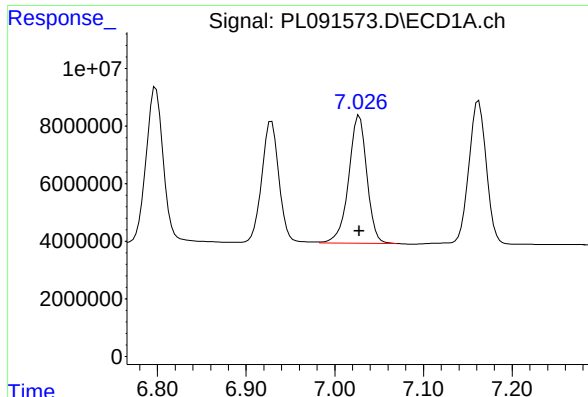
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 61682542
Conc: 50.00 ng/ml



#16 4,4'-DDD

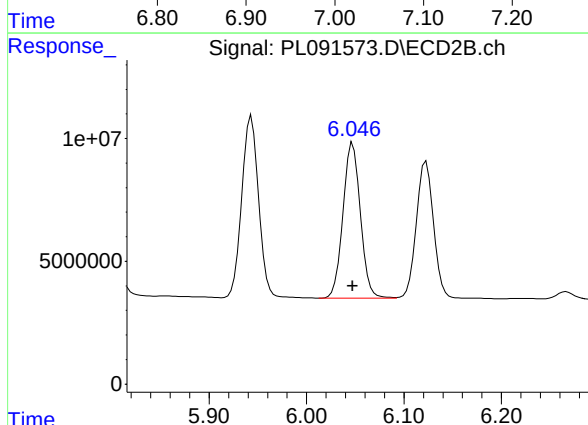
R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 82231444
Conc: 50.00 ng/ml



#17 4,4'-DDT

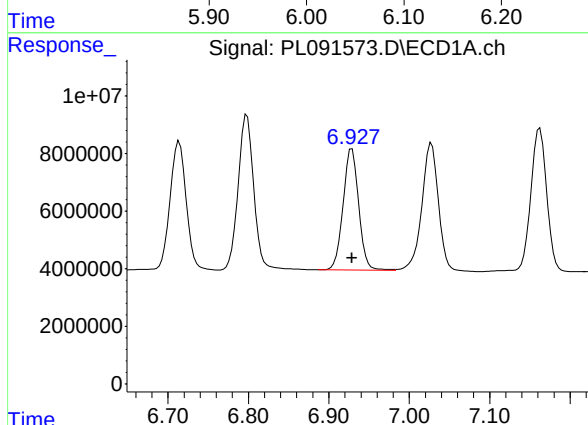
R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 63198293
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



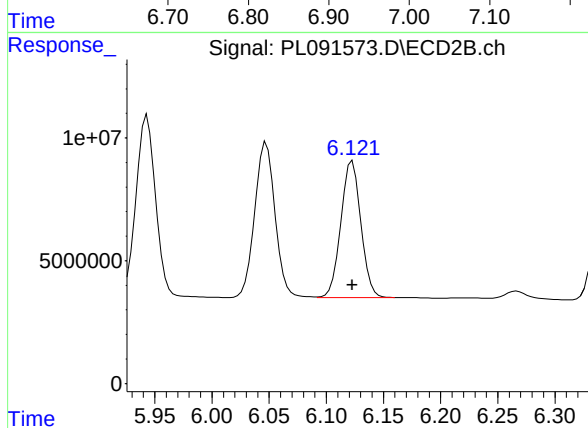
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 78512022
Conc: 50.00 ng/ml



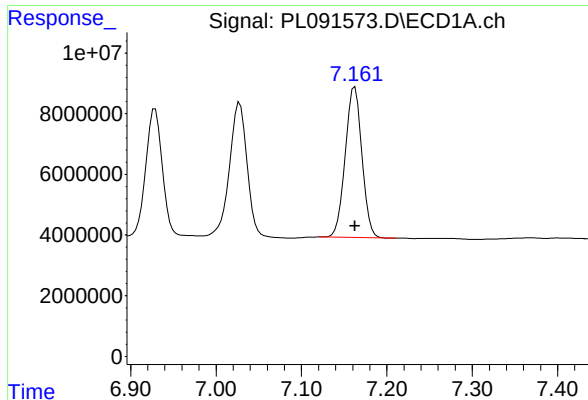
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 56571300
Conc: 50.00 ng/ml



#18 Endrin aldehyde

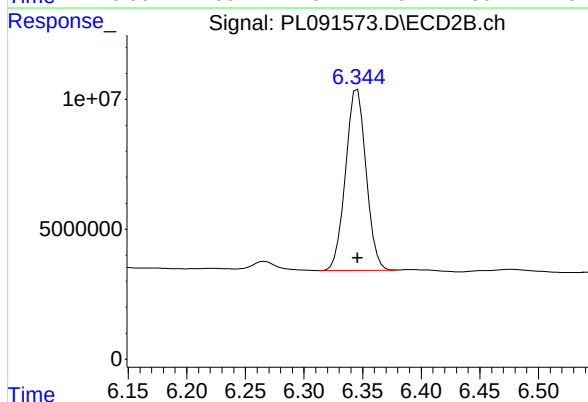
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 67826225
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

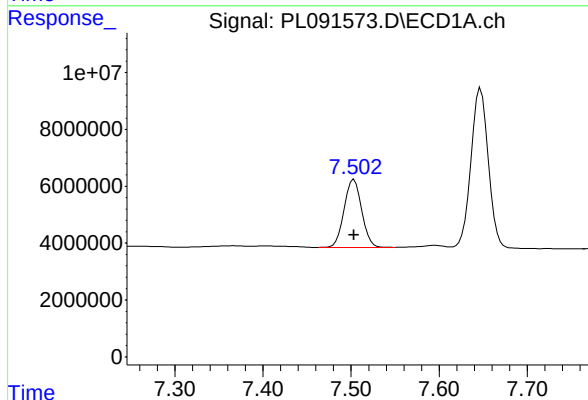
R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 67278834
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



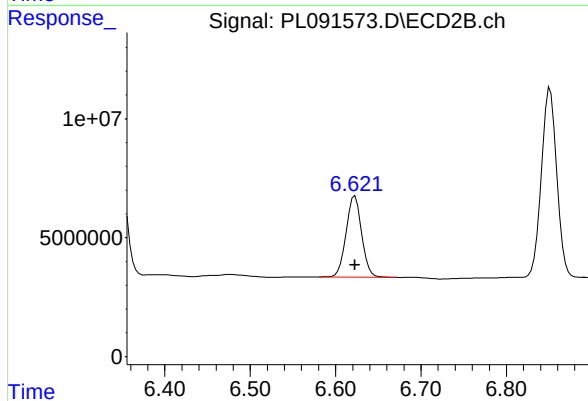
#19 Endosulfan Sulfate

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 84991076
Conc: 50.00 ng/ml



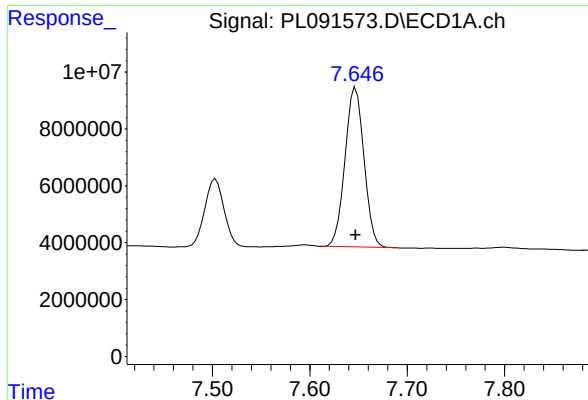
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 33144870
Conc: 50.00 ng/ml



#20 Methoxychlor

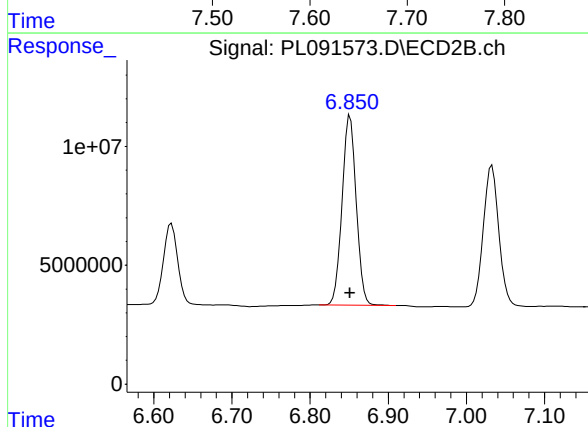
R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 43339075
Conc: 50.00 ng/ml



#21 Endrin ketone

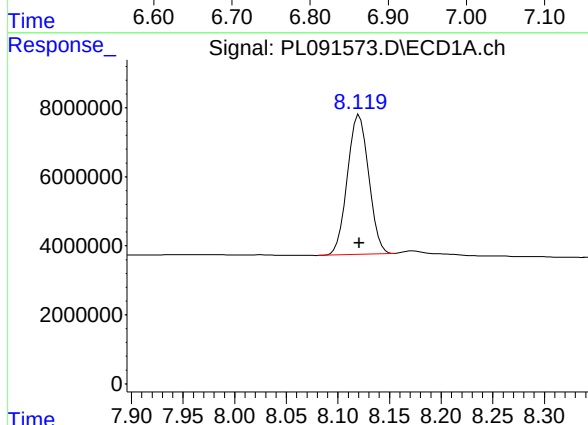
R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 75871602
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



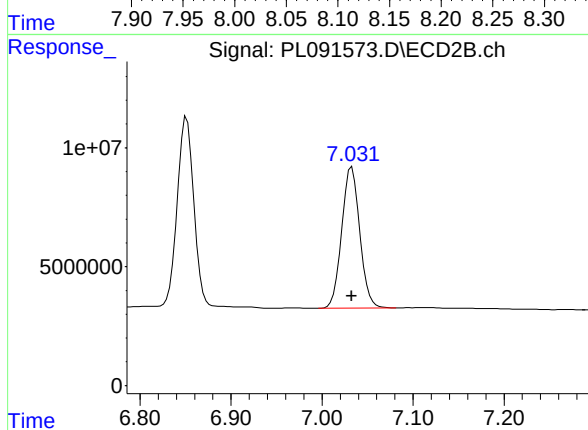
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 100589514
Conc: 50.00 ng/ml



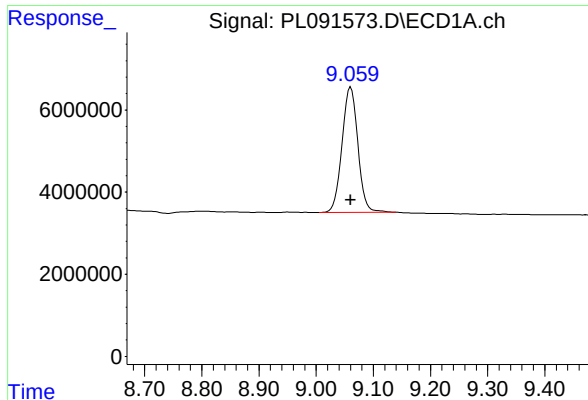
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 58096935
Conc: 50.00 ng/ml



#22 Mirex

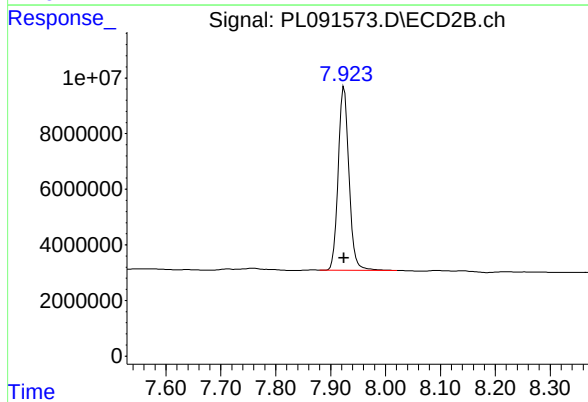
R.T.: 7.033 min
Delta R.T.: 0.000 min
Response: 81837013
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 58864100
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 89706305
Conc: 50.00 ng/ml

- 1
- 2
- 3
- 4
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- 8
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- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
 Data File : PL091574.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:11
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 16:26:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 16:26:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.784	37955480	45985318	25.092	24.469
28) SA Decachlor...	9.060	7.925	31298985	46252542	26.550	25.775
Target Compounds						
2) A alpha-BHC	4.001	3.287	51774120	62629335	24.197	23.127
3) MA gamma-BHC...	4.333	3.617	49613892	58600915	24.368	23.475
4) MA Heptachlor	4.920	3.957	45944744	58068921	24.734m	23.996
5) MB Aldrin	5.263	4.237	45056011	54747157	25.247	23.846
6) B beta-BHC	4.530	3.916	22357922	26493121	25.411	25.081
7) B delta-BHC	4.777	4.145	45832423	54493997	24.650	23.265
8) B Heptachlo...	5.689	4.738	41569964	50296810	25.876	24.181m
9) A Endosulfan I	6.075	5.110	38466605	46309768	25.394	24.377
10) B gamma-Chl...	5.945	4.990	41293121	54744702	25.394	25.164
11) B alpha-Chl...	6.024	5.053	40240057	50217956	25.122	24.262
12) B 4,4'-DDE	6.197	5.242	36033055	45504345	24.992	23.681
13) MA Dieldrin	6.349	5.374	40291241	49413665	25.050	23.907
14) MA Endrin	6.579	5.649	32800448	44726926	25.143	24.423
15) B Endosulfa...	6.798	5.944	37884948	43021147	26.059	24.253
16) A 4,4'-DDD	6.714	5.797	31265818	41368041	25.243	24.918
17) MA 4,4'-DDT	7.028	6.048	32112615	37889474	25.265	23.781
18) B Endrin al...	6.928	6.123	29584661	33689787	26.114	24.744
19) B Endosulfa...	7.162	6.346	34977060	41929421	26.004	24.555
20) A Methoxychlor	7.503	6.623	16748564	21956443	25.384	25.189
21) B Endrin ke...	7.647	6.852	38720354	49510310	25.457	24.556
22) Mirex	8.121	7.033	30592366	43256877	26.389	26.391

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

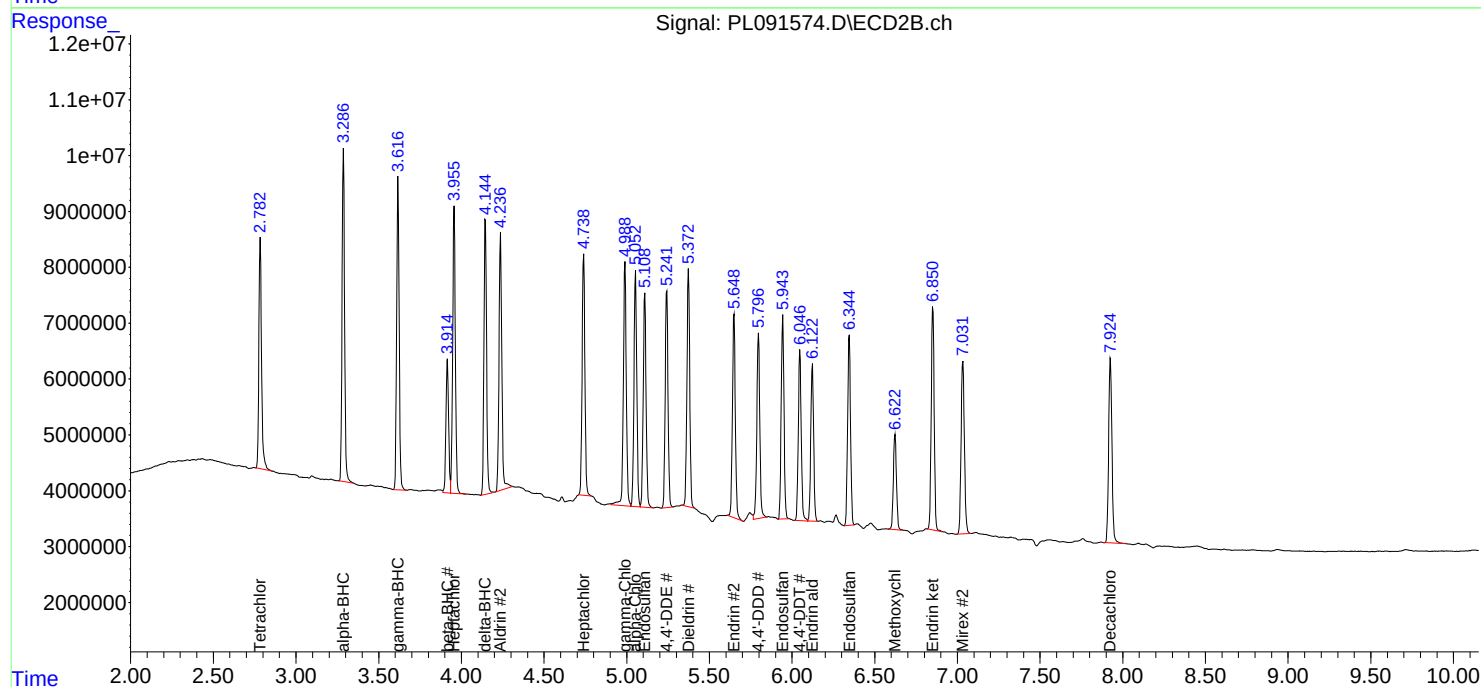
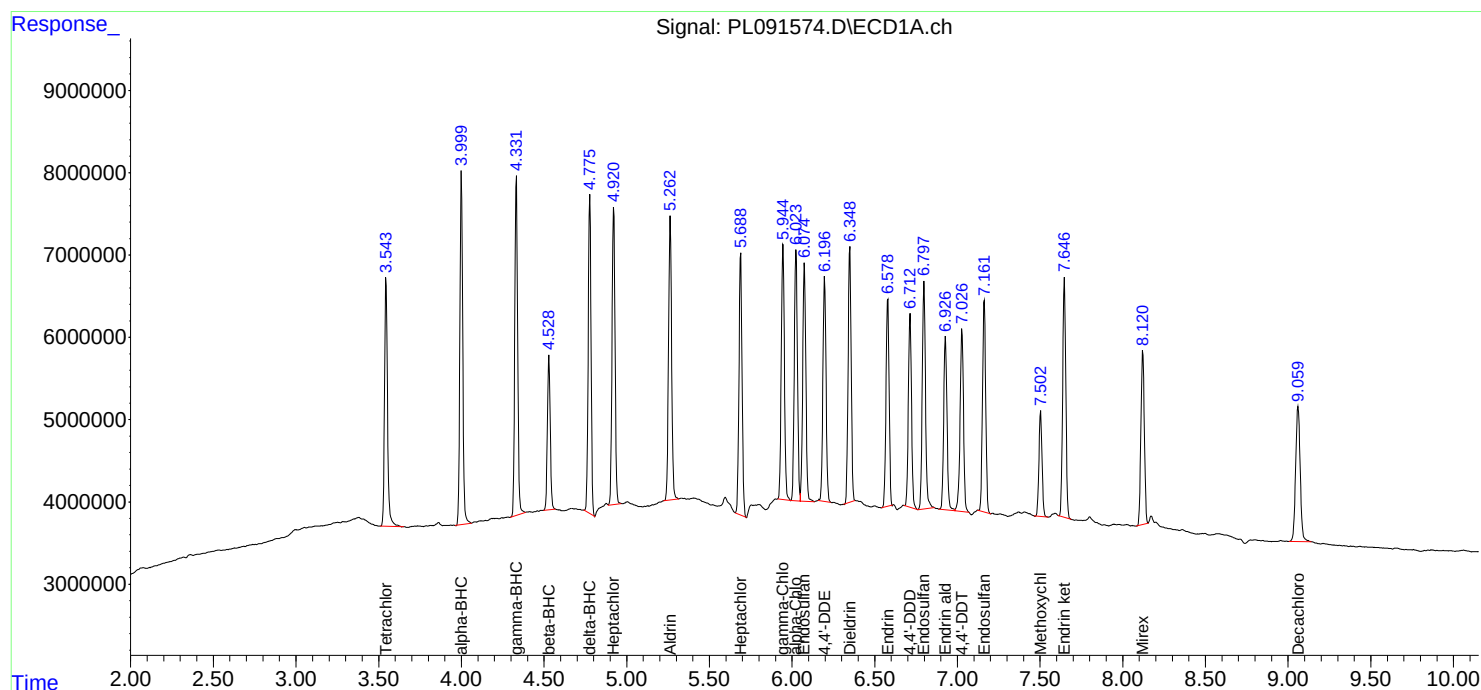
APPROVED

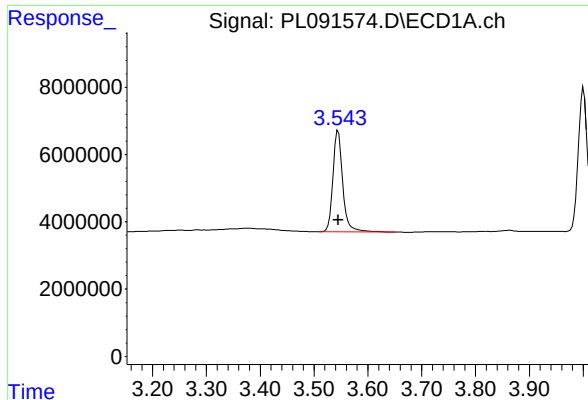
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 16:26:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:26:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





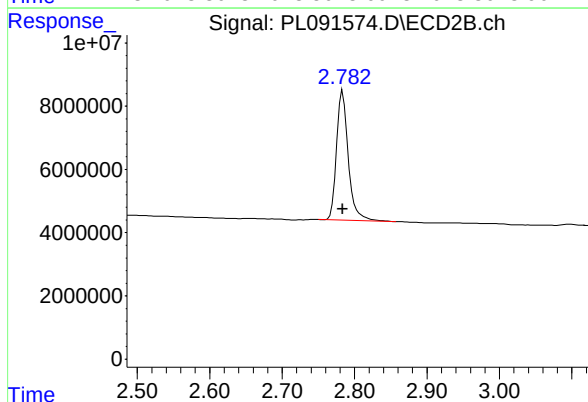
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 37955480
Conc: 25.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

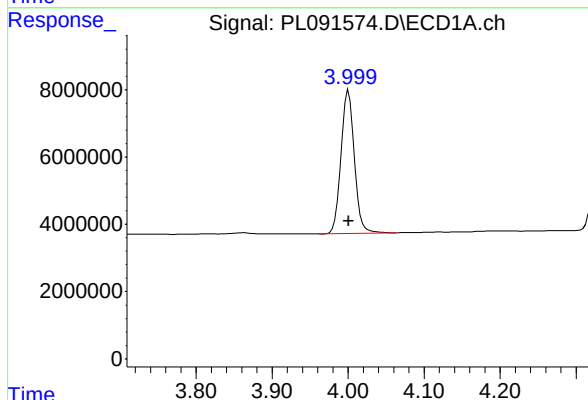
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



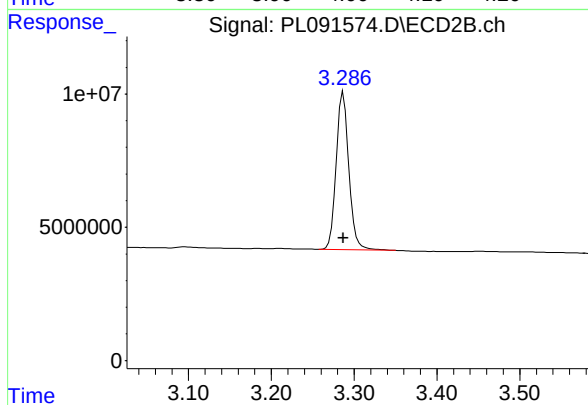
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.000 min
Response: 45985318
Conc: 24.47 ng/ml



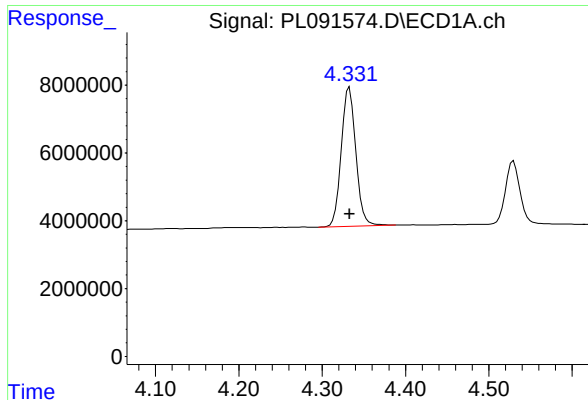
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 51774120
Conc: 24.20 ng/ml



#2 alpha-BHC

R.T.: 3.287 min
Delta R.T.: 0.000 min
Response: 62629335
Conc: 23.13 ng/ml



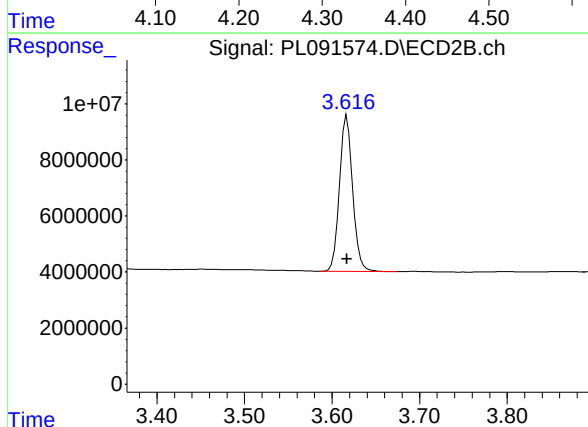
#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 49613892
Conc: 24.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

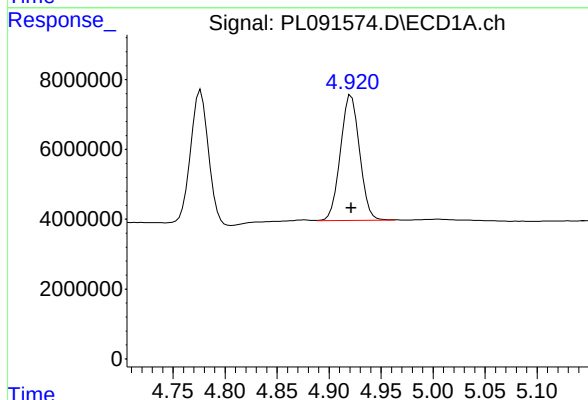
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



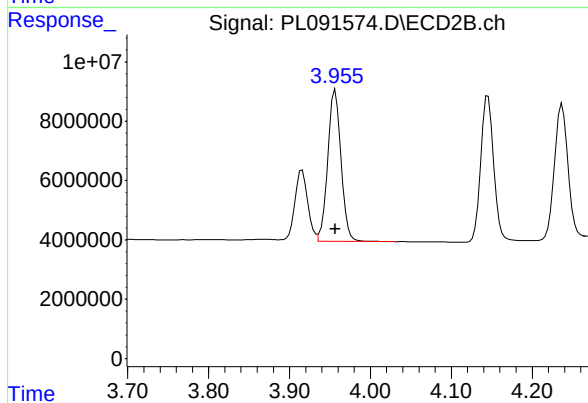
#3 gamma-BHC (Lindane)

R.T.: 3.617 min
Delta R.T.: 0.000 min
Response: 58600915
Conc: 23.48 ng/ml



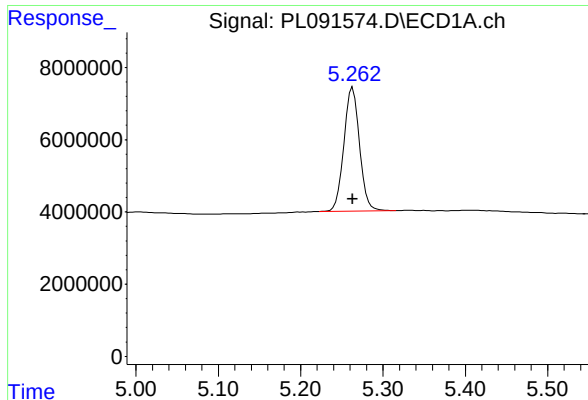
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 45944744
Conc: 24.73 ng/ml m



#4 Heptachlor

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 58068921
Conc: 24.00 ng/ml



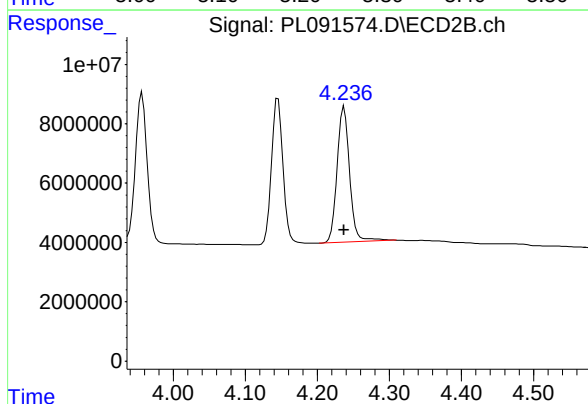
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 45056011
Conc: 25.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

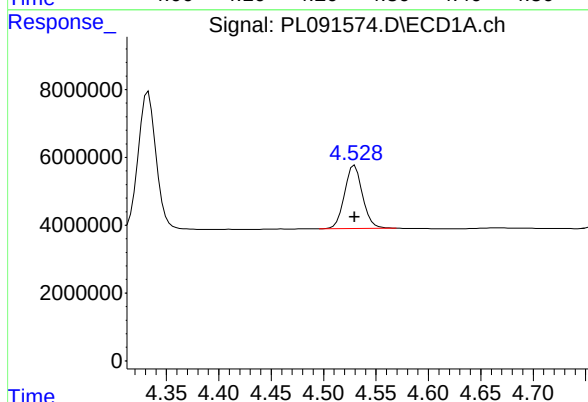
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



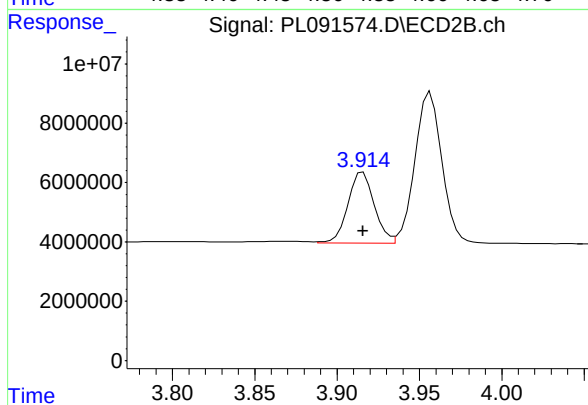
#5 Aldrin

R.T.: 4.237 min
Delta R.T.: 0.000 min
Response: 54747157
Conc: 23.85 ng/ml



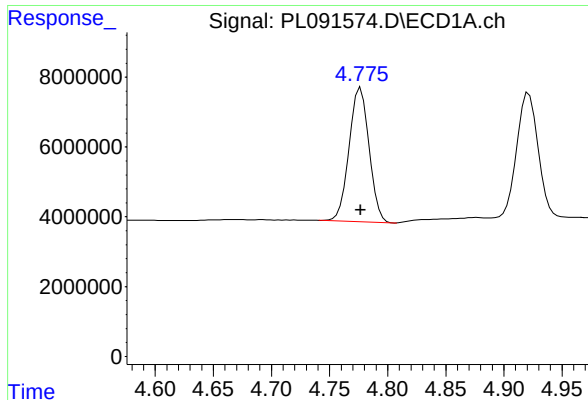
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.000 min
Response: 22357922
Conc: 25.41 ng/ml



#6 beta-BHC

R.T.: 3.916 min
Delta R.T.: 0.000 min
Response: 26493121
Conc: 25.08 ng/ml



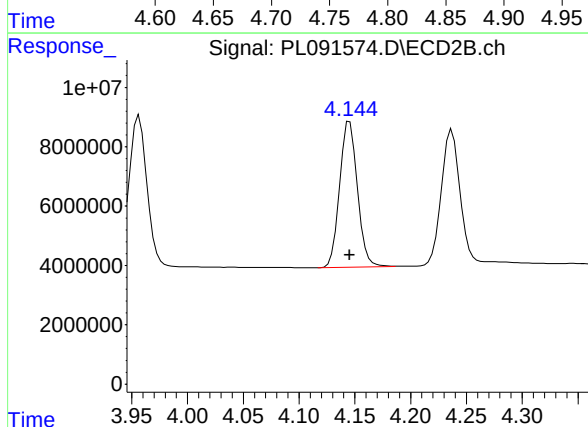
#7 delta-BHC

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 45832423
Conc: 24.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

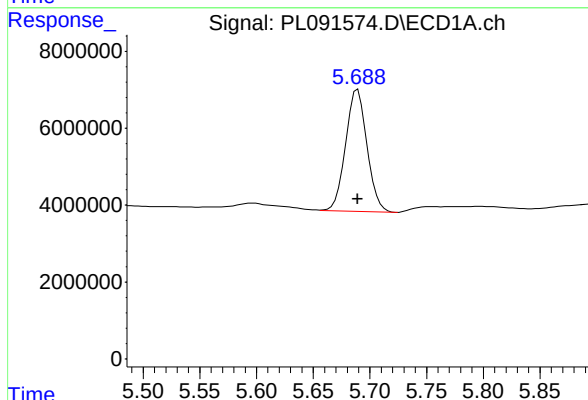
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



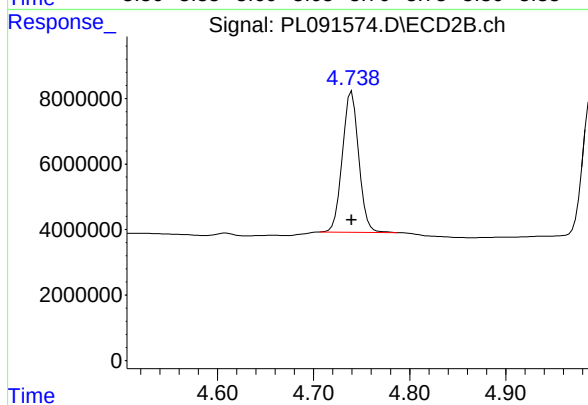
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 54493997
Conc: 23.27 ng/ml



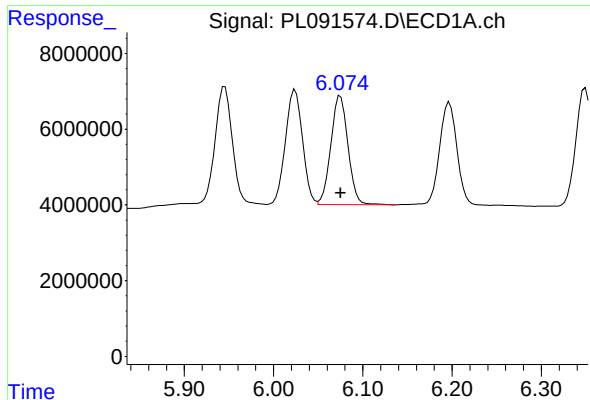
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 41569964
Conc: 25.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: -0.001 min
Response: 50296810
Conc: 24.18 ng/ml m



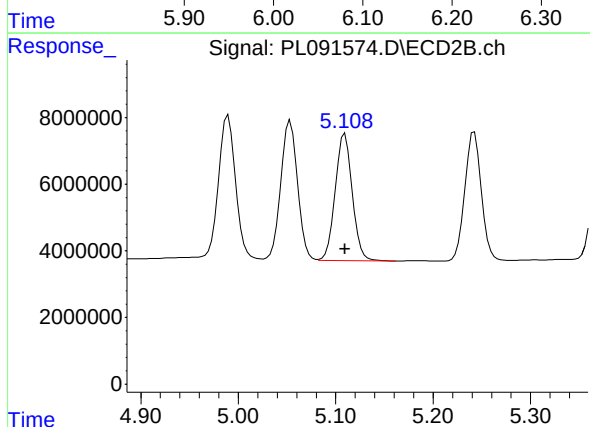
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 38466605
Conc: 25.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

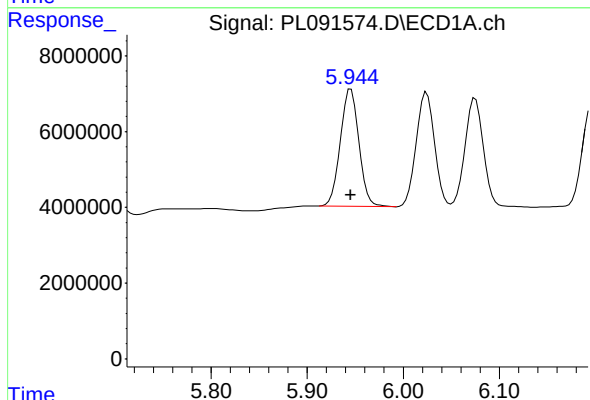
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



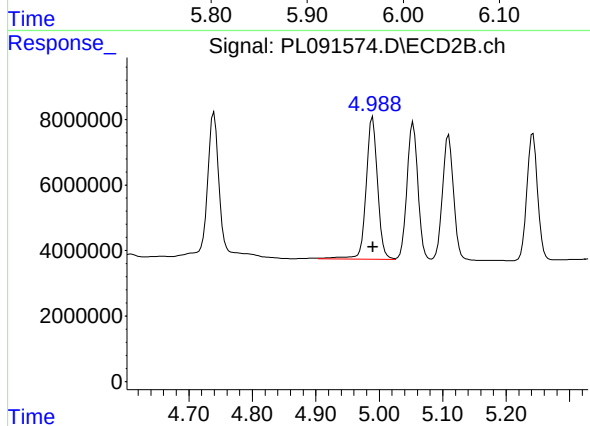
#9 Endosulfan I

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 46309768
Conc: 24.38 ng/ml



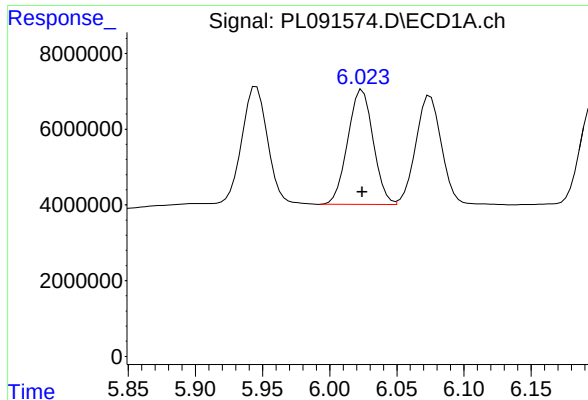
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 41293121
Conc: 25.39 ng/ml



#10 gamma-Chlordane

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 54744702
Conc: 25.16 ng/ml



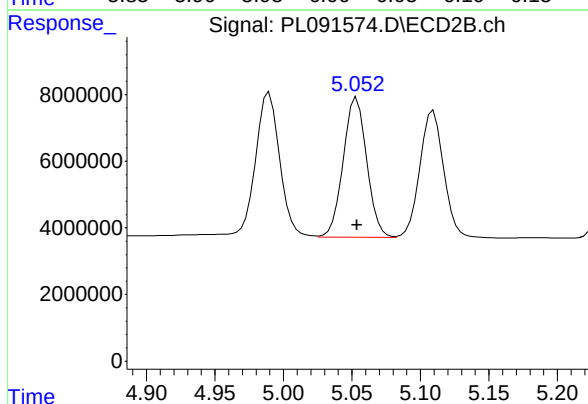
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 40240057
Conc: 25.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

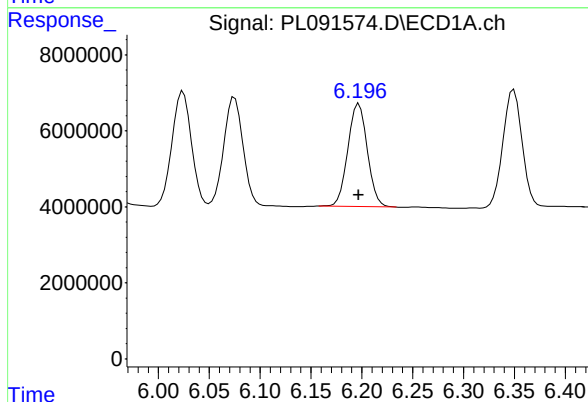
Manual Integrations
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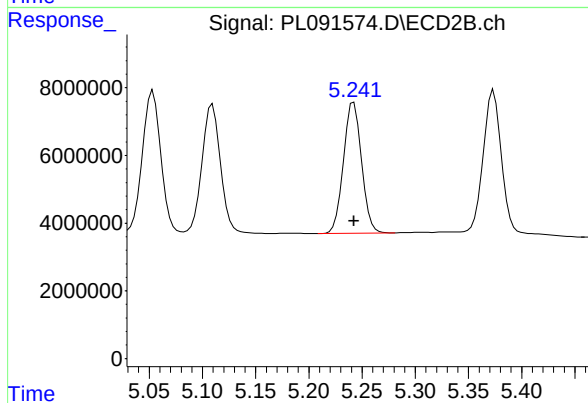
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 50217956
Conc: 24.26 ng/ml



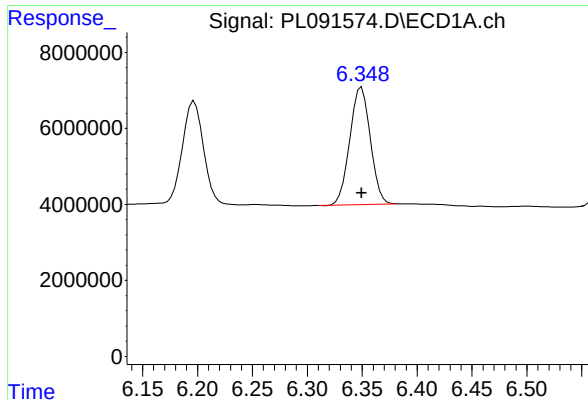
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 36033055
Conc: 24.99 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 45504345
Conc: 23.68 ng/ml



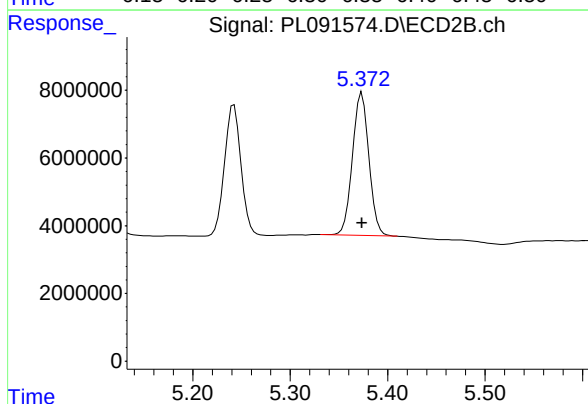
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 40291241
Conc: 25.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

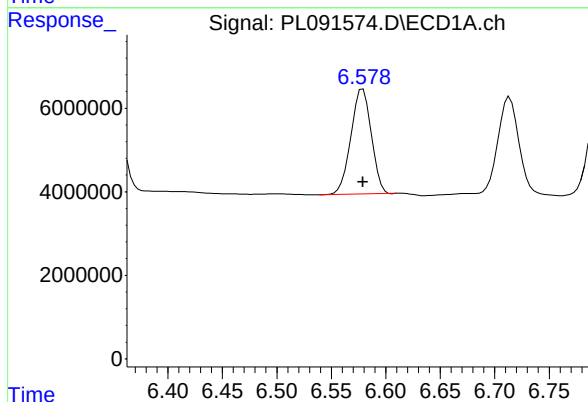
Manual Integrations
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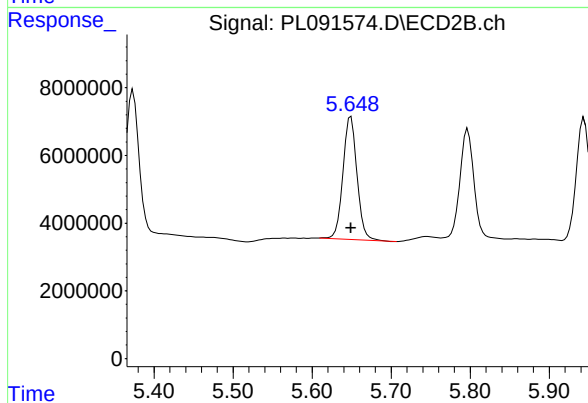
#13 Dieldrin

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 49413665
Conc: 23.91 ng/ml



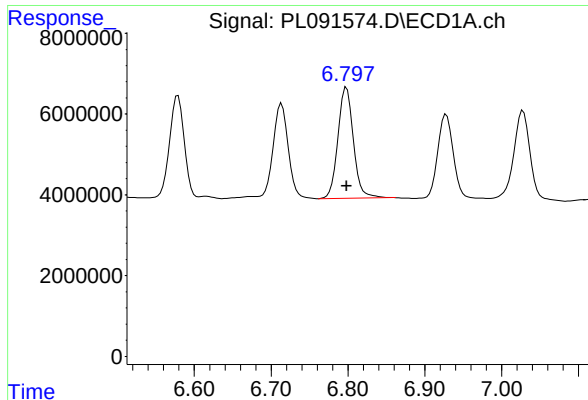
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 32800448
Conc: 25.14 ng/ml



#14 Endrin

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 44726926
Conc: 24.42 ng/ml



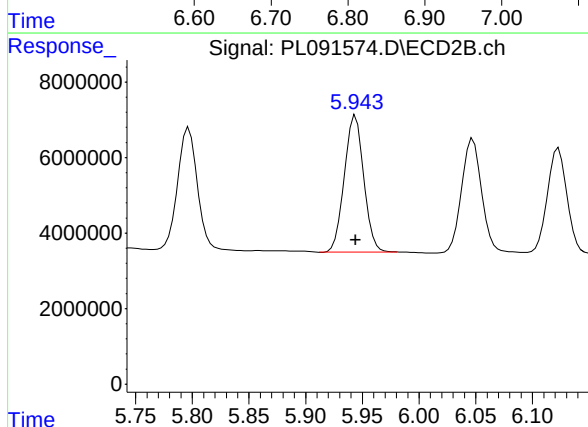
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 37884948
Conc: 26.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

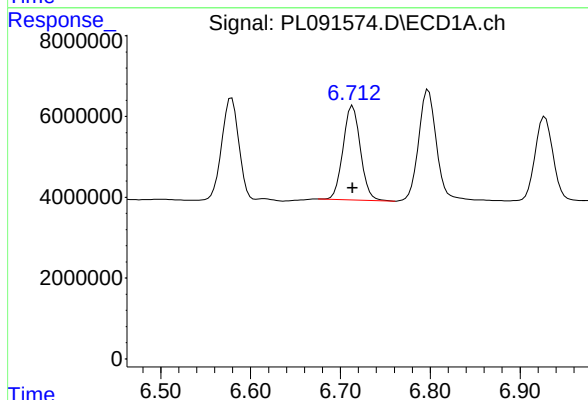
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



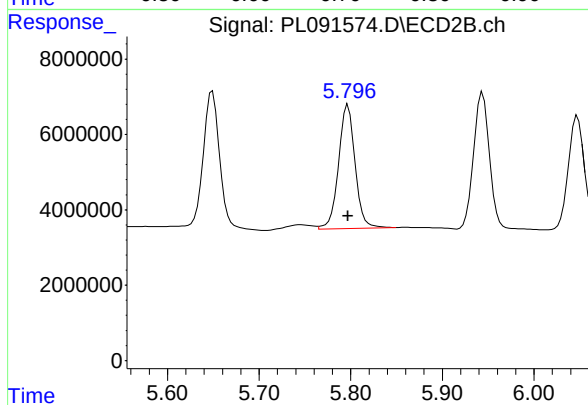
#15 Endosulfan II

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 43021147
Conc: 24.25 ng/ml



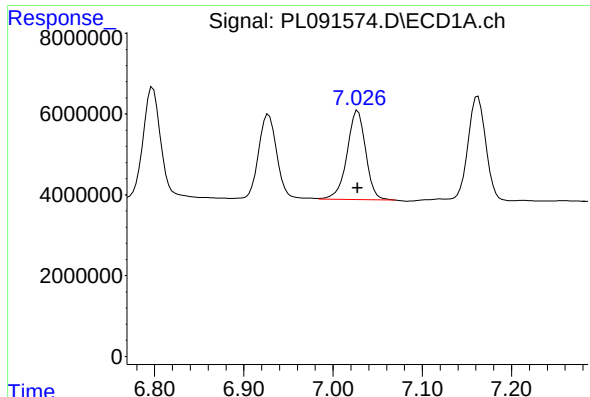
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 31265818
Conc: 25.24 ng/ml



#16 4,4'-DDD

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 41368041
Conc: 24.92 ng/ml



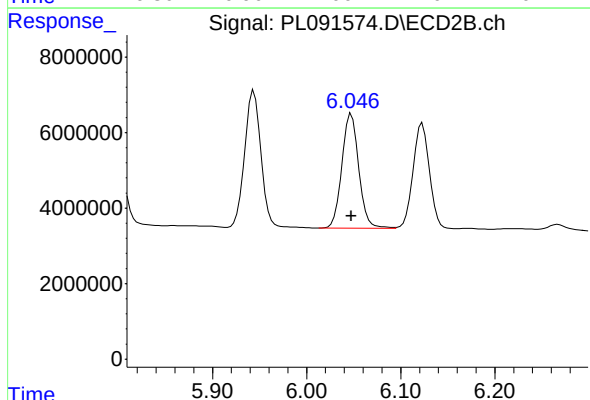
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 32112615
Conc: 25.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

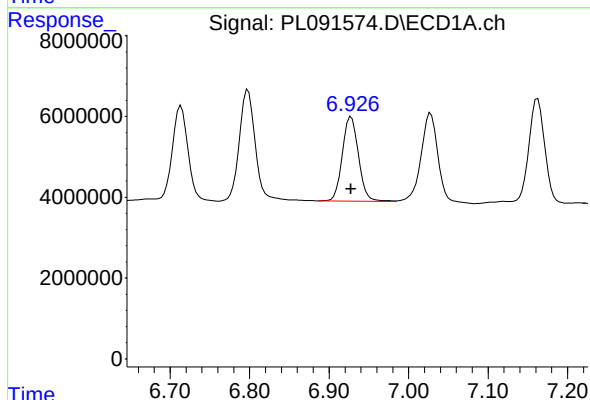
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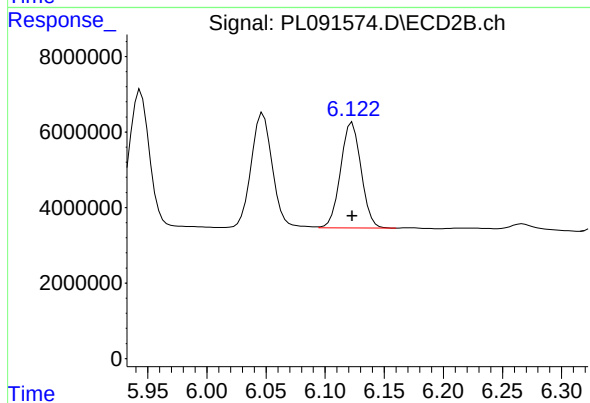
#17 4,4'-DDT

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 37889474
Conc: 23.78 ng/ml



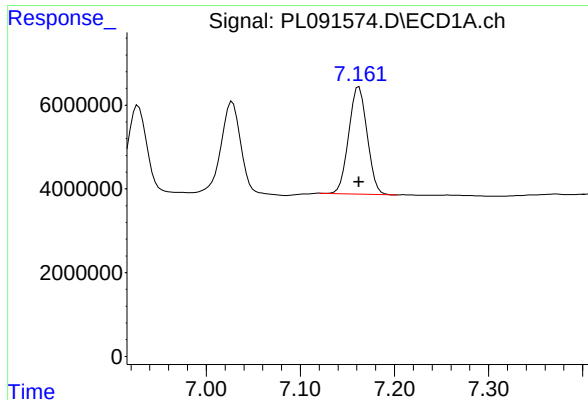
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 29584661
Conc: 26.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 33689787
Conc: 24.74 ng/ml



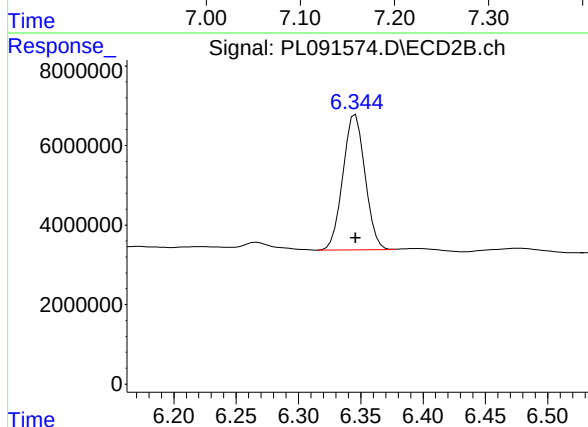
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 34977060
Conc: 26.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

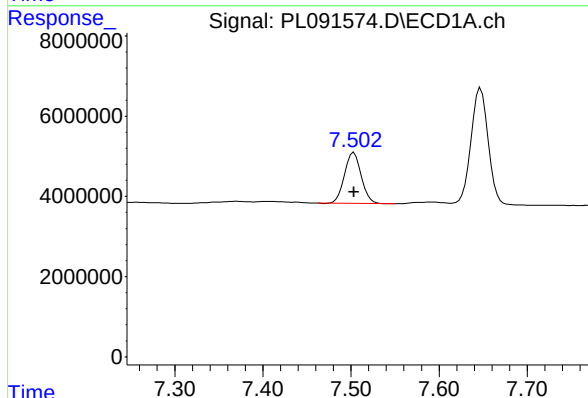
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



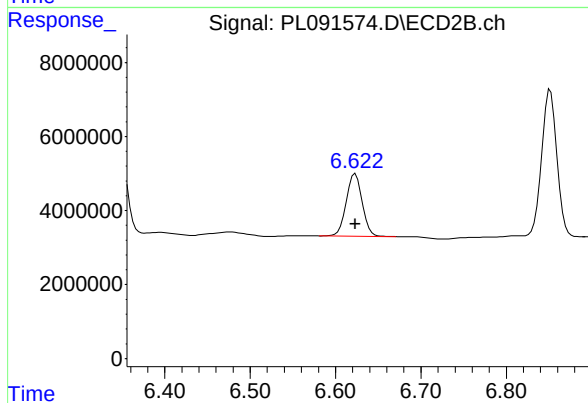
#19 Endosulfan Sulfate

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 41929421
Conc: 24.55 ng/ml



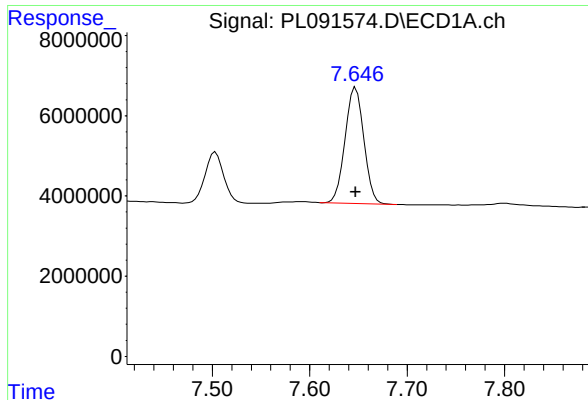
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 16748564
Conc: 25.38 ng/ml



#20 Methoxychlor

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 21956443
Conc: 25.19 ng/ml



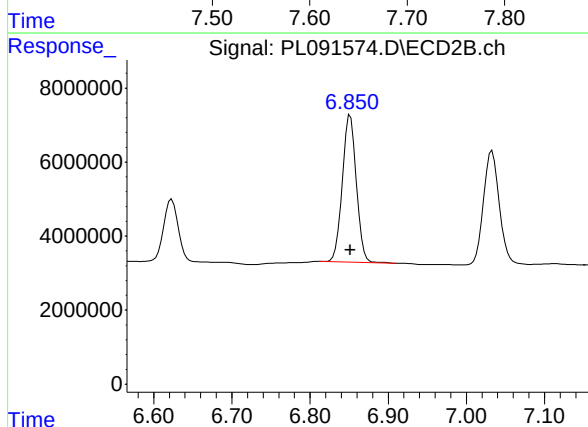
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 38720354
Conc: 25.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

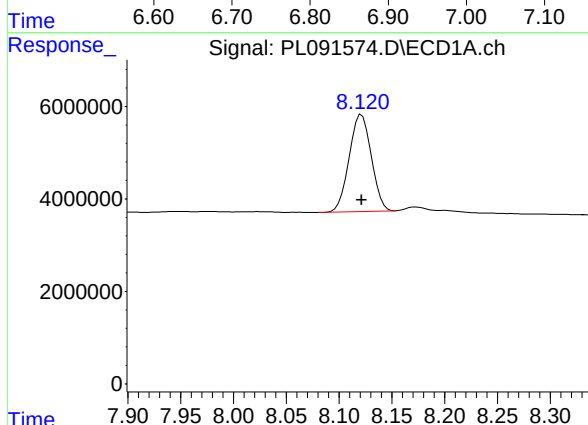
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



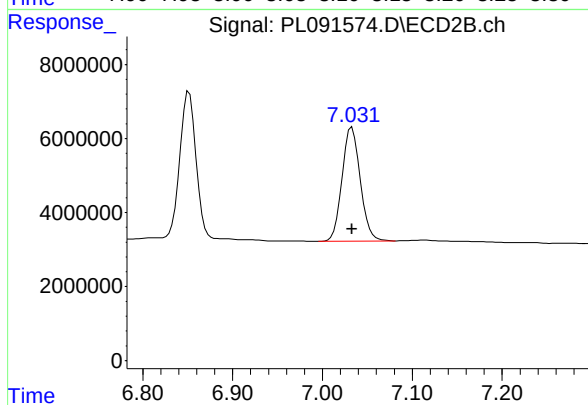
#21 Endrin ketone

R.T.: 6.852 min
Delta R.T.: 0.000 min
Response: 49510310
Conc: 24.56 ng/ml



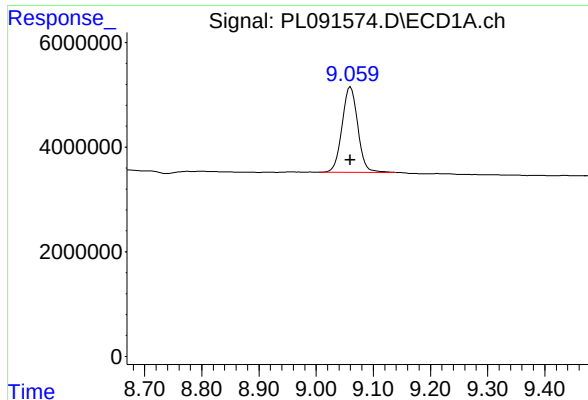
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 30592366
Conc: 26.39 ng/ml



#22 Mirex

R.T.: 7.033 min
Delta R.T.: 0.000 min
Response: 43256877
Conc: 26.39 ng/ml



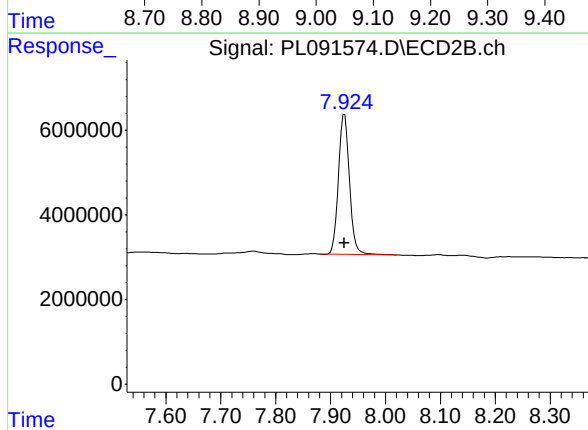
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 31298985
Conc: 26.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 46252542
Conc: 25.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
 Data File : PL091575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:25
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

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Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 16:37:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 16:37:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	8711402	9170751	5.594m	4.862m
28) SA Decachlor...	9.058	7.925	6806095	10274238	5.600m	5.564
Target Compounds						
2) A alpha-BHC	3.999	3.286	11204149	12327161	5.187	4.635
3) MA gamma-BHC...	4.332	3.617	10671682	11561139	5.191	4.701
4) MA Heptachlor	4.919	3.956	9920128	11809434	5.292m	4.904
5) MB Aldrin	5.262	4.236	10872221	11119579	5.837	4.874
6) B beta-BHC	4.529	3.915	5153482	6185409	5.663	5.742
7) B delta-BHC	4.776	4.145	10842232	10672309	5.644	4.639
8) B Heptachlo...	5.688	4.738	9588043	11322578	5.746	5.436m
9) A Endosulfan I	6.074	5.109	8657085	10238410	5.556	5.307
10) B gamma-Chl...	5.944	4.988	9247277	11631805	5.535	5.283m
11) B alpha-Chl...	6.024	5.053	8260083	10329030	5.125	4.992
12) B 4,4'-DDE	6.196	5.242	7631064	8987139	5.232	4.738
13) MA Dieldrin	6.349	5.373	8624281	10047522	5.285	4.888
14) MA Endrin	6.578	5.649	7151068	10552890	5.378	5.592
15) B Endosulfa...	6.798	5.942	9674211	8745708	6.241	4.961m
16) A 4,4'-DDD	6.713	5.795	6916878	8689763	5.457	5.181m
17) MA 4,4'-DDT	7.027	6.047	7372833	8304385	5.621	5.168
18) B Endrin al...	6.928	6.123	7044786	6945323	5.929	5.081
19) B Endosulfa...	7.161	6.346	8008492	8750838	5.730m	5.099
20) A Methoxychlor	7.503	6.623	3715314	4711027	5.492	5.319
21) B Endrin ke...	7.645	6.850	8238337	9960292	5.338m	4.965m
22) Mirex	8.121	7.034	6750279	11549831	5.637	6.513

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

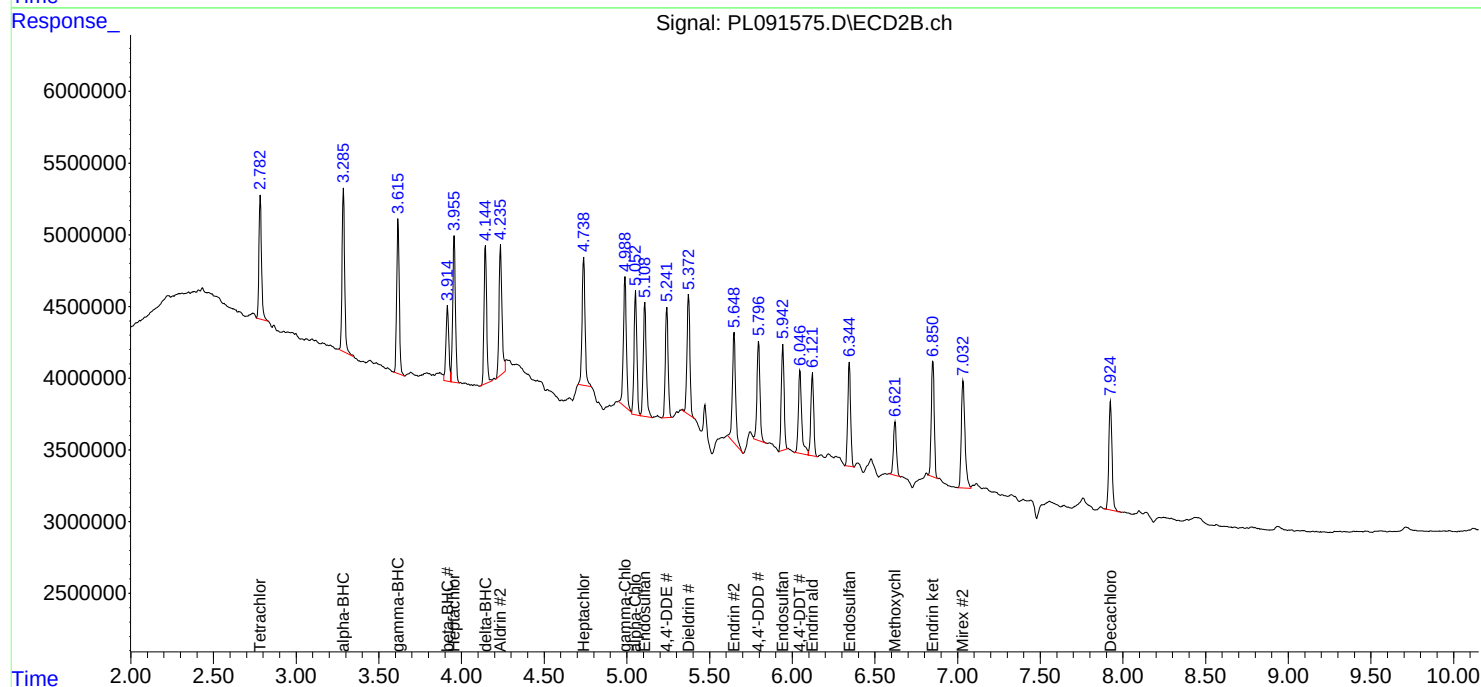
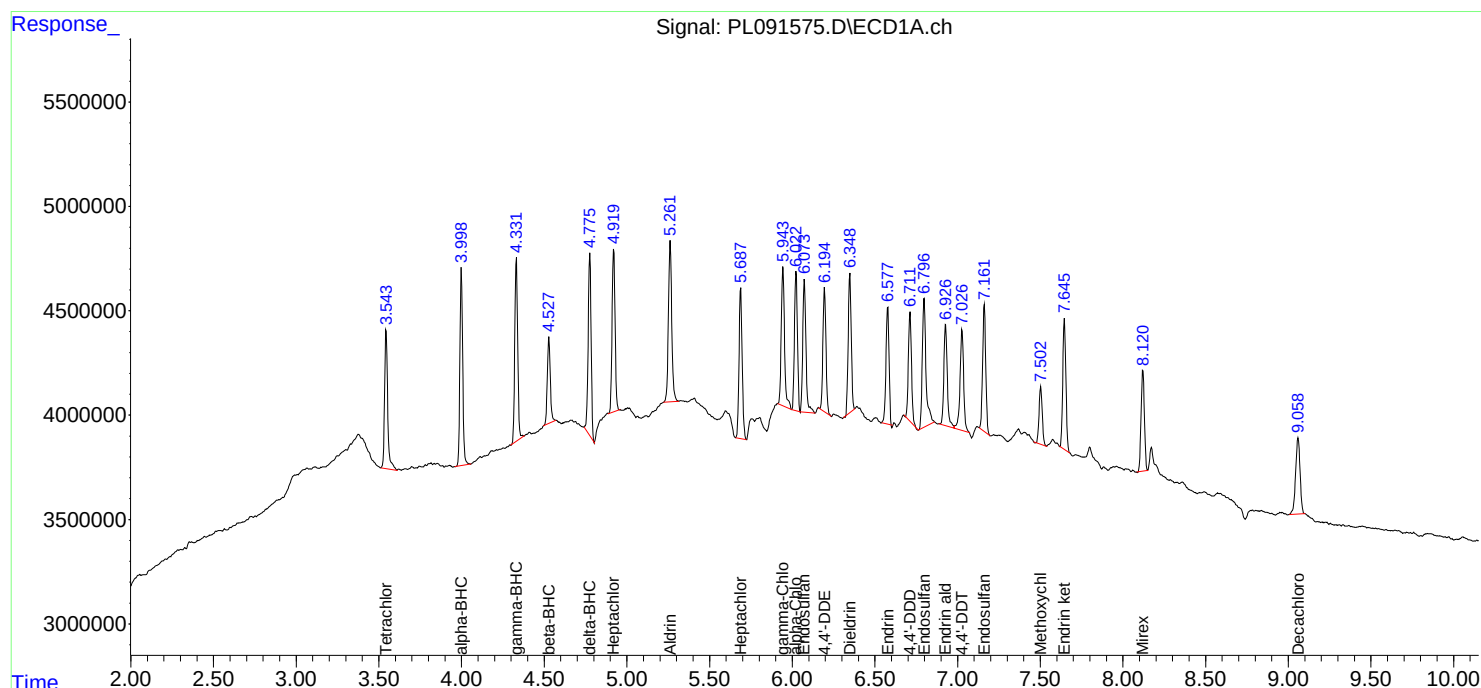
APPROVED

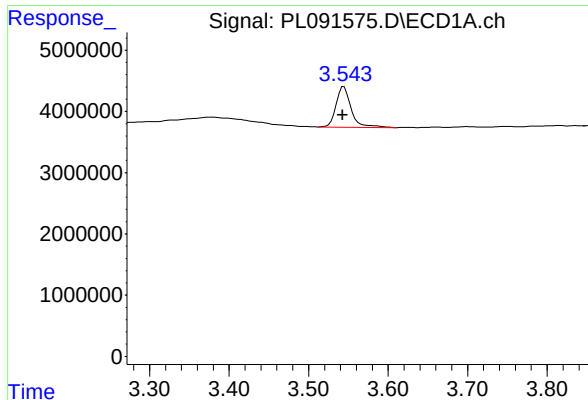
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 16:37:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:37:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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





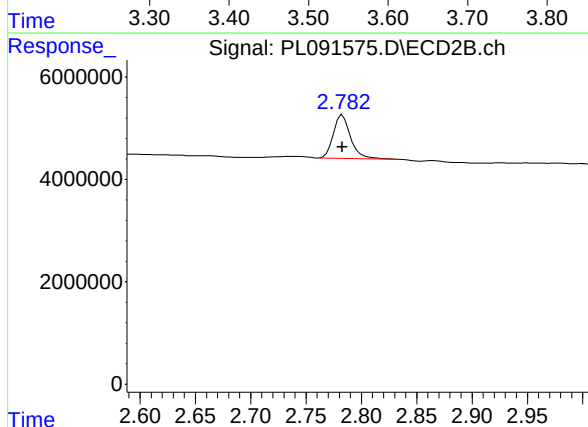
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 8711402
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

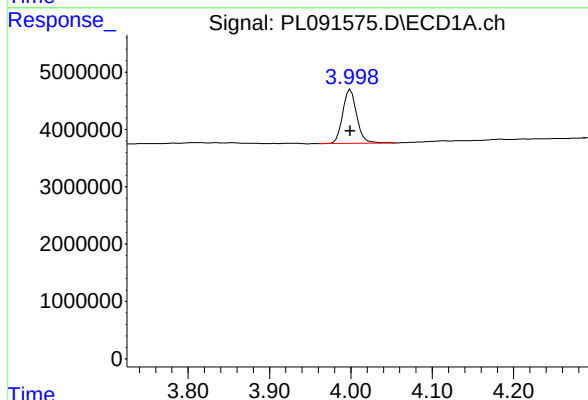
Manual Integrations
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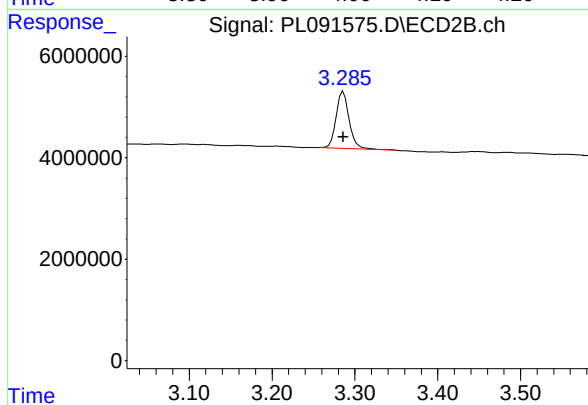
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: -0.001 min
Response: 9170751
Conc: 4.86 ng/ml



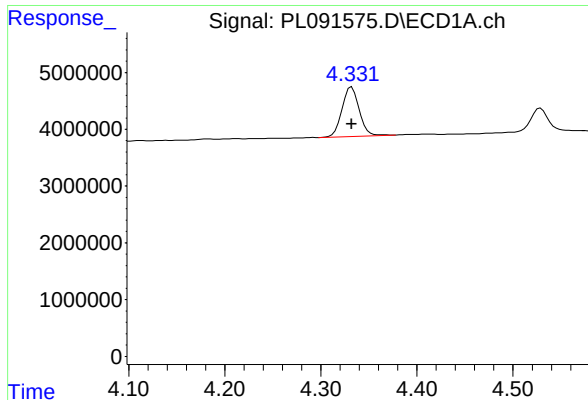
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 11204149
Conc: 5.19 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 12327161
Conc: 4.64 ng/ml



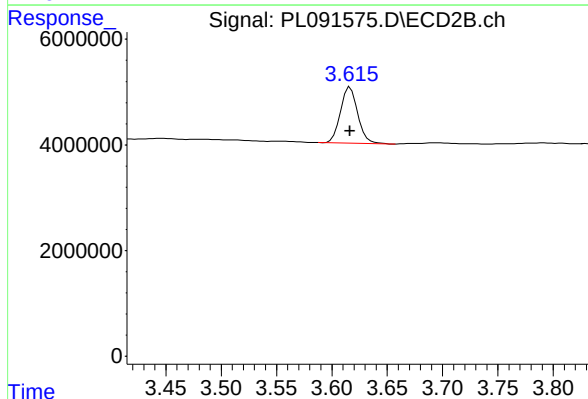
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 10671682
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

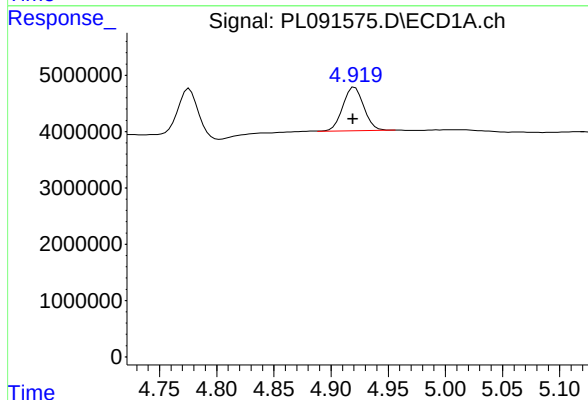
Manual Integrations
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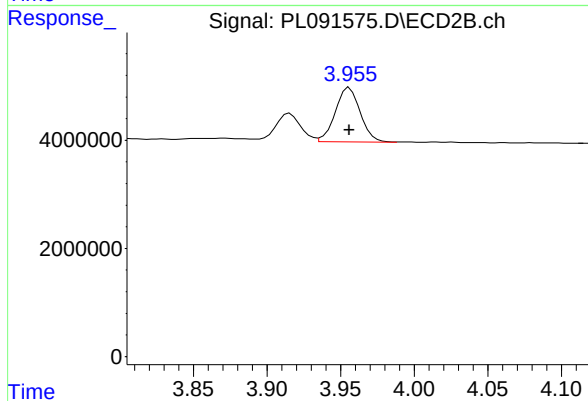
#3 gamma-BHC (Lindane)

R.T.: 3.617 min
Delta R.T.: 0.000 min
Response: 11561139
Conc: 4.70 ng/ml



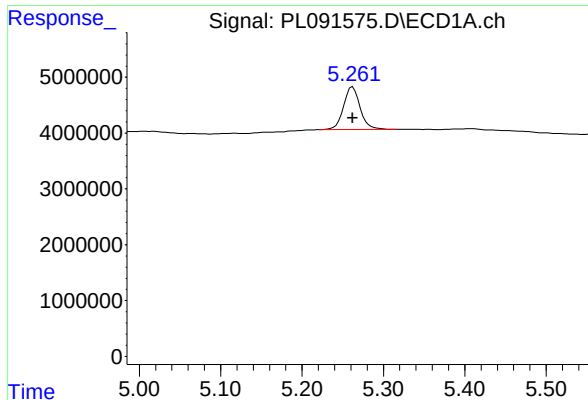
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 9920128
Conc: 5.29 ng/ml m



#4 Heptachlor

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 11809434
Conc: 4.90 ng/ml



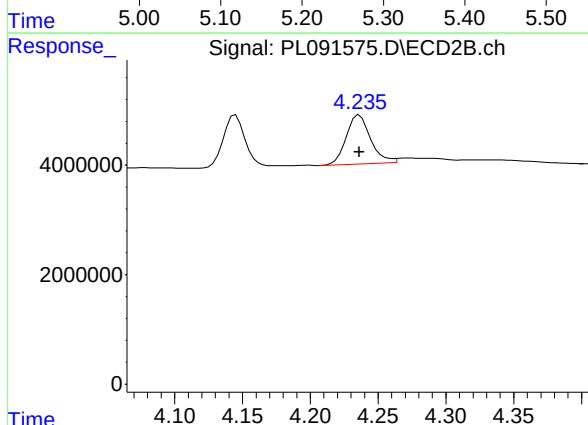
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 10872221
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

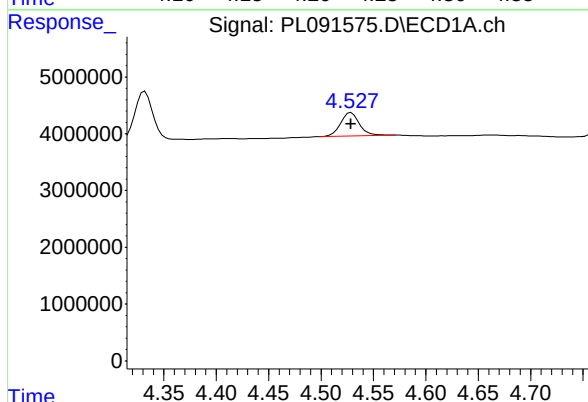
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



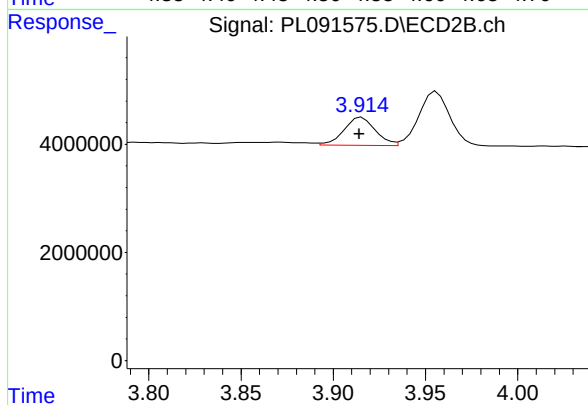
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 11119579
Conc: 4.87 ng/ml



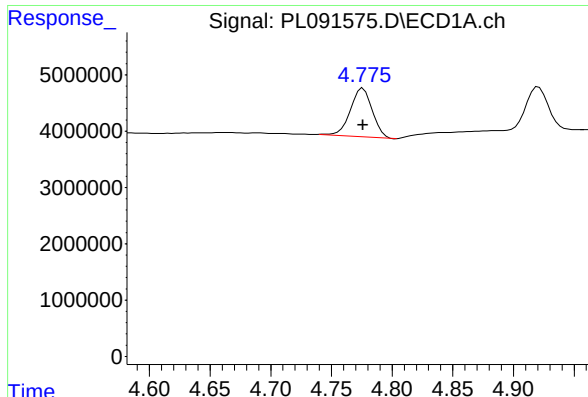
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 5153482
Conc: 5.66 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.001 min
Response: 6185409
Conc: 5.74 ng/ml



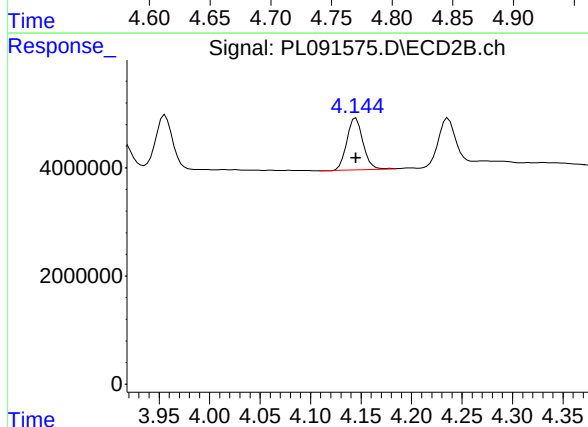
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 10842232
Conc: 5.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

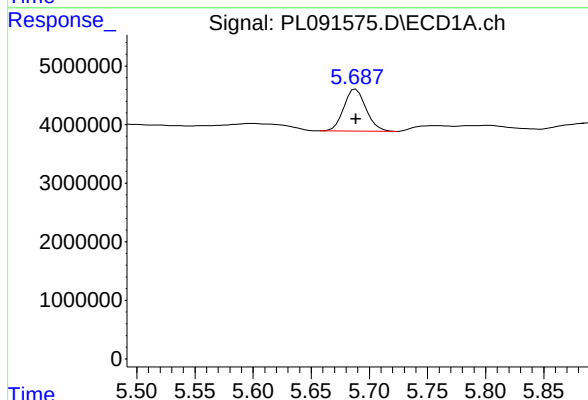
Manual Integrations
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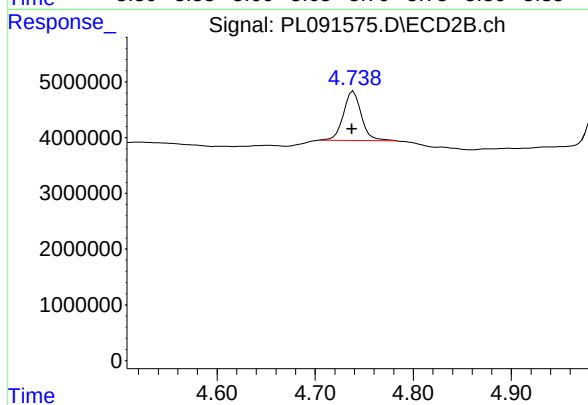
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 10672309
Conc: 4.64 ng/ml



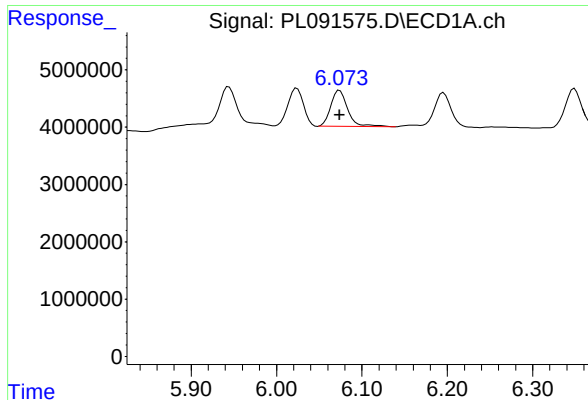
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 9588043
Conc: 5.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 11322578
Conc: 5.44 ng/ml m



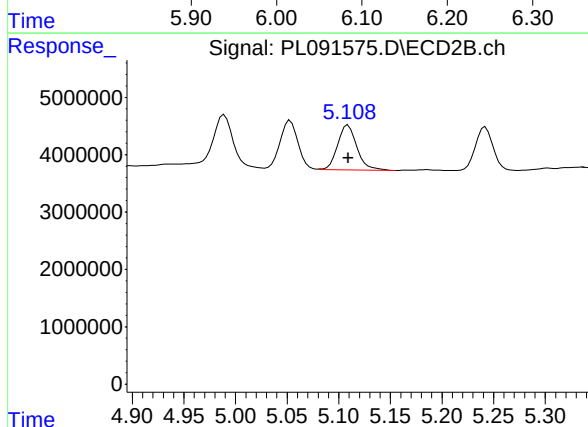
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 8657085
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

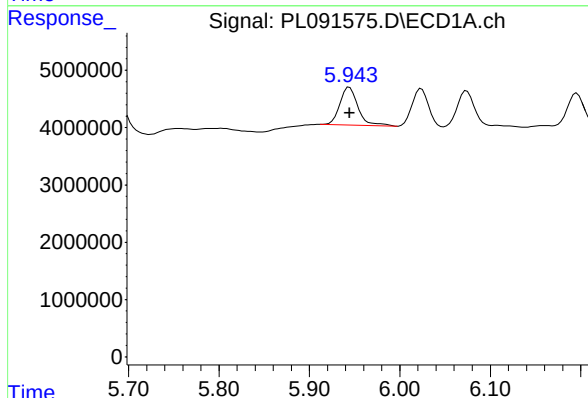
Manual Integrations
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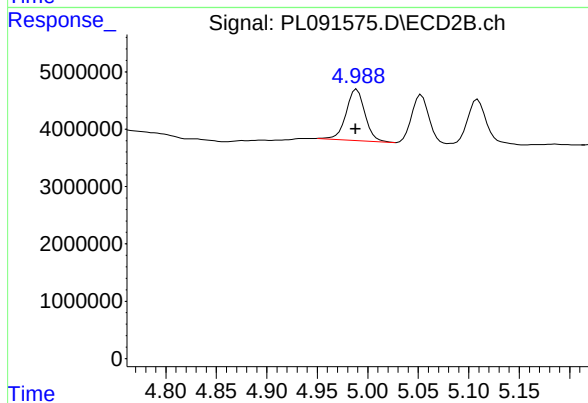
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 10238410
Conc: 5.31 ng/ml



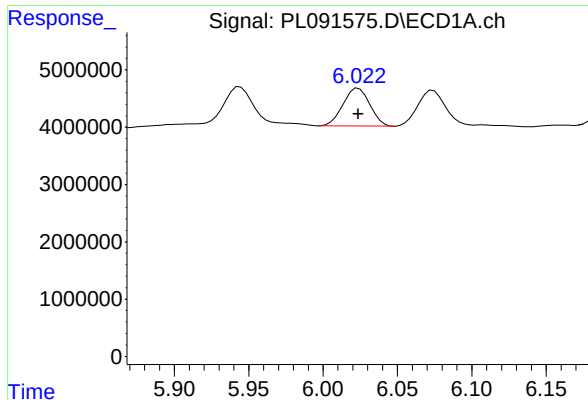
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 9247277
Conc: 5.53 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 11631805
Conc: 5.28 ng/ml m



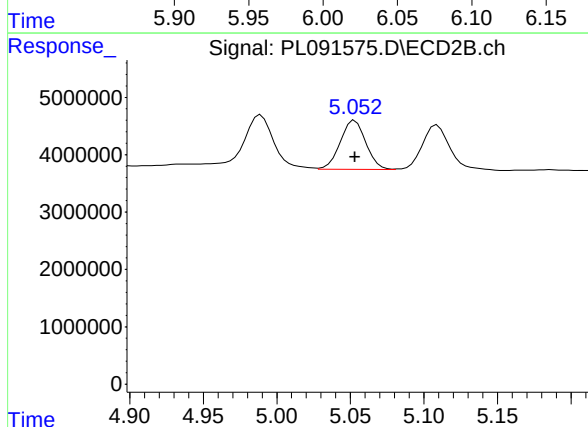
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 8260083
Conc: 5.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

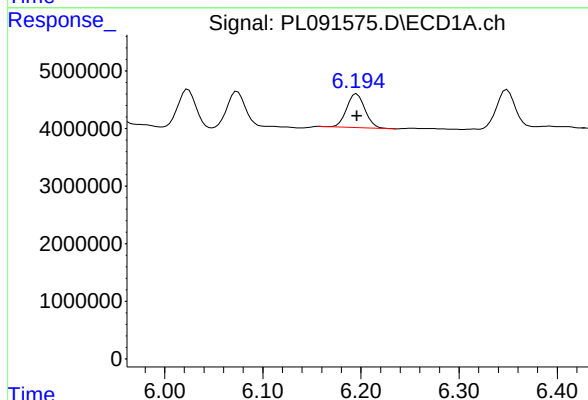
Manual Integrations
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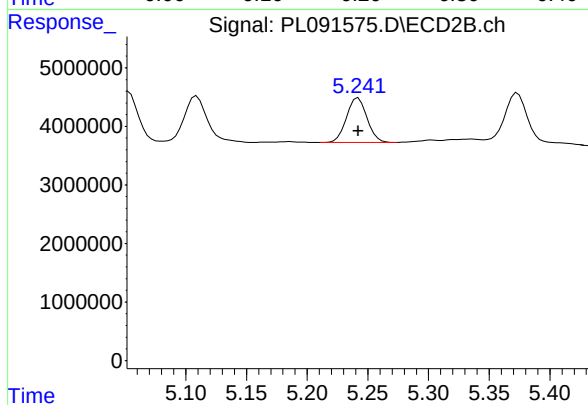
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 10329030
Conc: 4.99 ng/ml



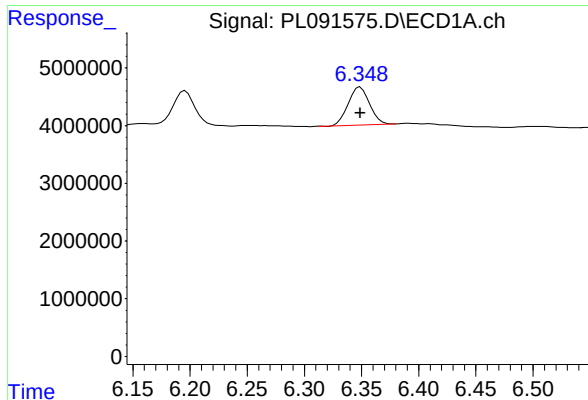
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 7631064
Conc: 5.23 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 8987139
Conc: 4.74 ng/ml



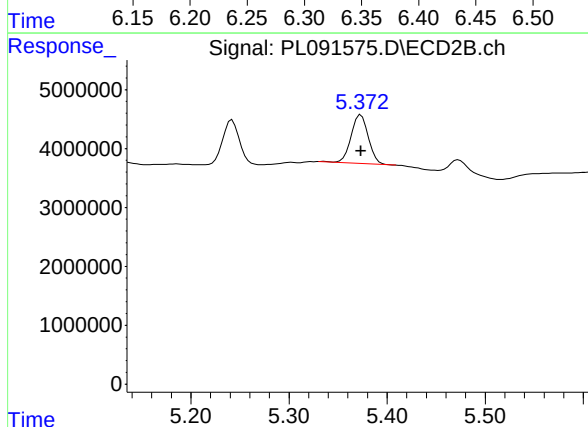
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 8624281
Conc: 5.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

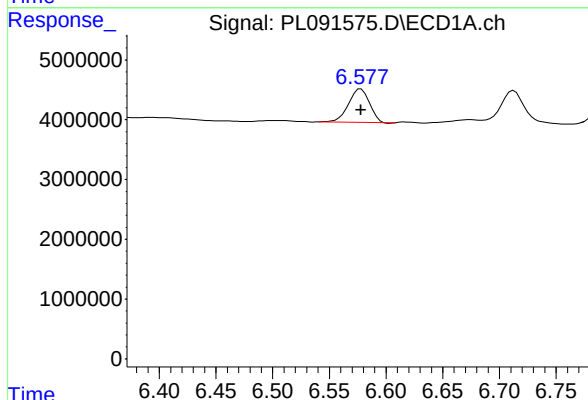
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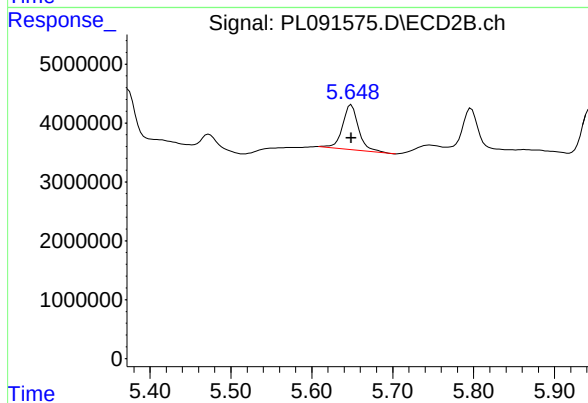
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 10047522
Conc: 4.89 ng/ml



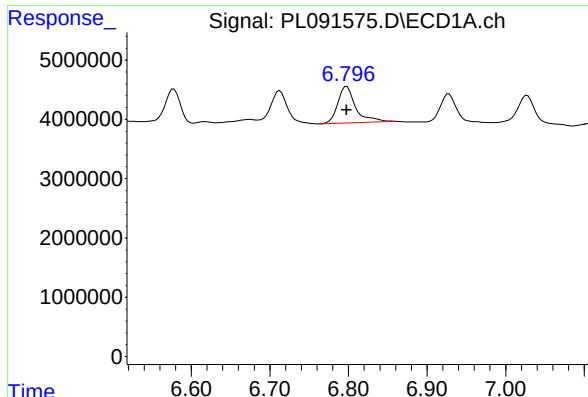
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 7151068
Conc: 5.38 ng/ml



#14 Endrin

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 10552890
Conc: 5.59 ng/ml



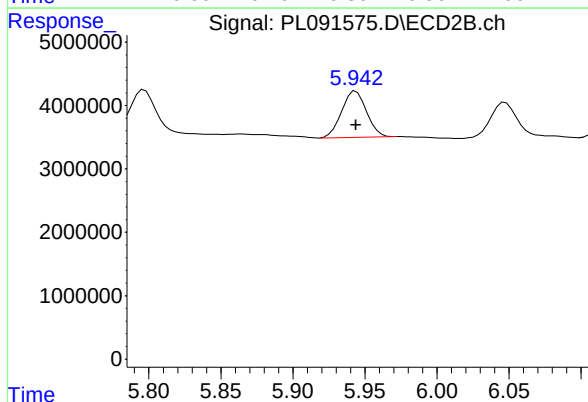
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 9674211
Conc: 6.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

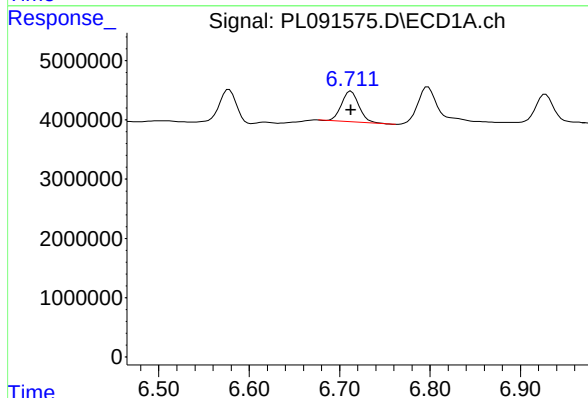
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Supervised By :Ankita Jodhani 09/11/2024



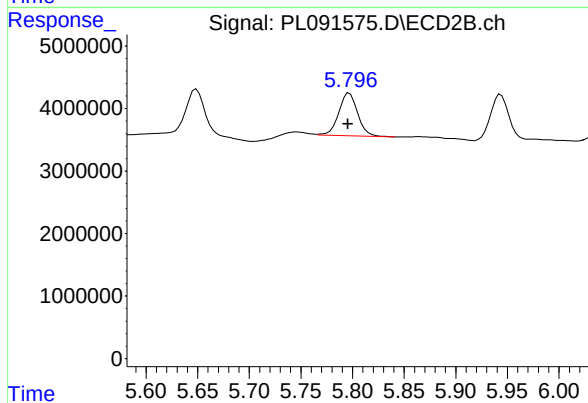
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: -0.001 min
Response: 8745708
Conc: 4.96 ng/ml m



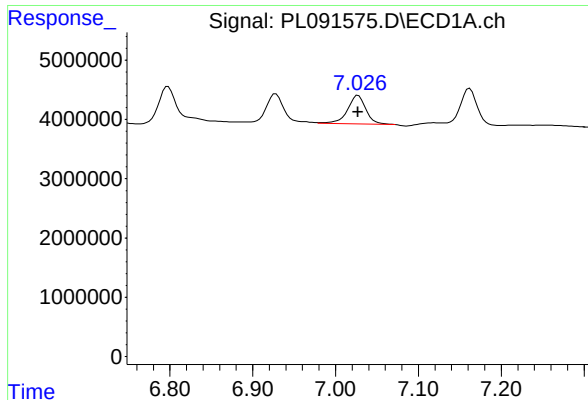
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 6916878
Conc: 5.46 ng/ml



#16 4,4'-DDD

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 8689763
Conc: 5.18 ng/ml m



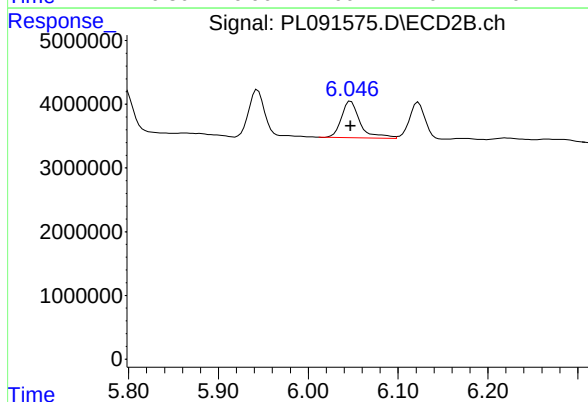
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 7372833
Conc: 5.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

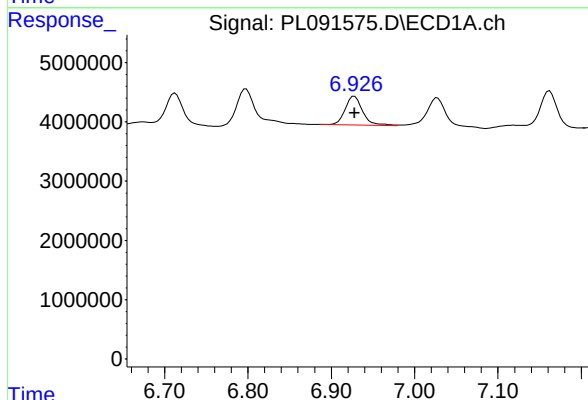
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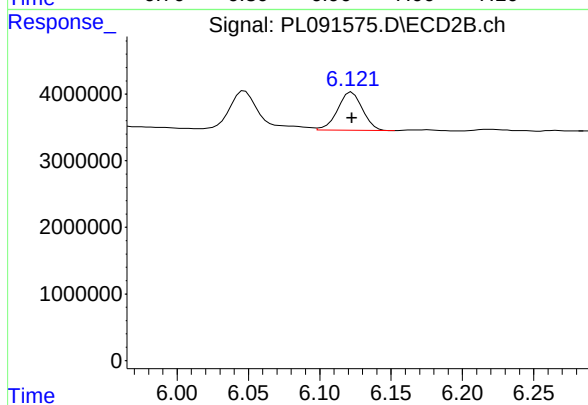
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 8304385
Conc: 5.17 ng/ml



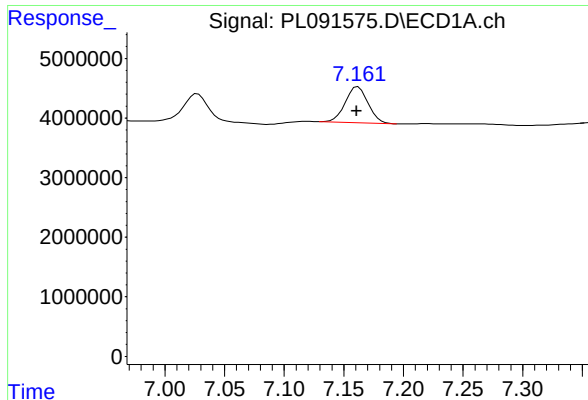
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 7044786
Conc: 5.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 6945323
Conc: 5.08 ng/ml



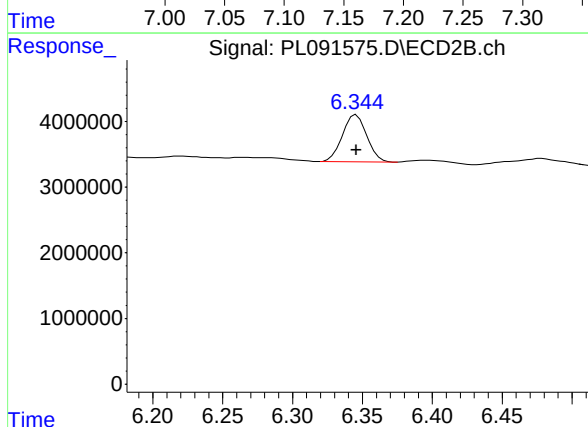
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 8008492
Conc: 5.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

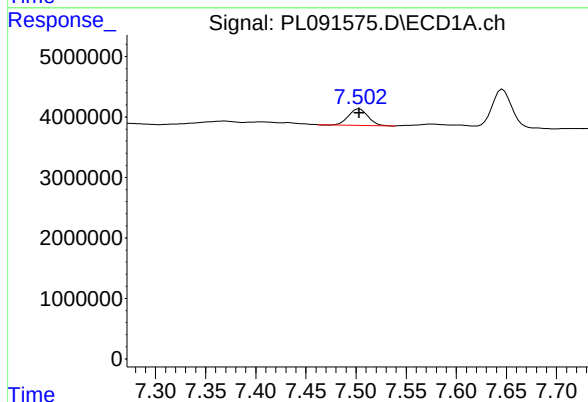
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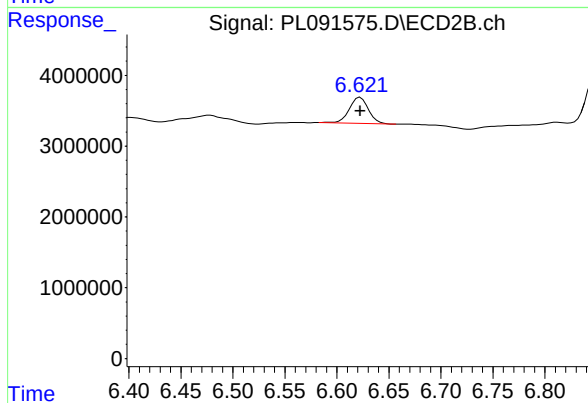
#19 Endosulfan Sulfate

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 8750838
Conc: 5.10 ng/ml



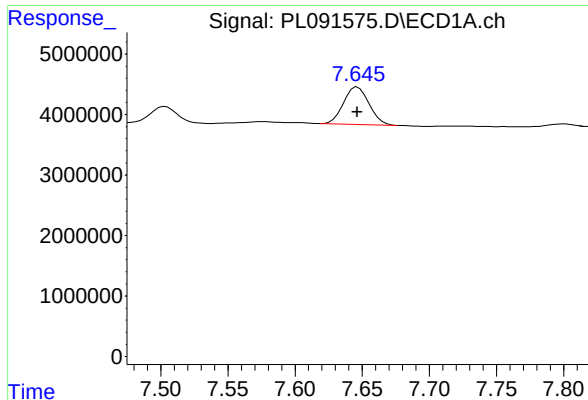
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 3715314
Conc: 5.49 ng/ml



#20 Methoxychlor

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 4711027
Conc: 5.32 ng/ml



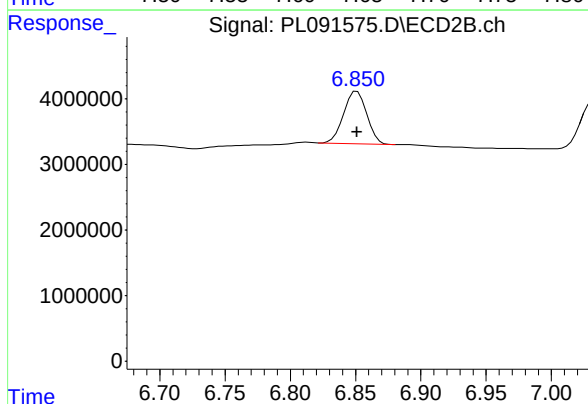
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: -0.001 min
Response: 8238337
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

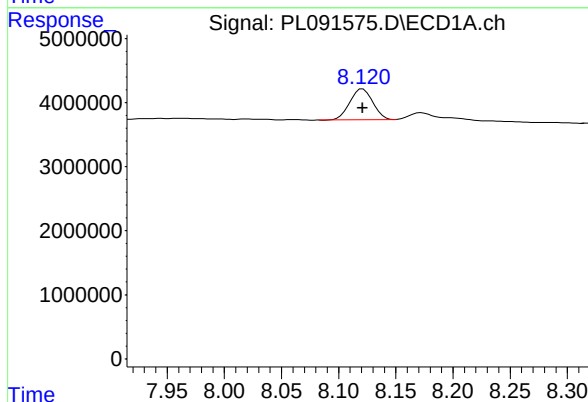
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



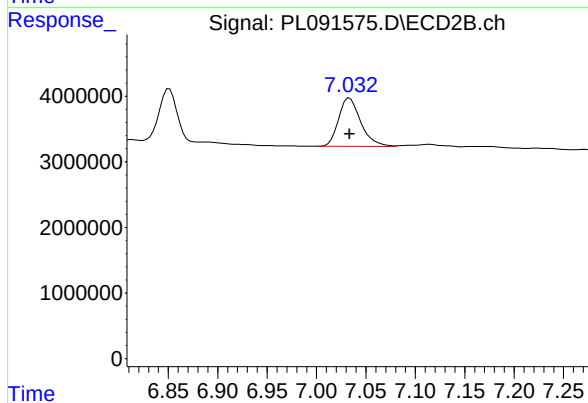
#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: -0.001 min
Response: 9960292
Conc: 4.97 ng/ml



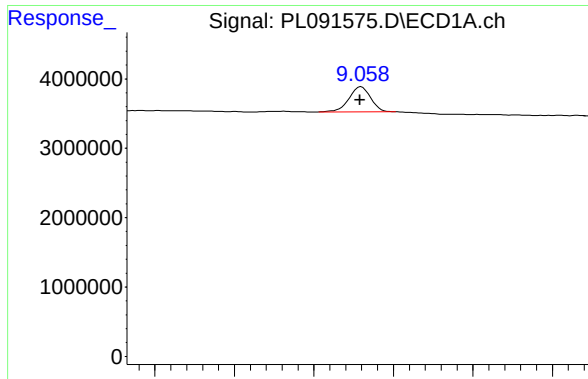
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 6750279
Conc: 5.64 ng/ml



#22 Mirex

R.T.: 7.034 min
Delta R.T.: 0.000 min
Response: 11549831
Conc: 6.51 ng/ml



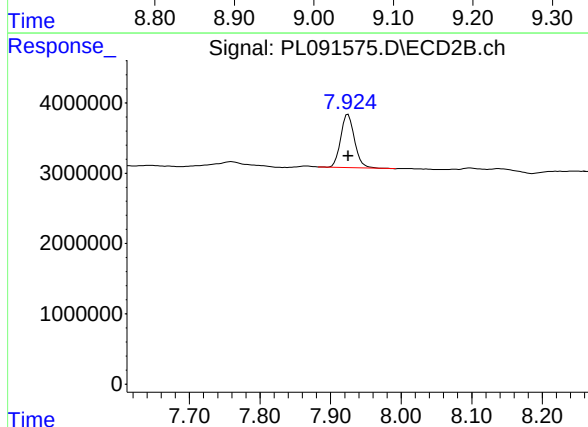
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 6806095
Conc: 5.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 10274238
Conc: 5.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:06
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: Sep 09 17:20:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:19:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	72968528	111.2E6	50.000	50.000
28) SA Decachlor...	9.060	7.925	58081135	91176732	50.000	50.000
Target Compounds						
23) Chlordane-1	4.706	3.782	30713014	33545288	500.000	500.000
24) Chlordane-2	5.236	4.360	36841024	36440792	500.000	500.000
25) Chlordane-3	5.945	4.990	122.5E6	111.5E6	500.000	500.000
26) Chlordane-4	6.027	5.053	146.6E6	104.3E6	500.000	500.000
27) Chlordane-5	6.876	5.948	28162351	35427383	500.000	500.000

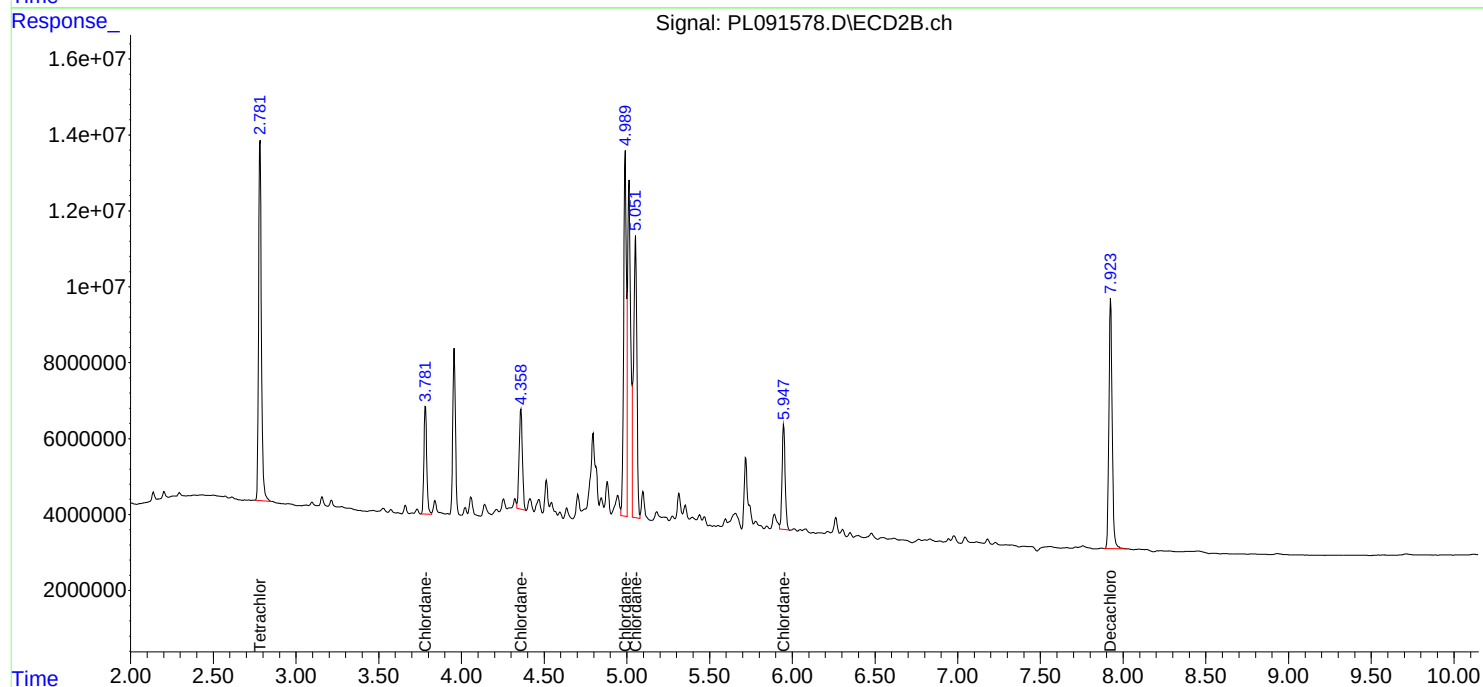
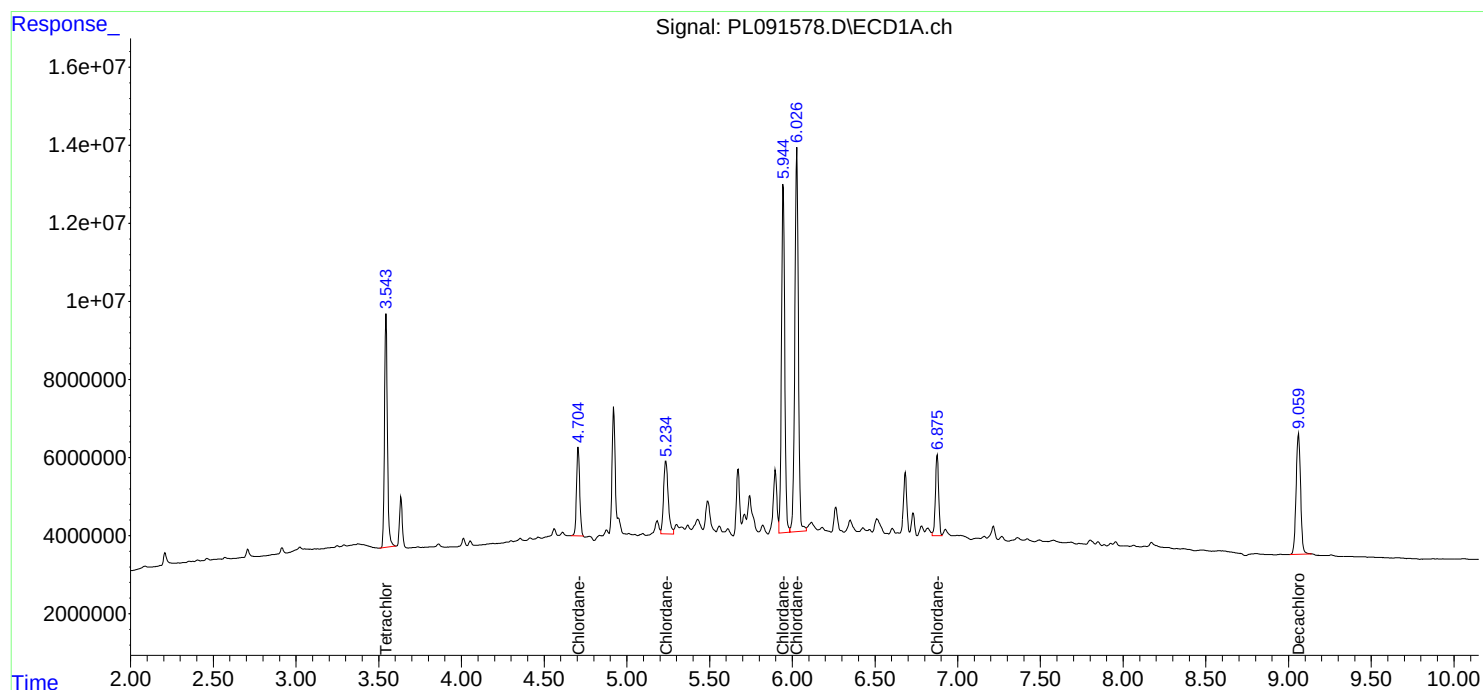
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

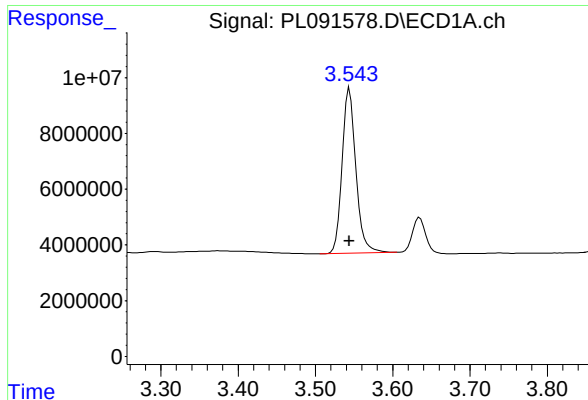
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:06
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 17:20:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:19:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

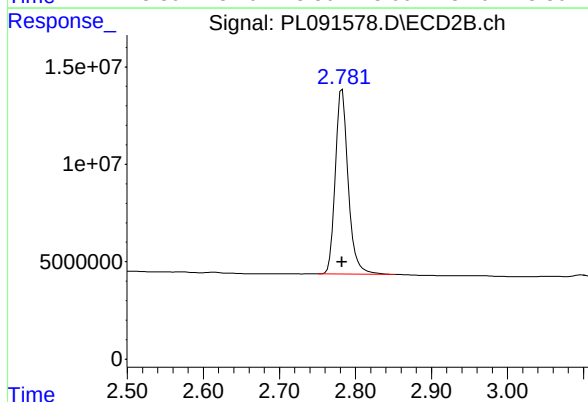




#1 Tetrachloro-m-xylene

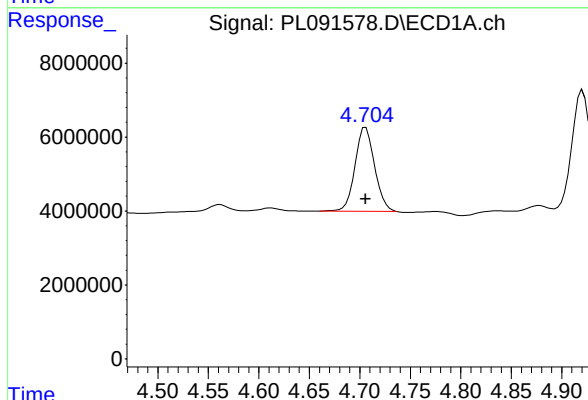
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 72968528
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



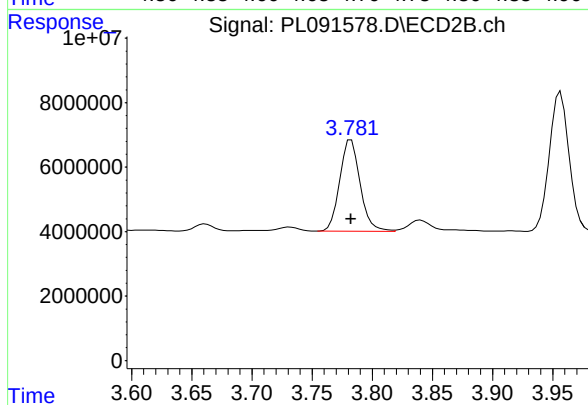
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 111183553
Conc: 50.00 ng/ml



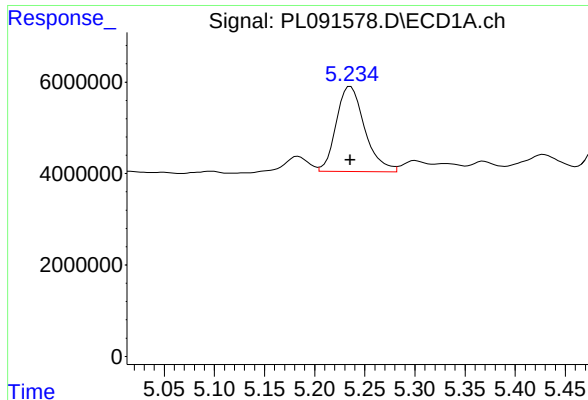
#23 Chlordane-1

R.T.: 4.706 min
Delta R.T.: 0.000 min
Response: 30713014
Conc: 500.00 ng/ml



#23 Chlordane-1

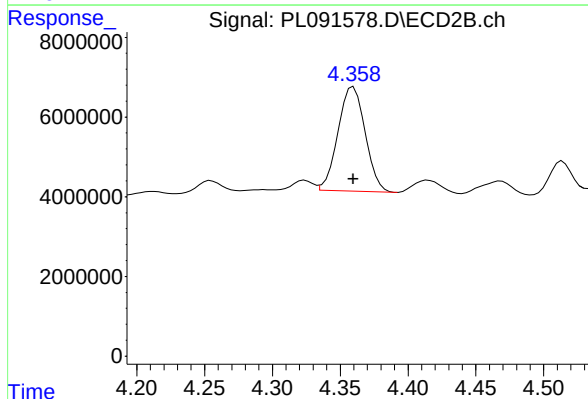
R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 33545288
Conc: 500.00 ng/ml



#24 Chlordane-2

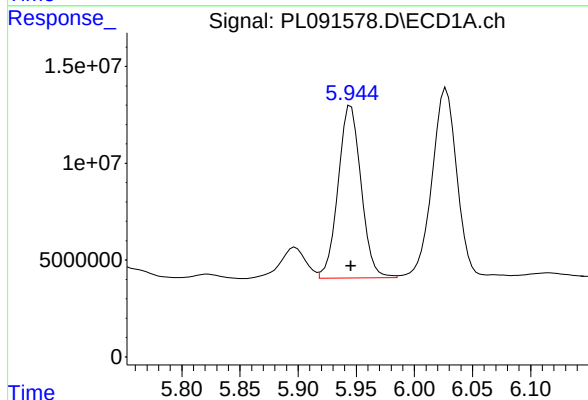
R.T.: 5.236 min
Delta R.T.: 0.000 min
Response: 36841024
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



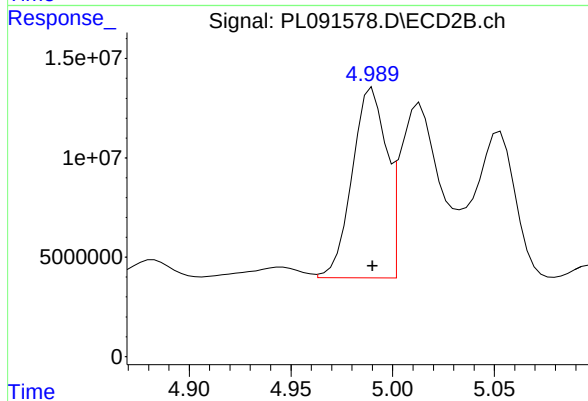
#24 Chlordane-2

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 36440792
Conc: 500.00 ng/ml



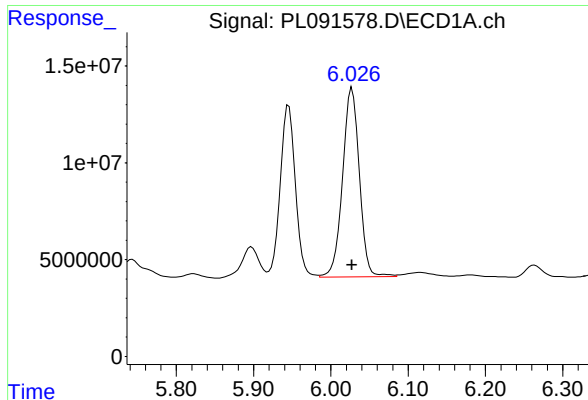
#25 Chlordane-3

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 122538160
Conc: 500.00 ng/ml



#25 Chlordane-3

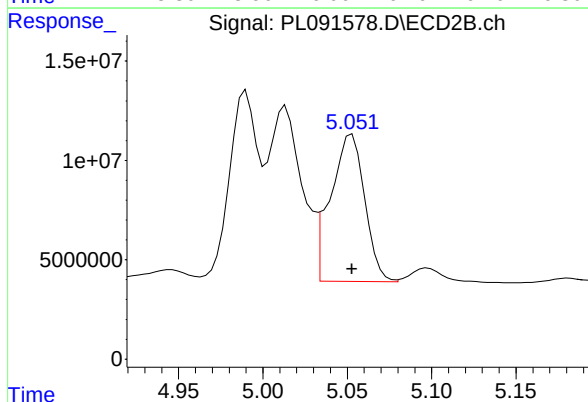
R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 111507436
Conc: 500.00 ng/ml



#26 Chlordane-4

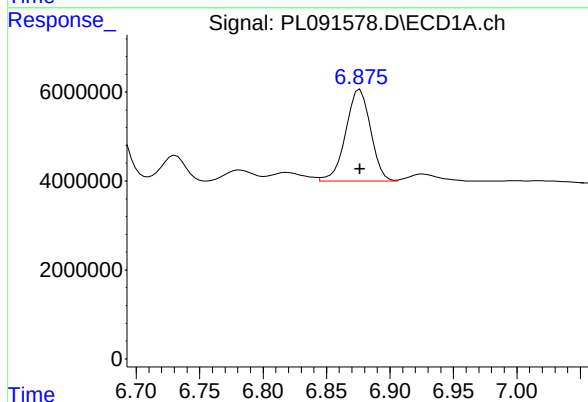
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 146612440
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



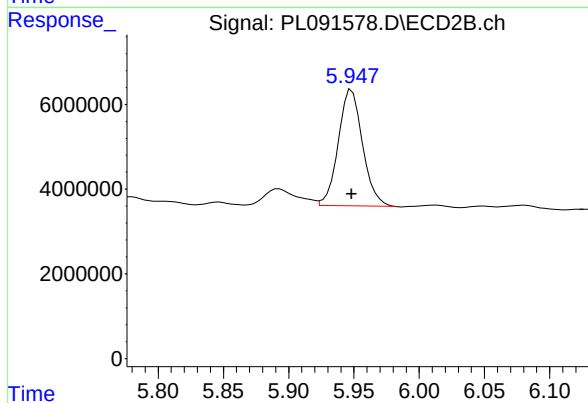
#26 Chlordane-4

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 104269708
Conc: 500.00 ng/ml



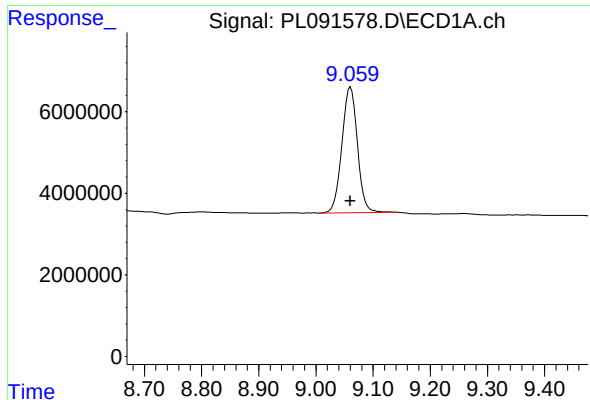
#27 Chlordane-5

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 28162351
Conc: 500.00 ng/ml



#27 Chlordane-5

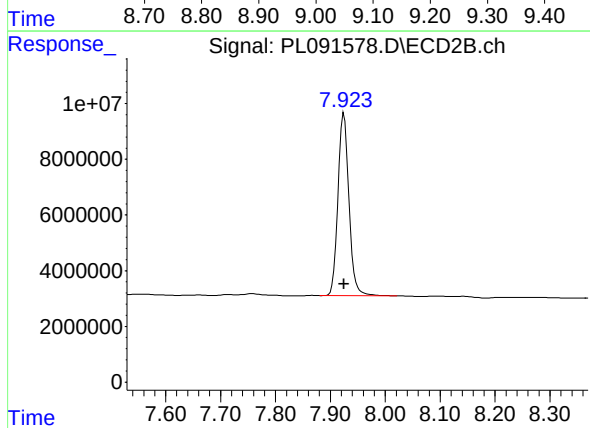
R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 35427383
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 58081135
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 91176732
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:14
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: Sep 11 12:44:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:44:41 2024
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...	3.542	2.782	79758513	100.0E6	50.000	50.000
7) SA Decachlor...	9.054	7.921	61336379	93467150	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.010	4804166	6231855	500.000	500.000
3) Toxaphene-2	6.442	5.336	4436300	5922548	500.000	500.000
4) Toxaphene-3	7.059	6.609	23018431	20907035	500.000	500.000
5) Toxaphene-4	7.150	6.738	18549810	27544576	500.000	500.000
6) Toxaphene-5	7.934	7.048	13831400	22388140	500.000	500.000

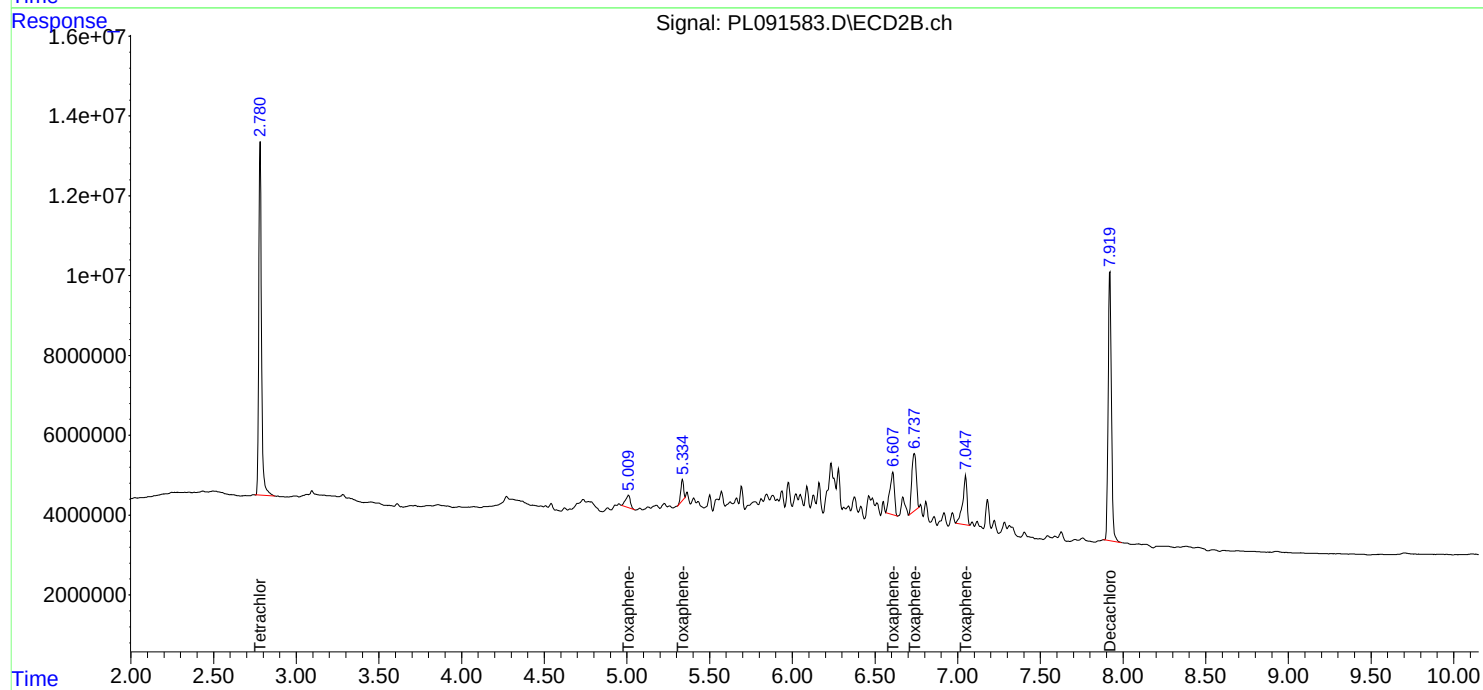
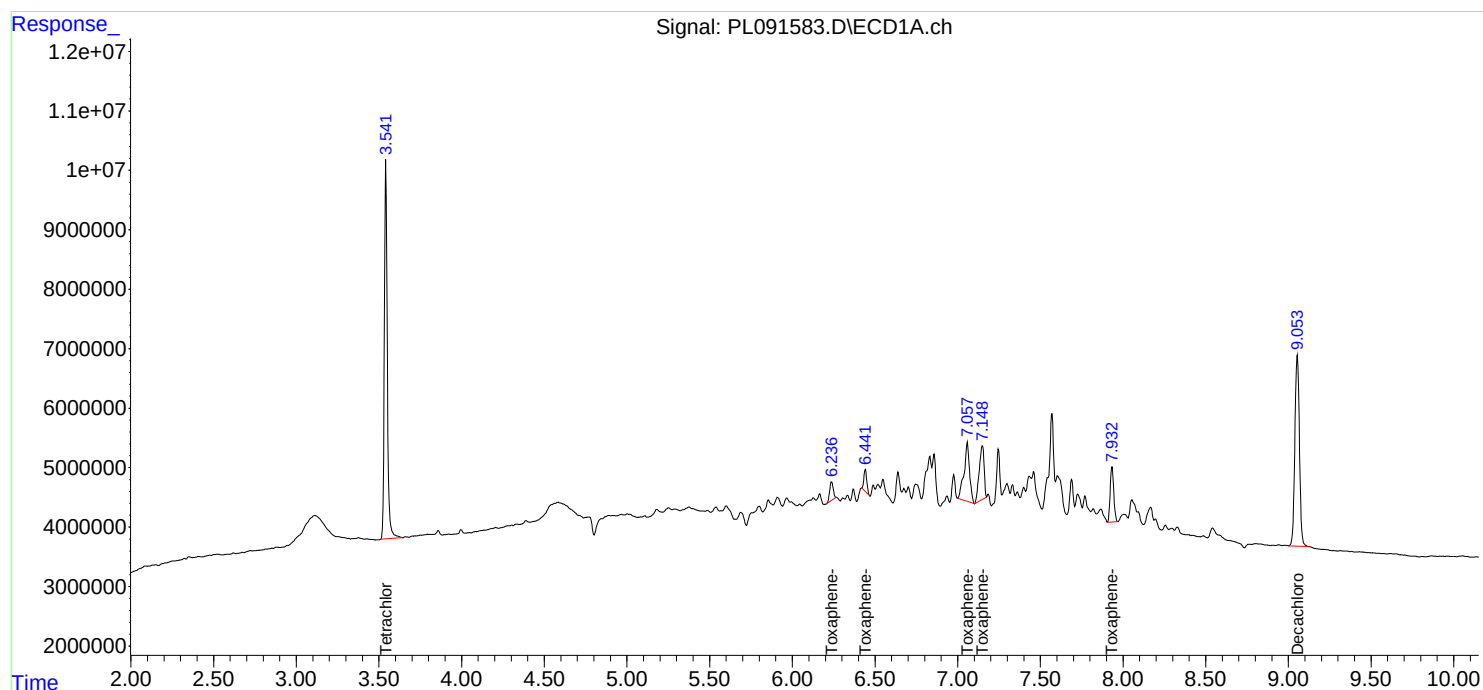
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

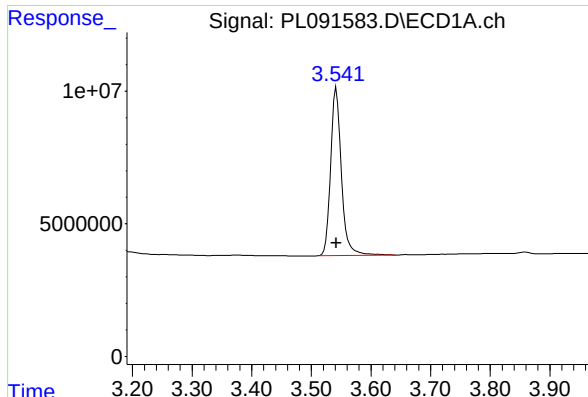
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:14
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:44:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:44:41 2024
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

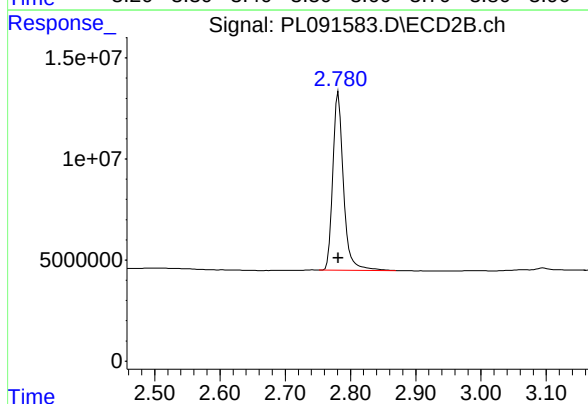




#1 Tetrachloro-m-xylene

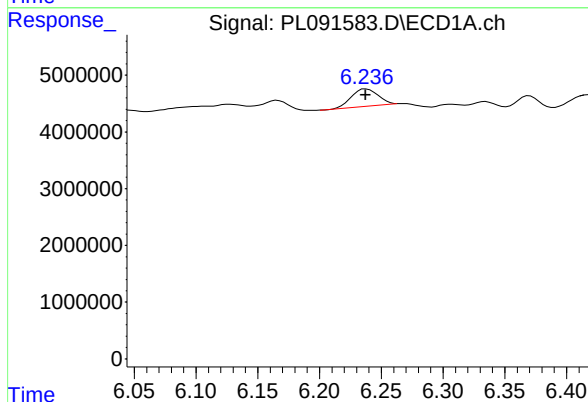
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 79758513
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



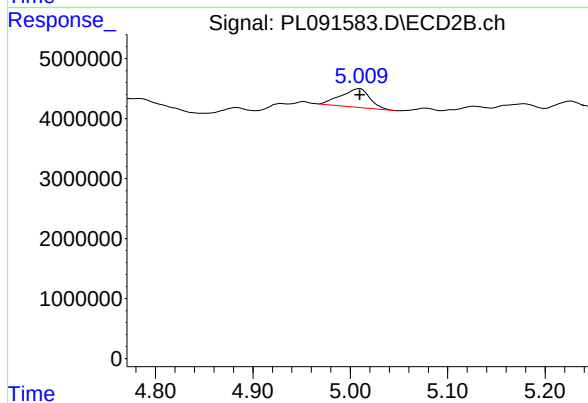
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 100037989
Conc: 50.00 ng/ml



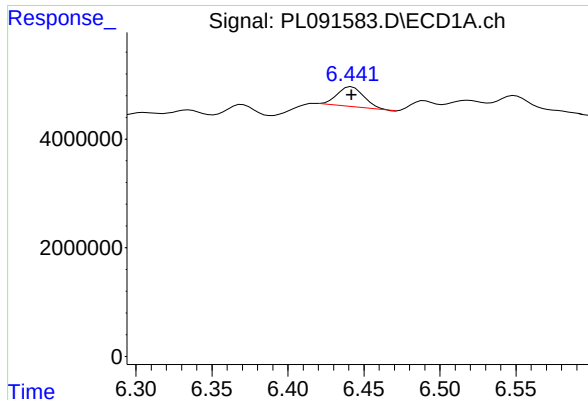
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 4804166
Conc: 500.00 ng/ml



#2 Toxaphene-1

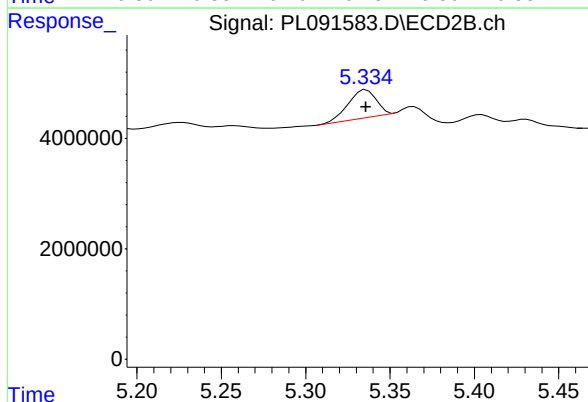
R.T.: 5.010 min
Delta R.T.: 0.000 min
Response: 6231855
Conc: 500.00 ng/ml



#3 Toxaphene-2

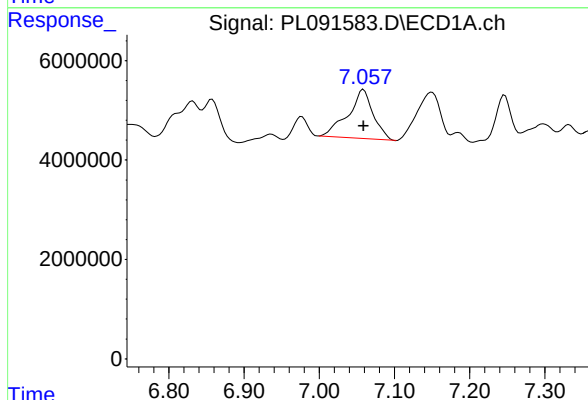
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 4436300
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



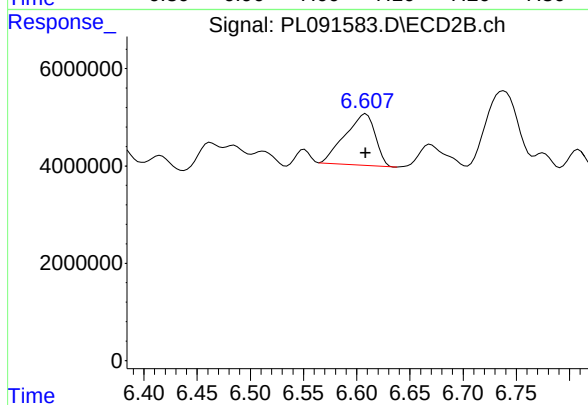
#3 Toxaphene-2

R.T.: 5.336 min
Delta R.T.: 0.000 min
Response: 5922548
Conc: 500.00 ng/ml



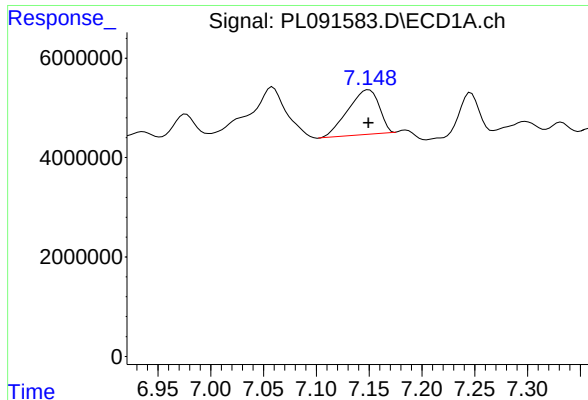
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 23018431
Conc: 500.00 ng/ml



#4 Toxaphene-3

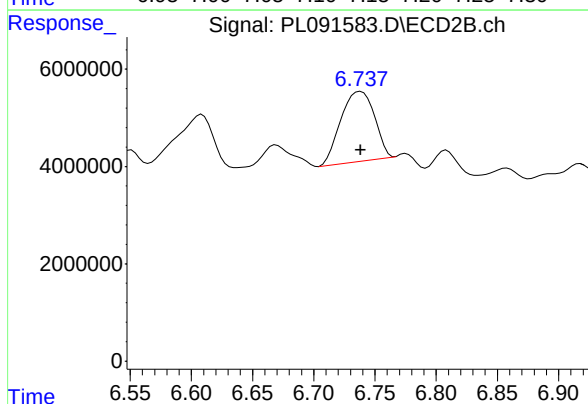
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 20907035
Conc: 500.00 ng/ml



#5 Toxaphene-4

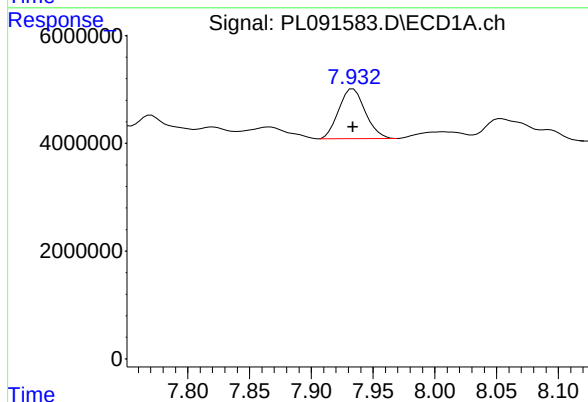
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 18549810
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



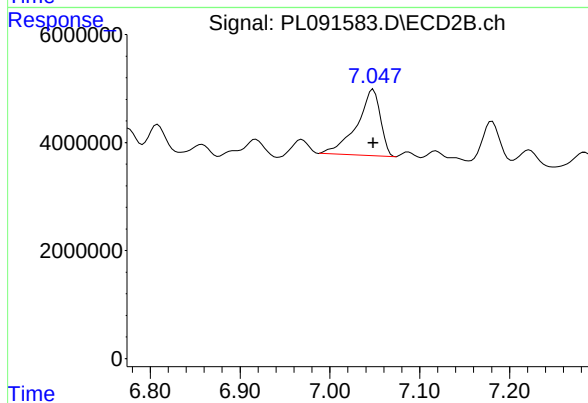
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 27544576
Conc: 500.00 ng/ml



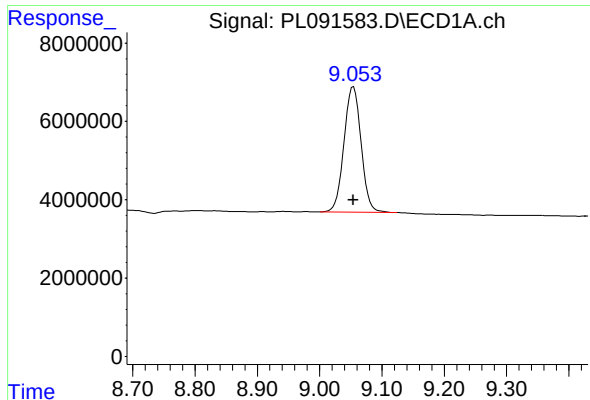
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 13831400
Conc: 500.00 ng/ml



#6 Toxaphene-5

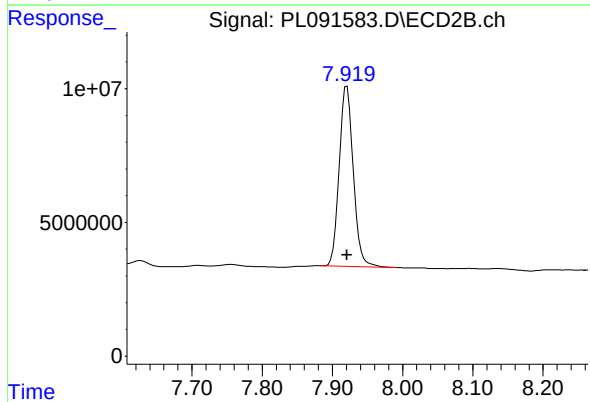
R.T.: 7.048 min
Delta R.T.: 0.000 min
Response: 22388140
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 61336379
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 93467150
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:56
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL090924

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 19:10:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	83915486	104.6E6	53.840	55.935
28) SA Decachlor...	9.055	7.921	63781159	97277745	52.481	52.681
Target Compounds						
2) A alpha-BHC	3.998	3.285	116.8E6	149.3E6	54.072	56.136
3) MA gamma-BHC...	4.330	3.615	111.5E6	136.0E6	54.259	55.307
4) MA Heptachlor	4.919	3.954	100.2E6	130.7E6	53.483	54.290
5) MB Aldrin	5.260	4.234	96558789	124.5E6	51.841	54.591
6) B beta-BHC	4.527	3.914	48274731	57330941	53.048	52.478
7) B delta-BHC	4.774	4.143	99929922	126.7E6	52.015	55.086
8) B Heptachlo...	5.686	4.736	85836765	111.9E6	51.439	53.101
9) A Endosulfan I	6.071	5.106	81637724	102.4E6	52.395	53.057
10) B gamma-Chl...	5.942	4.985	87218451	115.2E6	52.202	52.219m
11) B alpha-Chl...	6.021	5.050	86269557	111.1E6	53.523	53.677
12) B 4,4'-DDE	6.194	5.240	77527500	102.7E6	53.150	54.168
13) MA Dieldrin	6.346	5.371	86964856	110.9E6	53.296	53.977
14) MA Endrin	6.576	5.646	69199622	96810425	52.042	51.299
15) B Endosulfa...	6.795	5.940	80320168	95284661	51.819	53.866
16) A 4,4'-DDD	6.710	5.794	67266636	90194133	53.068	53.823
17) MA 4,4'-DDT	7.024	6.045	68504141	84477178	52.224	52.575
18) B Endrin al...	6.925	6.119	62263377	73286023	52.404	53.609
19) B Endosulfa...	7.159	6.342	72181665	91353706	51.691	53.233
20) A Methoxychlor	7.500	6.619	35218581	46080555	52.063	52.024
21) B Endrin ke...	7.643	6.848	82410693	109.1E6	53.295	54.217
22) Mirex	8.117	7.030	62421513	88119120	52.129	49.694

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:56
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL090924

Manual Integrations

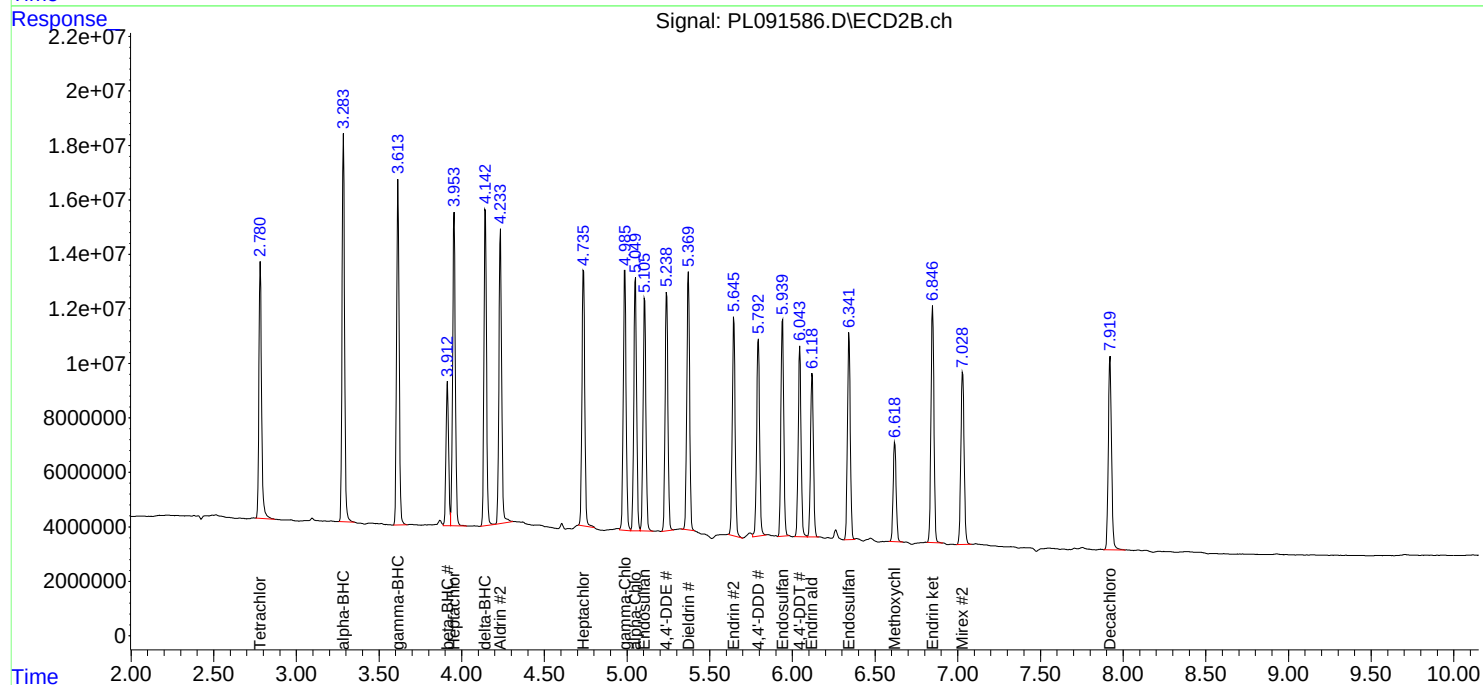
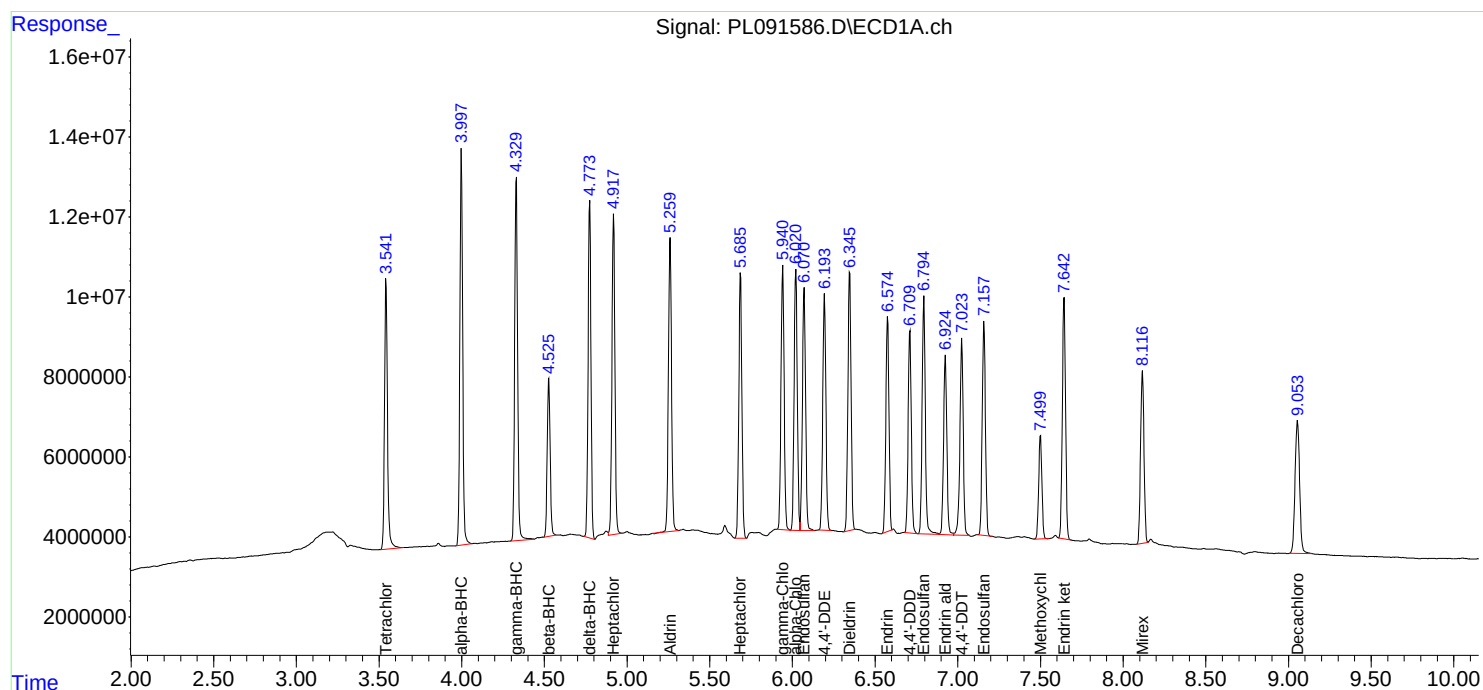
APPROVED

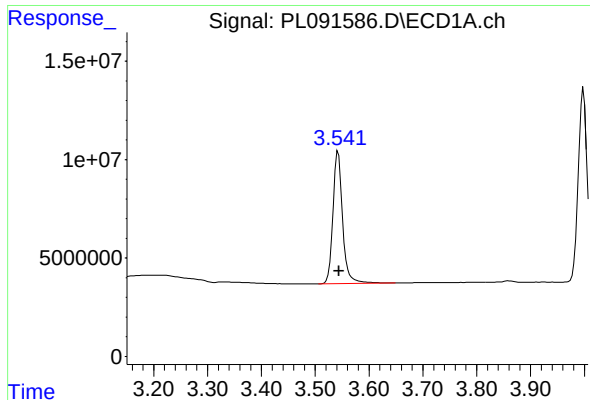
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 19:10:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.001 min
Response: 83915486
Conc: 53.84 ng/ml

Instrument :

ECD_L

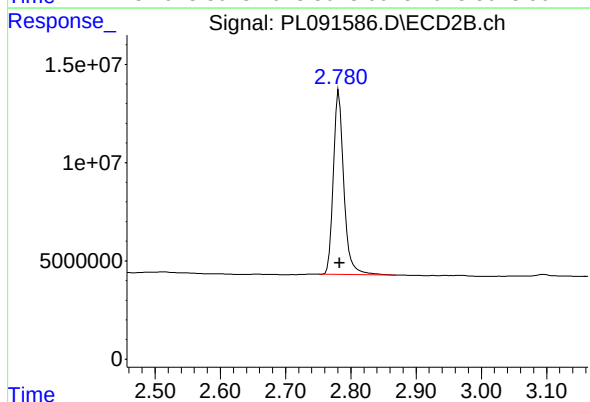
ClientSampleId :

ICVPL090924

Manual Integrations

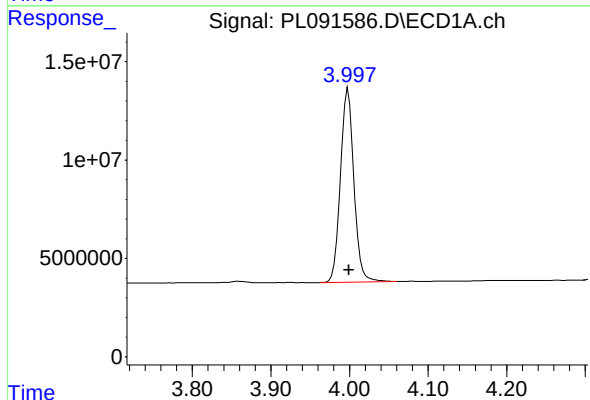
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



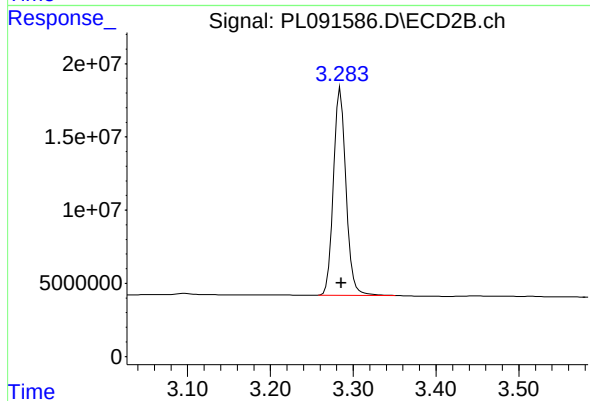
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 104614421
Conc: 55.93 ng/ml



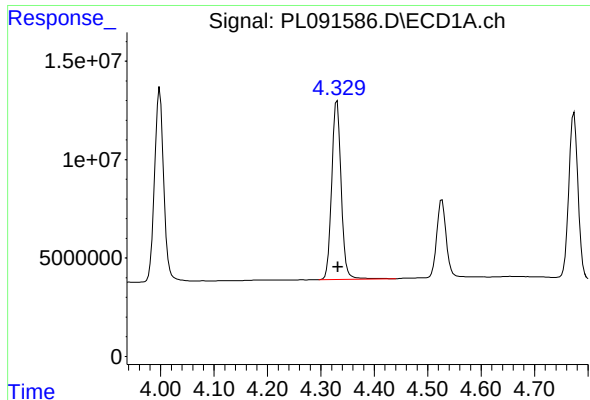
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.001 min
Response: 116790261
Conc: 54.07 ng/ml



#2 alpha-BHC

R.T.: 3.285 min
Delta R.T.: -0.001 min
Response: 149296639
Conc: 56.14 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 111540592
Conc: 54.26 ng/ml

Instrument :

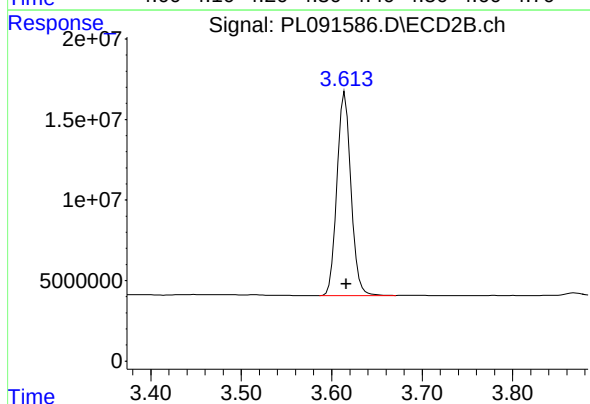
ECD_L

ClientSampleId :

ICVPL090924

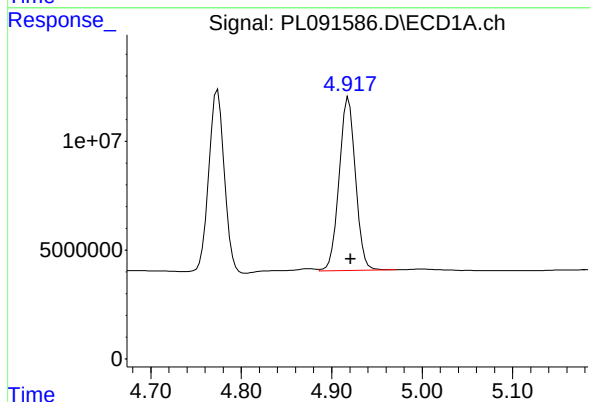
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



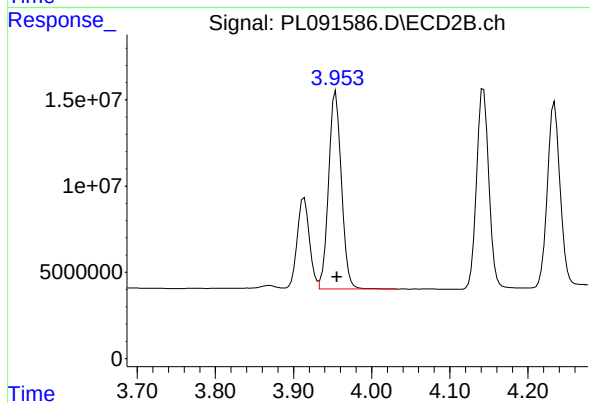
#3 gamma-BHC (Lindane)

R.T.: 3.615 min
Delta R.T.: -0.002 min
Response: 136026098
Conc: 55.31 ng/ml



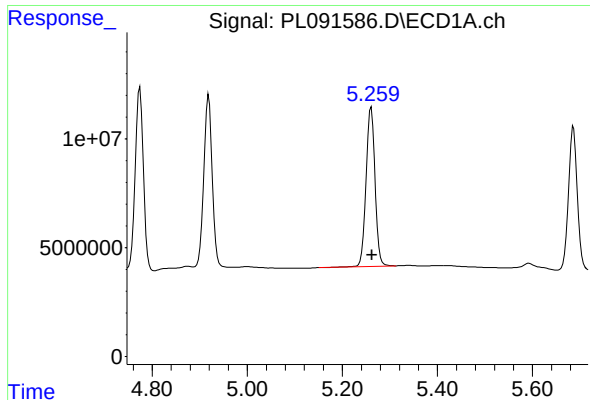
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: -0.002 min
Response: 100175098
Conc: 53.48 ng/ml



#4 Heptachlor

R.T.: 3.954 min
Delta R.T.: -0.002 min
Response: 130748030
Conc: 54.29 ng/ml



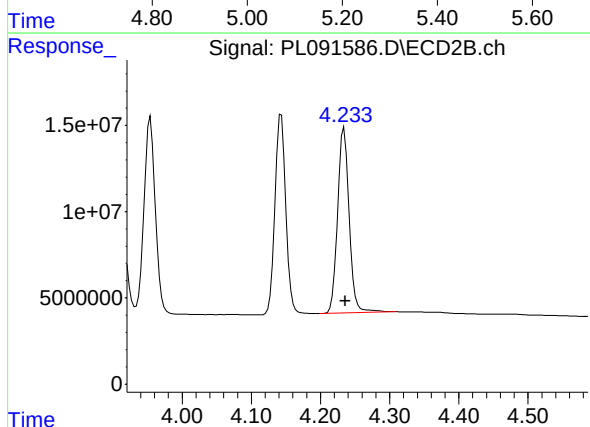
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: -0.002 min
Response: 96558789
Conc: 51.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

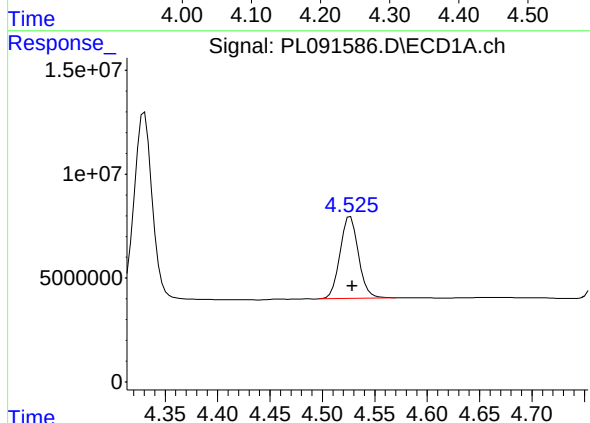
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



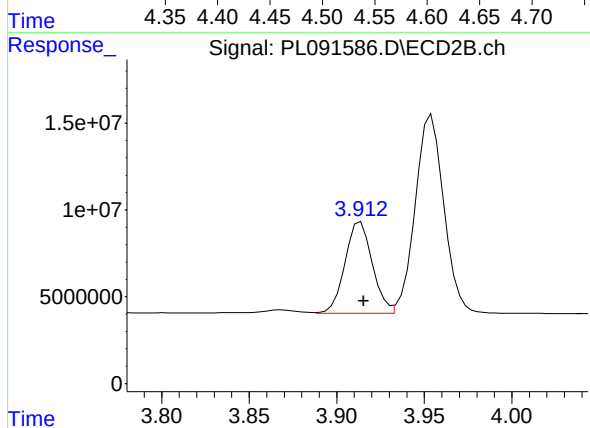
#5 Aldrin

R.T.: 4.234 min
Delta R.T.: -0.002 min
Response: 124549009
Conc: 54.59 ng/ml



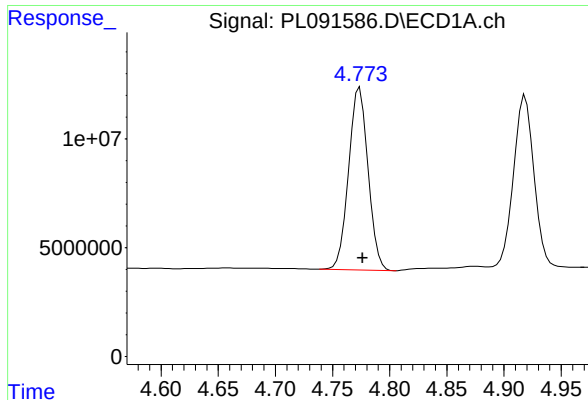
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: -0.002 min
Response: 48274731
Conc: 53.05 ng/ml



#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: -0.002 min
Response: 57330941
Conc: 52.48 ng/ml



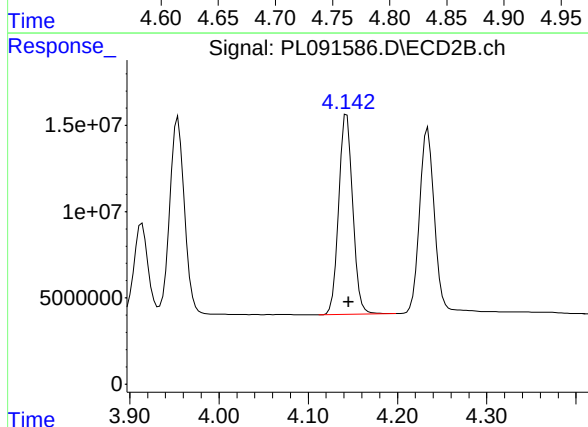
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: -0.002 min
Response: 99929922
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

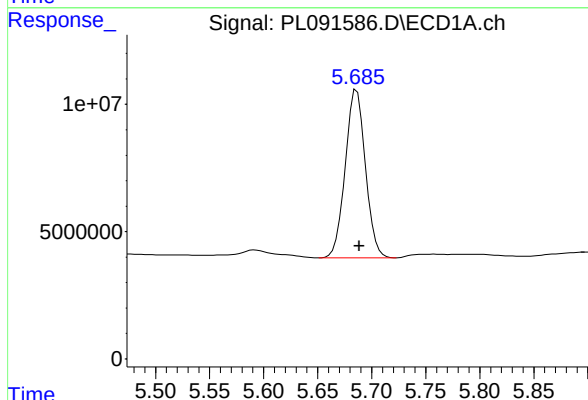
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



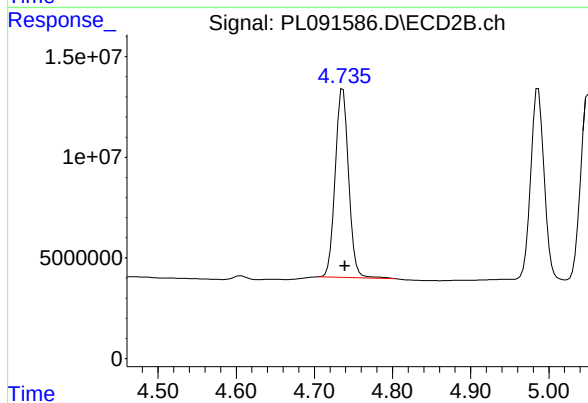
#7 delta-BHC

R.T.: 4.143 min
Delta R.T.: -0.002 min
Response: 126738150
Conc: 55.09 ng/ml



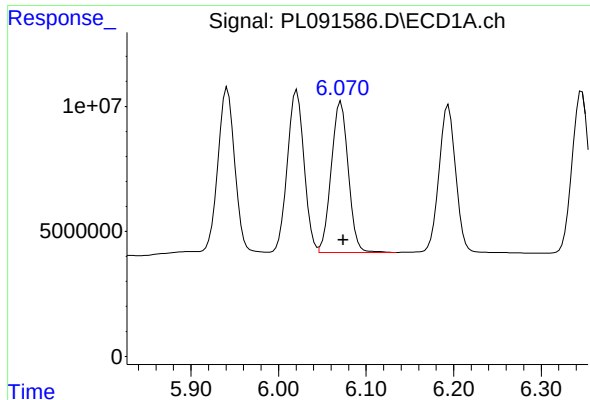
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.002 min
Response: 85836765
Conc: 51.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.736 min
Delta R.T.: -0.003 min
Response: 111921473
Conc: 53.10 ng/ml



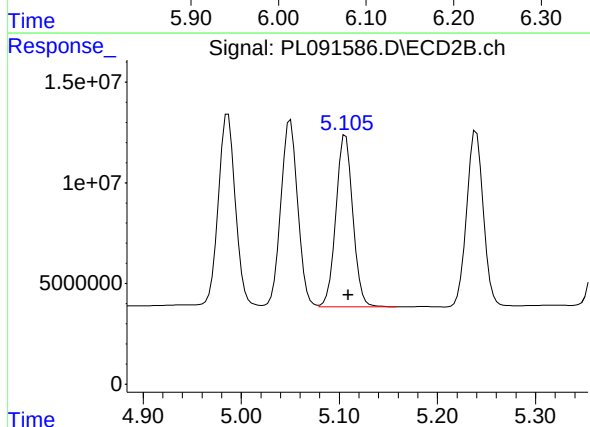
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 81637724
Conc: 52.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

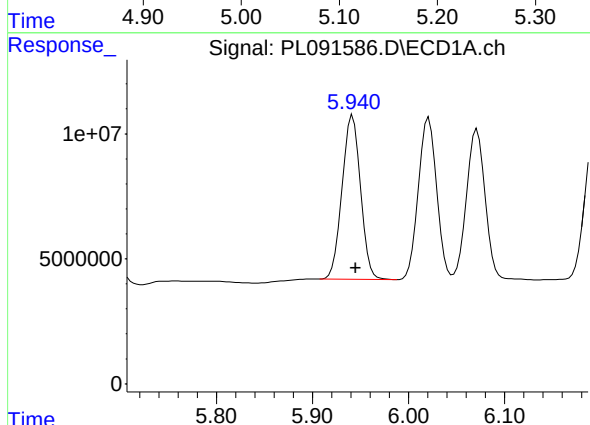
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



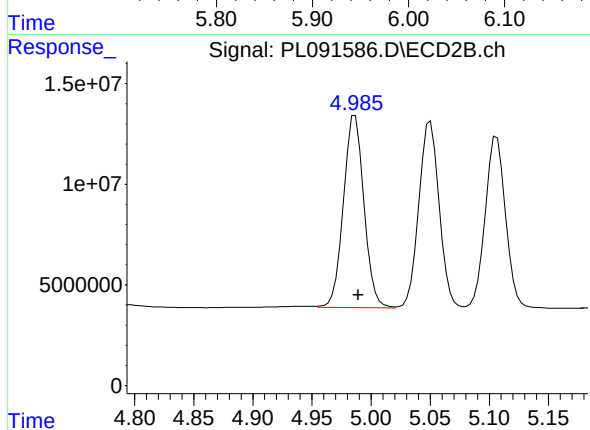
#9 Endosulfan I

R.T.: 5.106 min
Delta R.T.: -0.003 min
Response: 102364549
Conc: 53.06 ng/ml



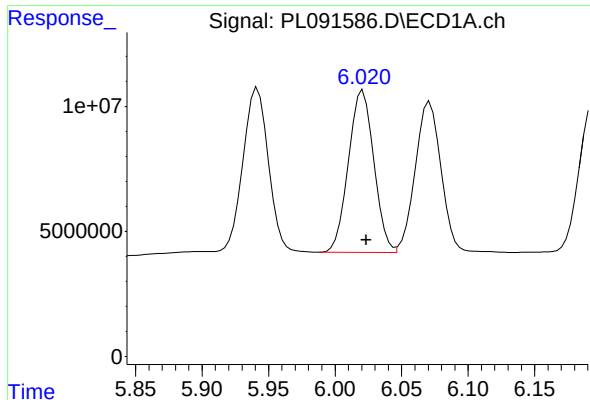
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 87218451
Conc: 52.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.985 min
Delta R.T.: -0.004 min
Response: 115176998
Conc: 52.22 ng/ml m



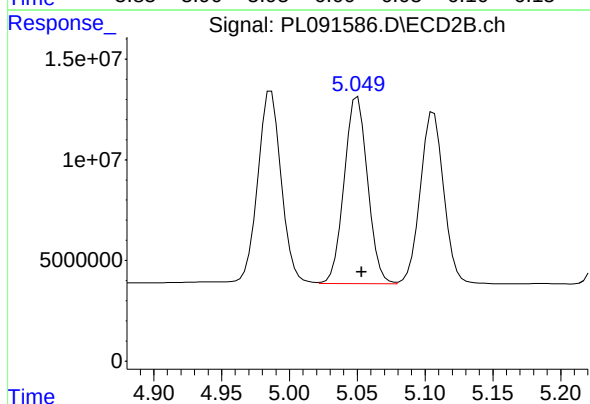
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: -0.002 min
Response: 86269557
Conc: 53.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

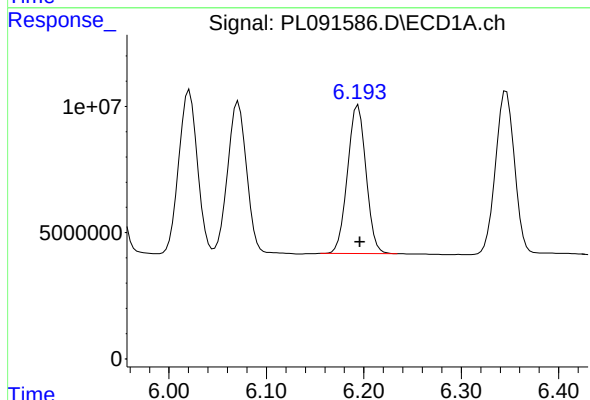
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



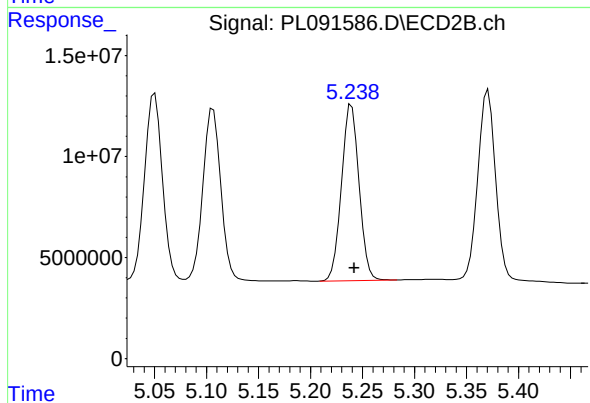
#11 alpha-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.003 min
Response: 111058694
Conc: 53.68 ng/ml



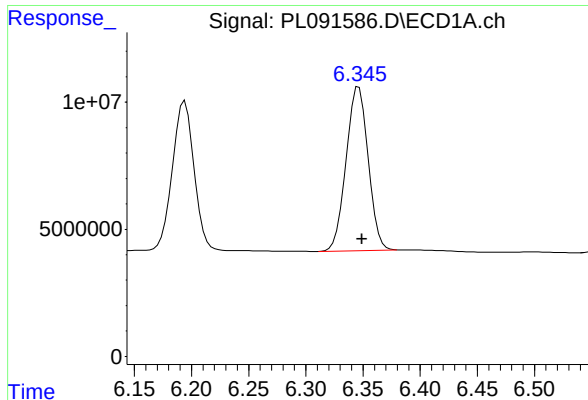
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 77527500
Conc: 53.15 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 102740696
Conc: 54.17 ng/ml



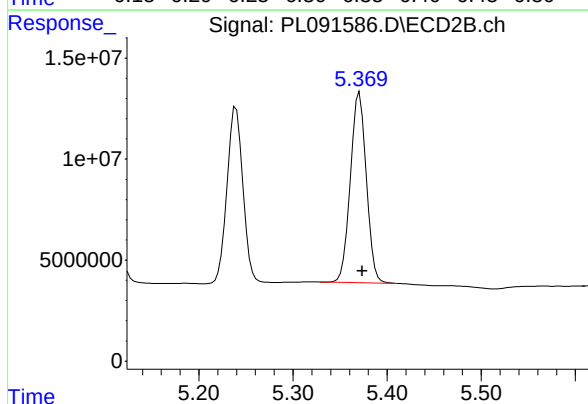
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 86964856
Conc: 53.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

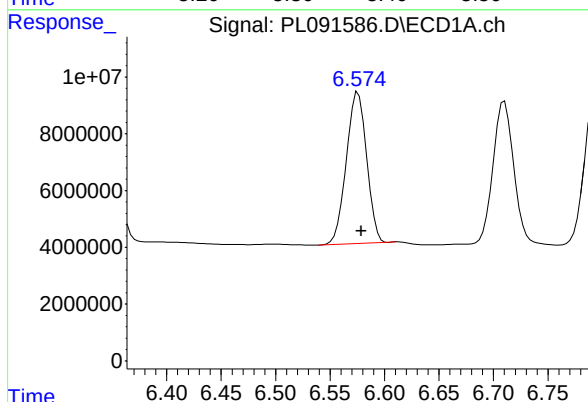
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



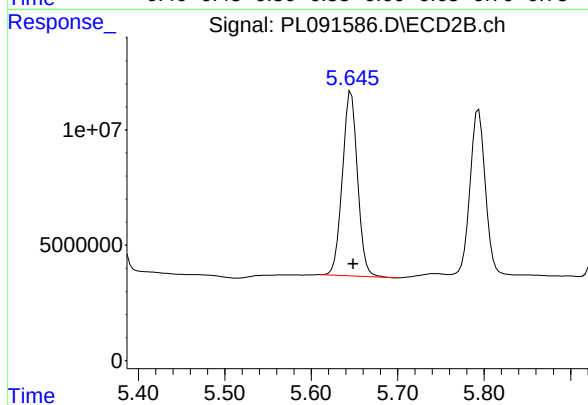
#13 Dieldrin

R.T.: 5.371 min
Delta R.T.: -0.003 min
Response: 110947465
Conc: 53.98 ng/ml



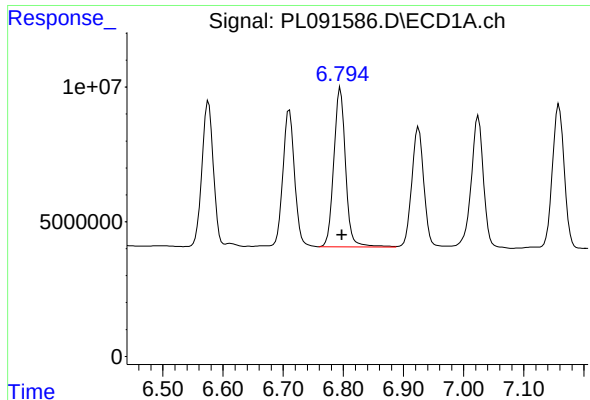
#14 Endrin

R.T.: 6.576 min
Delta R.T.: -0.003 min
Response: 69199622
Conc: 52.04 ng/ml



#14 Endrin

R.T.: 5.646 min
Delta R.T.: -0.003 min
Response: 96810425
Conc: 51.30 ng/ml



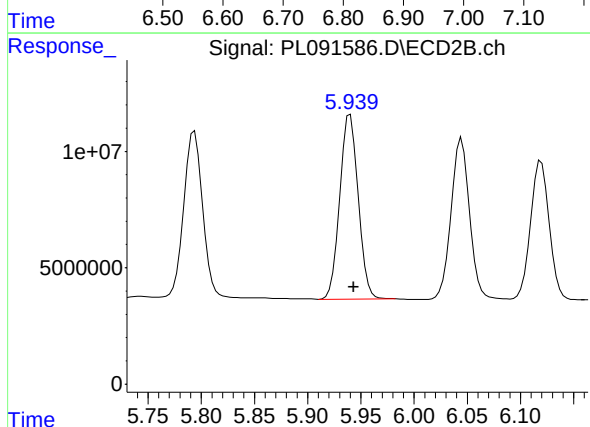
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: -0.003 min
Response: 80320168
Conc: 51.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

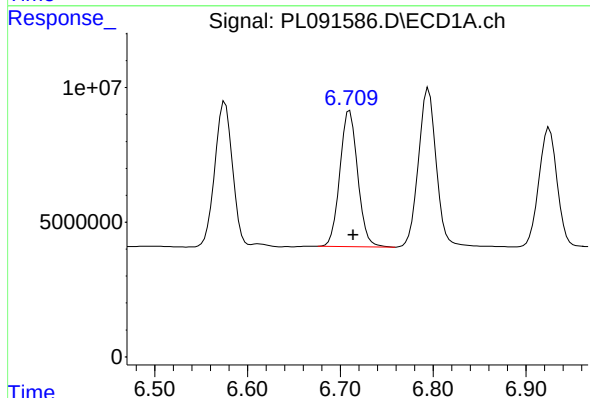
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



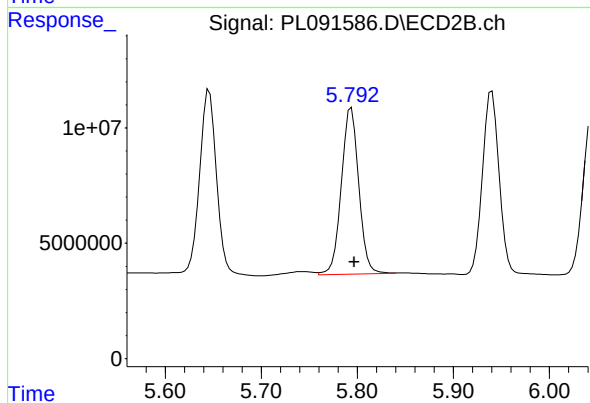
#15 Endosulfan II

R.T.: 5.940 min
Delta R.T.: -0.003 min
Response: 95284661
Conc: 53.87 ng/ml



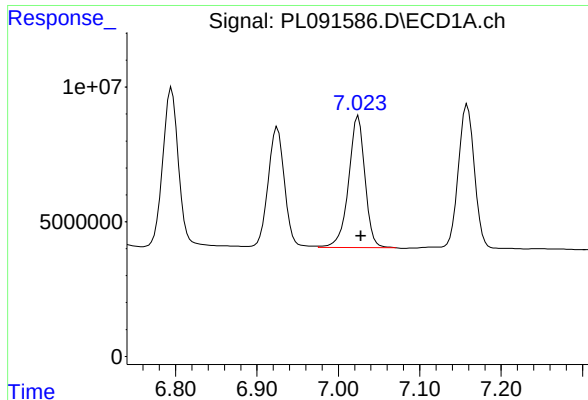
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: -0.004 min
Response: 67266636
Conc: 53.07 ng/ml



#16 4,4'-DDD

R.T.: 5.794 min
Delta R.T.: -0.003 min
Response: 90194133
Conc: 53.82 ng/ml



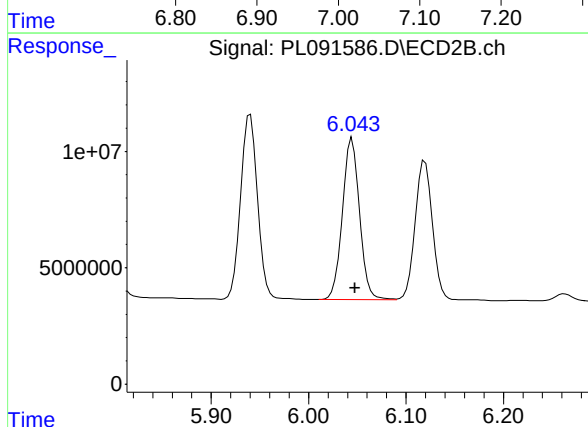
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: -0.003 min
Response: 68504141
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

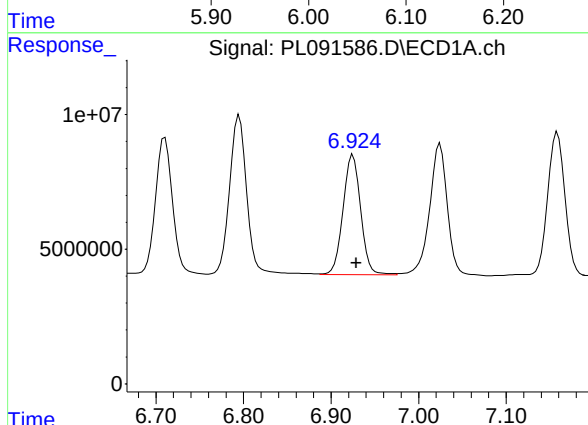
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



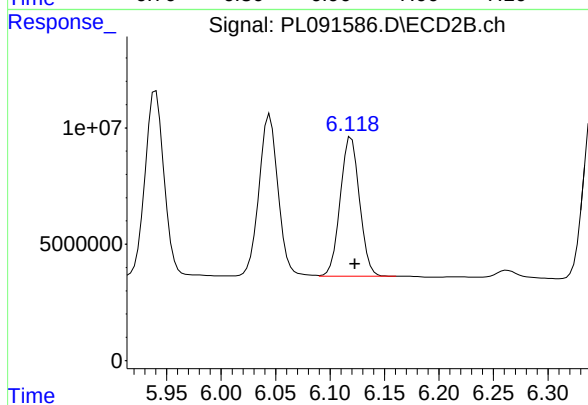
#17 4,4'-DDT

R.T.: 6.045 min
Delta R.T.: -0.003 min
Response: 84477178
Conc: 52.58 ng/ml



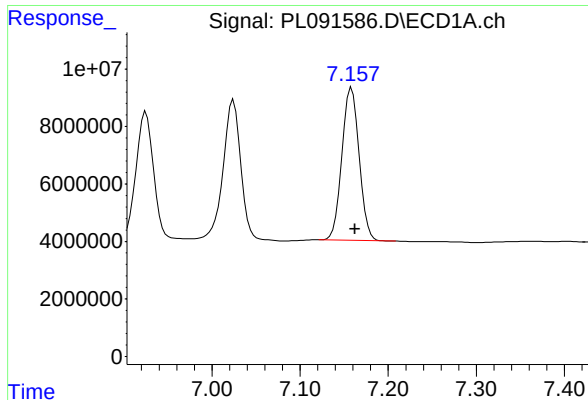
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.004 min
Response: 62263377
Conc: 52.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.119 min
Delta R.T.: -0.003 min
Response: 73286023
Conc: 53.61 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: -0.004 min
Response: 72181665
Conc: 51.69 ng/ml

Instrument :

ECD_L

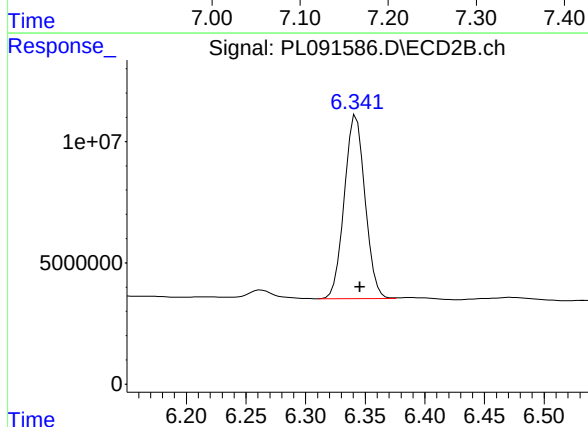
ClientSampleId :

ICVPL090924

Manual Integrations

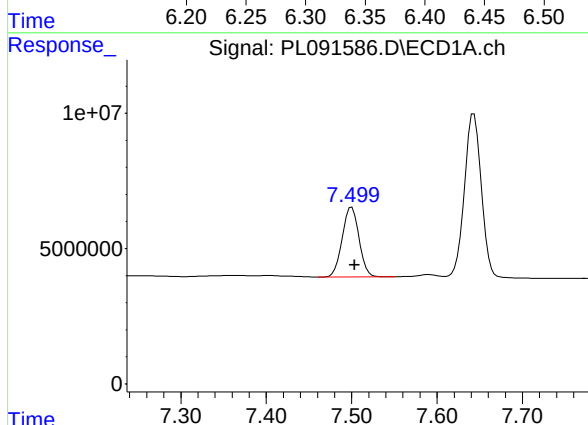
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



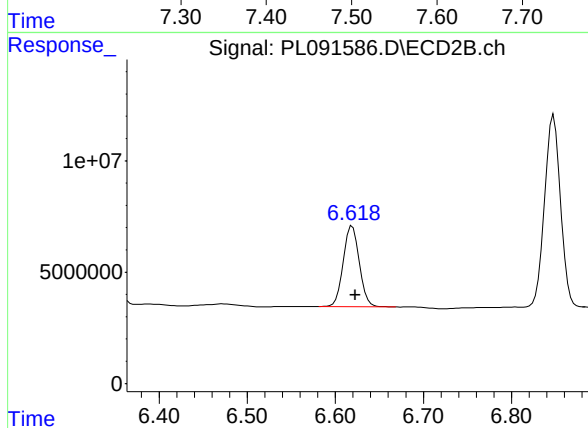
#19 Endosulfan Sulfate

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 91353706
Conc: 53.23 ng/ml



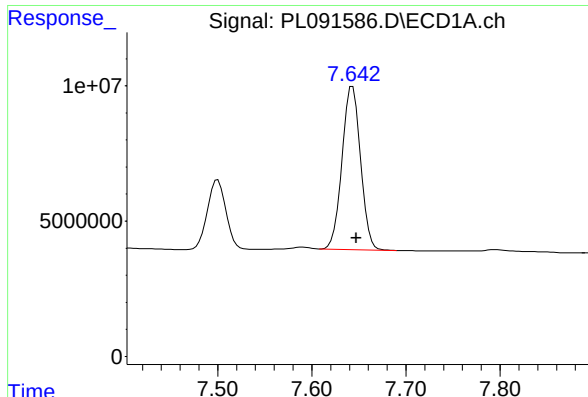
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: -0.003 min
Response: 35218581
Conc: 52.06 ng/ml



#20 Methoxychlor

R.T.: 6.619 min
Delta R.T.: -0.003 min
Response: 46080555
Conc: 52.02 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.004 min
Response: 82410693
Conc: 53.29 ng/ml

Instrument :

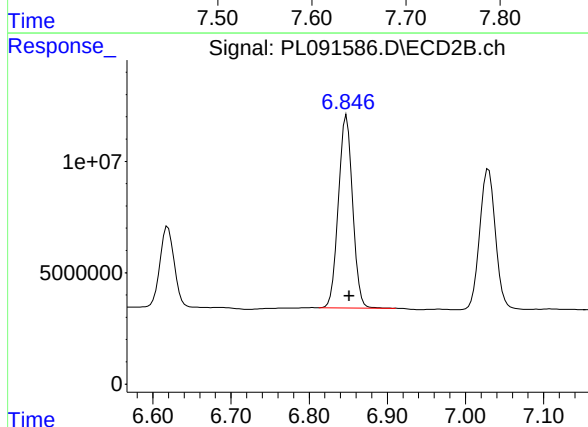
ECD_L

ClientSampleId :

ICVPL090924

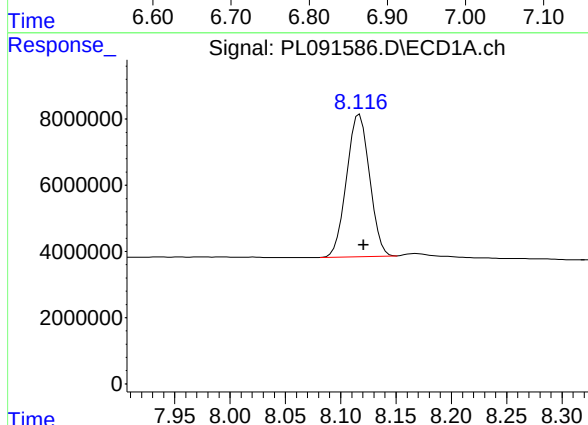
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



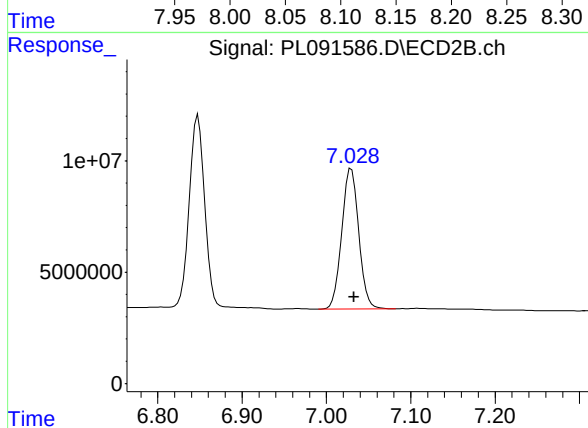
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.003 min
Response: 109052634
Conc: 54.22 ng/ml



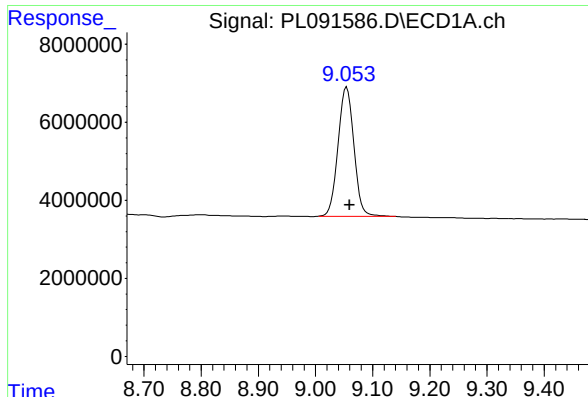
#22 Mirex

R.T.: 8.117 min
Delta R.T.: -0.004 min
Response: 62421513
Conc: 52.13 ng/ml



#22 Mirex

R.T.: 7.030 min
Delta R.T.: -0.003 min
Response: 88119120
Conc: 49.69 ng/ml



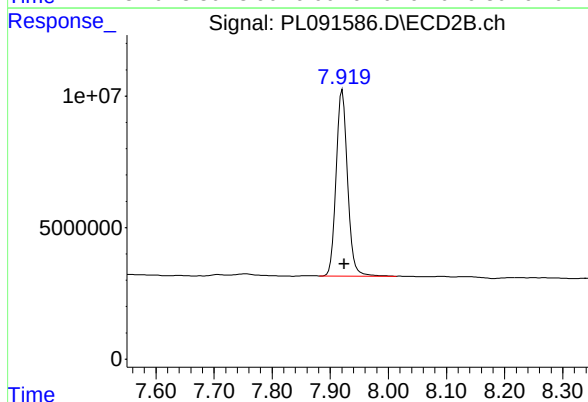
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.006 min
Response: 63781159
Conc: 52.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.004 min
Response: 97277745
Conc: 52.68 ng/ml

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26

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

LAB FILE ID:	RT 100 = <u>PL091956.D</u>	RT 075 = <u>PL091957.D</u>
RT 050 = <u>PL091958.D</u>	RT 025 = <u>PL091959.D</u>	RT 005 = <u>PL091960.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.03	7.03	7.03	7.03	7.03	7.03	6.93	7.13
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.78	4.77	4.78	4.68	4.88
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Endrin ketone	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26

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

LAB FILE ID:	RT 100 = <u>PL091956.D</u>	RT 075 = <u>PL091957.D</u>
RT 050 = <u>PL091958.D</u>	RT 025 = <u>PL091959.D</u>	RT 005 = <u>PL091960.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aldrin	4.24	4.24	4.24	4.24	4.24	4.24	4.14	4.34
alpha-BHC	3.29	3.29	3.29	3.29	3.29	3.29	3.19	3.39
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.92	3.92	3.92	3.92	3.92	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.15	4.15	4.15	4.15	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.35	6.35	6.34	6.34	6.35	6.34	6.24	6.44
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
gamma-Chlordane	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L
Calibration Date(s): 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL091956.D</u>		CF 075 = <u>PL091957.D</u>			
CF 050 = <u>PL091958.D</u>		CF 025 = <u>PL091959.D</u>		CF 005 = <u>PL091960.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1653520000	1647210000	1678500000	1744800000	2254540000	1795720000	14
4,4'-DDE	2066570000	2045910000	2071830000	2104470000	2533330000	2164420000	10
4,4'-DDT	1733900000	1735380000	1754170000	1804510000	2178050000	1841200000	10
Aldrin	2641050000	2607180000	2641830000	2690200000	3307680000	2777590000	11
alpha-BHC	3076620000	3010330000	2985720000	2963000000	3446930000	3096520000	6
alpha-Chlordane	2305920000	2301860000	2353960000	2423920000	2931020000	2463340000	11
beta-BHC	1233660000	1235340000	1269540000	1303030000	1590300000	1326380000	11
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
delta-BHC	2841210000	2757590000	2778760000	2797400000	3246070000	2884210000	7
Dieldrin	2300240000	2292130000	2329590000	2380410000	2891930000	2438860000	10
Endosulfan I	2149020000	2152500000	2207300000	2283480000	2774700000	2313400000	11
Endosulfan II	1992660000	2006240000	2063200000	2160930000	2775610000	2199730000	15
Endosulfan sulfate	1820440000	1836620000	1889410000	1967750000	2397160000	1982280000	12
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
Endrin aldehyde	1583540000	1604430000	1647320000	1720460000	2158080000	1742760000	14
Endrin ketone	2055570000	2058040000	2104700000	2152580000	2616930000	2197560000	11
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
gamma-Chlordane	2323480000	2305690000	2357460000	2423400000	2945970000	2471200000	11
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L
Calibration Date(s): 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26

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

LAB FILE ID:		CF 100 = <u>PL091956.D</u>		CF 075 = <u>PL091957.D</u>			
CF 050 = <u>PL091958.D</u>		CF 025 = <u>PL091959.D</u>		CF 005 = <u>PL091960.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2268160000	2177660000	2139850000	1992930000	2102490000	2136220000	5
4,4'-DDE	2937140000	2821610000	2796600000	2614820000	2724050000	2778840000	4
4,4'-DDT	2455710000	2371160000	2329540000	2184000000	2225420000	2313160000	5
Aldrin	3593290000	3455480000	3419630000	3175270000	3361830000	3401100000	4
alpha-BHC	3937530000	3786440000	3690070000	3414870000	3387720000	3643320000	7
alpha-Chlordane	3085390000	2983970000	2990310000	2841400000	3066630000	2993540000	3
beta-BHC	1482940000	1448440000	1465850000	1419920000	1698340000	1503100000	7
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
delta-BHC	3726380000	3579670000	3509320000	3229840000	3313260000	3471690000	6
Dieldrin	3085830000	2978040000	2947180000	2759020000	2889140000	2931840000	4
Endosulfan I	2816250000	2735830000	2741360000	2613670000	2816080000	2744640000	3
Endosulfan II	2561230000	2497720000	2506550000	2398770000	2547770000	2502410000	3
Endosulfan sulfate	2442810000	2382500000	2402520000	2314600000	2520170000	2412520000	3
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
Endrin aldehyde	2035320000	2004480000	2019970000	1971180000	2172650000	2040720000	4
Endrin ketone	2811580000	2766230000	2778840000	2679690000	2808370000	2768950000	2
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
gamma-Chlordane	3135810000	3020590000	3008060000	2840920000	3037500000	3008580000	4
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:32
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: Sep 23 12:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	212.8E6	254.5E6	99.603	101.351
28) SA Decachlor...	9.060	7.923	151.4E6	237.4E6	97.533	98.873
Target Compounds						
2) A alpha-BHC	4.000	3.286	307.7E6	393.8E6	101.499	103.244
3) MA gamma-BHC...	4.332	3.616	299.0E6	377.6E6	100.695	102.691
4) MA Heptachlor	4.921	3.955	259.0E6	355.4E6	99.351	101.751
5) MB Aldrin	5.263	4.236	264.1E6	359.3E6	99.985	102.476
6) B beta-BHC	4.529	3.915	123.4E6	148.3E6	98.567	100.580
7) B delta-BHC	4.777	4.145	284.1E6	372.6E6	101.111	103.000
8) B Heptachlo...	5.689	4.738	235.5E6	309.1E6	98.839	101.286
9) A Endosulfan I	6.074	5.108	214.9E6	281.6E6	98.662	101.348
10) B gamma-Chl...	5.945	4.989	232.3E6	313.6E6	99.274	102.079
11) B alpha-Chl...	6.024	5.052	230.6E6	308.5E6	98.969	101.565
12) B 4,4'-DDE	6.197	5.241	206.7E6	293.7E6	99.873	102.451
13) MA Dieldrin	6.350	5.373	230.0E6	308.6E6	99.366	102.298
14) MA Endrin	6.579	5.648	194.1E6	272.4E6	99.214	101.867
15) B Endosulfa...	6.799	5.942	199.3E6	256.1E6	98.261	101.079
16) A 4,4'-DDD	6.714	5.796	165.4E6	226.8E6	99.250	102.911
17) MA 4,4'-DDT	7.028	6.046	173.4E6	245.6E6	99.419	102.637
18) B Endrin al...	6.929	6.122	158.4E6	203.5E6	98.026	100.378
19) B Endosulfa...	7.163	6.345	182.0E6	244.3E6	98.141	100.831
20) A Methoxychlor	7.503	6.622	91373843	122.8E6	97.836	99.754
21) B Endrin ke...	7.648	6.850	205.6E6	281.2E6	98.819	100.586
22) Mirex	8.122	7.031	160.9E6	228.3E6	97.006	98.712

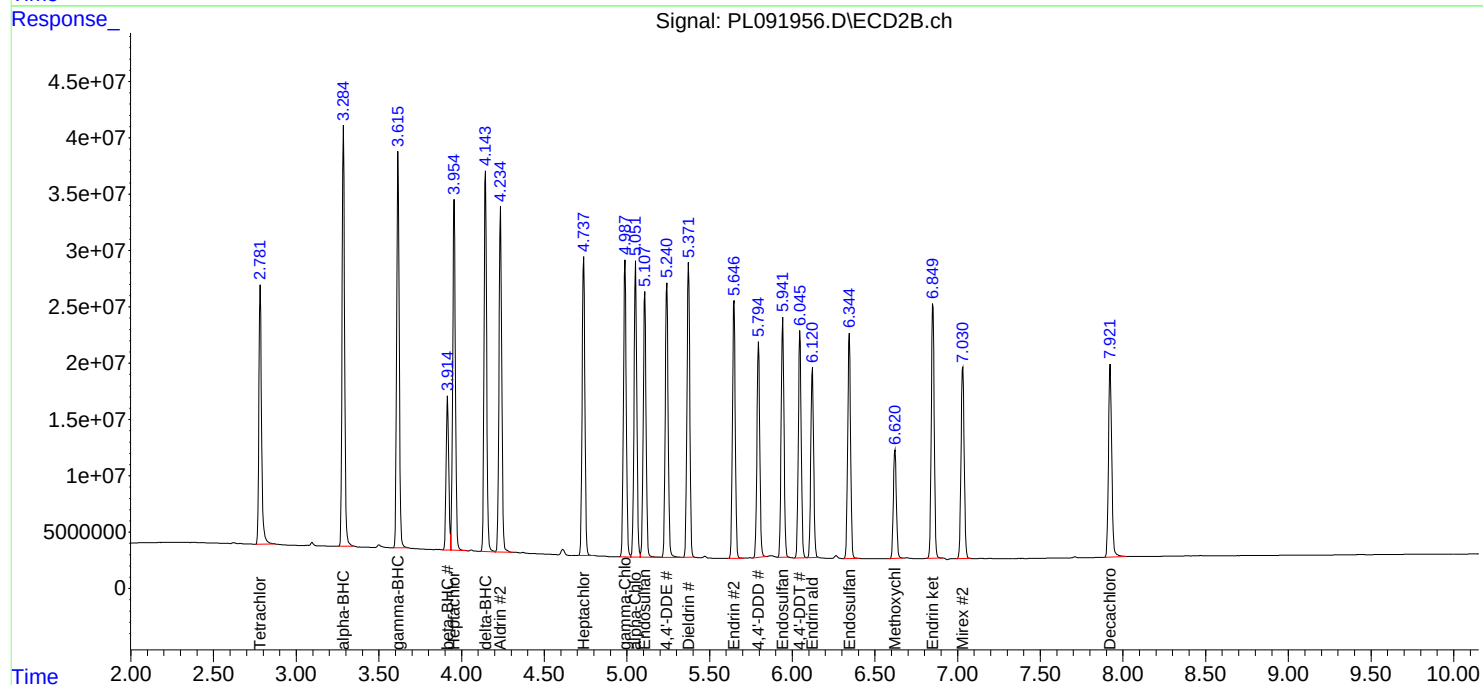
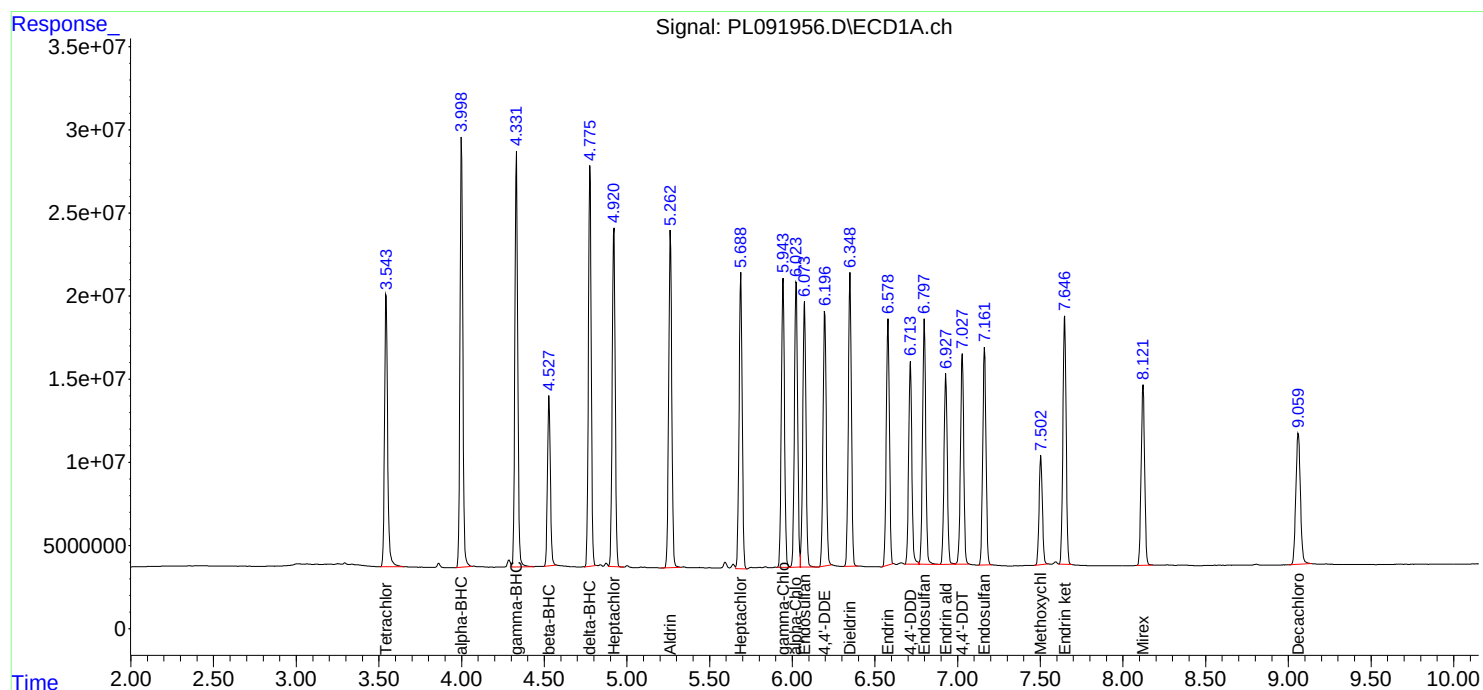
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

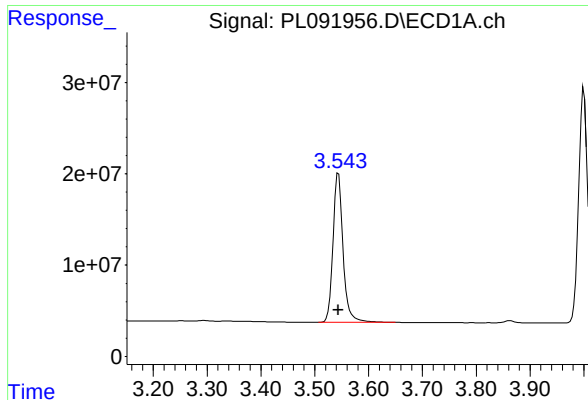
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:32
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

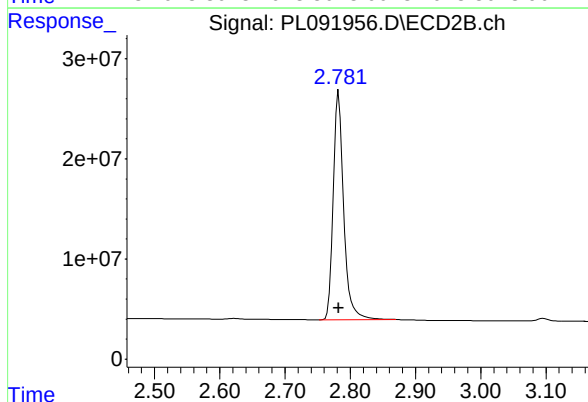




#1 Tetrachloro-m-xylene

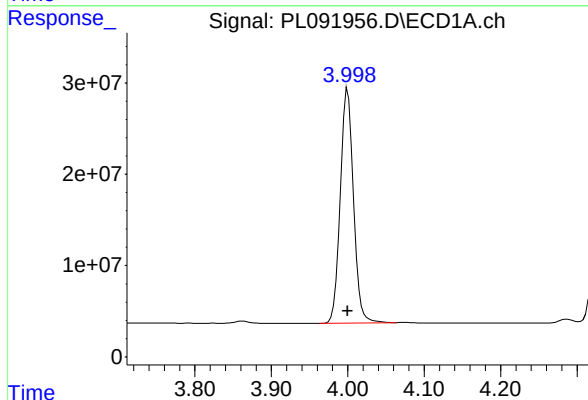
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 212848732
Conc: 99.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



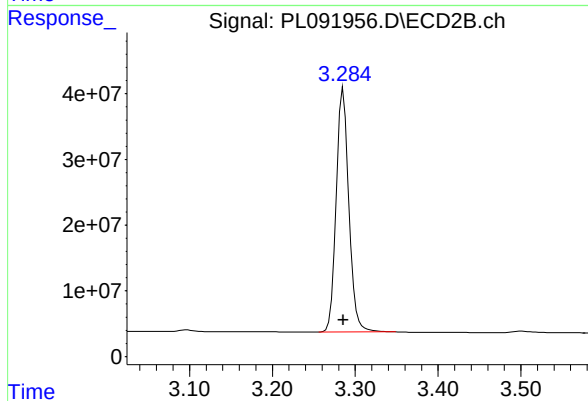
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 254453318
Conc: 101.35 ng/ml



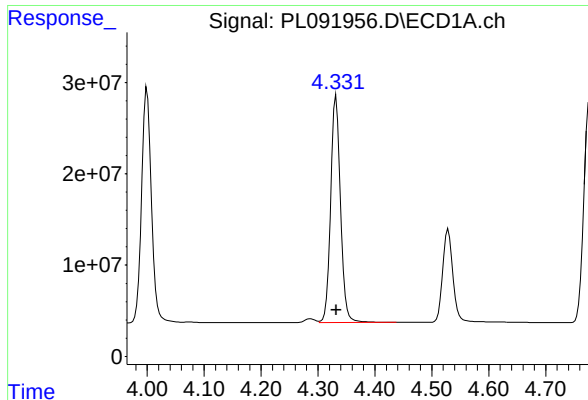
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 307661722
Conc: 101.50 ng/ml



#2 alpha-BHC

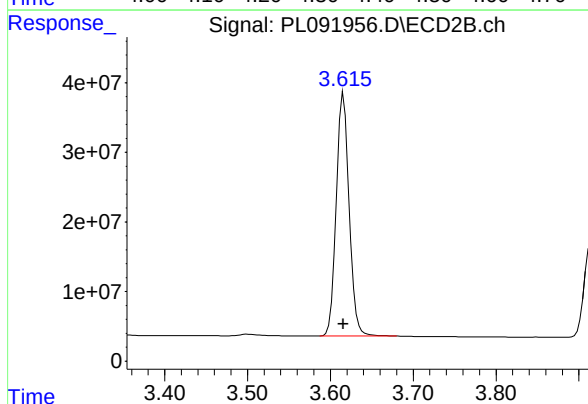
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 393753194
Conc: 103.24 ng/ml



#3 gamma-BHC (Lindane)

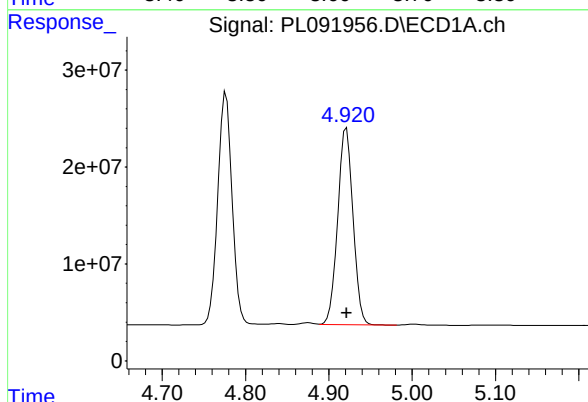
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 299041183
Conc: 100.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



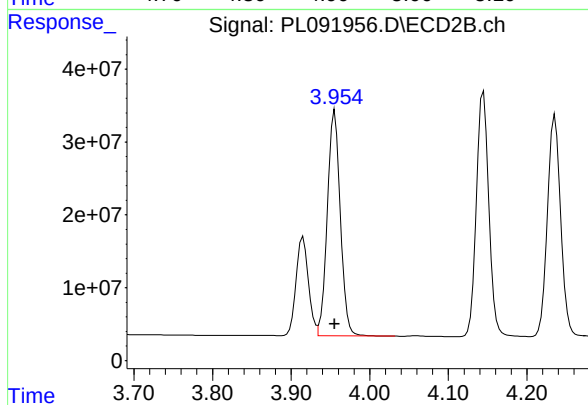
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 377571162
Conc: 102.69 ng/ml



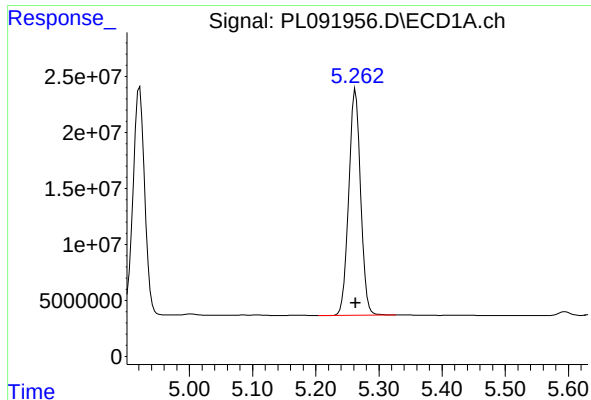
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 259044815
Conc: 99.35 ng/ml



#4 Heptachlor

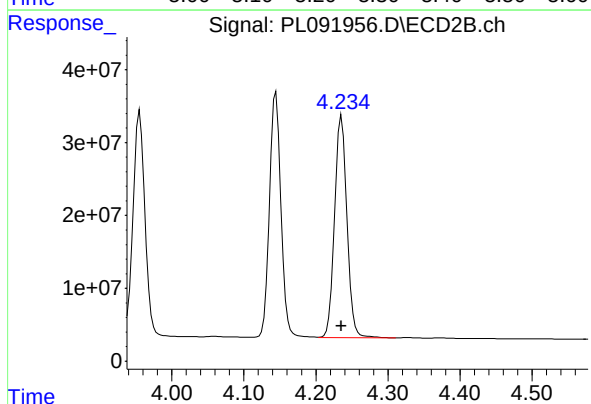
R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 355379054
Conc: 101.75 ng/ml



#5 Aldrin

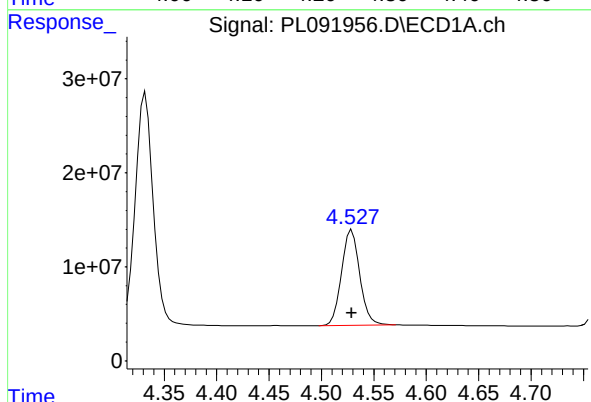
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 264105006
Conc: 99.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



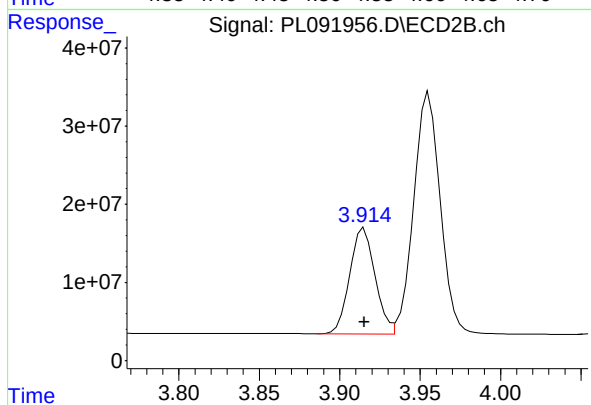
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 359328825
Conc: 102.48 ng/ml



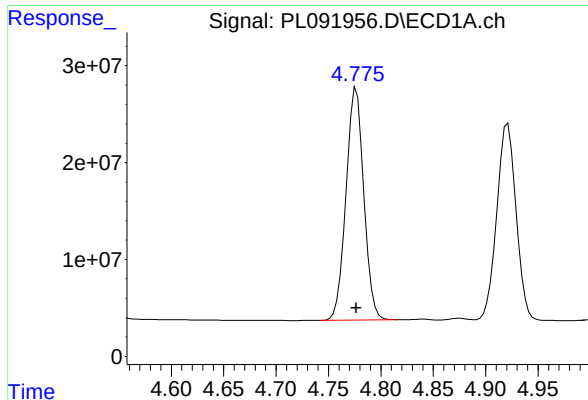
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 123366149
Conc: 98.57 ng/ml



#6 beta-BHC

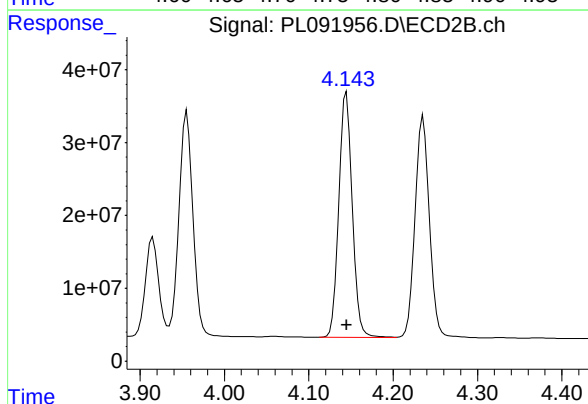
R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 148293888
Conc: 100.58 ng/ml



#7 delta-BHC

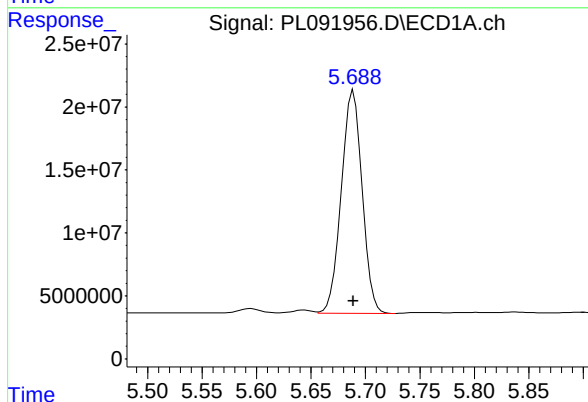
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 284121461
Conc: 101.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



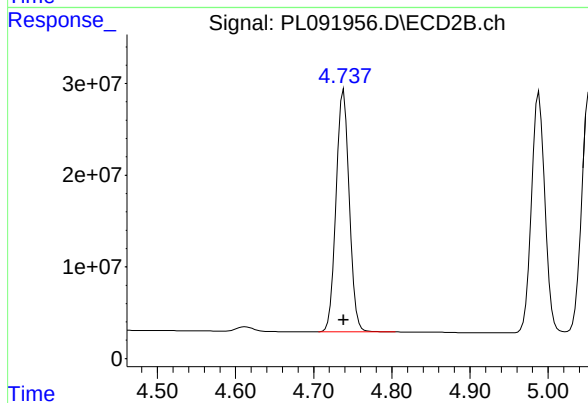
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 372637979
Conc: 103.00 ng/ml



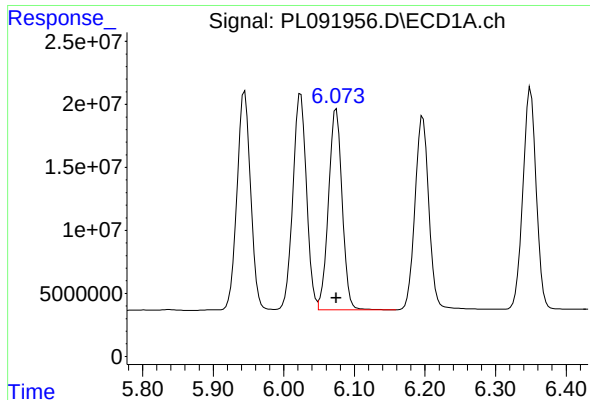
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 235524669
Conc: 98.84 ng/ml



#8 Heptachlor epoxide

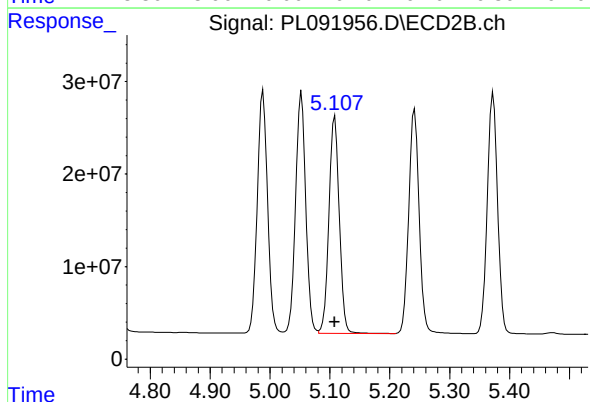
R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 309089568
Conc: 101.29 ng/ml



#9 Endosulfan I

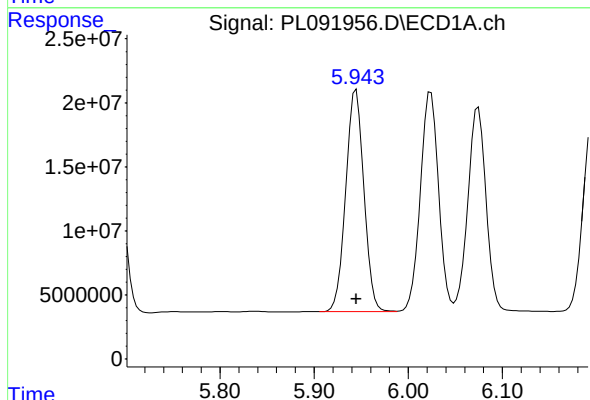
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 214901582
Conc: 98.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



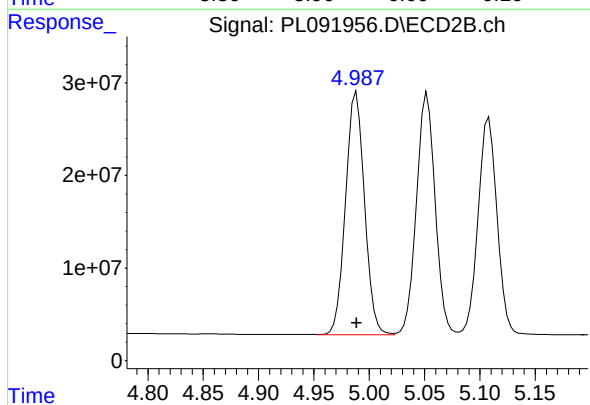
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 281625215
Conc: 101.35 ng/ml



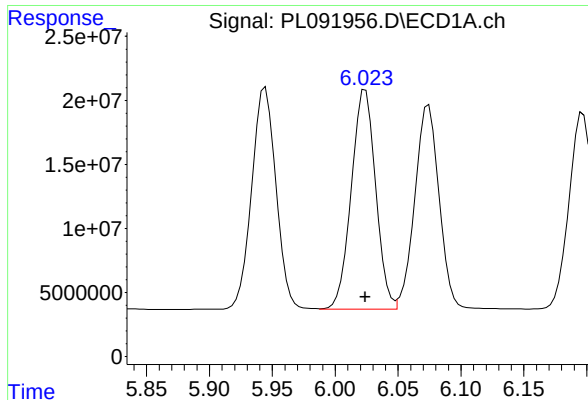
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 232347920
Conc: 99.27 ng/ml



#10 gamma-Chlordane

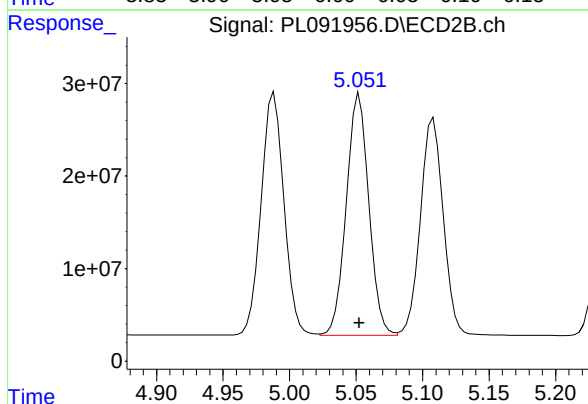
R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 313581060
Conc: 102.08 ng/ml



#11 alpha-Chlordane

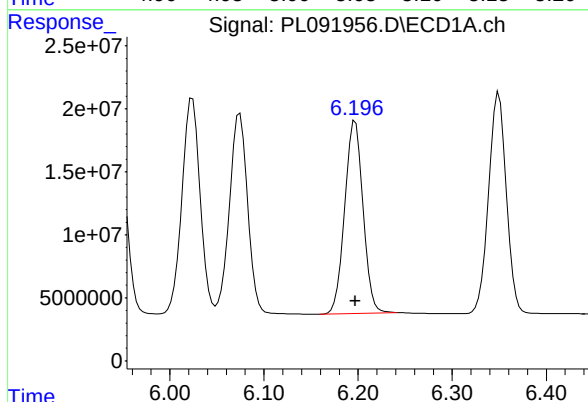
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 230592219
Conc: 98.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



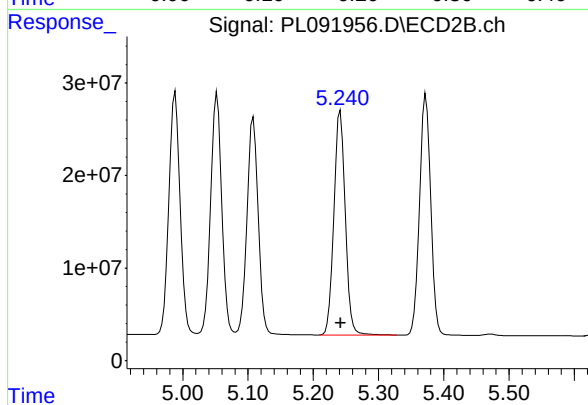
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 308539335
Conc: 101.56 ng/ml



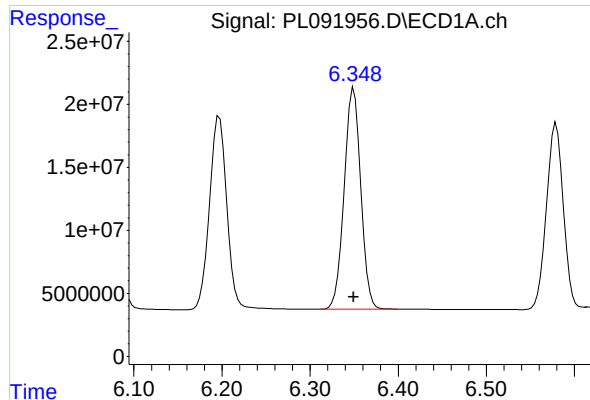
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 206657039
Conc: 99.87 ng/ml



#12 4,4'-DDE

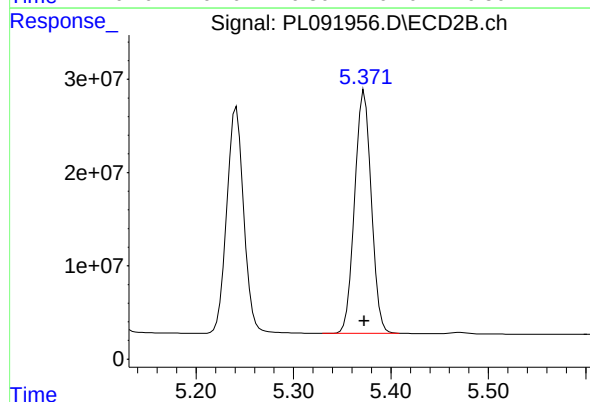
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 293714243
Conc: 102.45 ng/ml



#13 Dieldrin

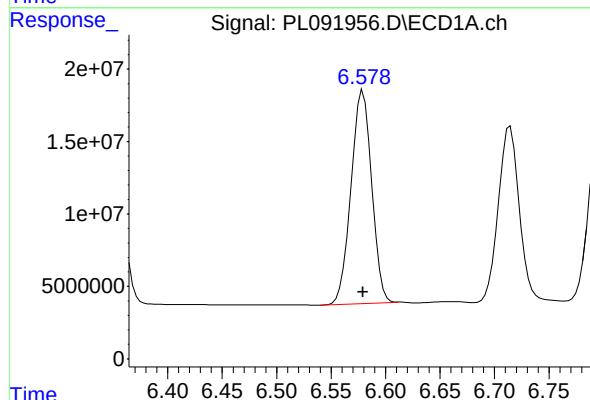
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 230024062
Conc: 99.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



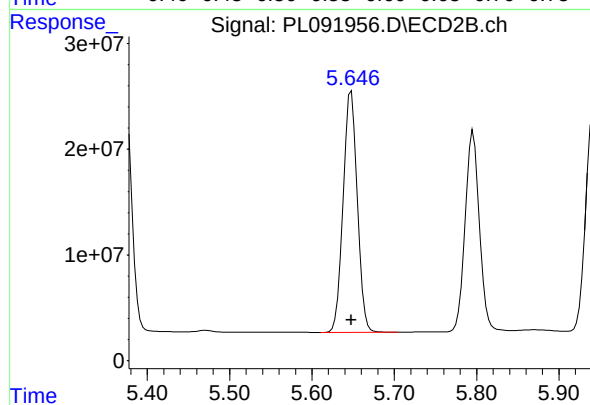
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 308582662
Conc: 102.30 ng/ml



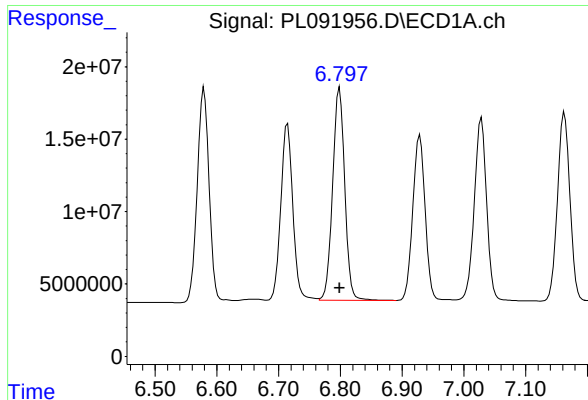
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 194088285
Conc: 99.21 ng/ml



#14 Endrin

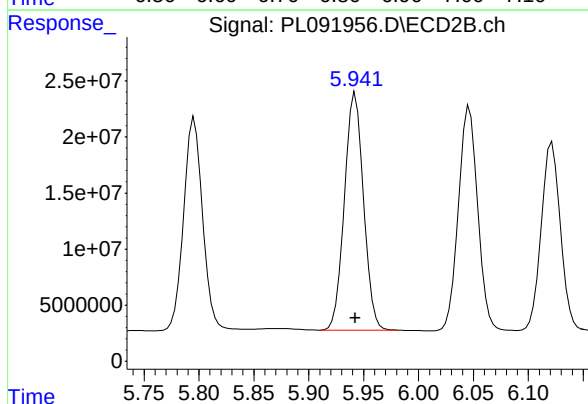
R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 272444353
Conc: 101.87 ng/ml



#15 Endosulfan II

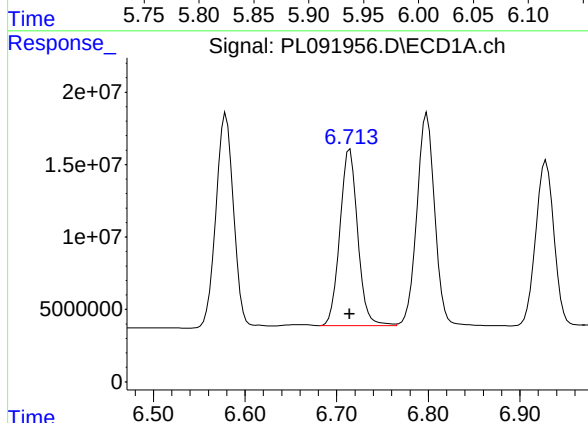
R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 199265711
Conc: 98.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



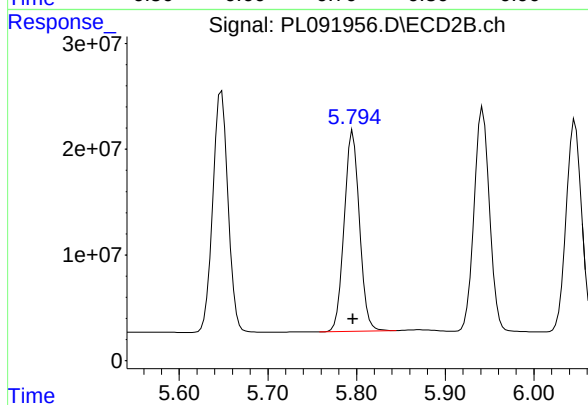
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 256123024
Conc: 101.08 ng/ml



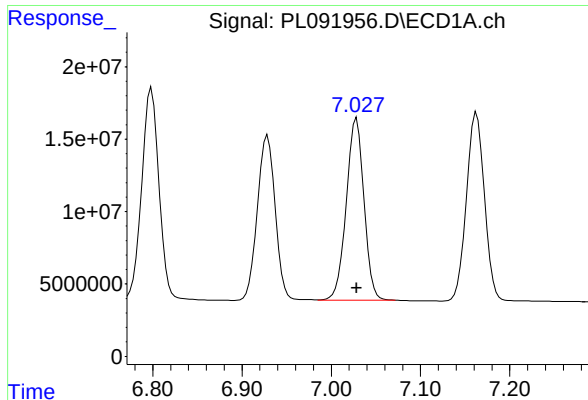
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 165352406
Conc: 99.25 ng/ml



#16 4,4'-DDD

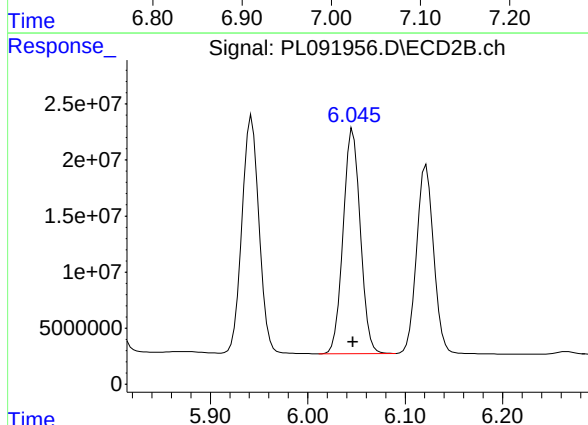
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 226816359
Conc: 102.91 ng/ml



#17 4,4'-DDT

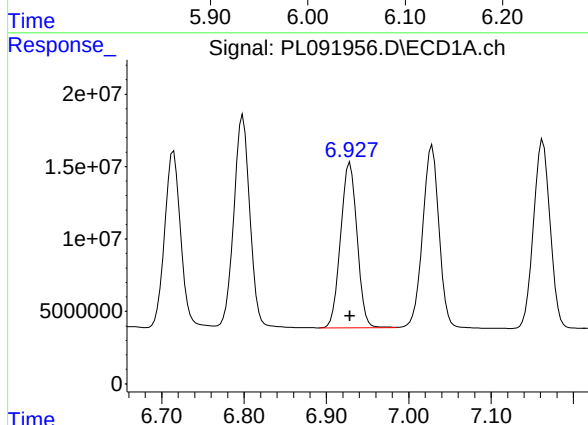
R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 173390369
Conc: 99.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



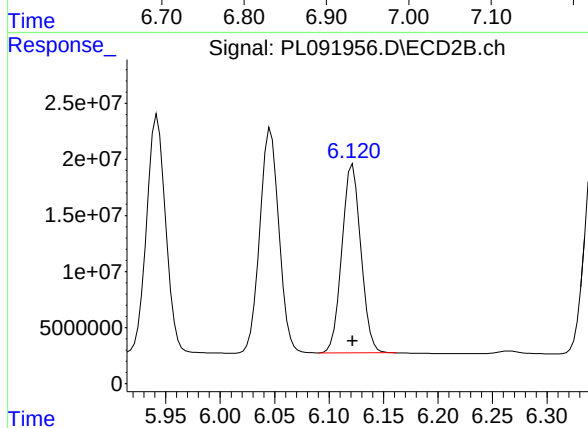
#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 245571047
Conc: 102.64 ng/ml



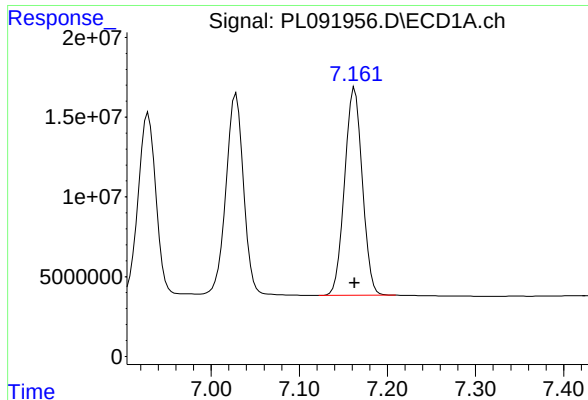
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 158354282
Conc: 98.03 ng/ml



#18 Endrin aldehyde

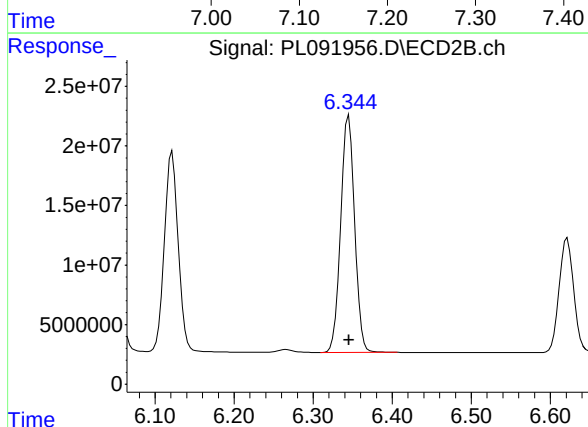
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 203531825
Conc: 100.38 ng/ml



#19 Endosulfan Sulfate

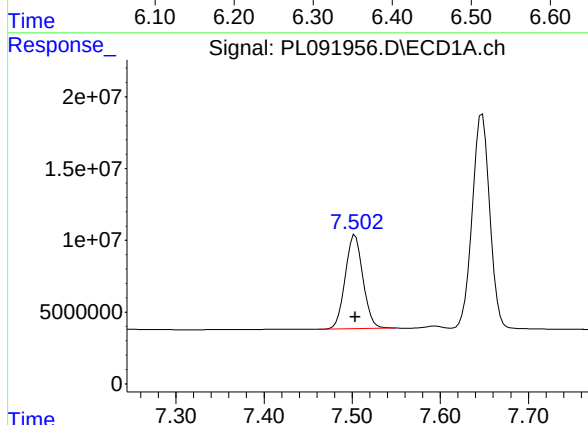
R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 182044378
Conc: 98.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



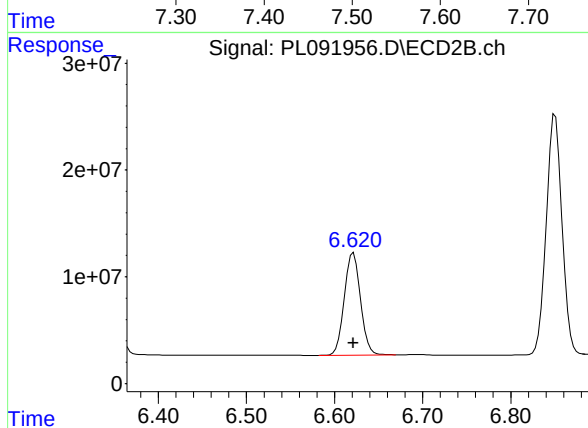
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 244280527
Conc: 100.83 ng/ml



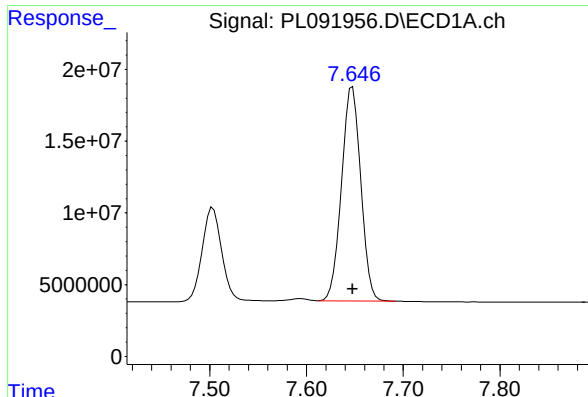
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 91373843
Conc: 97.84 ng/ml



#20 Methoxychlor

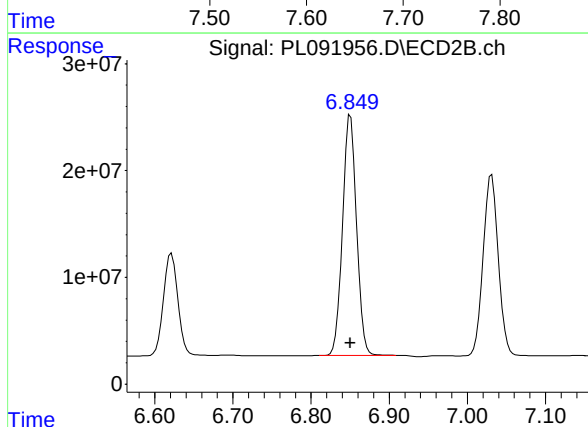
R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 122803176
Conc: 99.75 ng/ml



#21 Endrin ketone

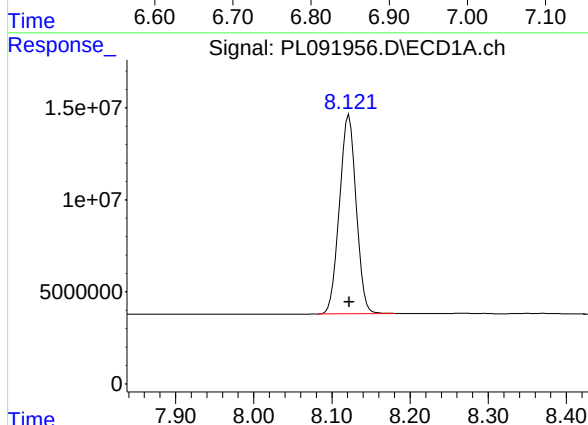
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 205556793
Conc: 98.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



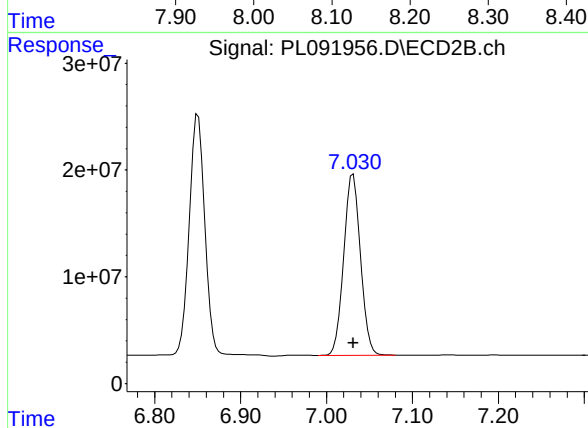
#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 281158391
Conc: 100.59 ng/ml



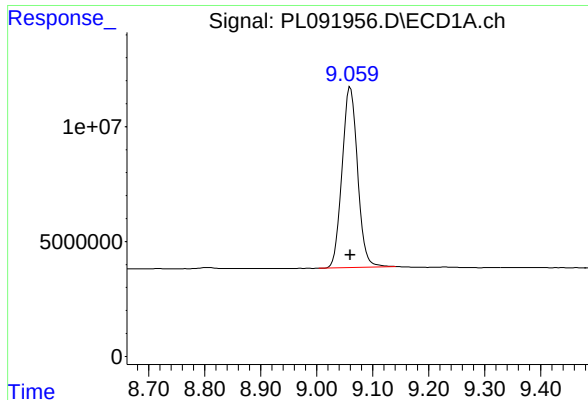
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.000 min
Response: 160940594
Conc: 97.01 ng/ml



#22 Mirex

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 228312637
Conc: 98.71 ng/ml

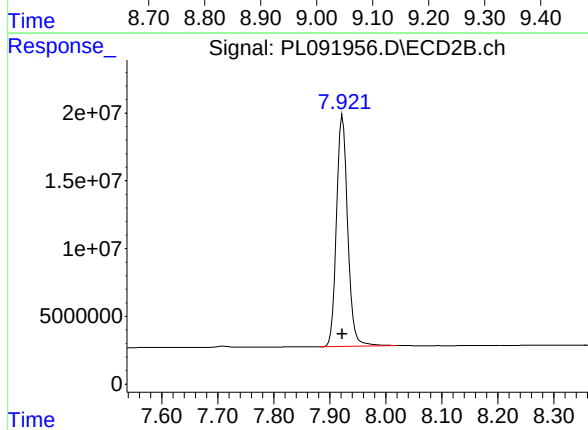


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 151417529
Conc: 97.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 237434484
Conc: 98.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 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: Sep 23 12:41:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	159.4E6	187.3E6	74.726	74.744
28) SA Decachlor...	9.060	7.924	116.0E6	180.0E6	74.800	74.962
Target Compounds						
2) A alpha-BHC	3.999	3.286	225.8E6	284.0E6	74.655	74.640
3) MA gamma-BHC...	4.332	3.616	221.1E6	272.2E6	74.643	74.349
4) MA Heptachlor	4.921	3.955	193.6E6	257.6E6	74.508	74.161
5) MB Aldrin	5.263	4.235	195.5E6	259.2E6	74.349	74.269
6) B beta-BHC	4.530	3.915	92650426	108.6E6	74.347	74.115
7) B delta-BHC	4.777	4.145	206.8E6	268.5E6	74.062	74.471
8) B Heptachlo...	5.689	4.739	181.5E6	224.8E6	75.762	74.095
9) A Endosulfan I	6.074	5.108	161.4E6	205.2E6	74.409	74.223
10) B gamma-Chl...	5.945	4.988	172.9E6	226.5E6	74.253	74.159
11) B alpha-Chl...	6.024	5.052	172.6E6	223.8E6	74.395	74.108
12) B 4,4'-DDE	6.197	5.241	153.4E6	211.6E6	74.435	74.206
13) MA Dieldrin	6.349	5.373	171.9E6	223.4E6	74.506	74.360
14) MA Endrin	6.579	5.648	145.1E6	198.2E6	74.433	74.393
15) B Endosulfa...	6.798	5.943	150.5E6	187.3E6	74.463	74.283
16) A 4,4'-DDD	6.714	5.796	123.5E6	163.3E6	74.434	74.400
17) MA 4,4'-DDT	7.028	6.047	130.2E6	177.8E6	74.751	74.550
18) B Endrin al...	6.929	6.122	120.3E6	150.3E6	74.659	74.427
19) B Endosulfa...	7.163	6.345	137.7E6	178.7E6	74.505	74.166
20) A Methoxychlor	7.504	6.622	69521260	91706580	74.624	74.662
21) B Endrin ke...	7.648	6.851	154.4E6	207.5E6	74.467	74.480
22) Mirex	8.121	7.032	123.8E6	172.9E6	74.728	74.836

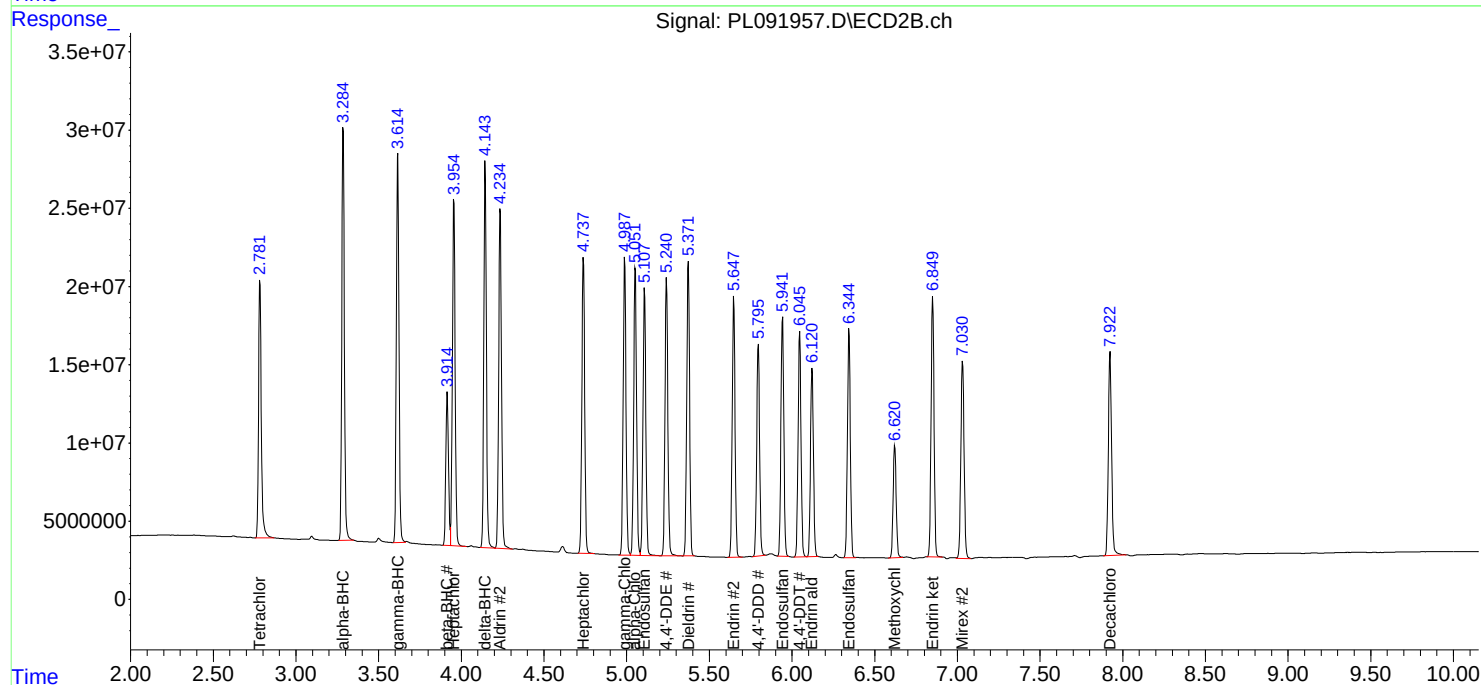
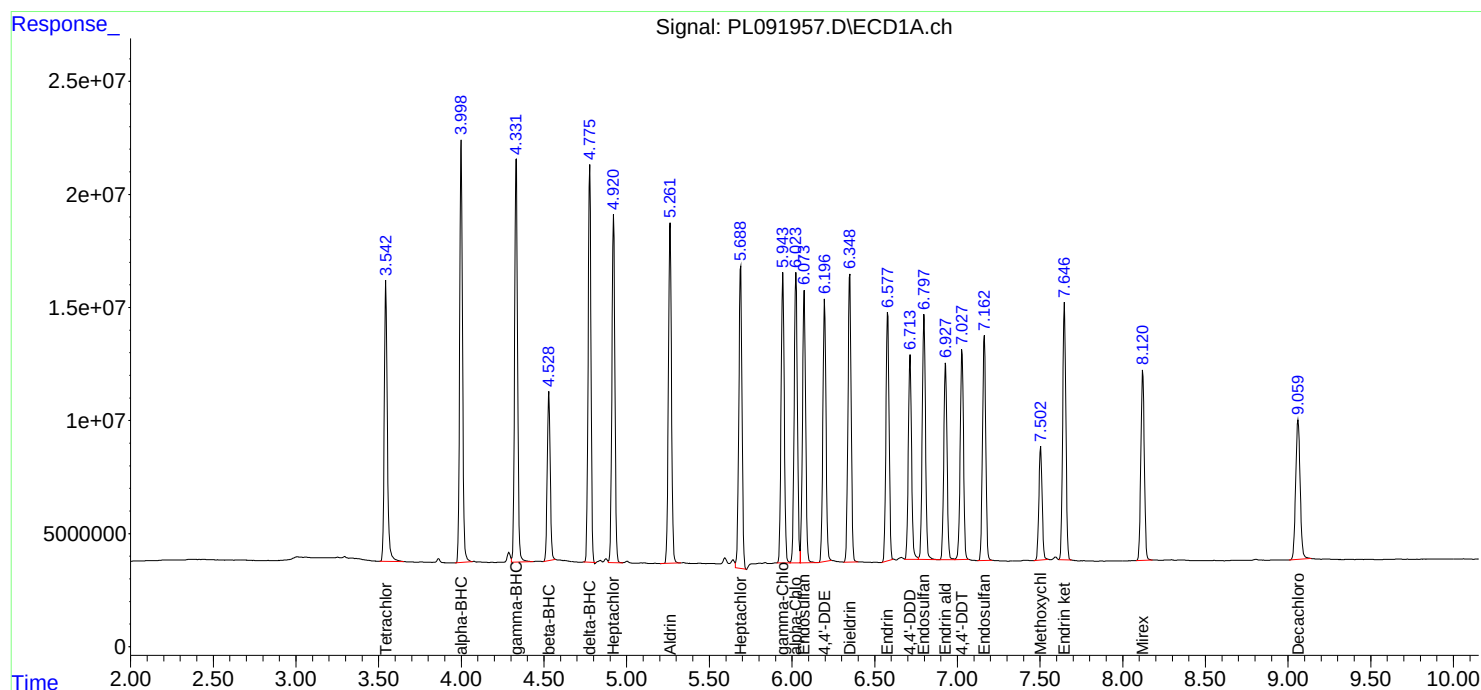
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

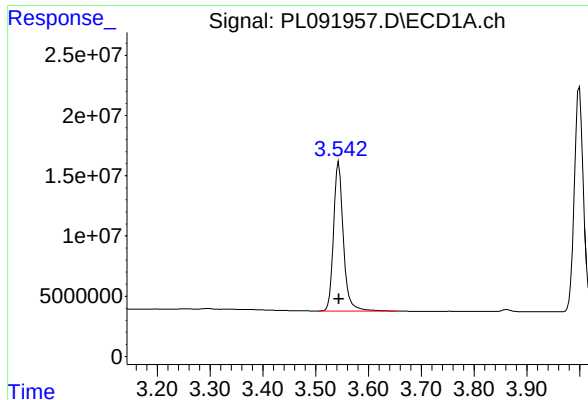
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:41:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

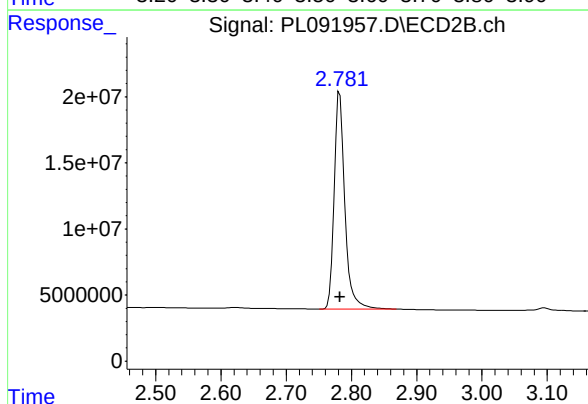




#1 Tetrachloro-m-xylene

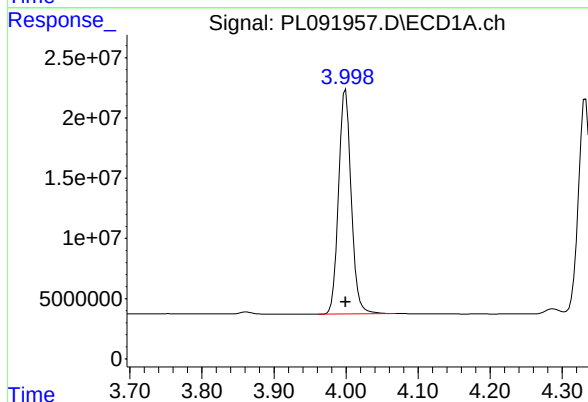
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 159395038
Conc: 74.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



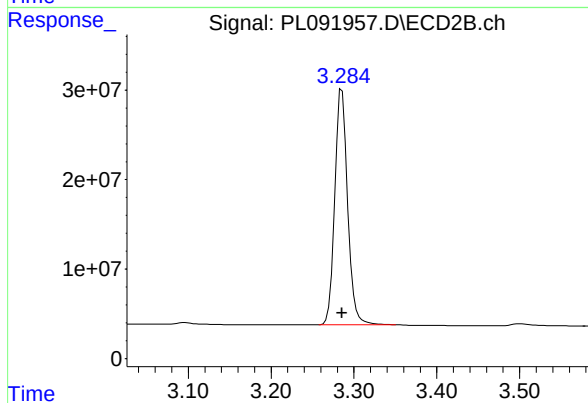
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 187332107
Conc: 74.74 ng/ml



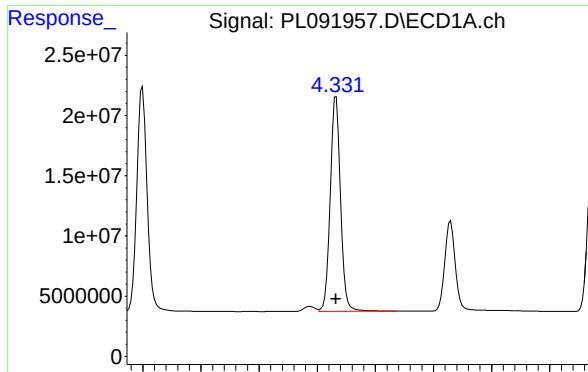
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 225774517
Conc: 74.66 ng/ml



#2 alpha-BHC

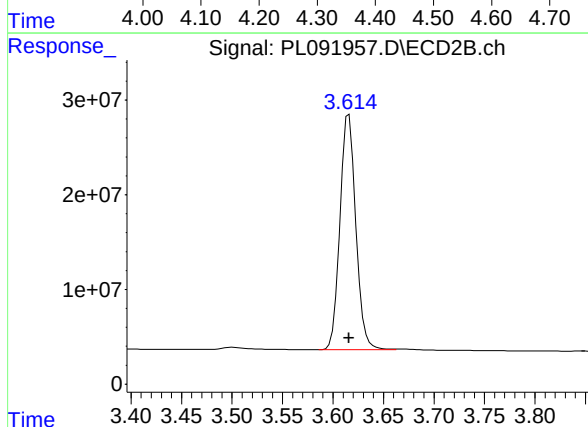
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 283982692
Conc: 74.64 ng/ml



#3 gamma-BHC (Lindane)

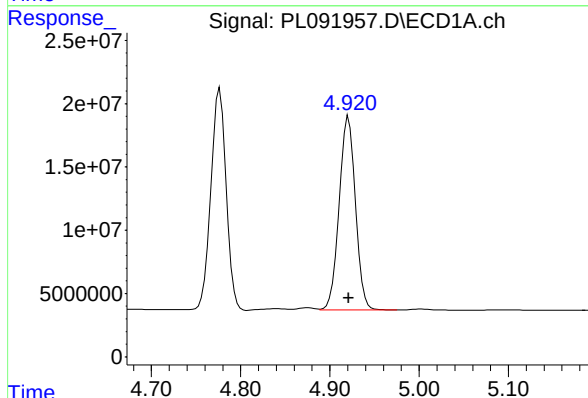
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 221144683
Conc: 74.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



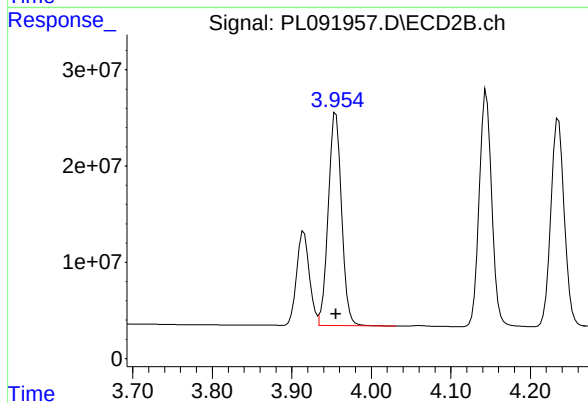
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 272181750
Conc: 74.35 ng/ml



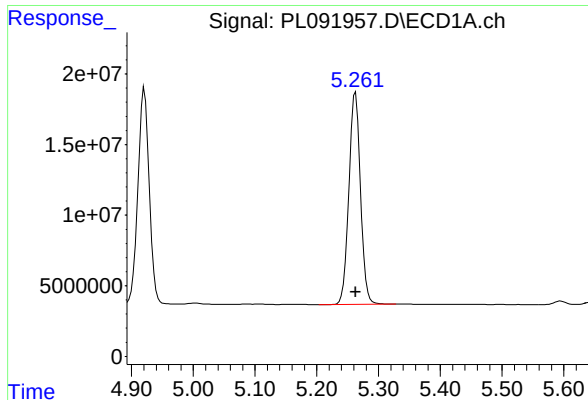
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 193635895
Conc: 74.51 ng/ml



#4 Heptachlor

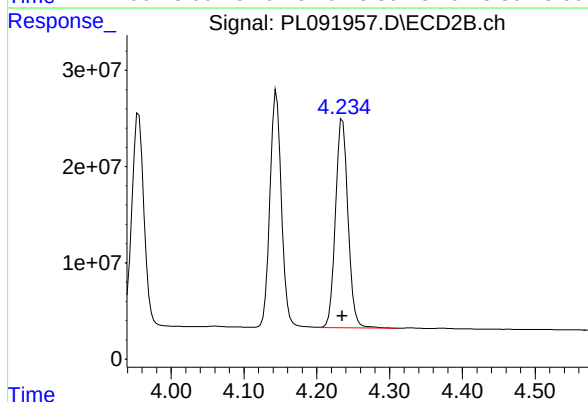
R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 257576151
Conc: 74.16 ng/ml



#5 Aldrin

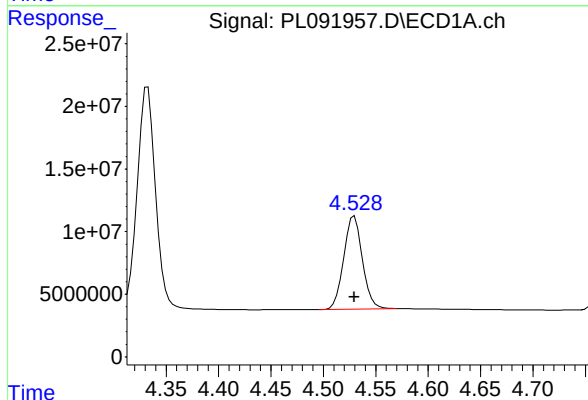
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 195538700
Conc: 74.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



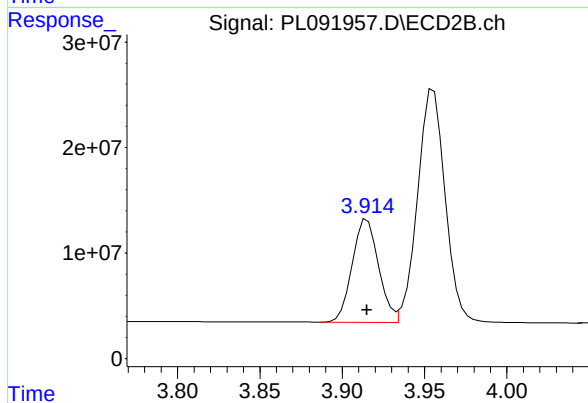
#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 259160854
Conc: 74.27 ng/ml



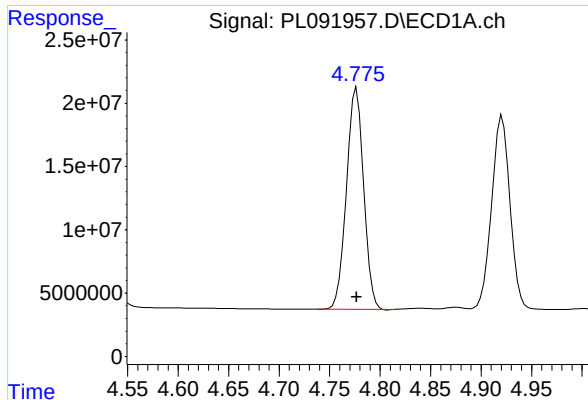
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.000 min
Response: 92650426
Conc: 74.35 ng/ml



#6 beta-BHC

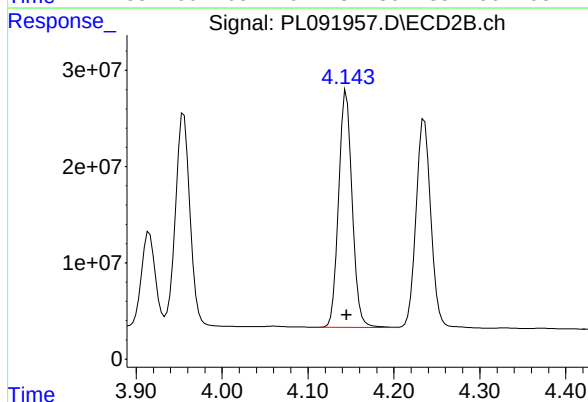
R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 108632777
Conc: 74.11 ng/ml



#7 delta-BHC

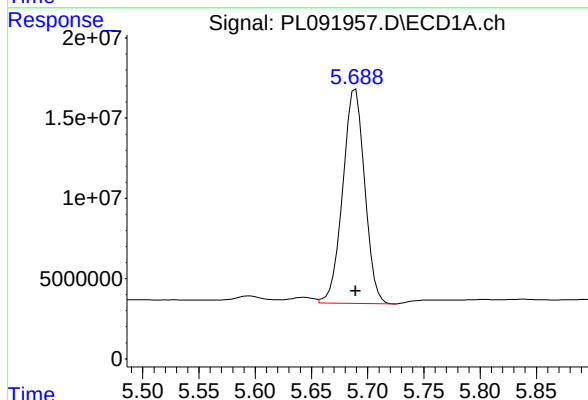
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 206819582
Conc: 74.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



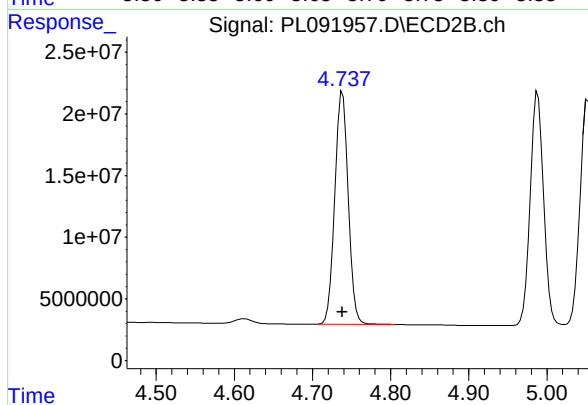
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 268475360
Conc: 74.47 ng/ml



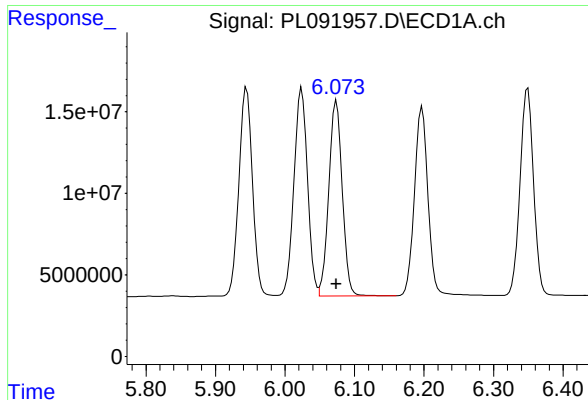
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 181455894
Conc: 75.76 ng/ml



#8 Heptachlor epoxide

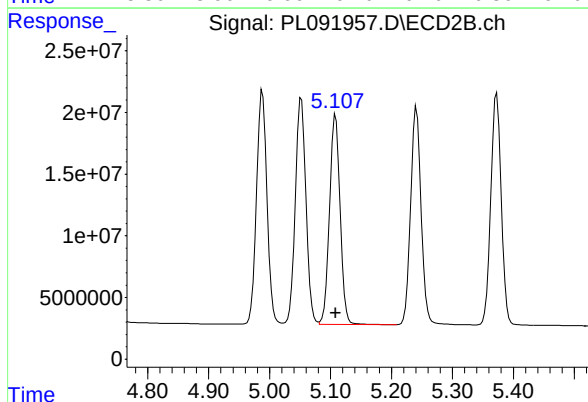
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 224754769
Conc: 74.09 ng/ml



#9 Endosulfan I

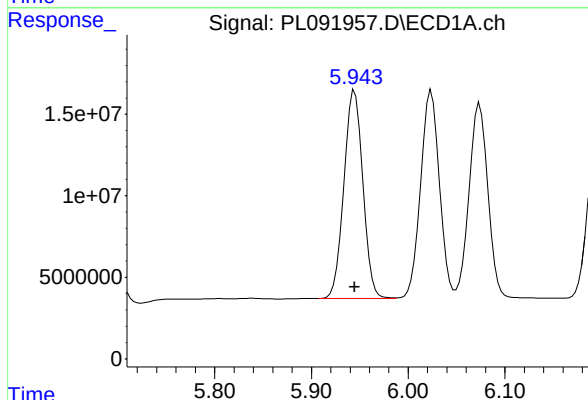
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 161437306
Conc: 74.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



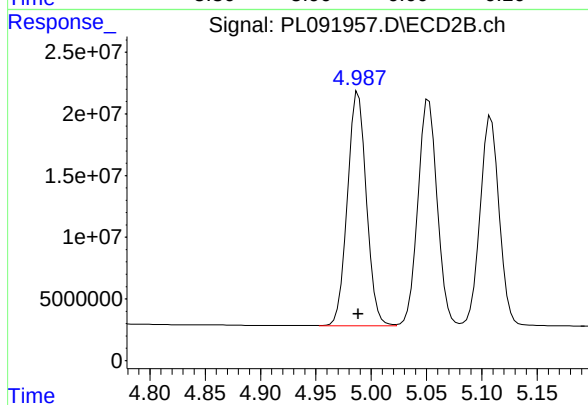
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 205187054
Conc: 74.22 ng/ml



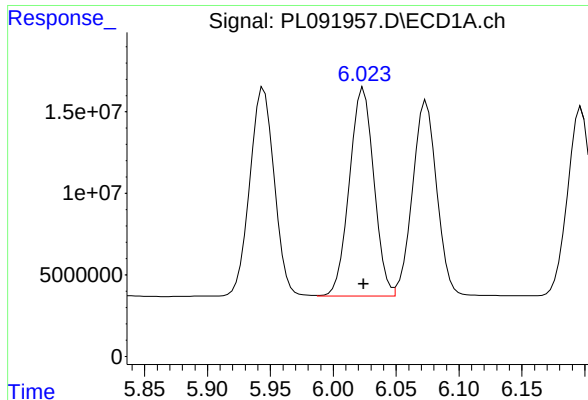
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 172926382
Conc: 74.25 ng/ml



#10 gamma-Chlordane

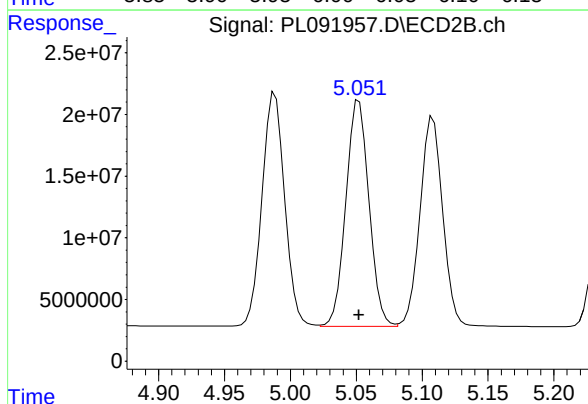
R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 226543912
Conc: 74.16 ng/ml



#11 alpha-Chlordane

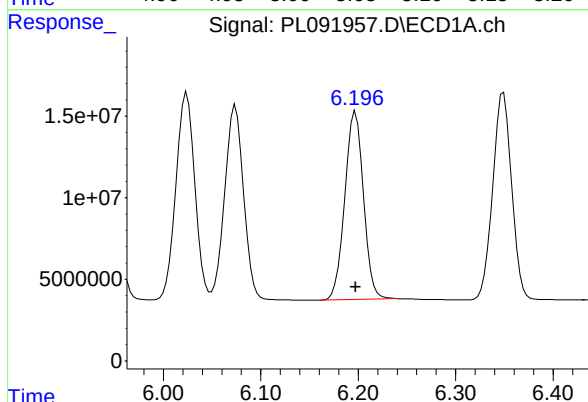
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 172639381
Conc: 74.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



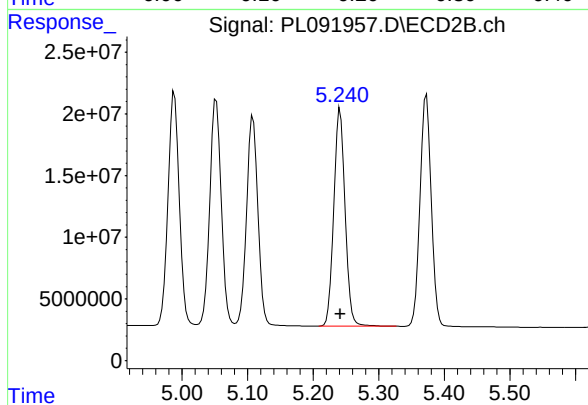
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 223797679
Conc: 74.11 ng/ml



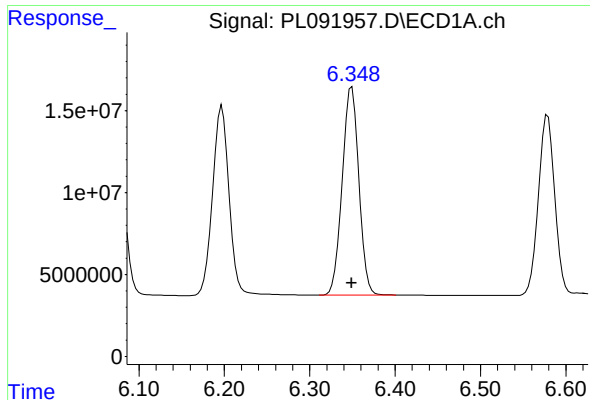
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 153443503
Conc: 74.44 ng/ml



#12 4,4'-DDE

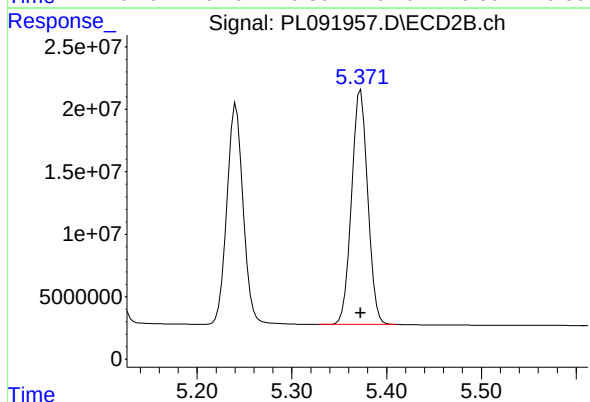
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 211620545
Conc: 74.21 ng/ml



#13 Dieldrin

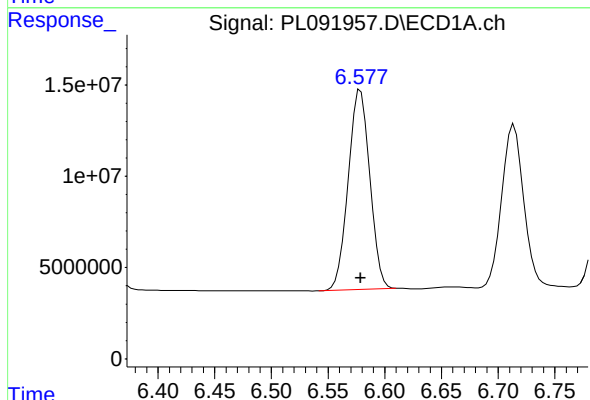
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 171909990
Conc: 74.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



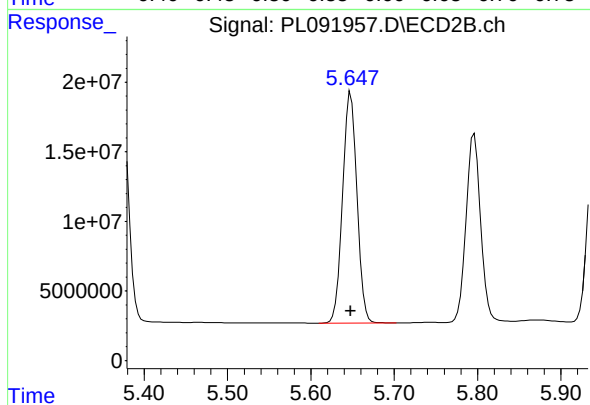
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 223352968
Conc: 74.36 ng/ml



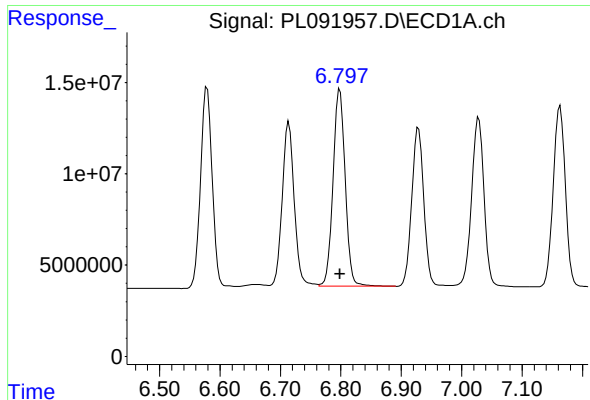
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 145062887
Conc: 74.43 ng/ml



#14 Endrin

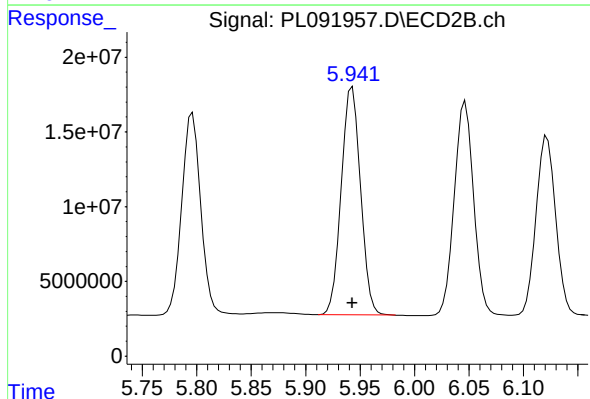
R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 198163707
Conc: 74.39 ng/ml



#15 Endosulfan II

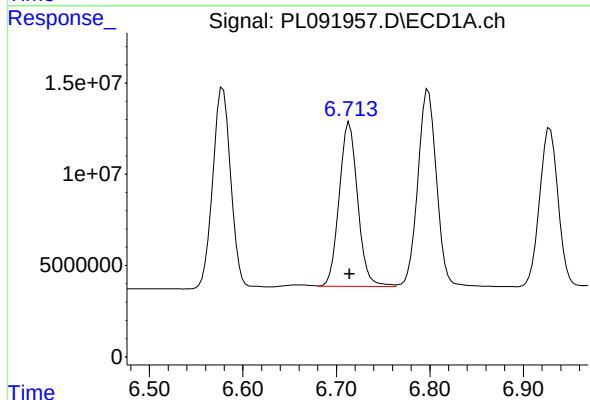
R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 150467732
Conc: 74.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



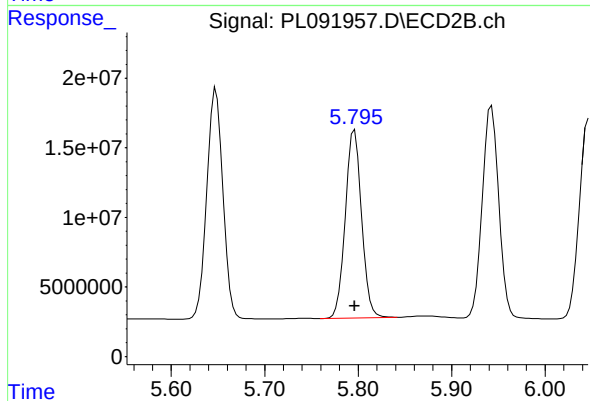
#15 Endosulfan II

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 187328956
Conc: 74.28 ng/ml



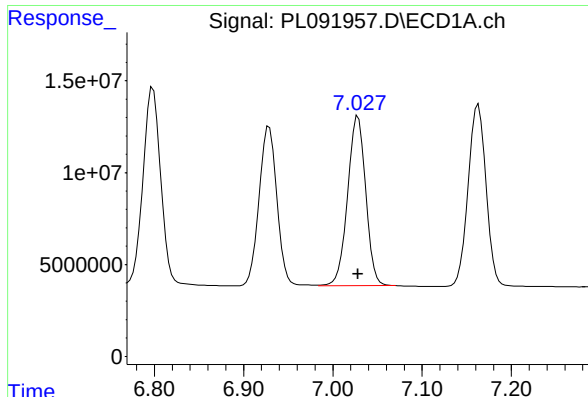
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 123540890
Conc: 74.43 ng/ml



#16 4,4'-DDD

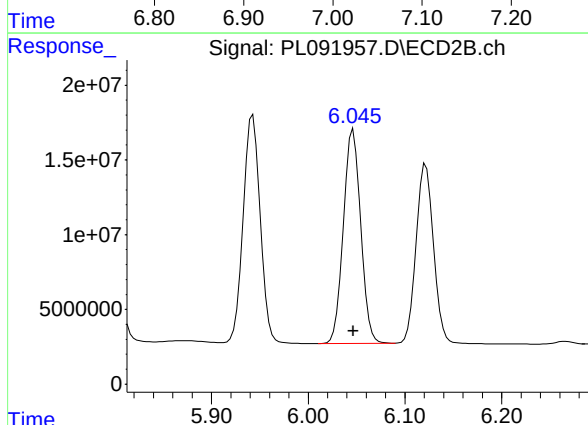
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 163324537
Conc: 74.40 ng/ml



#17 4,4'-DDT

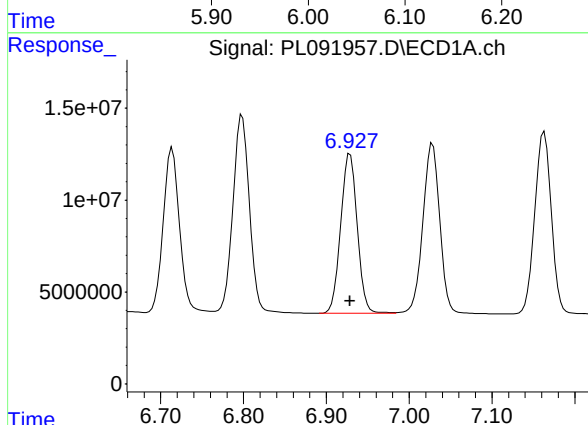
R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 130153528
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



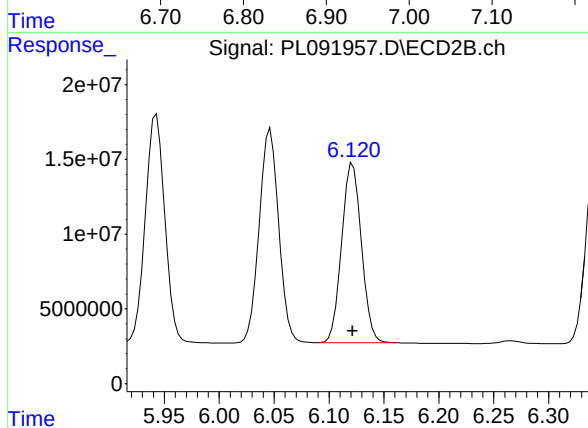
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 177837328
Conc: 74.55 ng/ml



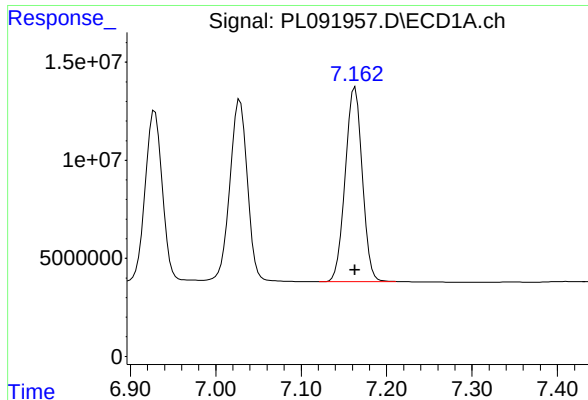
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 120331913
Conc: 74.66 ng/ml



#18 Endrin aldehyde

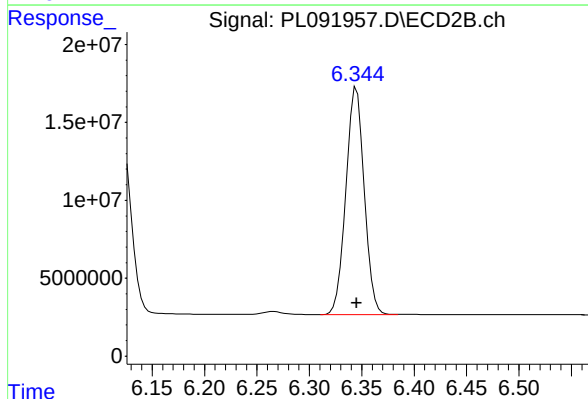
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 150336213
Conc: 74.43 ng/ml



#19 Endosulfan Sulfate

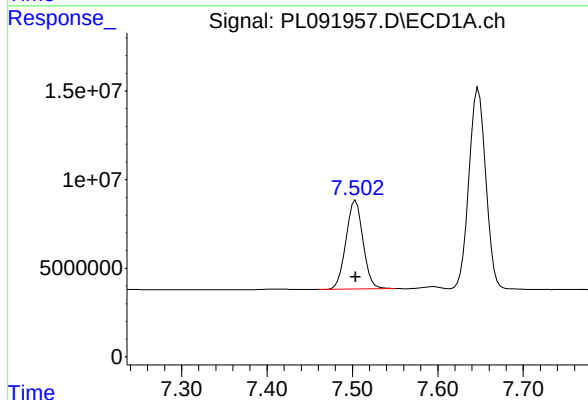
R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 137746447
Conc: 74.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



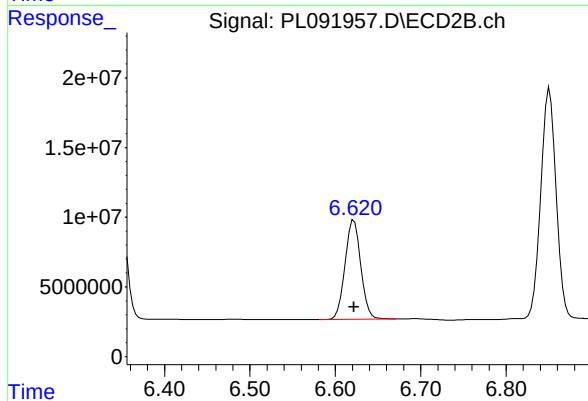
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 178687127
Conc: 74.17 ng/ml



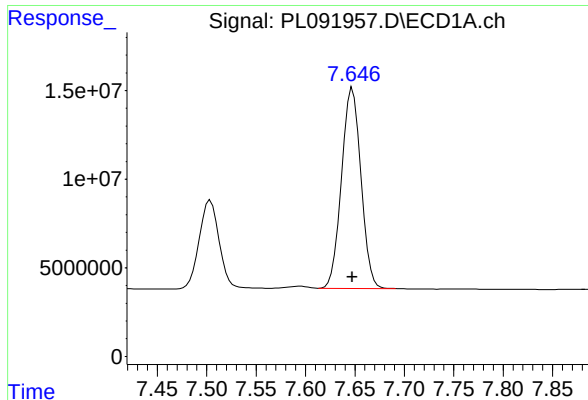
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 69521260
Conc: 74.62 ng/ml



#20 Methoxychlor

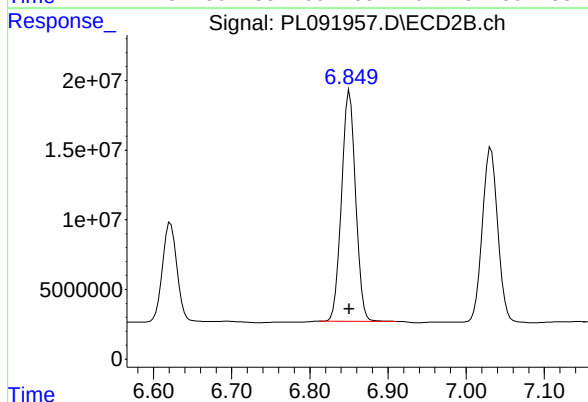
R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 91706580
Conc: 74.66 ng/ml



#21 Endrin ketone

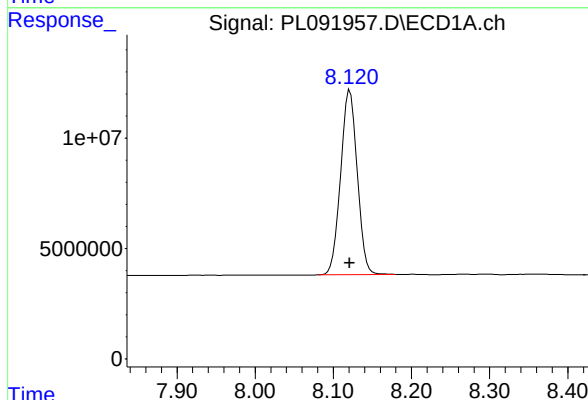
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 154353040
Conc: 74.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



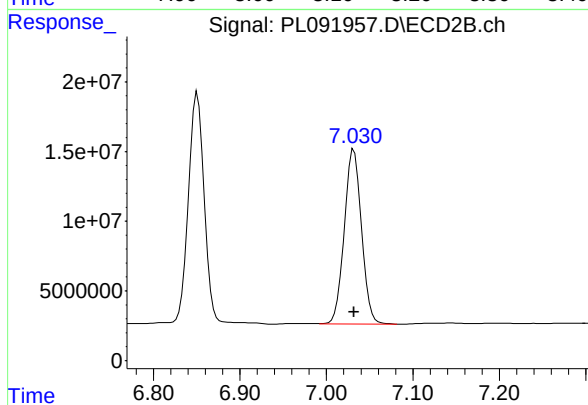
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 207467282
Conc: 74.48 ng/ml



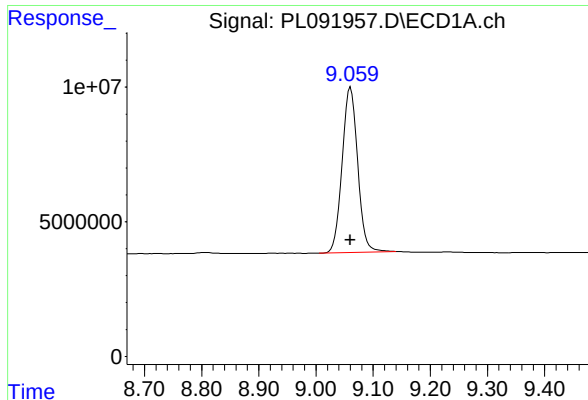
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 123756390
Conc: 74.73 ng/ml



#22 Mirex

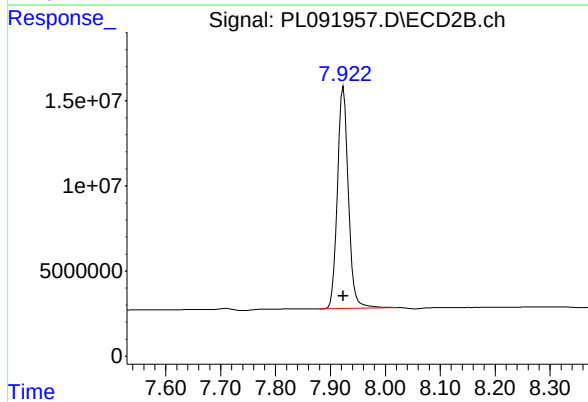
R.T.: 7.032 min
Delta R.T.: 0.000 min
Response: 172901025
Conc: 74.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 115971826
Conc: 74.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 179969944
Conc: 74.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 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: Sep 23 12:36:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	107.3E6	123.8E6	50.000	50.000
28) SA Decachlor...	9.060	7.923	79539342	121.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.999	3.286	149.3E6	184.5E6	50.000	50.000
3) MA gamma-BHC...	4.332	3.616	147.5E6	178.9E6	50.000	50.000
4) MA Heptachlor	4.920	3.955	131.2E6	171.6E6	50.000	50.000
5) MB Aldrin	5.263	4.235	132.1E6	171.0E6	50.000	50.000
6) B beta-BHC	4.529	3.915	63477159	73292412	50.000	50.000
7) B delta-BHC	4.777	4.145	138.9E6	175.5E6	50.000	50.000
8) B Heptachlo...	5.689	4.738	120.5E6	150.6E6	50.000	50.000
9) A Endosulfan I	6.075	5.108	110.4E6	137.1E6	50.000	50.000
10) B gamma-Chl...	5.945	4.988	117.9E6	150.4E6	50.000	50.000
11) B alpha-Chl...	6.024	5.052	117.7E6	149.5E6	50.000	50.000
12) B 4,4'-DDE	6.197	5.241	103.6E6	139.8E6	50.000	50.000
13) MA Dieldrin	6.349	5.372	116.5E6	147.4E6	50.000	50.000
14) MA Endrin	6.579	5.648	98582726	131.2E6	50.000	50.000
15) B Endosulfa...	6.798	5.942	103.2E6	125.3E6	50.000	50.000
16) A 4,4'-DDD	6.714	5.796	83925087	107.0E6	50.000	50.000
17) MA 4,4'-DDT	7.028	6.046	87708743	116.5E6	50.000	50.000
18) B Endrin al...	6.928	6.122	82365868	101.0E6	50.000	50.000
19) B Endosulfa...	7.163	6.344	94470405	120.1E6	50.000	50.000
20) A Methoxychlor	7.504	6.621	47708430	61703976	50.000	50.000
21) B Endrin ke...	7.648	6.850	105.2E6	138.9E6	50.000	50.000
22) Mirex	8.121	7.031	85437944	117.1E6	50.000	50.000

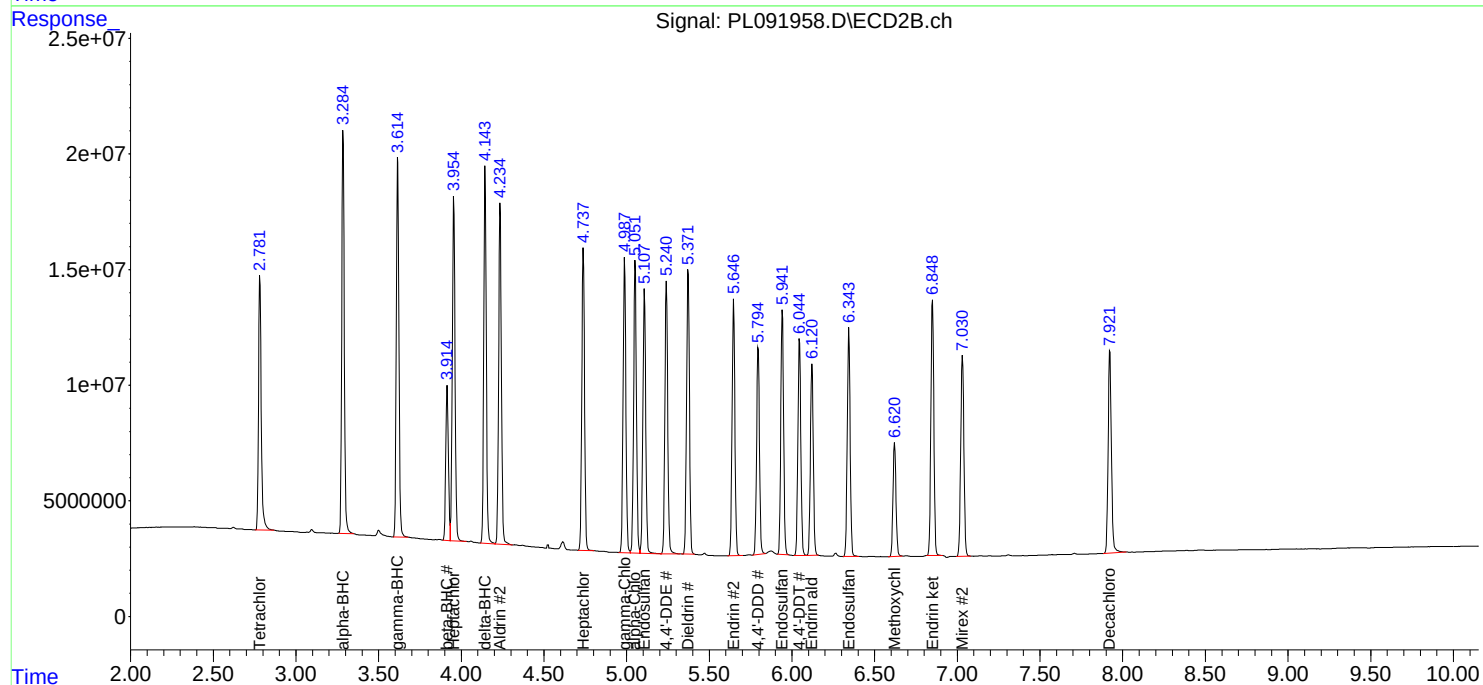
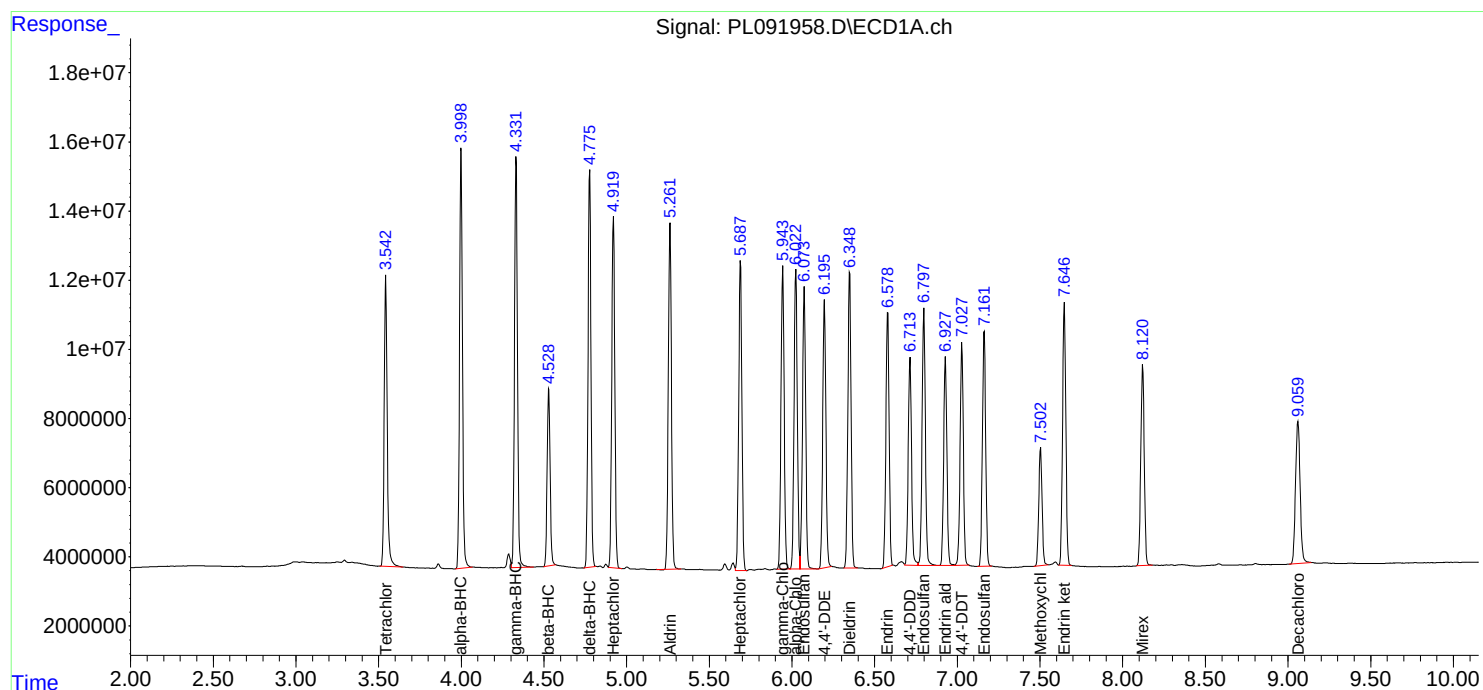
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

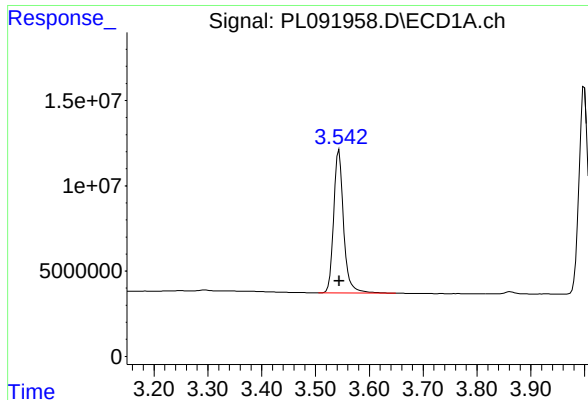
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:36:33 2024
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

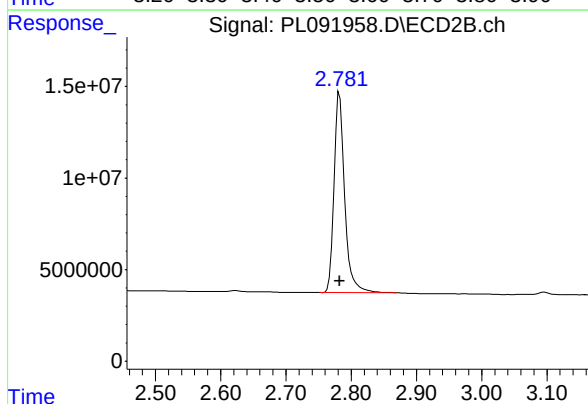




#1 Tetrachloro-m-xylene

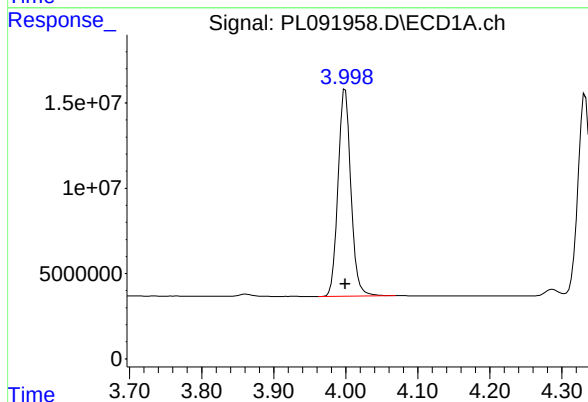
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 107271908
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



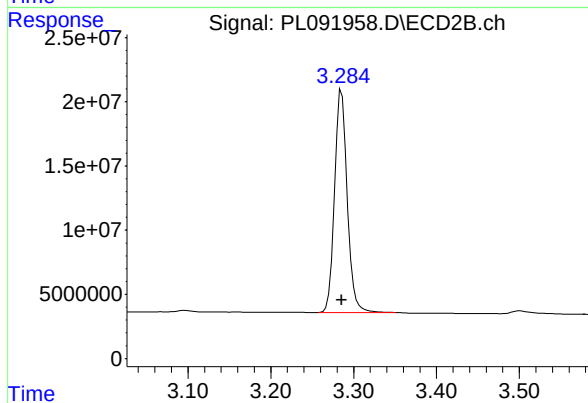
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 123833671
Conc: 50.00 ng/ml



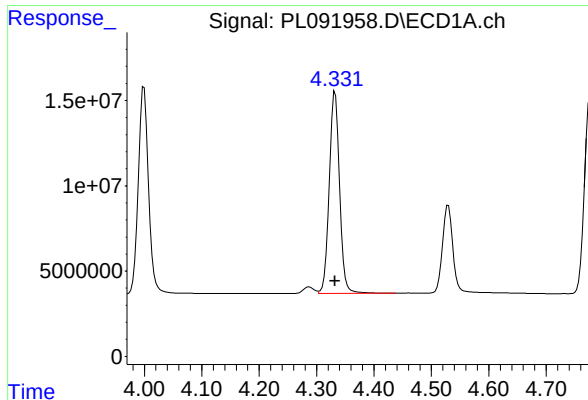
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 149285848
Conc: 50.00 ng/ml



#2 alpha-BHC

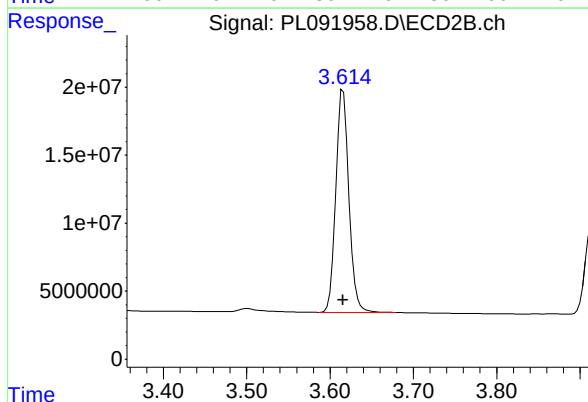
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 184503257
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

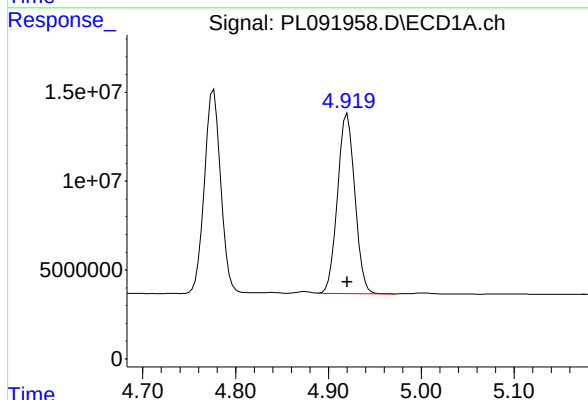
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 147455261
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



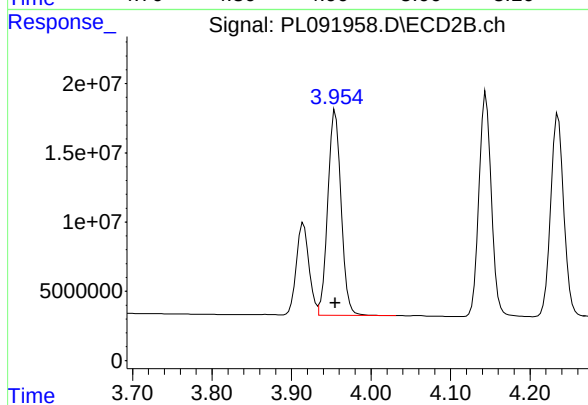
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 178891113
Conc: 50.00 ng/ml



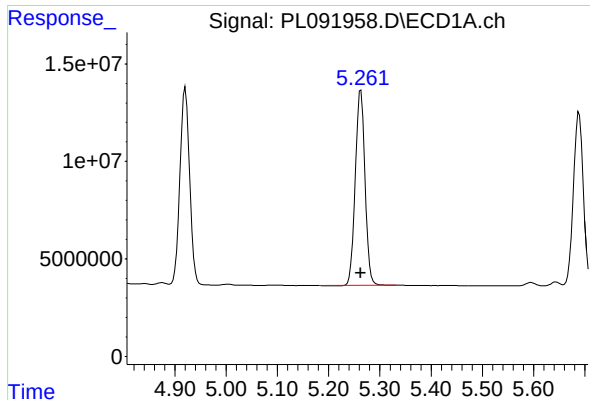
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 131213735
Conc: 50.00 ng/ml



#4 Heptachlor

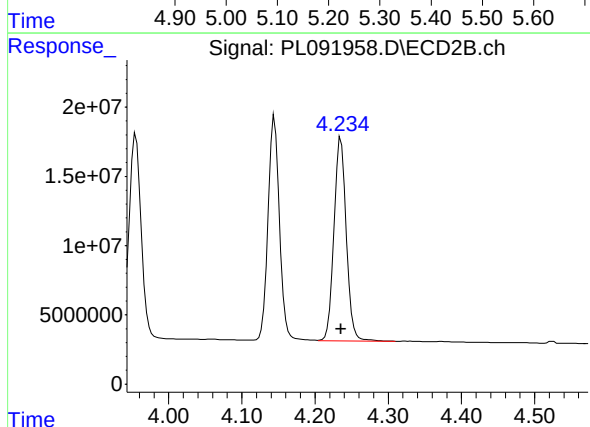
R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 171574520
Conc: 50.00 ng/ml



#5 Aldrin

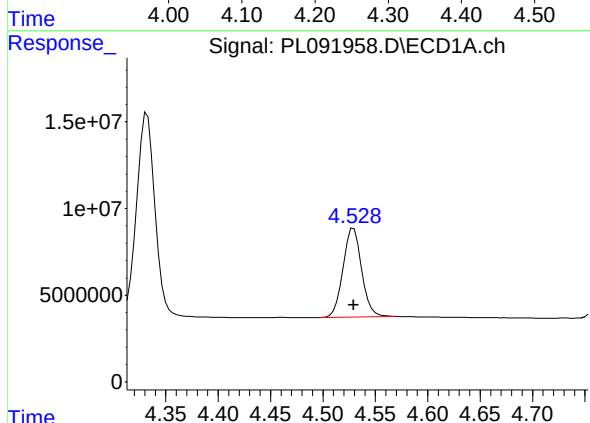
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 132091357
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



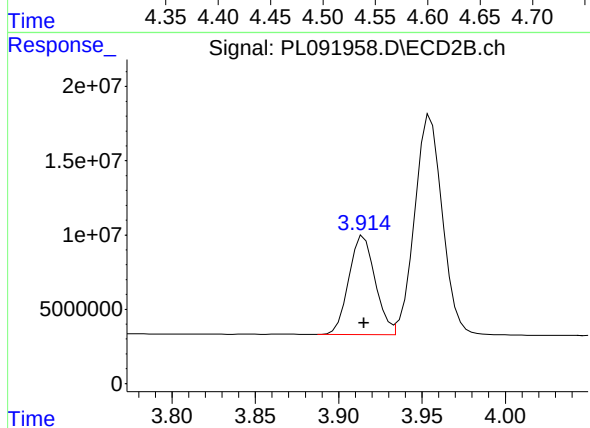
#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 170981605
Conc: 50.00 ng/ml



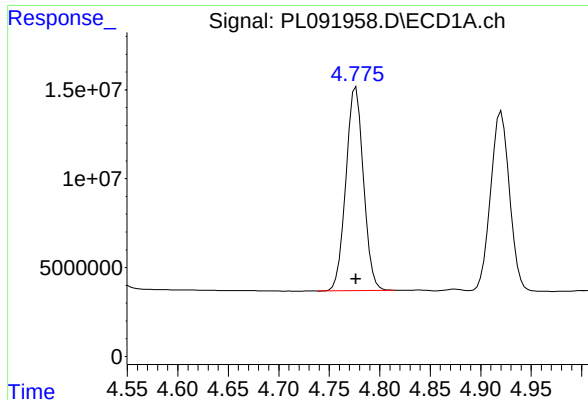
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 63477159
Conc: 50.00 ng/ml



#6 beta-BHC

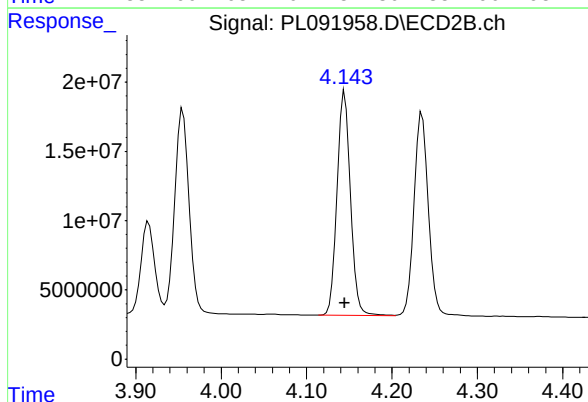
R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 73292412
Conc: 50.00 ng/ml



#7 delta-BHC

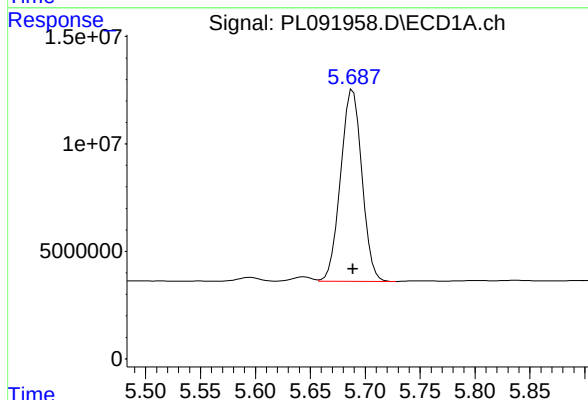
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 138938121
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



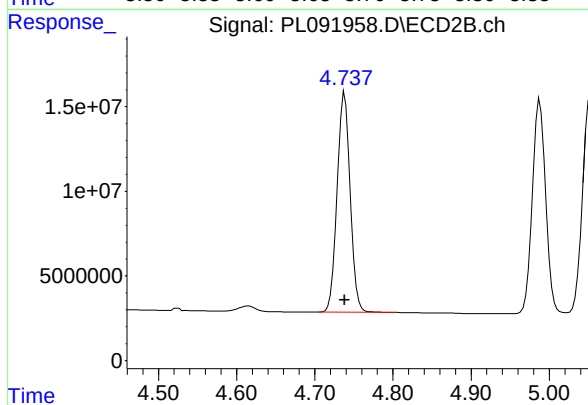
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 175465800
Conc: 50.00 ng/ml



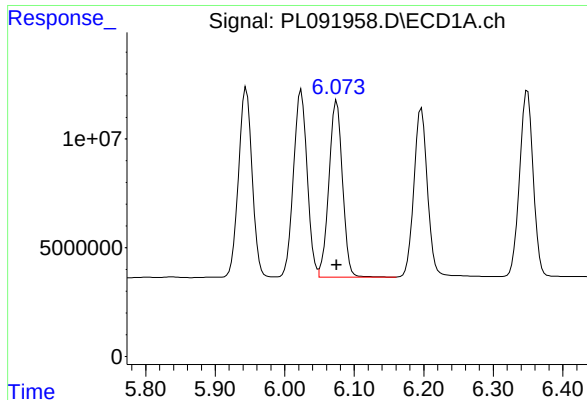
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 120530054
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

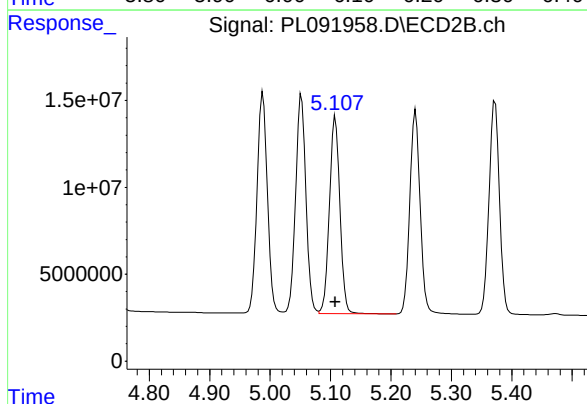
R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 150620562
Conc: 50.00 ng/ml



#9 Endosulfan I

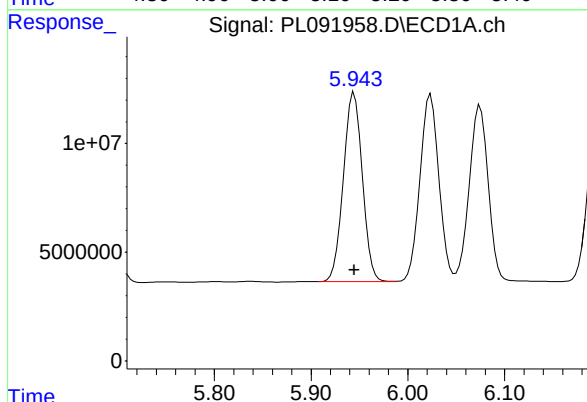
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 110364978
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



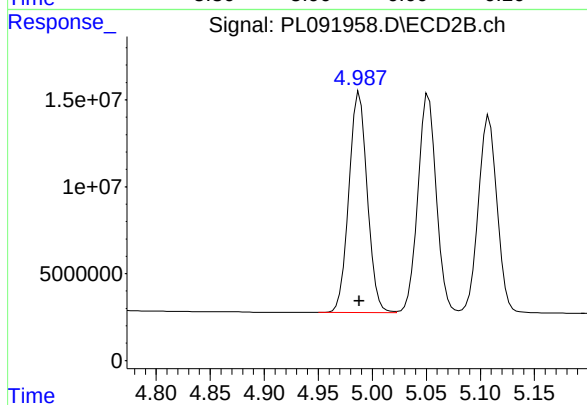
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 137068016
Conc: 50.00 ng/ml



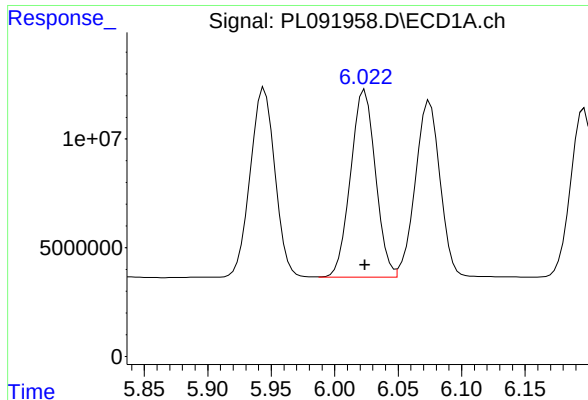
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 117872862
Conc: 50.00 ng/ml



#10 gamma-Chlordane

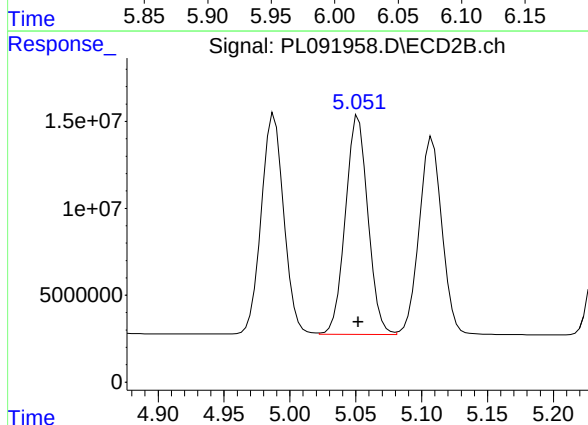
R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 150403178
Conc: 50.00 ng/ml



#11 alpha-Chlordane

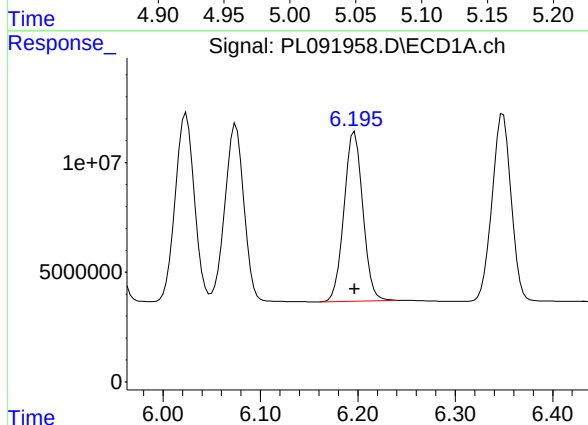
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 117698011
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



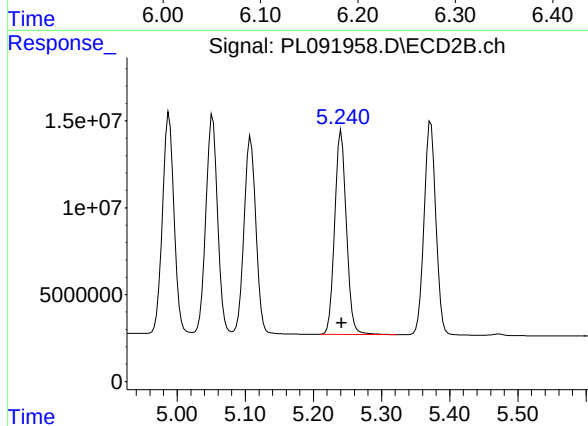
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 149515666
Conc: 50.00 ng/ml



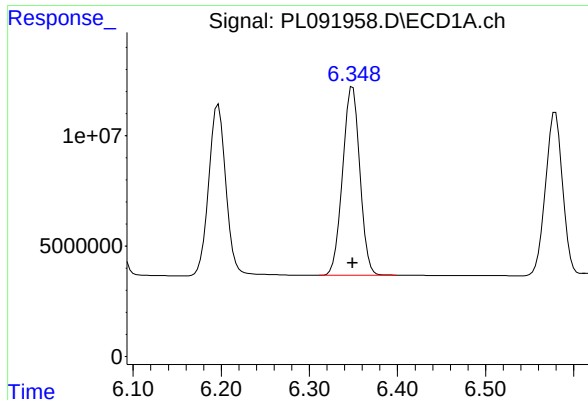
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 103591524
Conc: 50.00 ng/ml



#12 4,4'-DDE

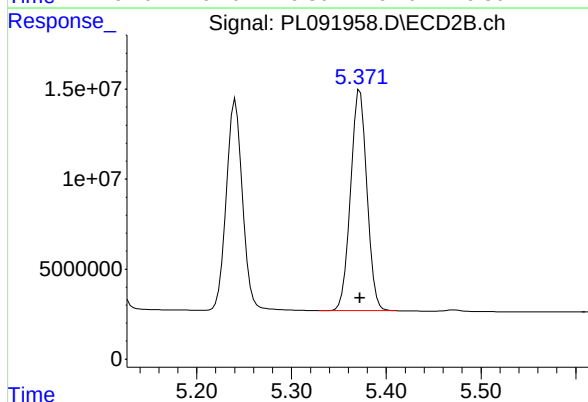
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 139829847
Conc: 50.00 ng/ml



#13 Dieldrin

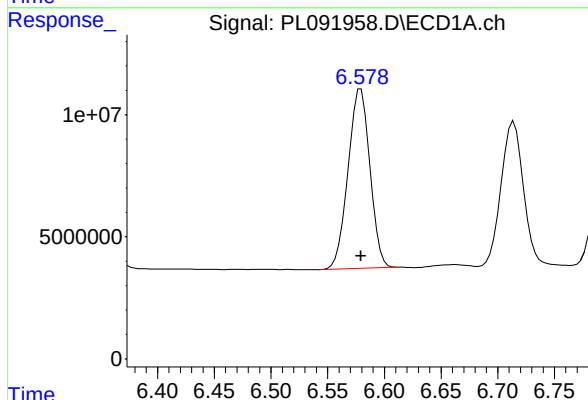
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 116479479
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



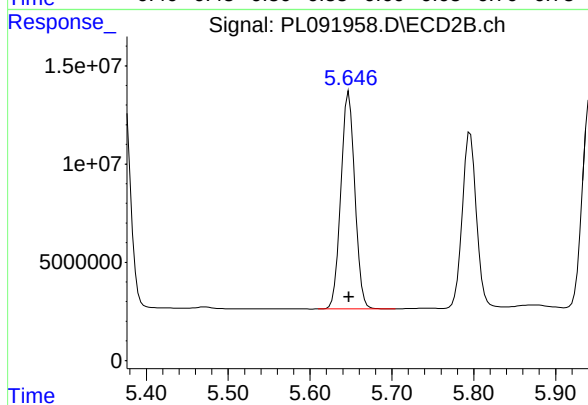
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 147359155
Conc: 50.00 ng/ml



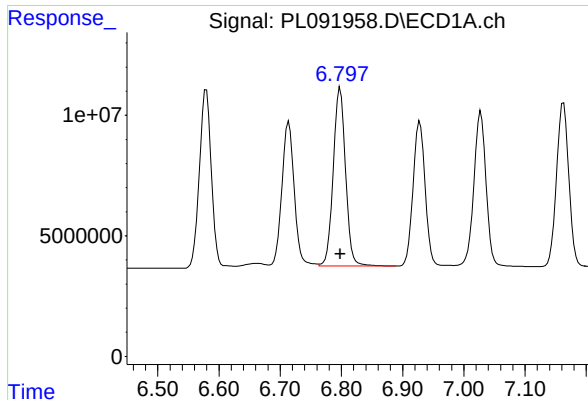
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 98582726
Conc: 50.00 ng/ml



#14 Endrin

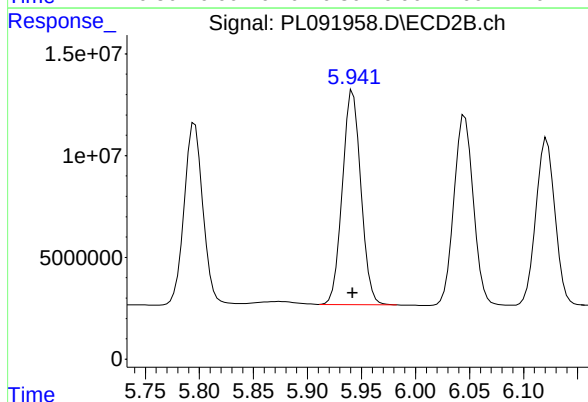
R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 131228630
Conc: 50.00 ng/ml



#15 Endosulfan II

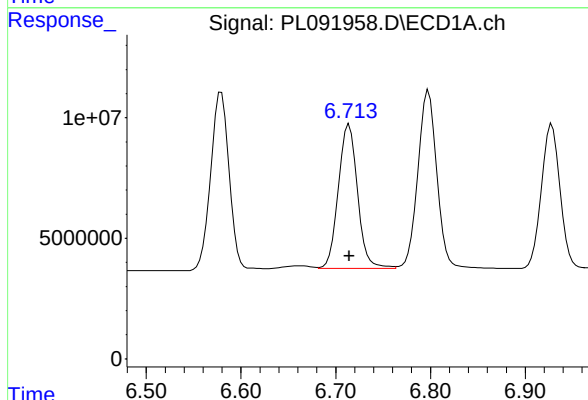
R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 103160112
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



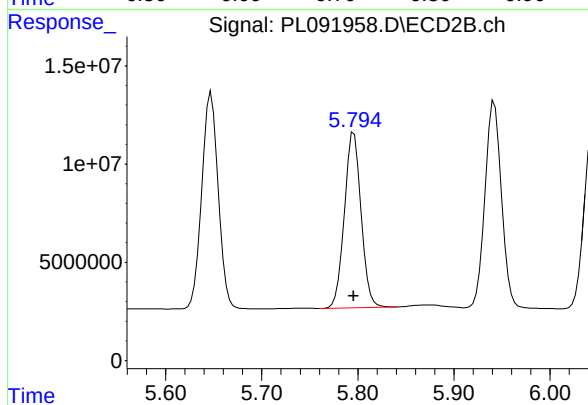
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 125327671
Conc: 50.00 ng/ml



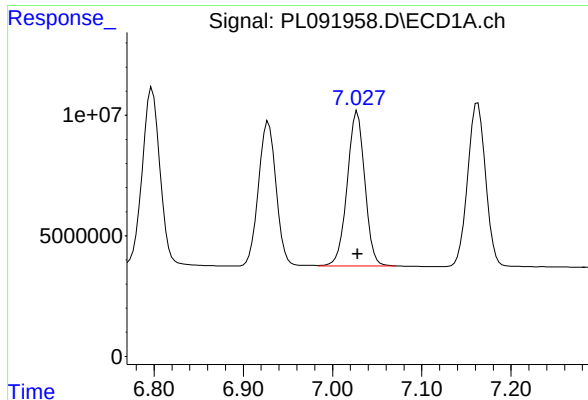
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 83925087
Conc: 50.00 ng/ml



#16 4,4'-DDD

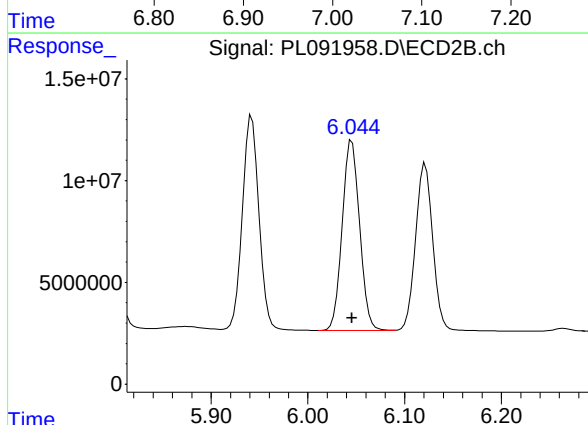
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 106992744
Conc: 50.00 ng/ml



#17 4,4'-DDT

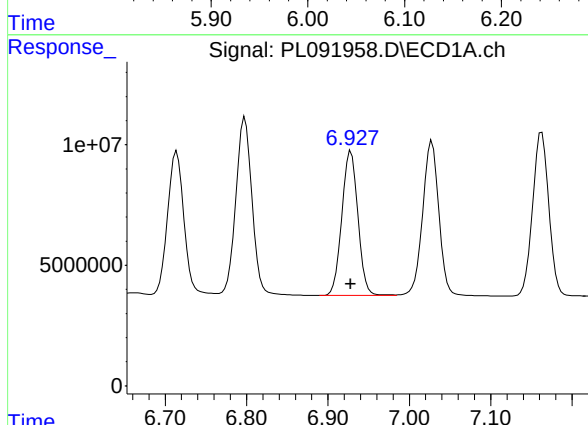
R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 87708743
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



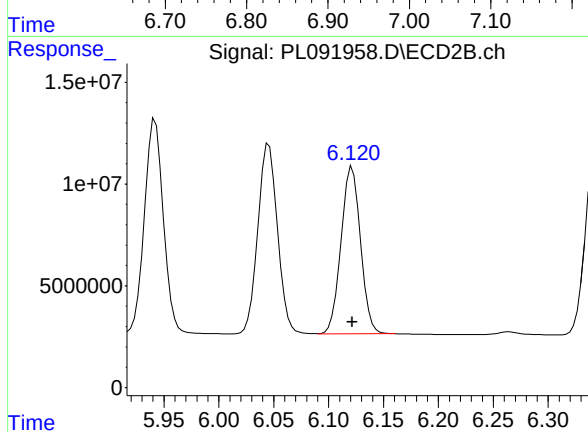
#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 116476772
Conc: 50.00 ng/ml



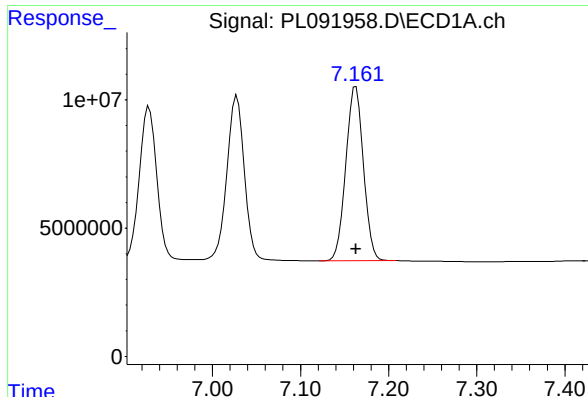
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 82365868
Conc: 50.00 ng/ml



#18 Endrin aldehyde

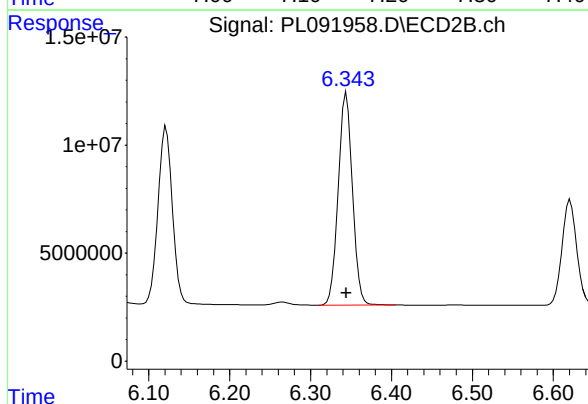
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 100998643
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

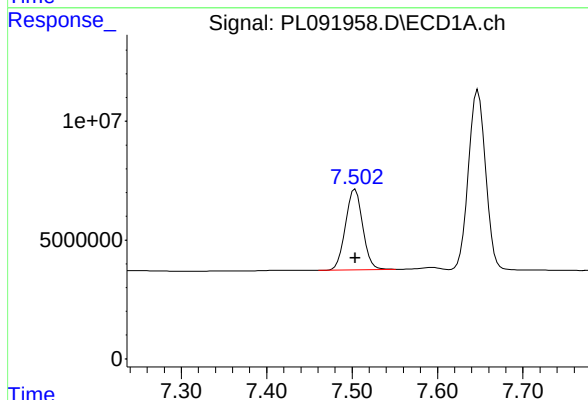
R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 94470405
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



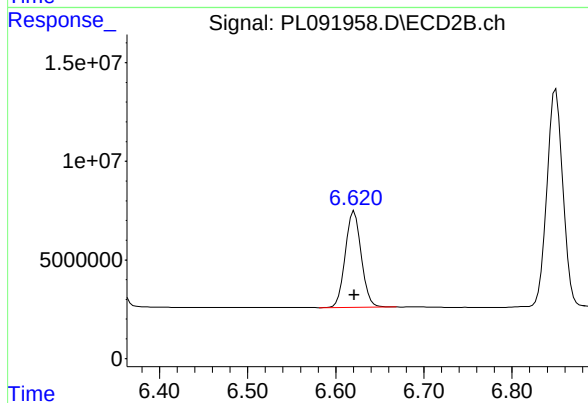
#19 Endosulfan Sulfate

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 120126007
Conc: 50.00 ng/ml



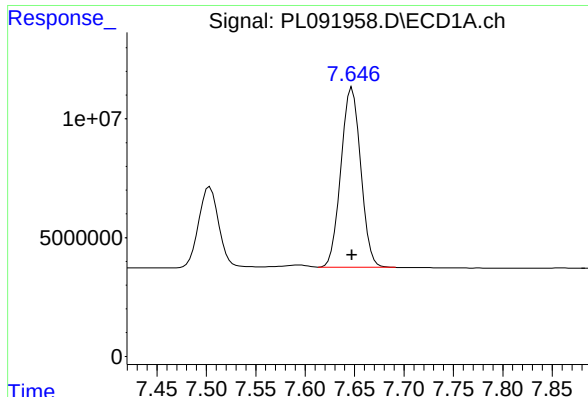
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 47708430
Conc: 50.00 ng/ml



#20 Methoxychlor

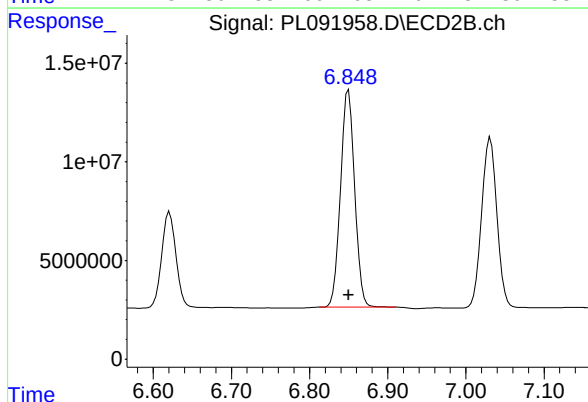
R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 61703976
Conc: 50.00 ng/ml



#21 Endrin ketone

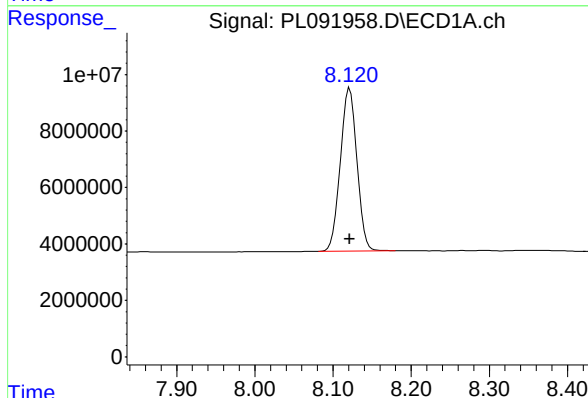
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 105235059
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



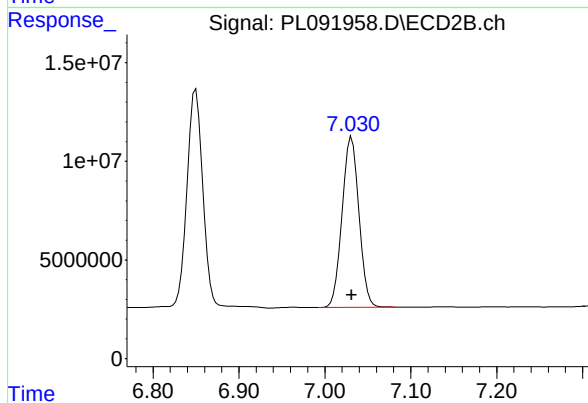
#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 138942194
Conc: 50.00 ng/ml



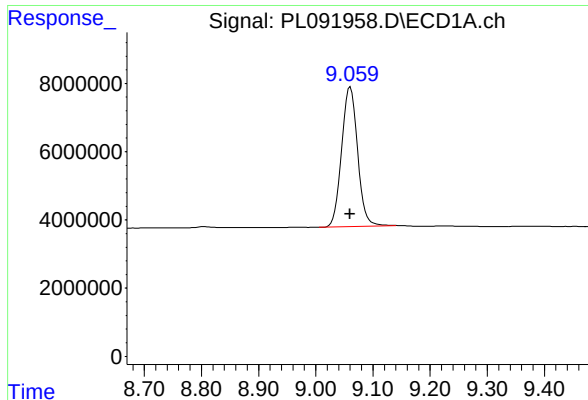
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 85437944
Conc: 50.00 ng/ml



#22 Mirex

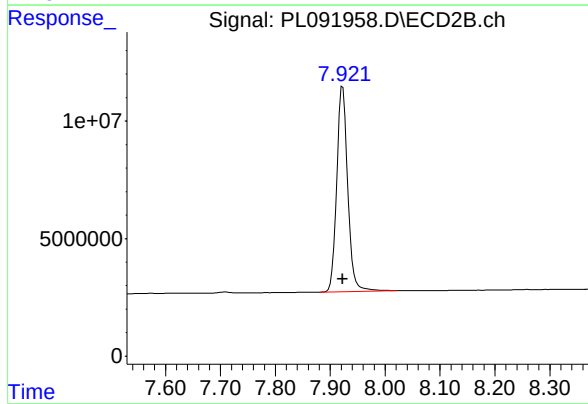
R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 117135847
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 79539342
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 121423717
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

Client SampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:43:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	54937010	59624711	25.562	24.081
28) SA Decachlor...	9.059	7.923	41073352	61966386	26.102	25.603
Target Compounds						
2) A alpha-BHC	3.999	3.286	74074890	85371658	24.618	23.028
3) MA gamma-BHC...	4.331	3.616	73865719	82813172	24.949	23.172
4) MA Heptachlor	4.920	3.955	68298152	80960696	25.948	23.711
5) MB Aldrin	5.262	4.236	67254977	79381808	25.427	23.273
6) B beta-BHC	4.529	3.915	32575804	35498092	25.846	24.409
7) B delta-BHC	4.776	4.145	69935067	80745917	25.033	22.996
8) B Heptachlo...	5.687	4.738	62343383	71825079	25.729m	23.996
9) A Endosulfan I	6.074	5.108	57087002	65341726	25.971	23.963
10) B gamma-Chl...	5.945	4.988	60585043	71022919	25.753	23.664
11) B alpha-Chl...	6.023	5.052	60598011	71035000	25.826	23.875
12) B 4,4'-DDE	6.197	5.241	52611782	65370544	25.389	23.409
13) MA Dieldrin	6.349	5.372	59510130	68975524	25.589	23.441
14) MA Endrin	6.579	5.648	50407587	61937887	25.643	23.666
15) B Endosulfa...	6.799	5.942	54023259	59969308	26.279	24.074
16) A 4,4'-DDD	6.714	5.796	43620120	49823326	25.949	23.231
17) MA 4,4'-DDT	7.028	6.046	45112797	54599950	25.676	23.382
18) B Endrin al...	6.928	6.121	43011520	49279615	26.244	24.545
19) B Endosulfa...	7.163	6.344	49193811	57864995	26.187	24.256
20) A Methoxychlor	7.503	6.621	24340566	30579607	25.836	24.922
21) B Endrin ke...	7.648	6.850	53814546	66992334	25.715	24.281
22) Mirex	8.121	7.031	45018343	60930117	26.603	26.015

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

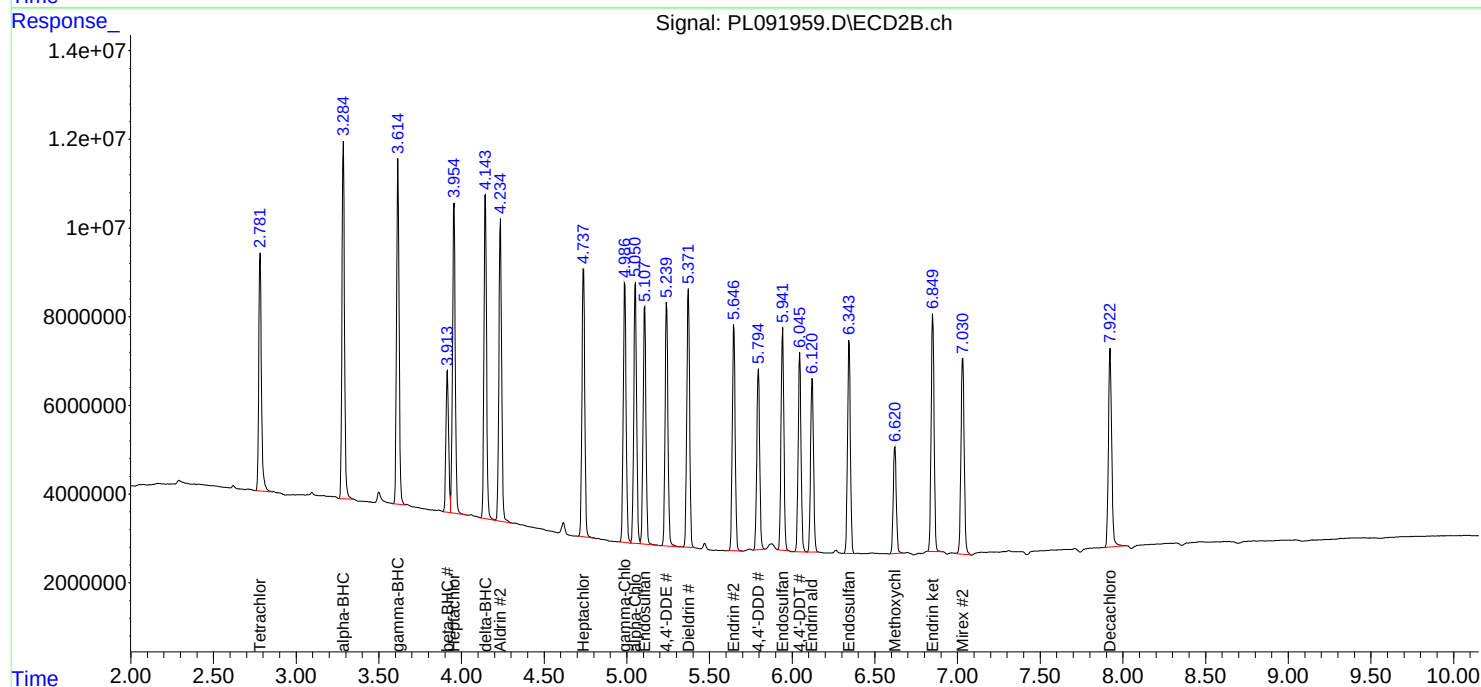
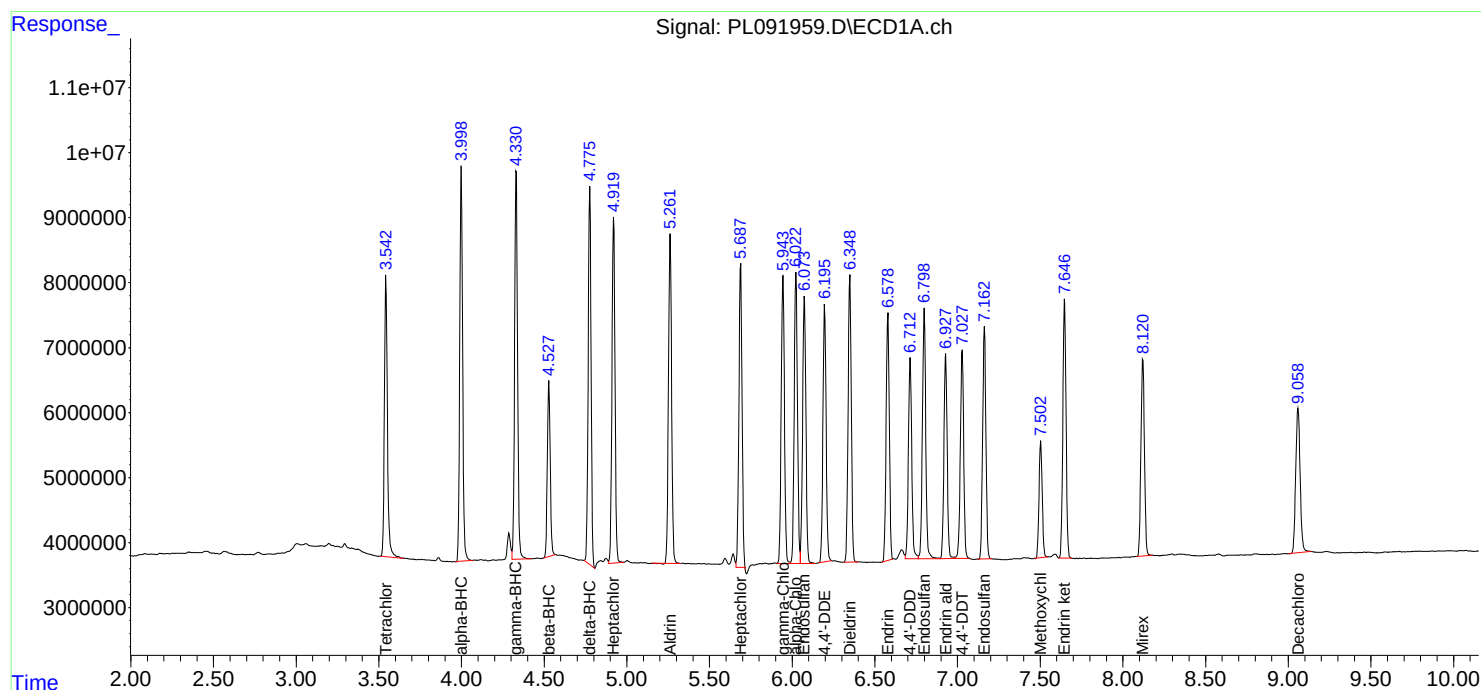
APPROVED

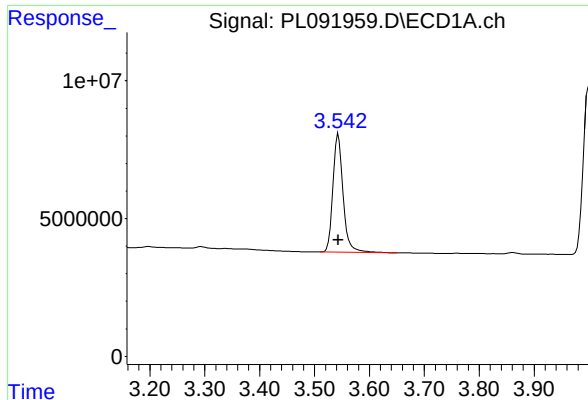
Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:43:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





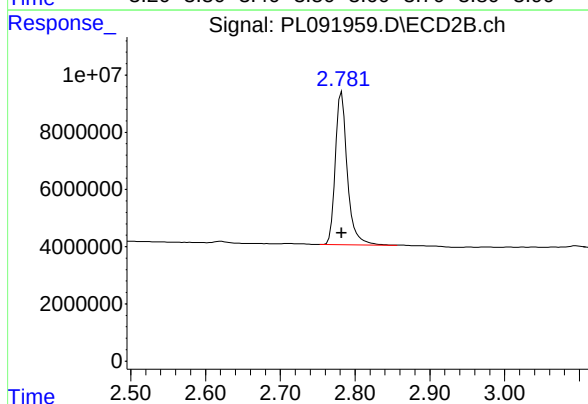
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 54937010
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

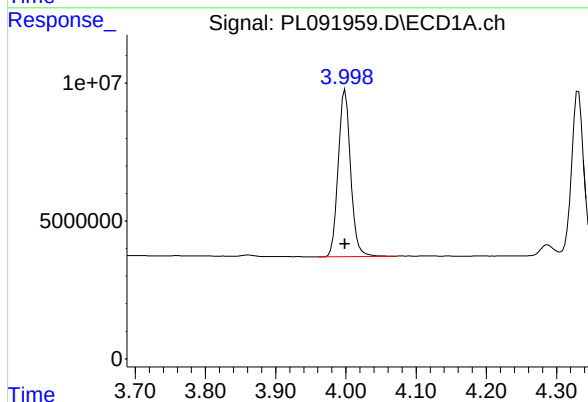
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



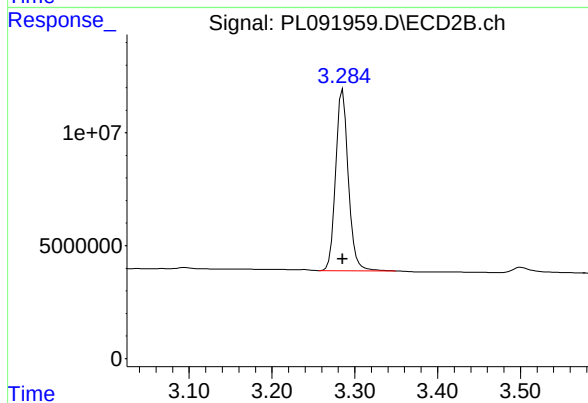
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 59624711
Conc: 24.08 ng/ml



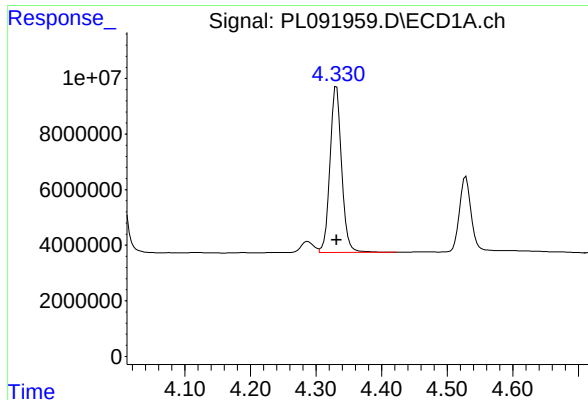
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 74074890
Conc: 24.62 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 85371658
Conc: 23.03 ng/ml



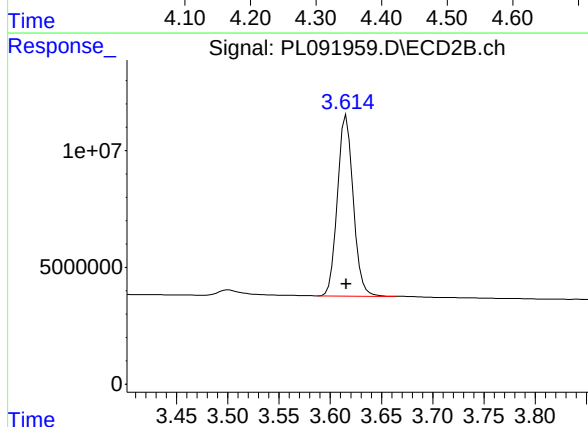
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 73865719
Conc: 24.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

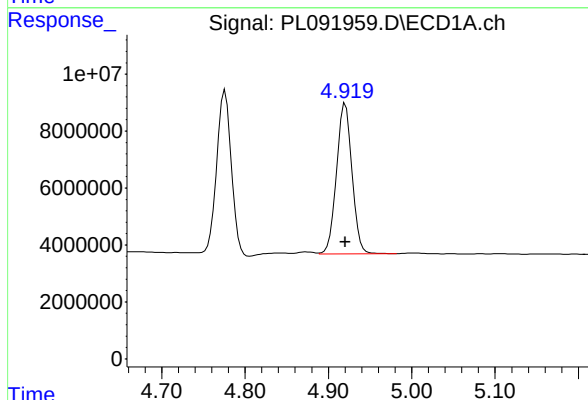
Manual Integrations
APPROVED

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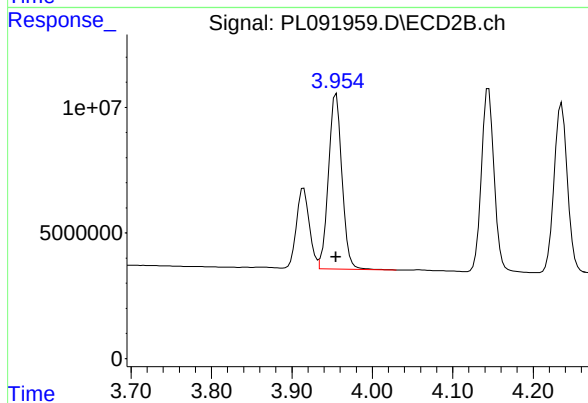
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 82813172
Conc: 23.17 ng/ml



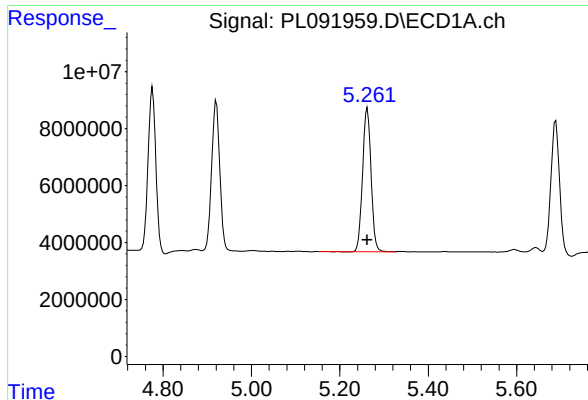
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 68298152
Conc: 25.95 ng/ml



#4 Heptachlor

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 80960696
Conc: 23.71 ng/ml



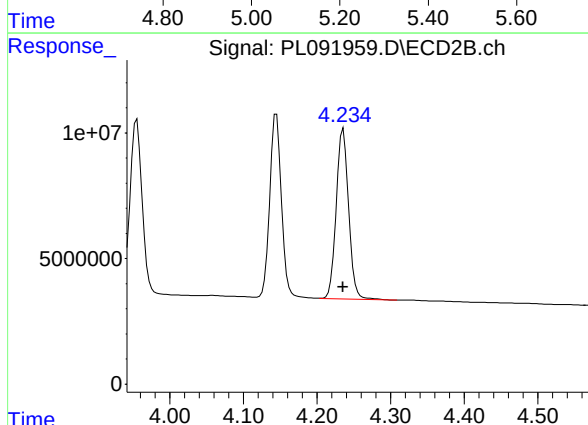
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 67254977
Conc: 25.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

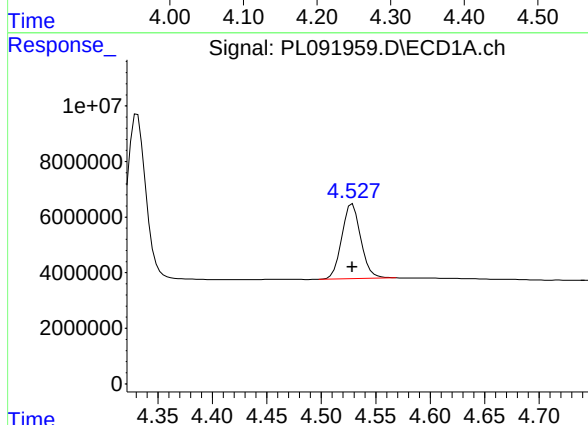
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



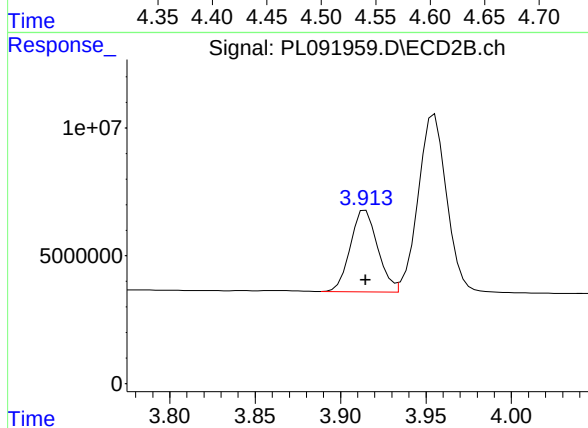
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 79381808
Conc: 23.27 ng/ml



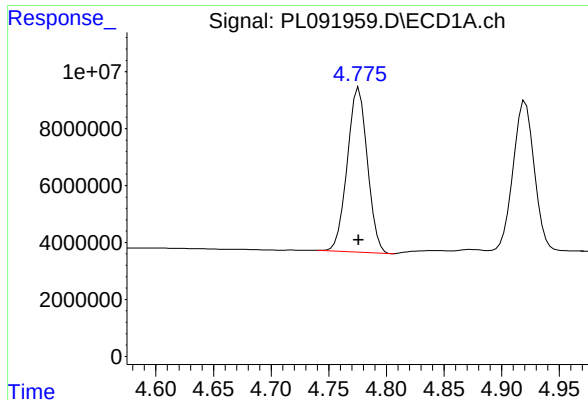
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 32575804
Conc: 25.85 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 35498092
Conc: 24.41 ng/ml



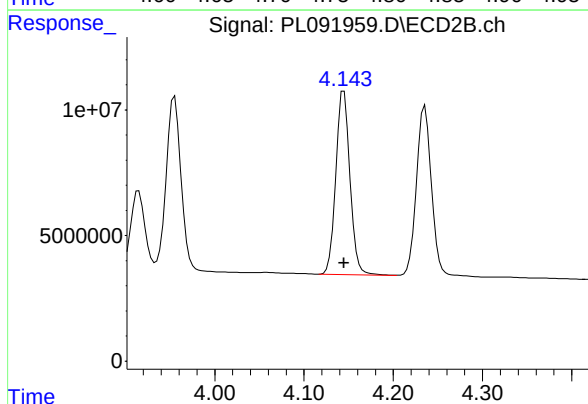
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 69935067
Conc: 25.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

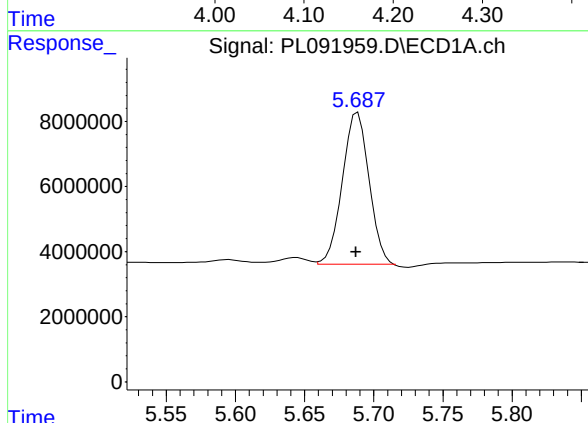
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



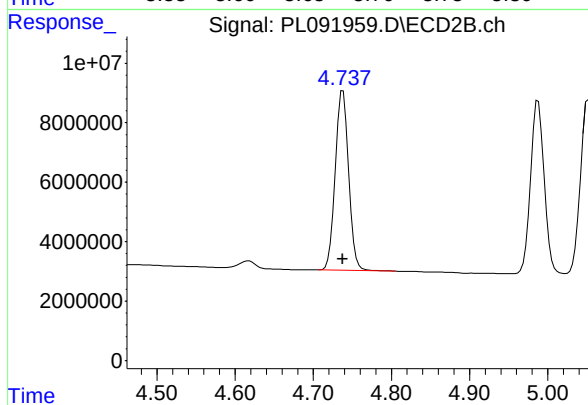
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 80745917
Conc: 23.00 ng/ml



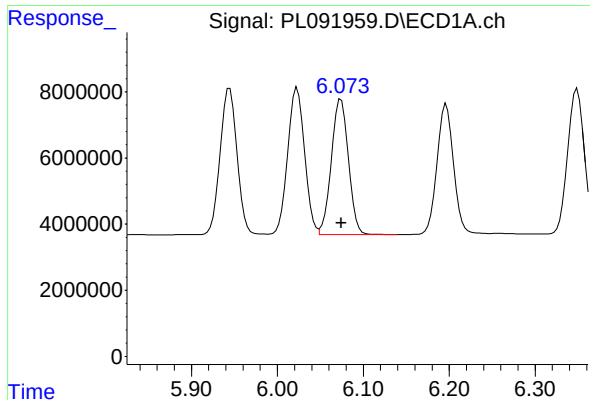
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 62343383
Conc: 25.73 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 71825079
Conc: 24.00 ng/ml



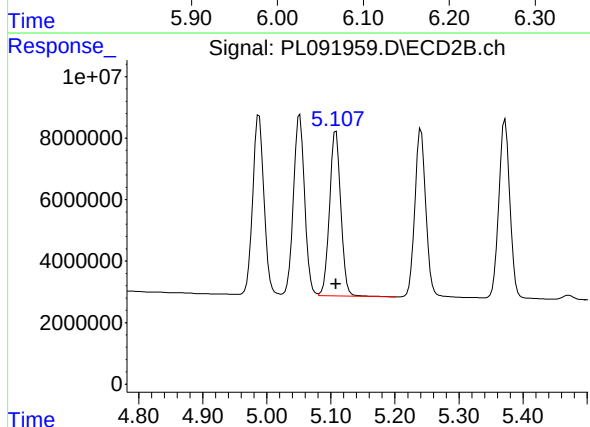
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 57087002
Conc: 25.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

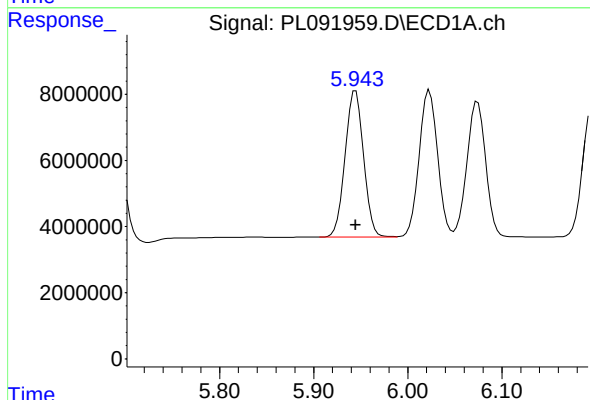
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



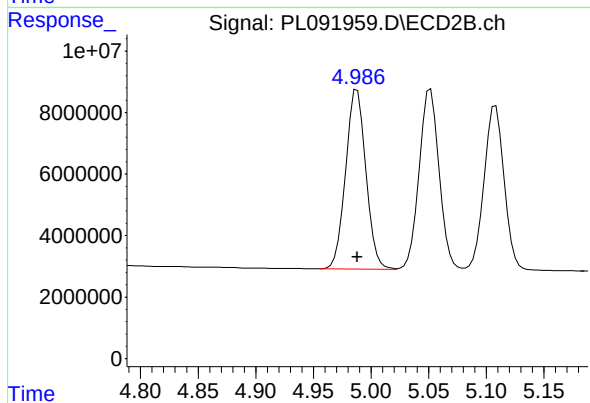
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 65341726
Conc: 23.96 ng/ml



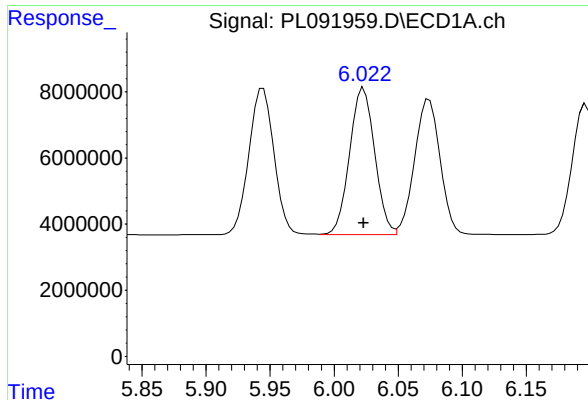
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 60585043
Conc: 25.75 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 71022919
Conc: 23.66 ng/ml



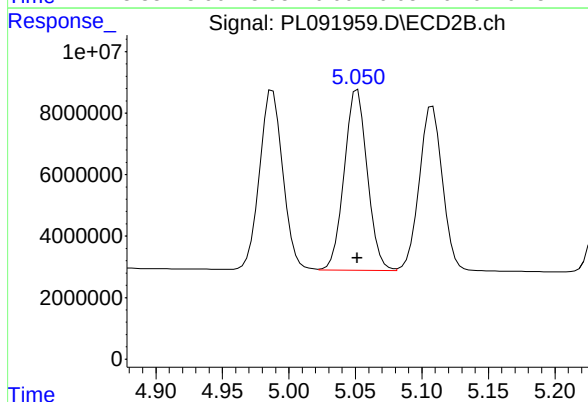
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 60598011
Conc: 25.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

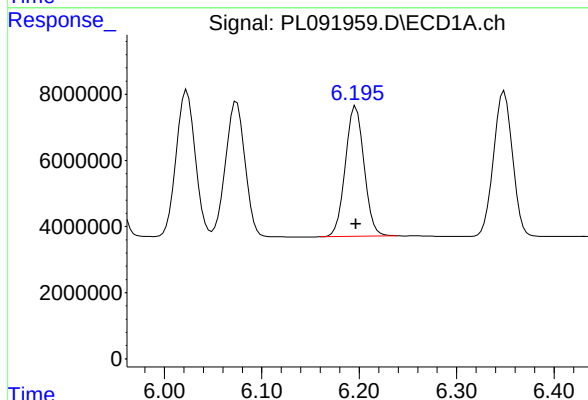
Manual Integrations
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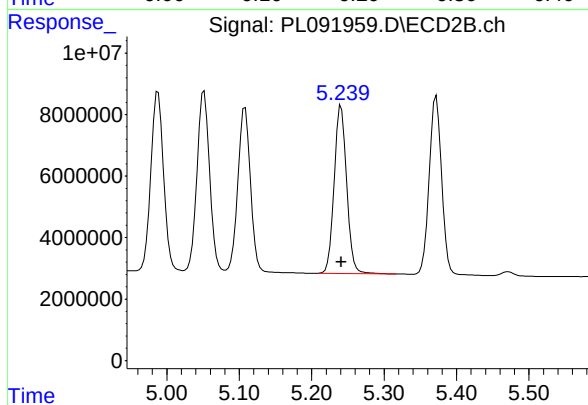
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 71035000
Conc: 23.88 ng/ml



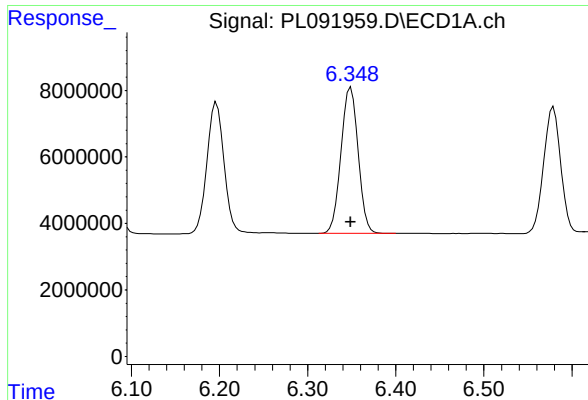
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 52611782
Conc: 25.39 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 65370544
Conc: 23.41 ng/ml



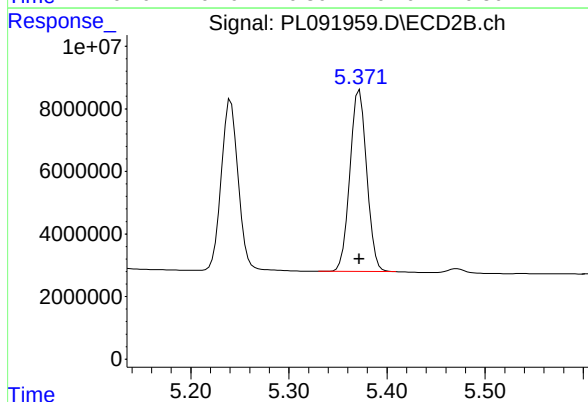
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 59510130
Conc: 25.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

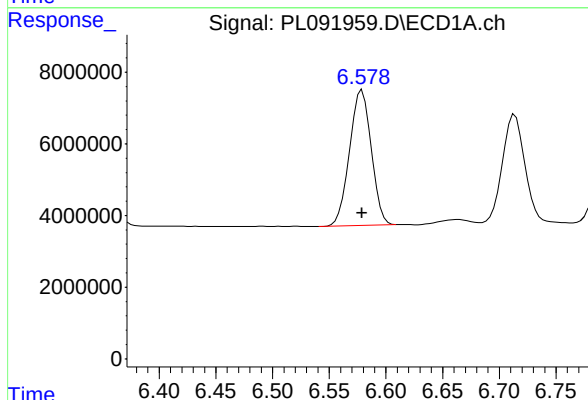
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



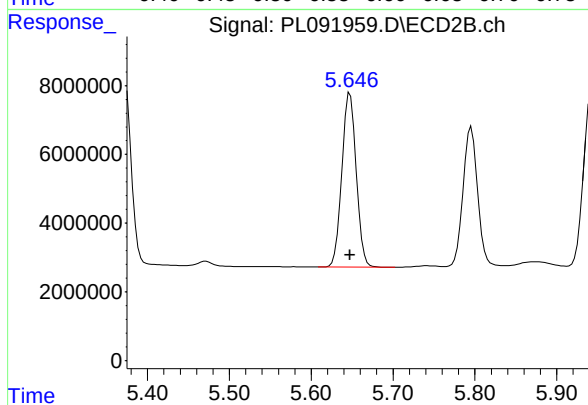
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 68975524
Conc: 23.44 ng/ml



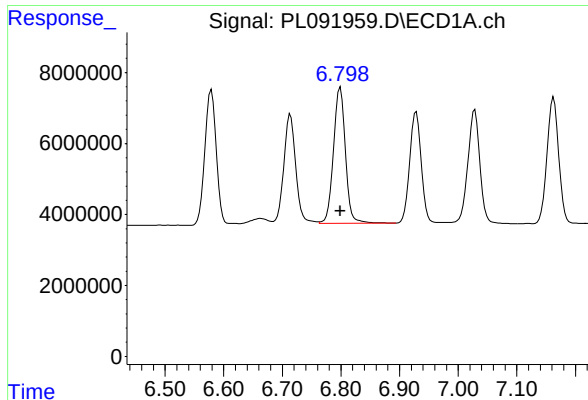
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 50407587
Conc: 25.64 ng/ml



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 61937887
Conc: 23.67 ng/ml



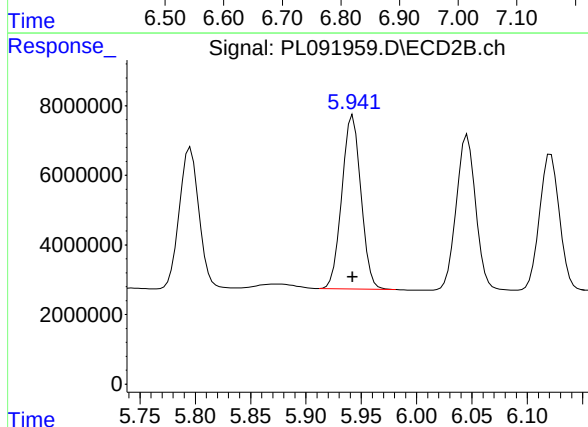
#15 Endosulfan II

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 54023259
Conc: 26.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

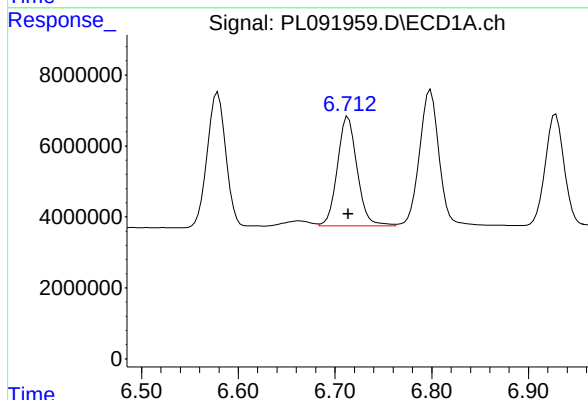
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



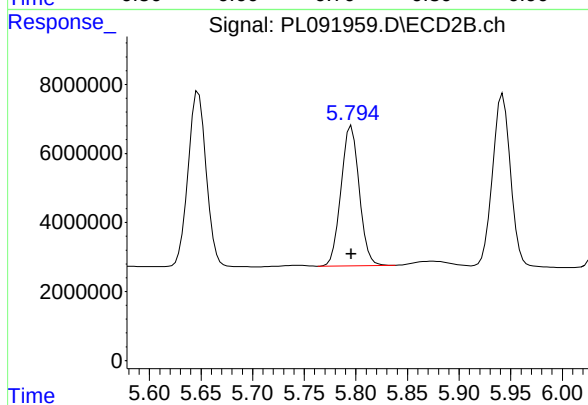
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 59969308
Conc: 24.07 ng/ml



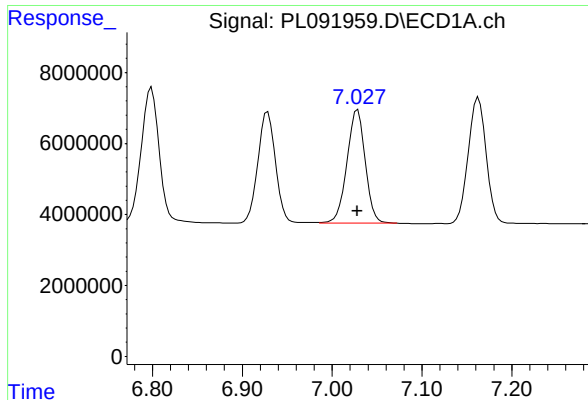
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 43620120
Conc: 25.95 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 49823326
Conc: 23.23 ng/ml



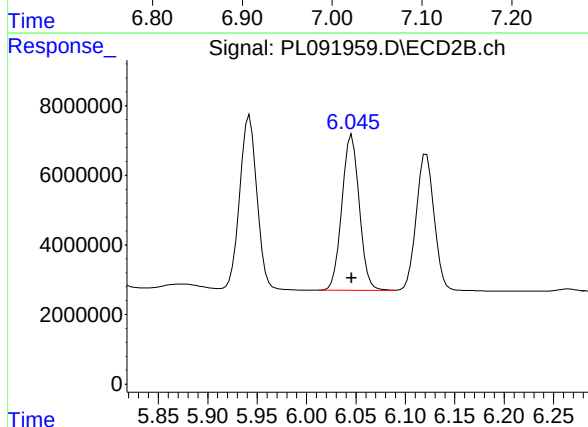
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 45112797
Conc: 25.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

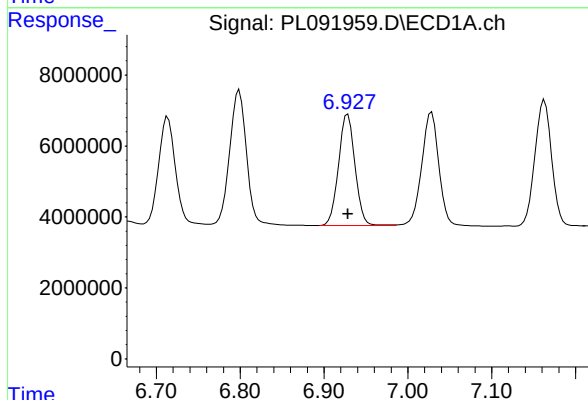
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
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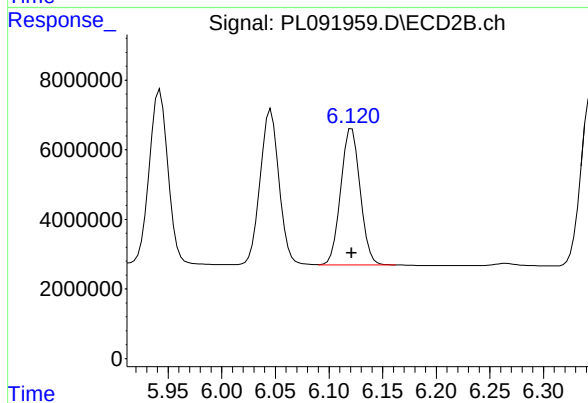
#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 54599950
Conc: 23.38 ng/ml



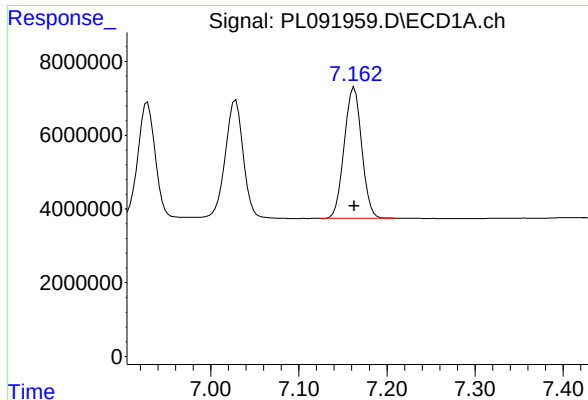
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 43011520
Conc: 26.24 ng/ml



#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 49279615
Conc: 24.54 ng/ml



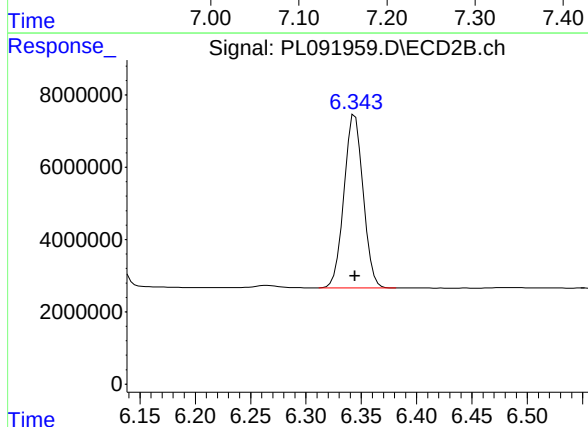
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 49193811
Conc: 26.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

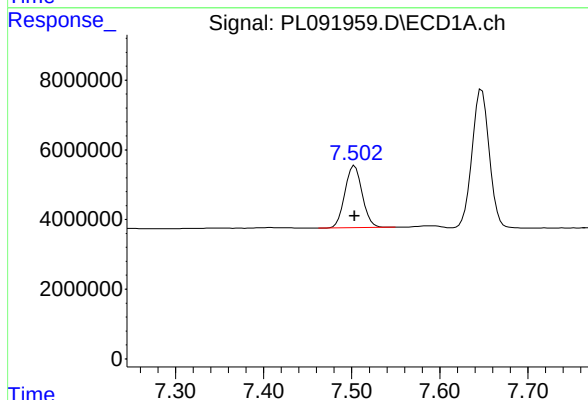
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



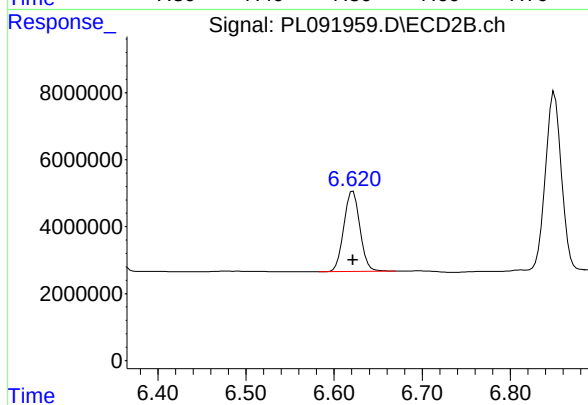
#19 Endosulfan Sulfate

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 57864995
Conc: 24.26 ng/ml



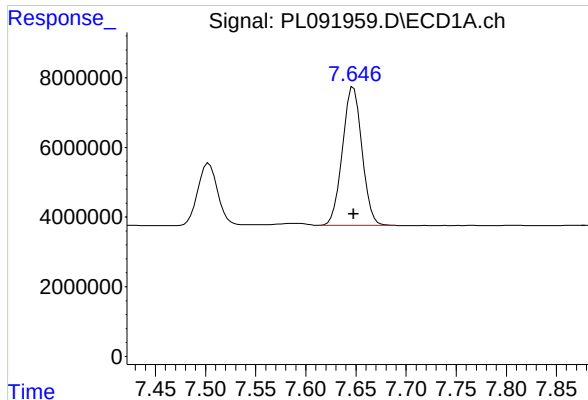
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 24340566
Conc: 25.84 ng/ml



#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 30579607
Conc: 24.92 ng/ml



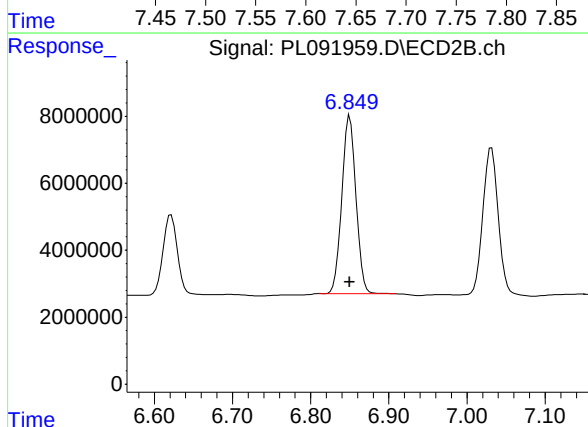
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 53814546
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

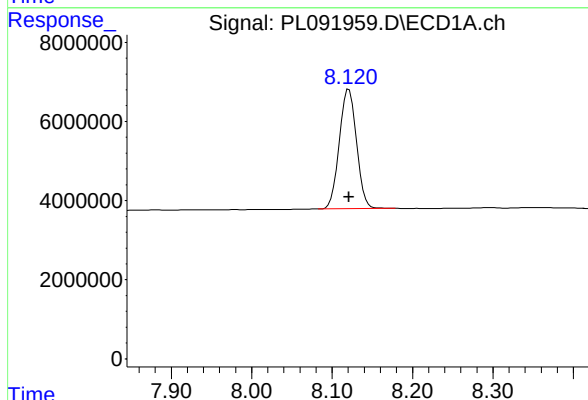
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



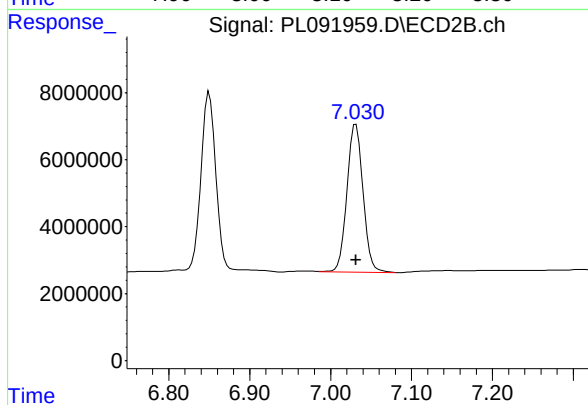
#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 66992334
Conc: 24.28 ng/ml



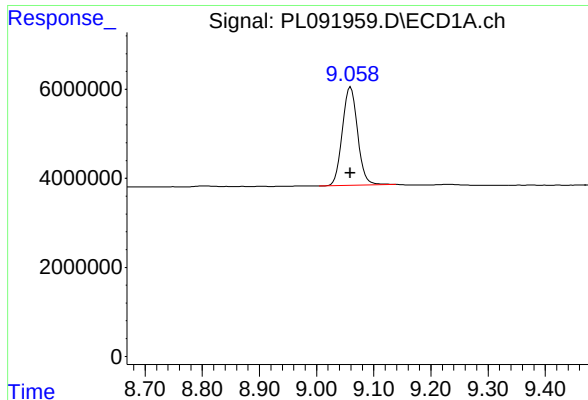
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 45018343
Conc: 26.60 ng/ml



#22 Mirex

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 60930117
Conc: 26.02 ng/ml



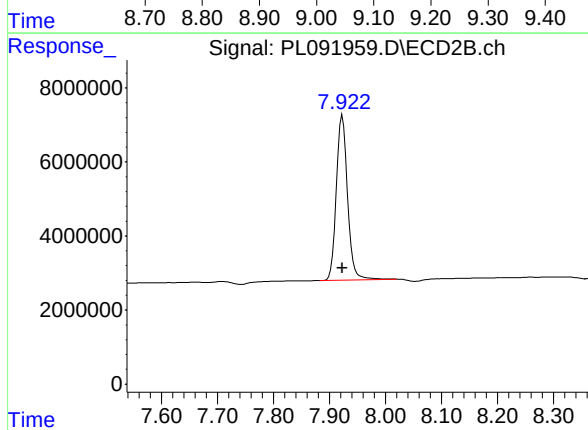
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 41073352
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 61966386
Conc: 25.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 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 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:47:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:46:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	12633129	13182145	5.679	5.256
28) SA Decachlor...	9.059	7.923	9484821	14143204	5.790	5.653
Target Compounds						
2) A alpha-BHC	3.999	3.285	17234641	16938621	5.566	4.649
3) MA gamma-BHC...	4.331	3.615	18256381	16798623	5.891	4.758
4) MA Heptachlor	4.919	3.955	16494140	17975038	5.973m	5.209
5) MB Aldrin	5.262	4.235	16538396	16809155	5.954	4.942
6) B beta-BHC	4.529	3.915	7951520	8491709	5.995	5.649
7) B delta-BHC	4.774	4.144	16230374	16566283	5.661m	4.772
8) B Heptachlo...	5.687	4.737	15229887	15706926	6.010m	5.196
9) A Endosulfan I	6.074	5.108	13873483	14080406	5.997	5.130
10) B gamma-Chl...	5.944	4.988	14729856	15187516	5.961	5.048
11) B alpha-Chl...	6.023	5.052	14655099	15333163	5.949	5.122
12) B 4,4'-DDE	6.196	5.241	12666670	13620254	5.852	4.901
13) MA Dieldrin	6.349	5.372	14459648	14445705	5.929	4.927
14) MA Endrin	6.578	5.647	12202391	13210948	5.921	5.038
15) B Endosulfa...	6.798	5.942	13878055	12738836	6.309	5.091
16) A 4,4'-DDD	6.713	5.795	11272715	10512441	6.382	4.921
17) MA 4,4'-DDT	7.027	6.046	10890247	11127077	5.915	4.810
18) B Endrin al...	6.928	6.122	10790390	10863269	6.192	5.323
19) B Endosulfa...	7.162	6.345	11985801	12600844	6.046	5.223
20) A Methoxychlor	7.502	6.621	5700396	6718459	5.819m	5.373
21) B Endrin ke...	7.647	6.848	13084630	14041873	5.954	5.068m
22) Mirex	8.120	7.031	11179921	13974423	6.208	5.745

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

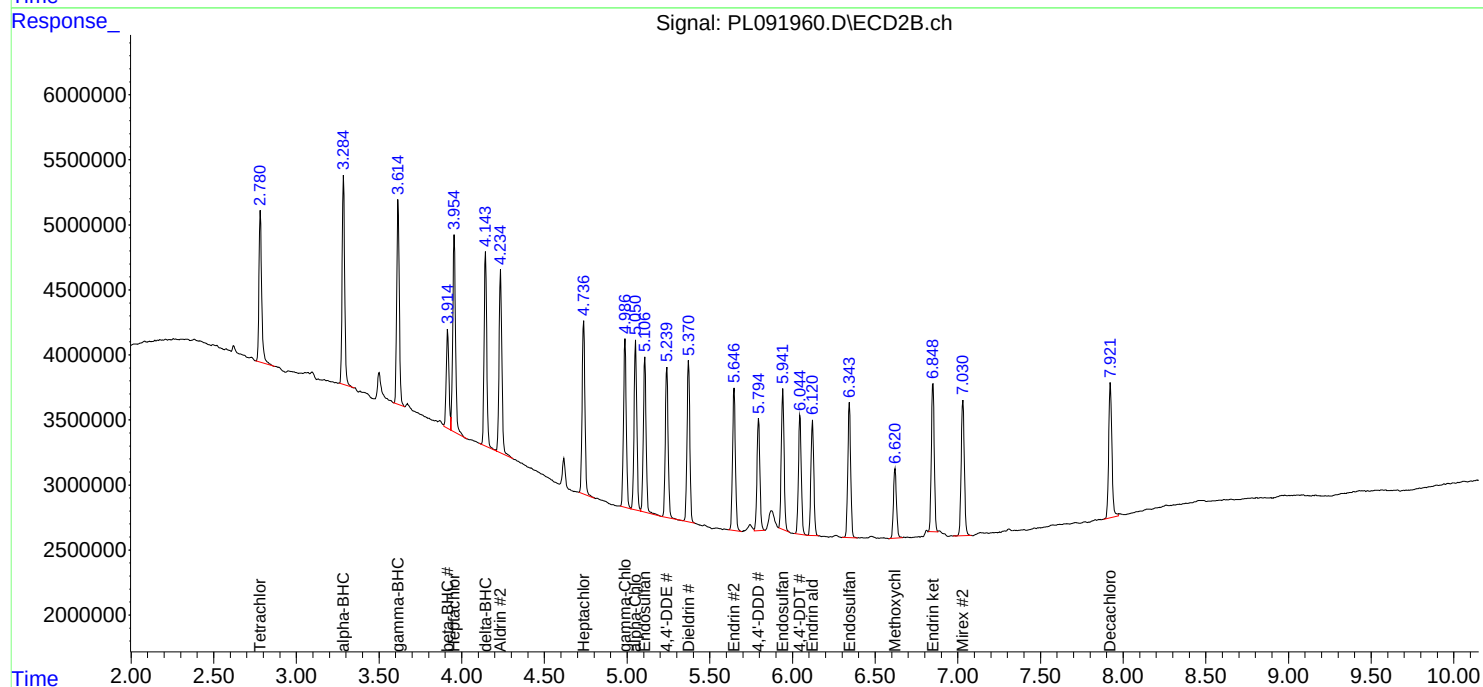
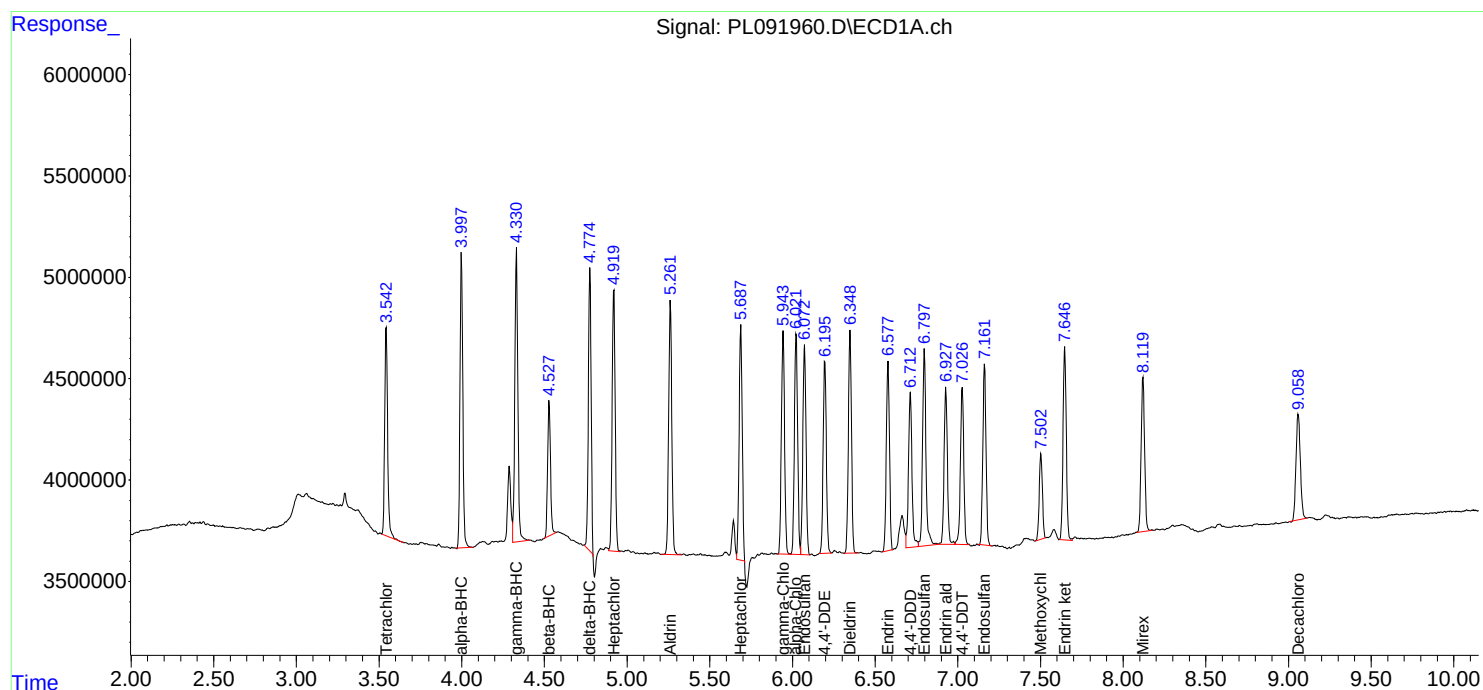
Manual Integrations

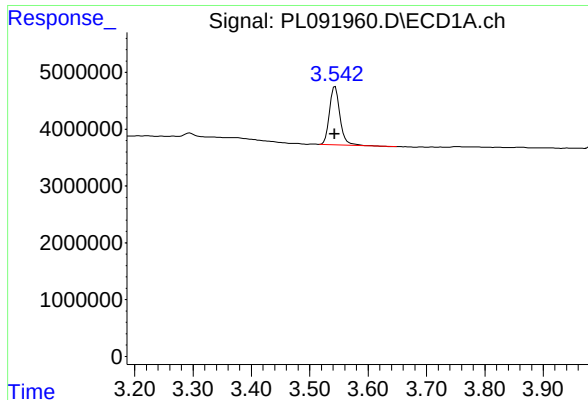
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:47:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:46:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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





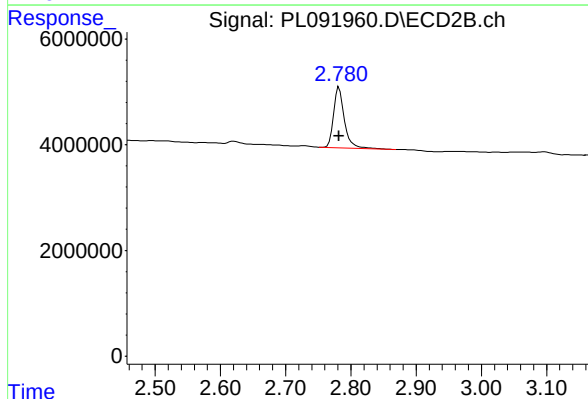
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 12633129
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

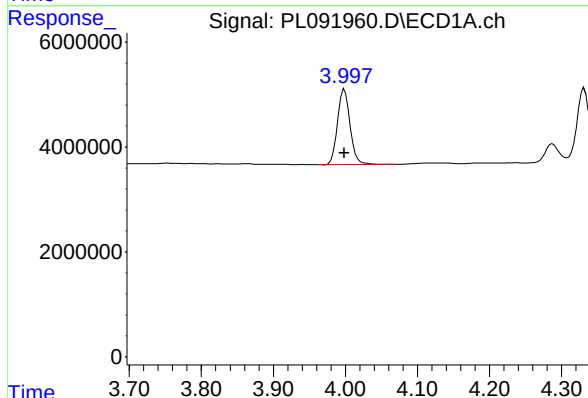
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



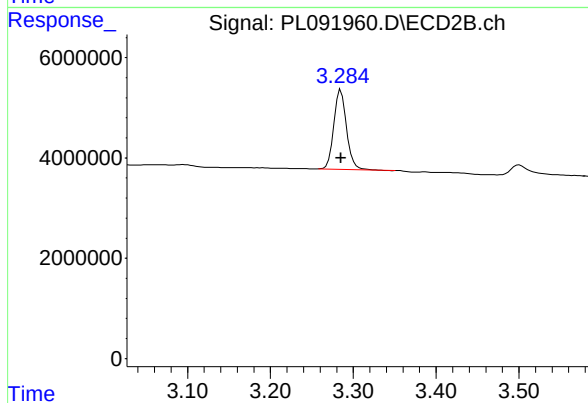
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 13182145
Conc: 5.26 ng/ml



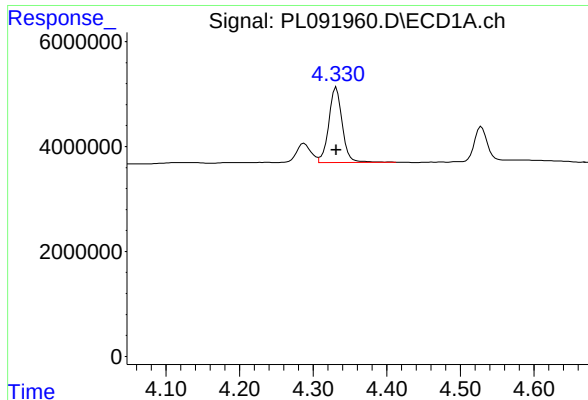
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 17234641
Conc: 5.57 ng/ml



#2 alpha-BHC

R.T.: 3.285 min
Delta R.T.: 0.000 min
Response: 16938621
Conc: 4.65 ng/ml



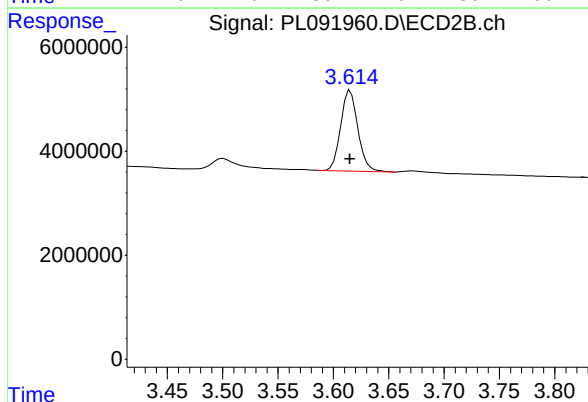
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 18256381
Conc: 5.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

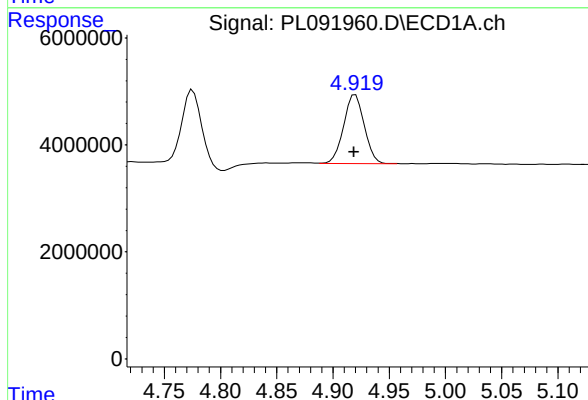
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



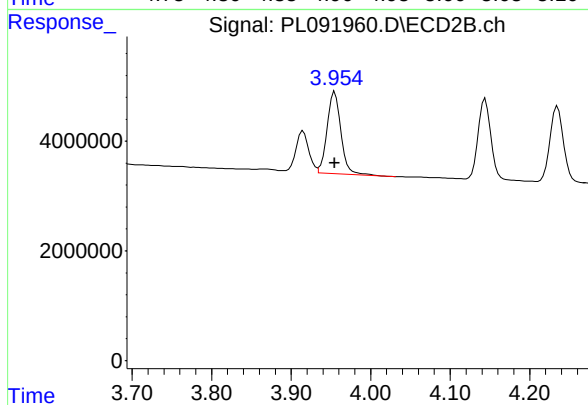
#3 gamma-BHC (Lindane)

R.T.: 3.615 min
Delta R.T.: 0.000 min
Response: 16798623
Conc: 4.76 ng/ml



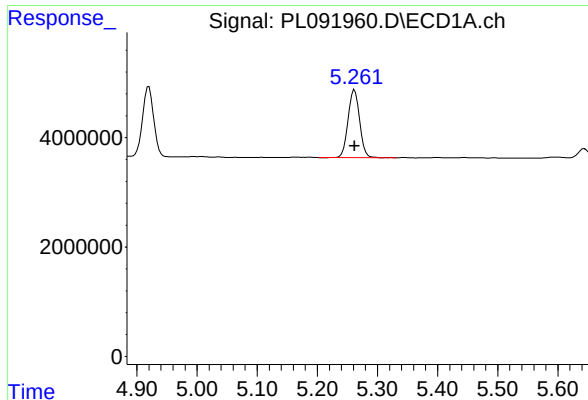
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 16494140
Conc: 5.97 ng/ml m



#4 Heptachlor

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 17975038
Conc: 5.21 ng/ml



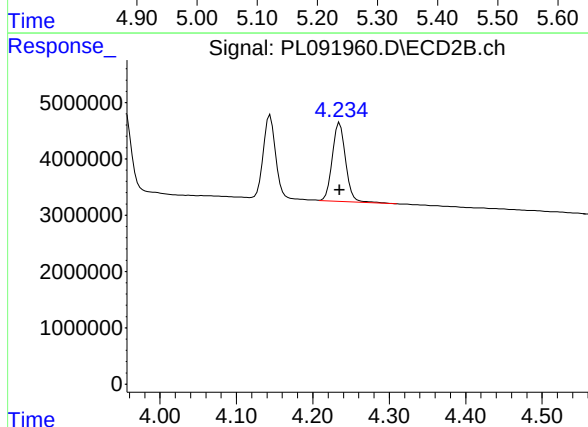
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 16538396
Conc: 5.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

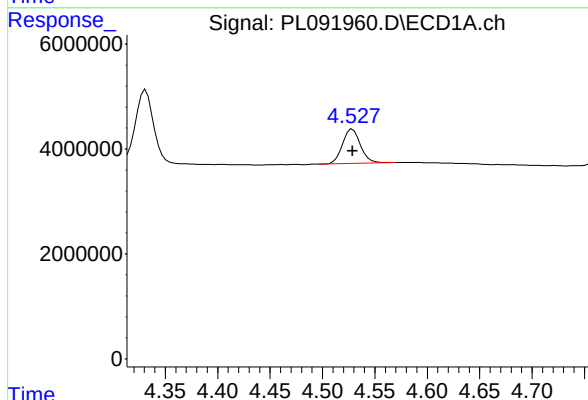
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



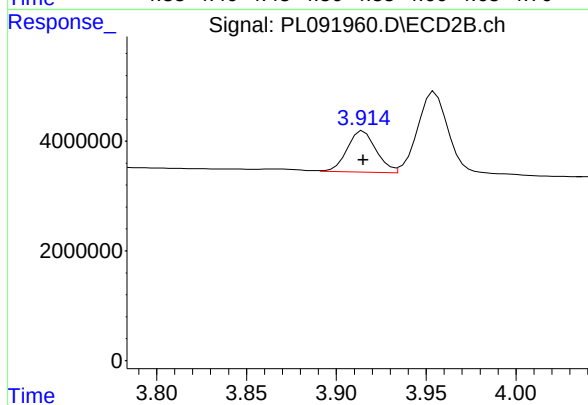
#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.000 min
Response: 16809155
Conc: 4.94 ng/ml



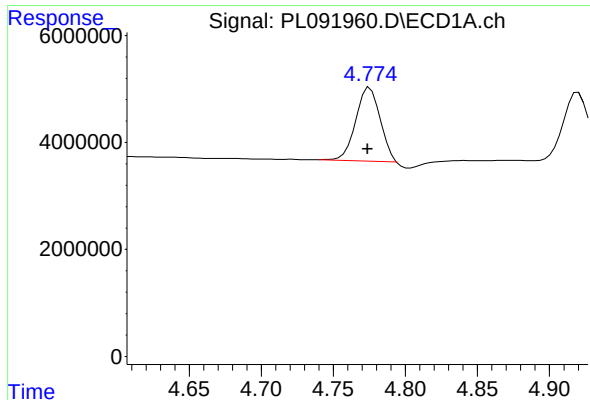
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 7951520
Conc: 5.99 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 8491709
Conc: 5.65 ng/ml



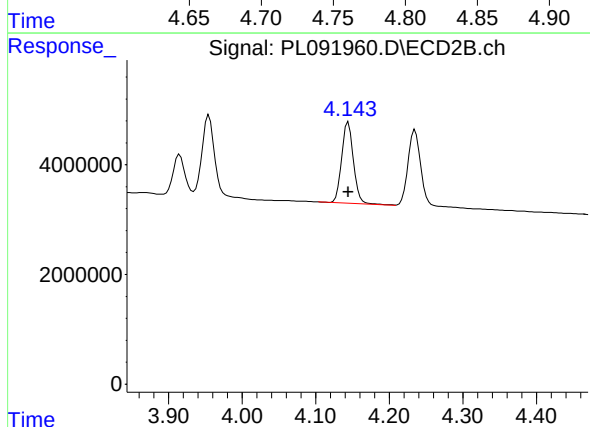
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 16230374
Conc: 5.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

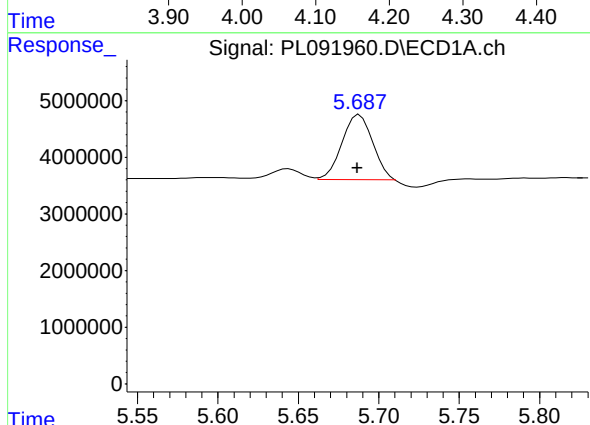
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



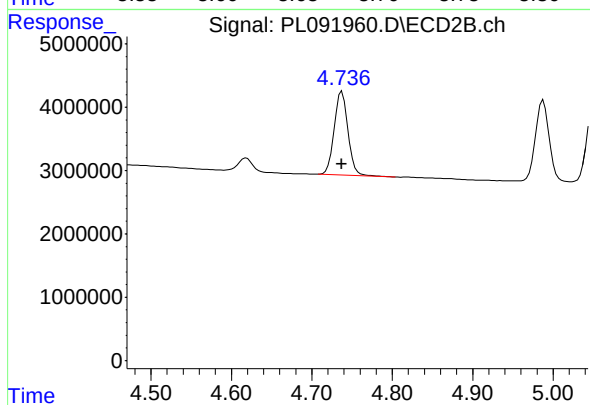
#7 delta-BHC

R.T.: 4.144 min
Delta R.T.: 0.000 min
Response: 16566283
Conc: 4.77 ng/ml



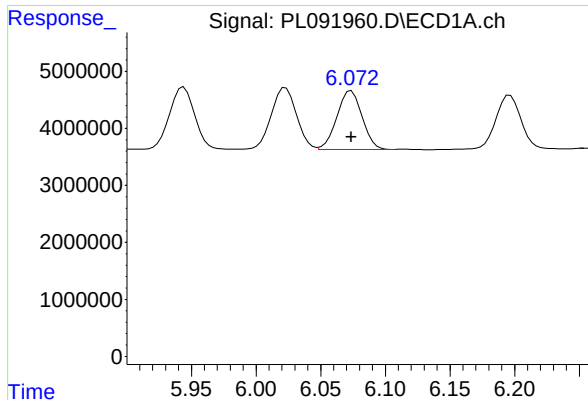
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 15229887
Conc: 6.01 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.737 min
Delta R.T.: 0.000 min
Response: 15706926
Conc: 5.20 ng/ml



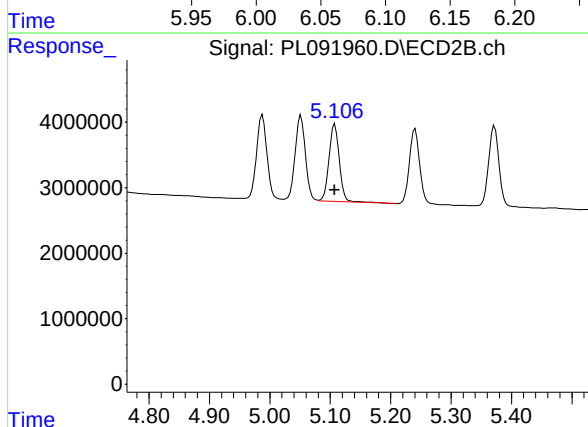
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 13873483
Conc: 6.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

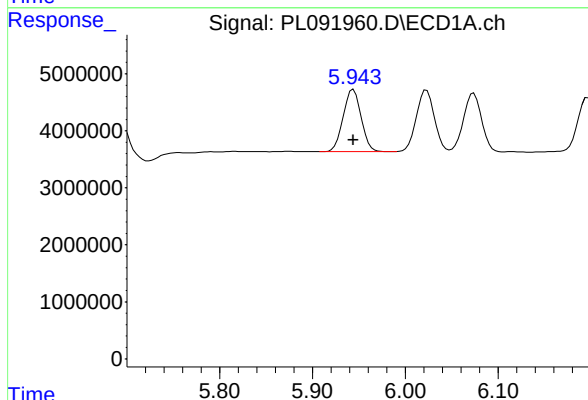
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



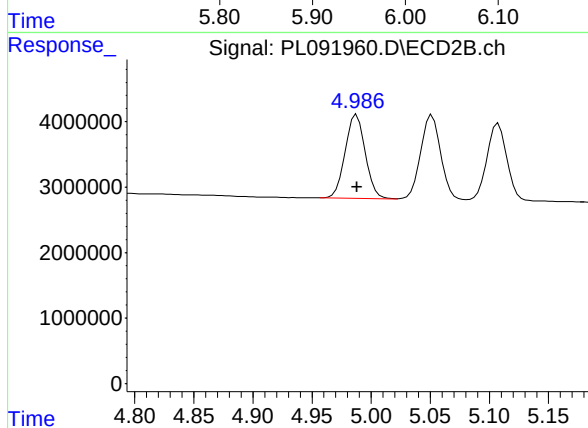
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 14080406
Conc: 5.13 ng/ml



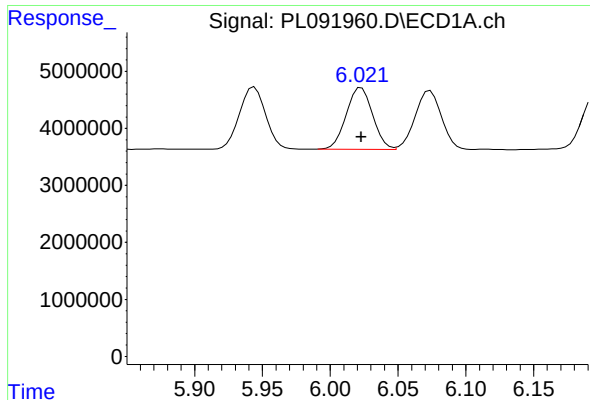
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 14729856
Conc: 5.96 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 15187516
Conc: 5.05 ng/ml



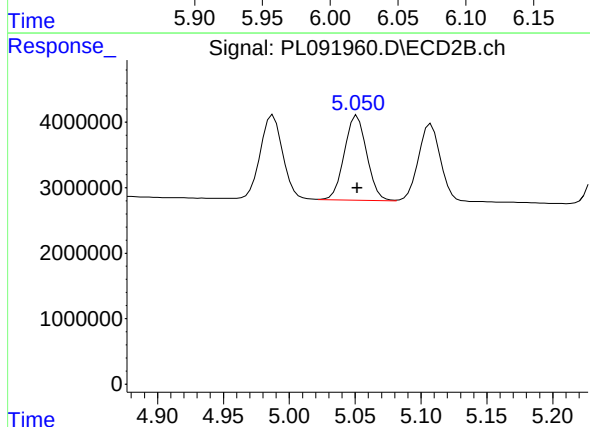
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 14655099
Conc: 5.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

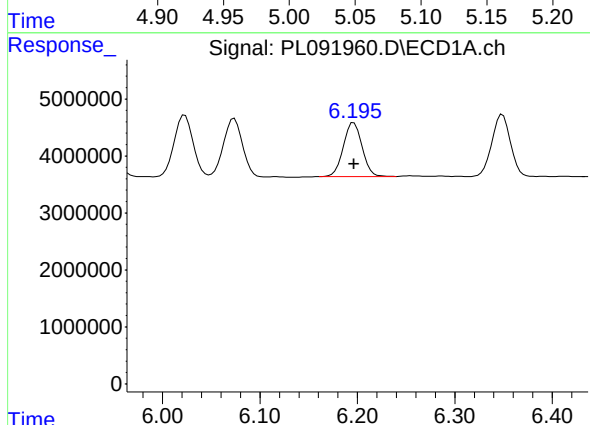
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



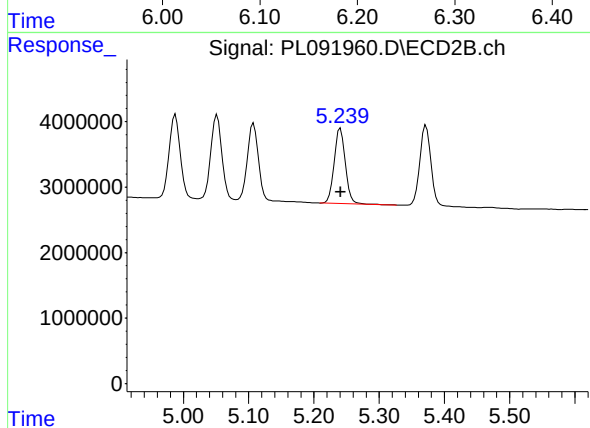
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 15333163
Conc: 5.12 ng/ml



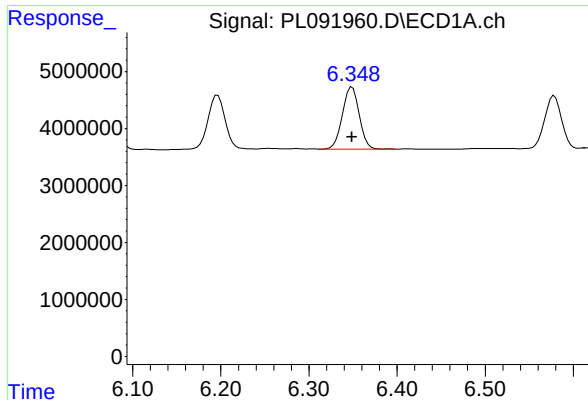
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 12666670
Conc: 5.85 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 13620254
Conc: 4.90 ng/ml



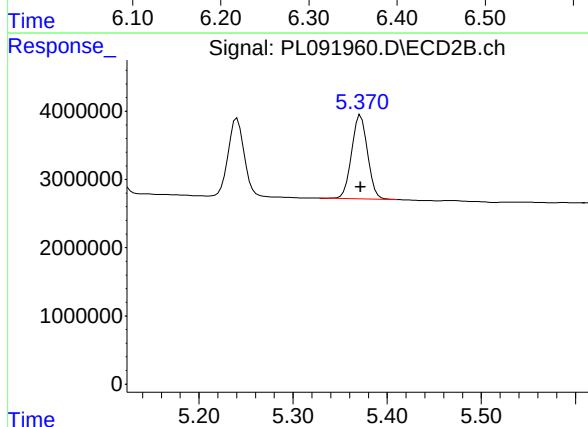
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 14459648
Conc: 5.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

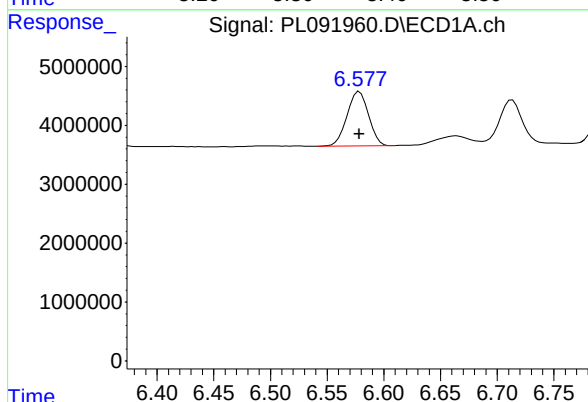
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
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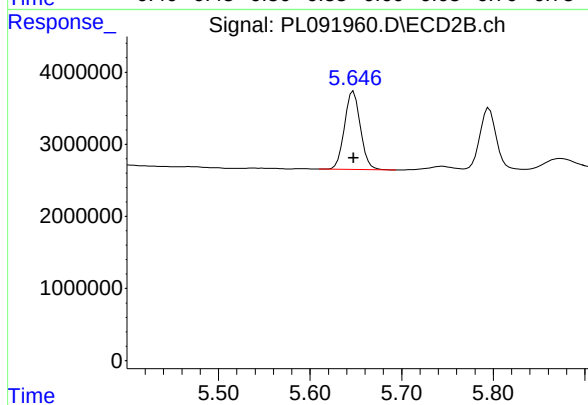
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 14445705
Conc: 4.93 ng/ml



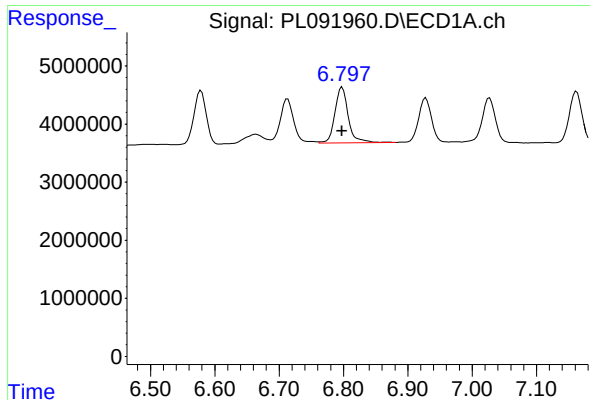
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 12202391
Conc: 5.92 ng/ml



#14 Endrin

R.T.: 5.647 min
Delta R.T.: 0.000 min
Response: 13210948
Conc: 5.04 ng/ml



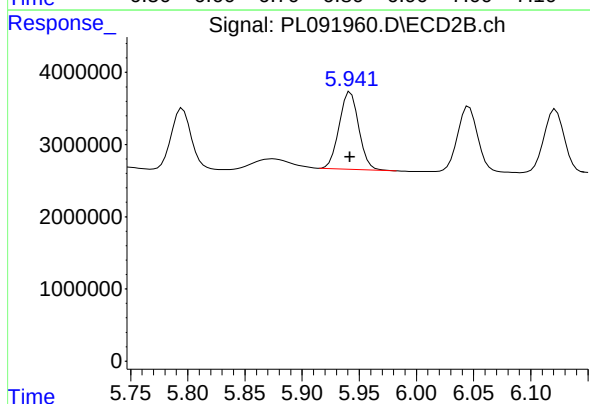
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 13878055
Conc: 6.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

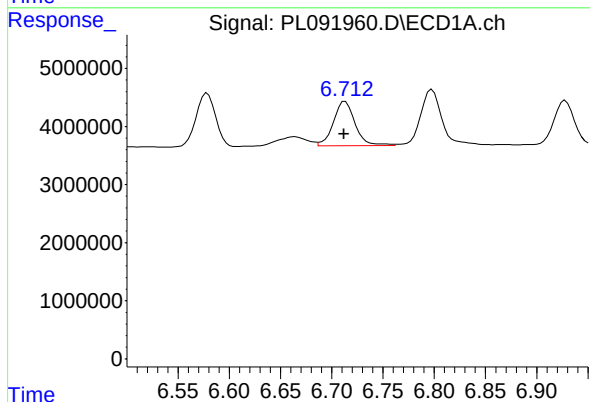
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



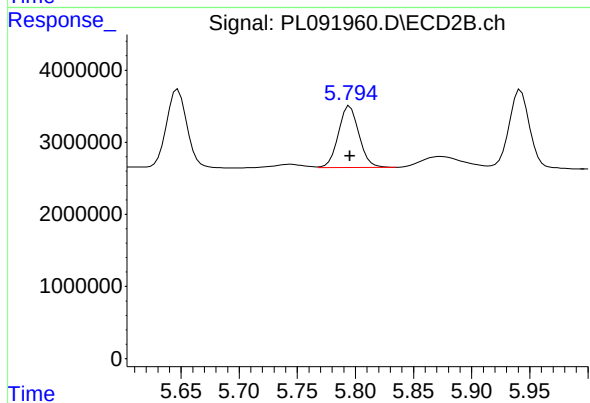
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 12738836
Conc: 5.09 ng/ml



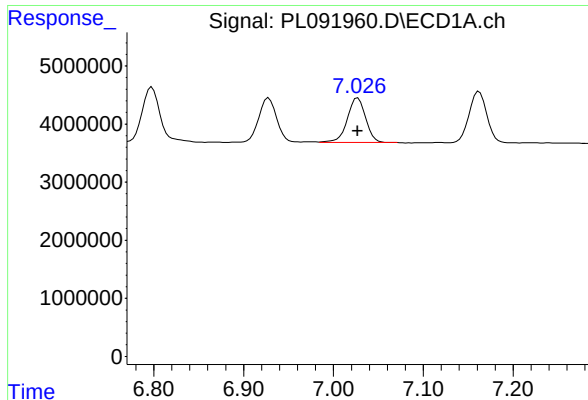
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.001 min
Response: 11272715
Conc: 6.38 ng/ml



#16 4,4'-DDD

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 10512441
Conc: 4.92 ng/ml



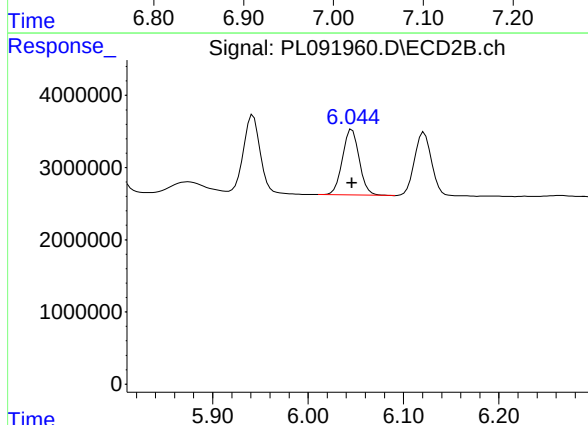
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 10890247
Conc: 5.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

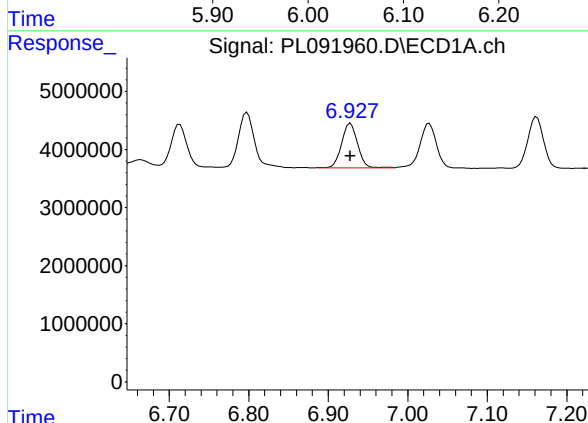
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



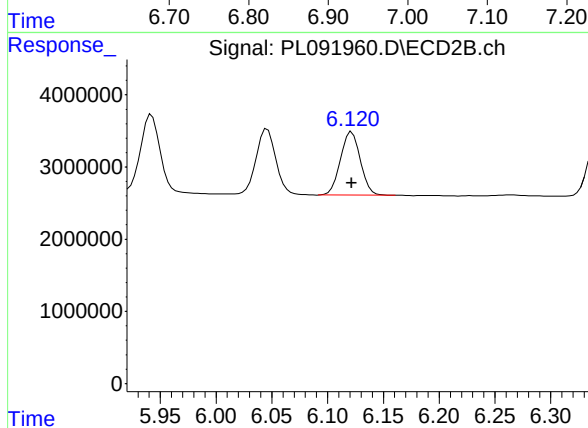
#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 11127077
Conc: 4.81 ng/ml



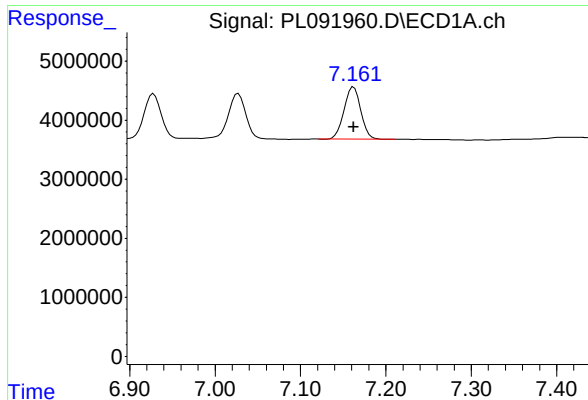
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 10790390
Conc: 6.19 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 10863269
Conc: 5.32 ng/ml



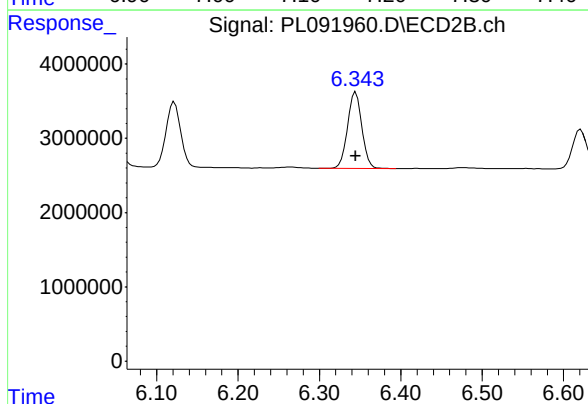
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 11985801
Conc: 6.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

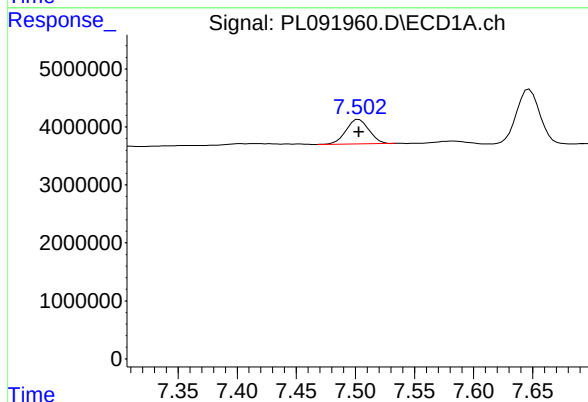
Manual Integrations
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Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



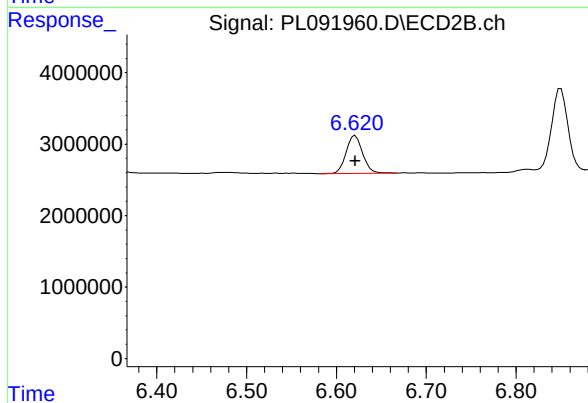
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 12600844
Conc: 5.22 ng/ml



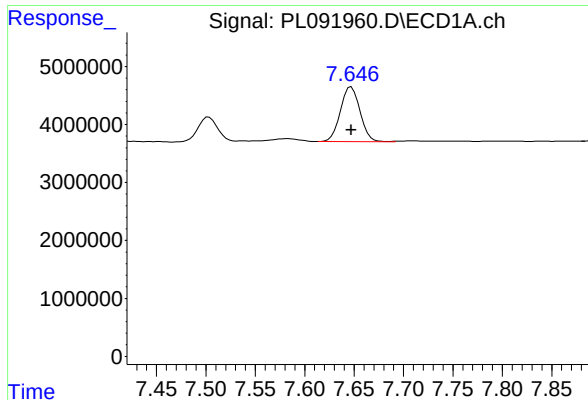
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: -0.002 min
Response: 5700396
Conc: 5.82 ng/ml m



#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 6718459
Conc: 5.37 ng/ml



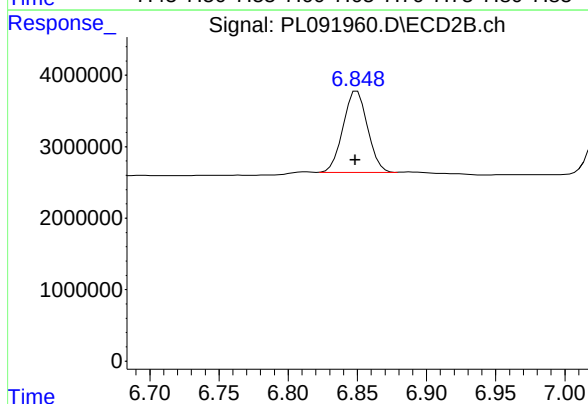
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 13084630
Conc: 5.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

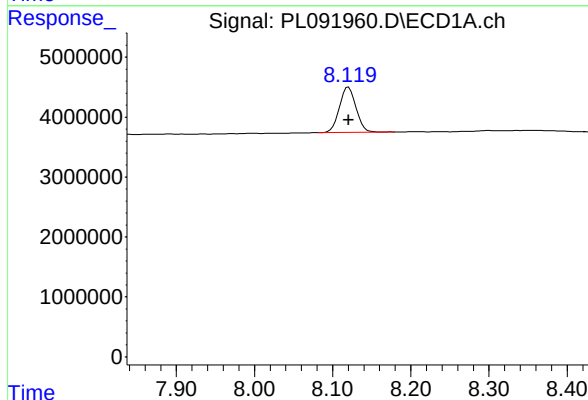
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



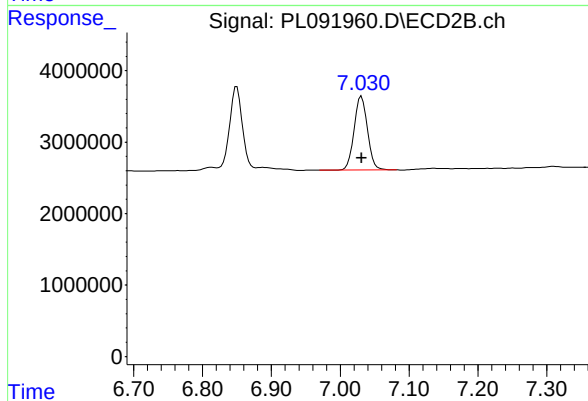
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 14041873
Conc: 5.07 ng/ml



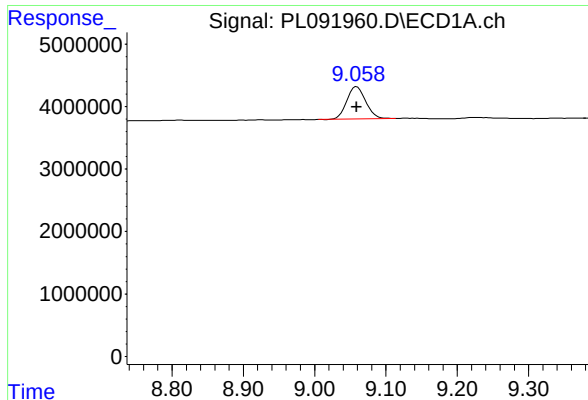
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.000 min
Response: 11179921
Conc: 6.21 ng/ml



#22 Mirex

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 13974423
Conc: 5.74 ng/ml



#28 Decachlorobiphenyl

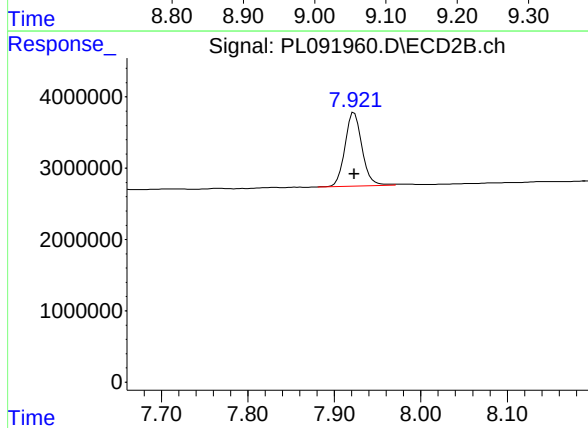
R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 9484821
Conc: 5.79 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 14143204
Conc: 5.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
 Data File : PL091963.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2024 13:06
 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: Sep 23 13:20:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 13:20:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	105.7E6	151.2E6	50.000	50.000
28) SA Decachlor...	9.061	7.924	78626748	121.3E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.706	3.781	49457629	49048818	500.000	500.000
24) Chlordane-2	5.236	4.358	51426580	54655467	500.000	500.000
25) Chlordane-3	5.946	4.989	177.7E6	164.8E6	500.000	500.000
26) Chlordane-4	6.028	5.051	216.0E6	157.8E6	500.000	500.000
27) Chlordane-5	6.877	5.947	42070403	54145786	500.000	500.000

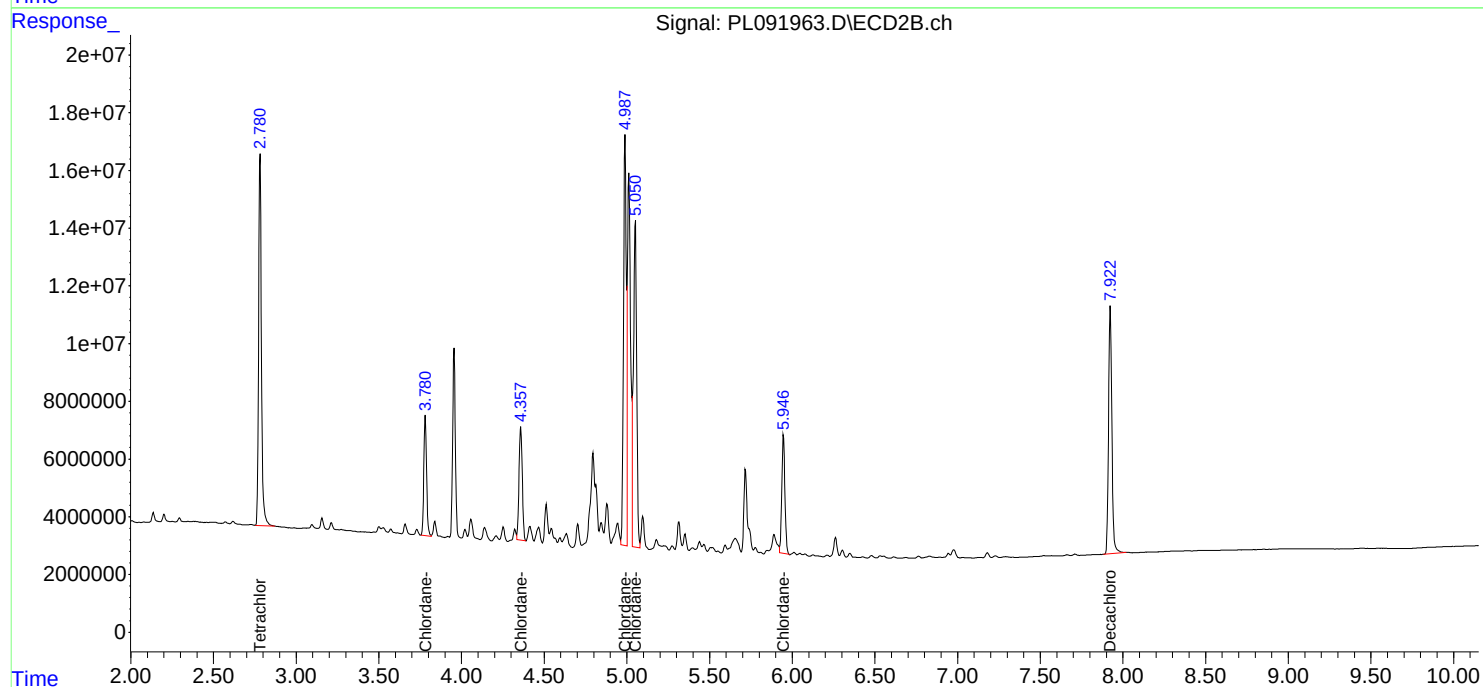
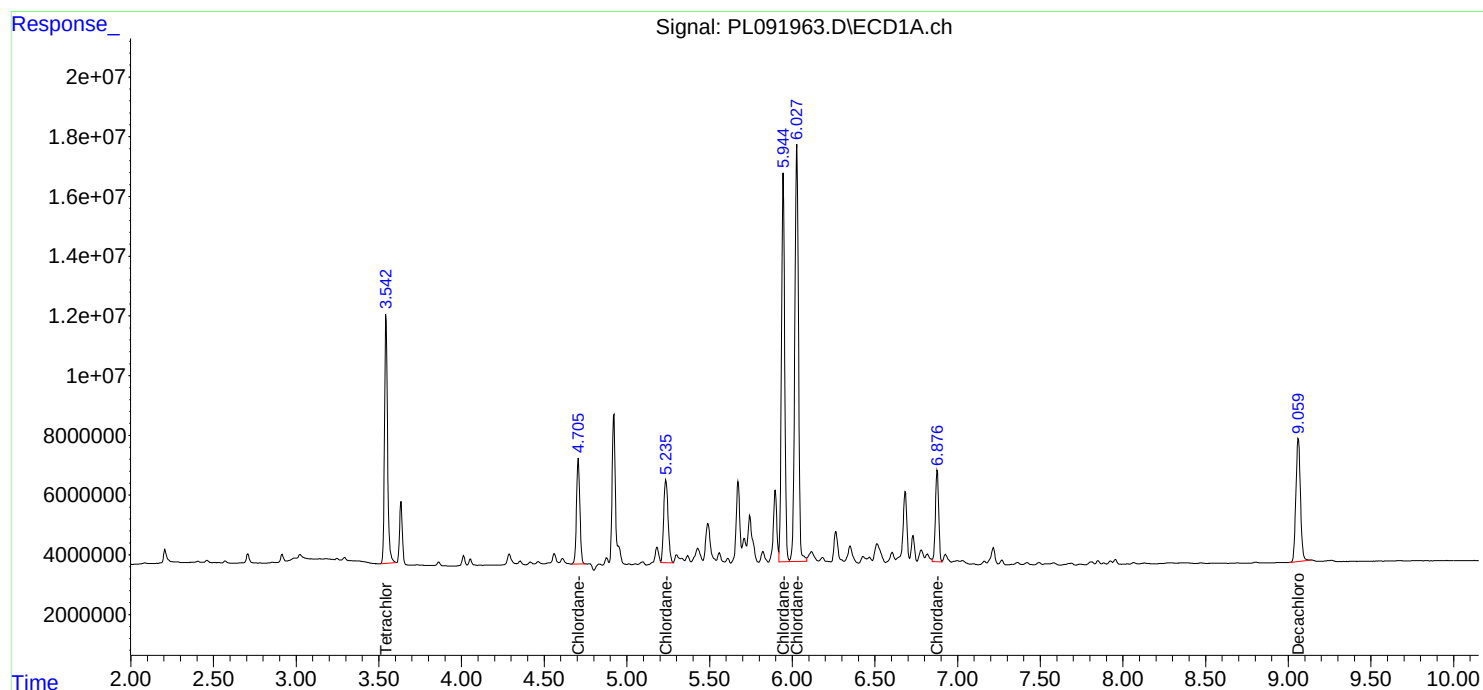
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

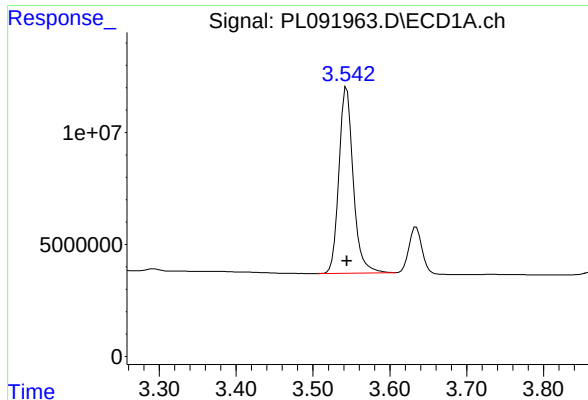
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:06
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:20:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 13:20:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

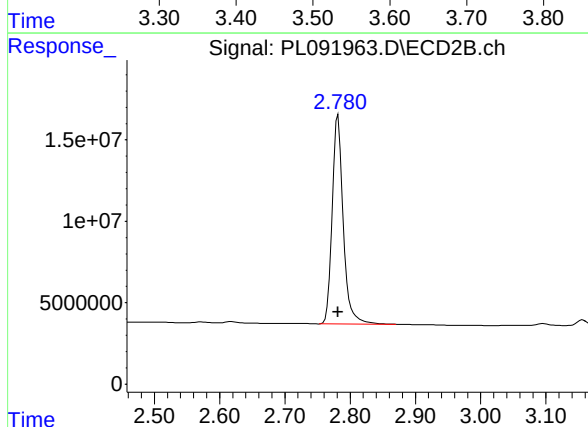




#1 Tetrachloro-m-xylene

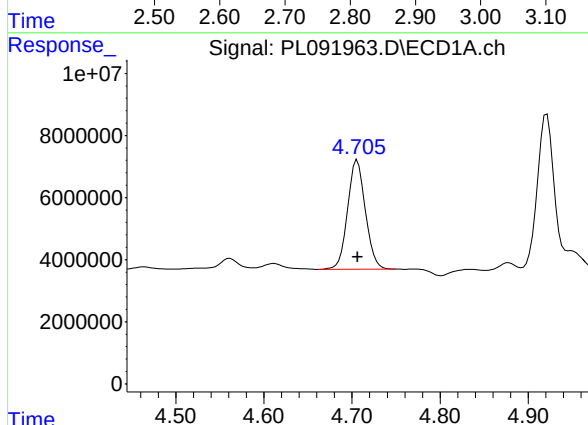
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 105675393
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



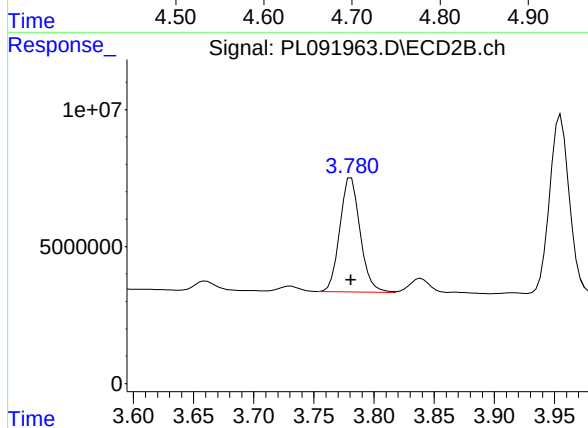
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 151157034
Conc: 50.00 ng/ml



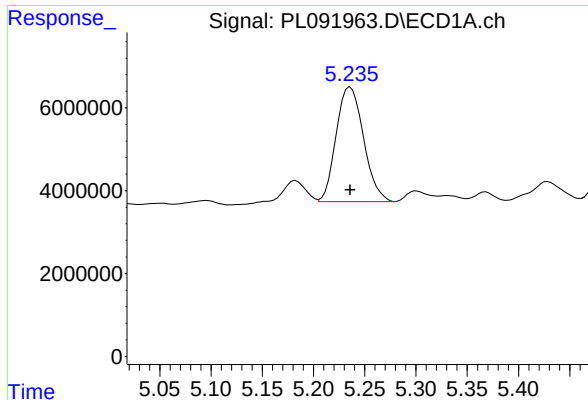
#23 Chlordane-1

R.T.: 4.706 min
Delta R.T.: 0.000 min
Response: 49457629
Conc: 500.00 ng/ml



#23 Chlordane-1

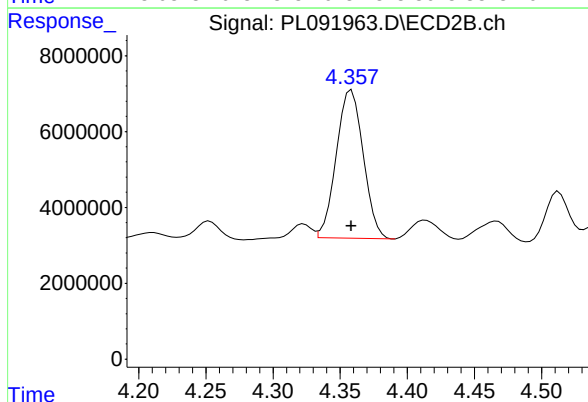
R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 49048818
Conc: 500.00 ng/ml



#24 Chlordane-2

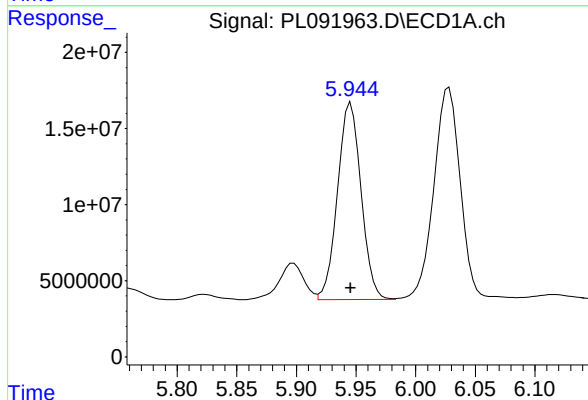
R.T.: 5.236 min
Delta R.T.: 0.000 min
Response: 51426580
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



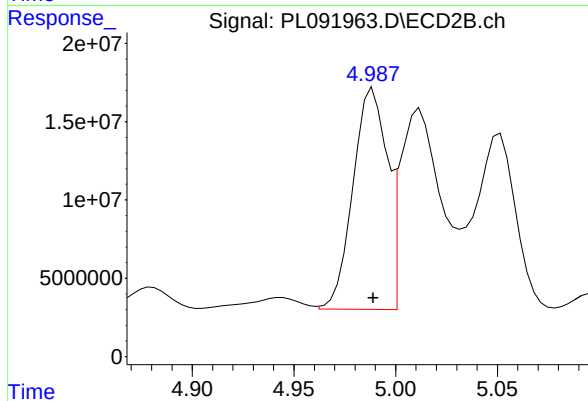
#24 Chlordane-2

R.T.: 4.358 min
Delta R.T.: 0.000 min
Response: 54655467
Conc: 500.00 ng/ml



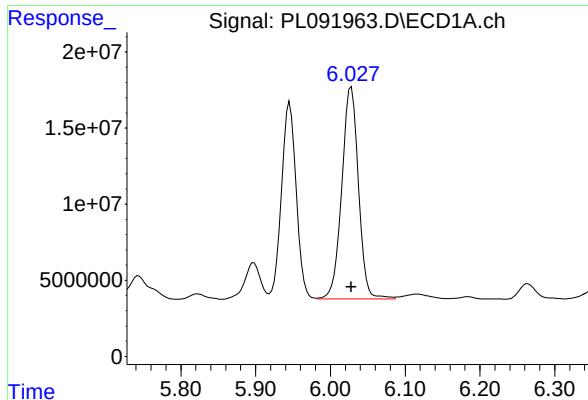
#25 Chlordane-3

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 177668269
Conc: 500.00 ng/ml



#25 Chlordane-3

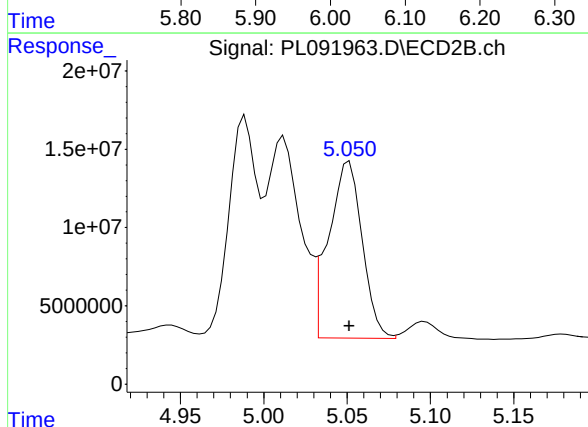
R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 164767709
Conc: 500.00 ng/ml



#26 Chlordane-4

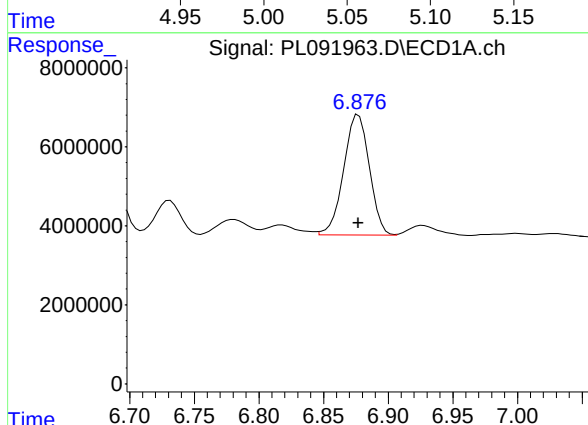
R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 216031706
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



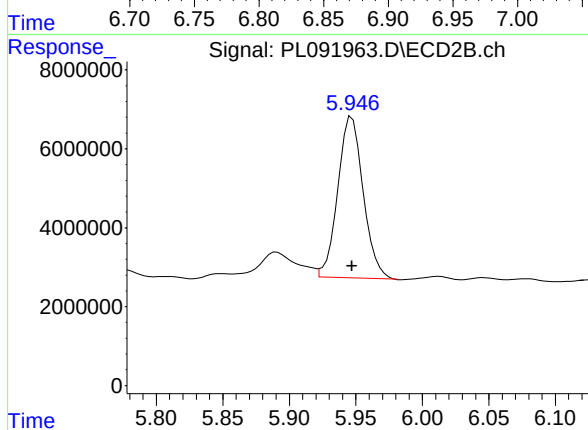
#26 Chlordane-4

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 157779752
Conc: 500.00 ng/ml



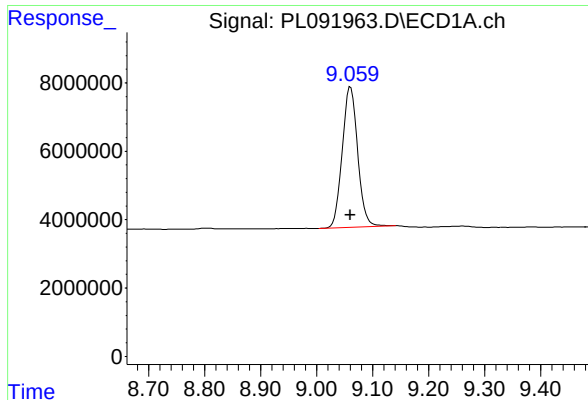
#27 Chlordane-5

R.T.: 6.877 min
Delta R.T.: 0.000 min
Response: 42070403
Conc: 500.00 ng/ml



#27 Chlordane-5

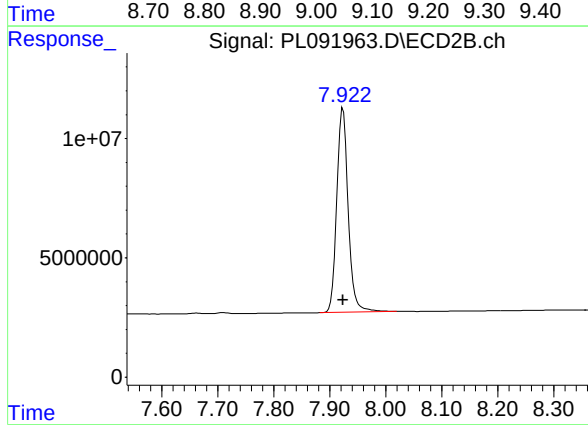
R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 54145786
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 78626748
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 121336825
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
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: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
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...	3.544	2.783	109.5E6	128.2E6	50.000	50.000
7) SA Decachlor...	9.061	7.924	79903287	127.0E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.242	5.013	11332642	9046791	500.000	500.000
3) Toxaphene-2	6.446	5.338	6961013	8635853	500.000	500.000
4) Toxaphene-3	7.064	6.612	35480266	31997930	500.000	500.000
5) Toxaphene-4	7.154	6.740	26925608	44333132	500.000	500.000
6) Toxaphene-5	7.939	7.053	19863490	30174872	500.000	500.000

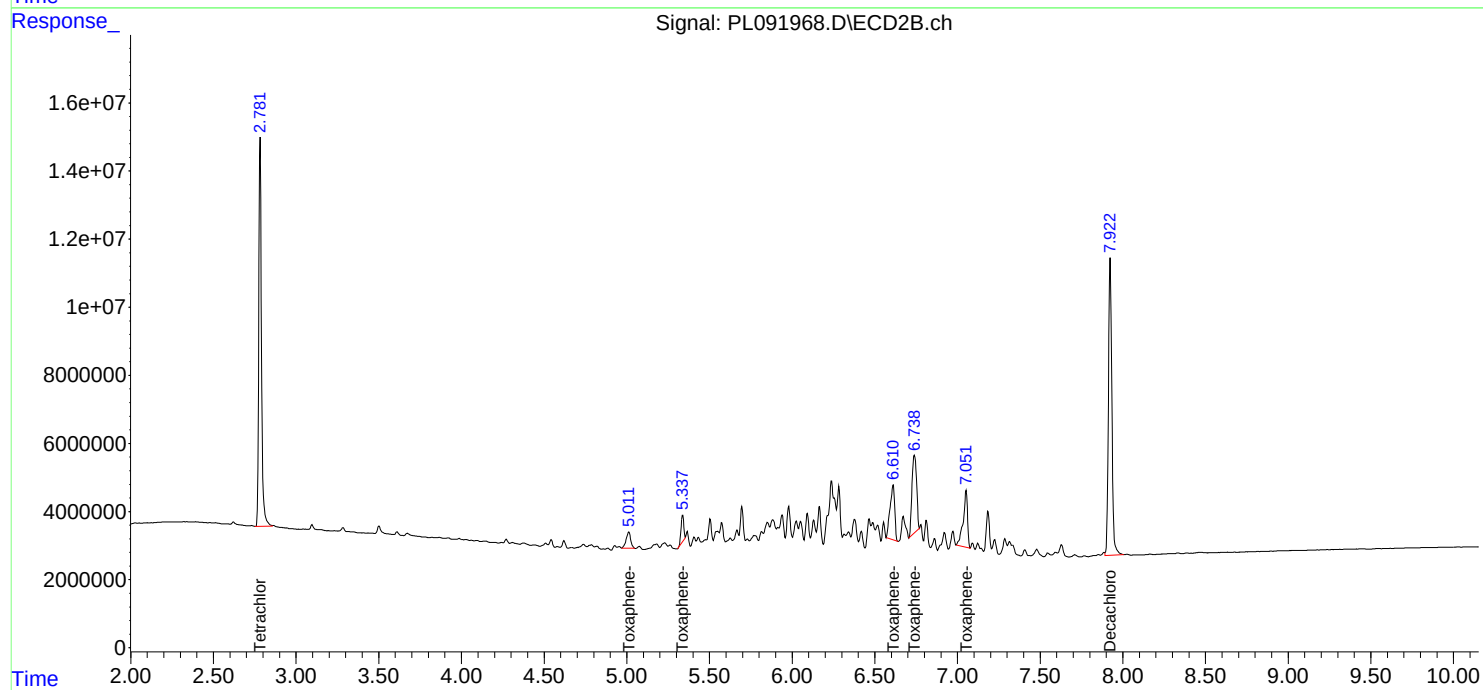
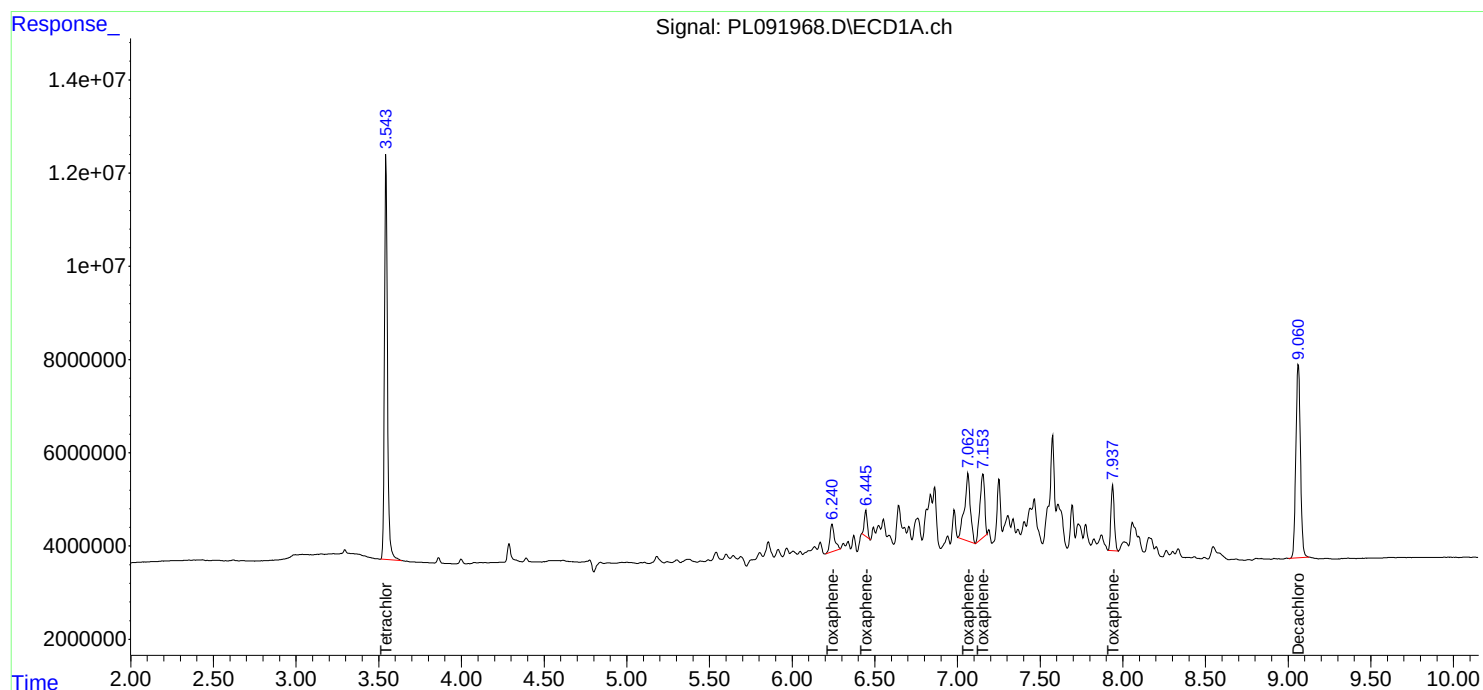
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

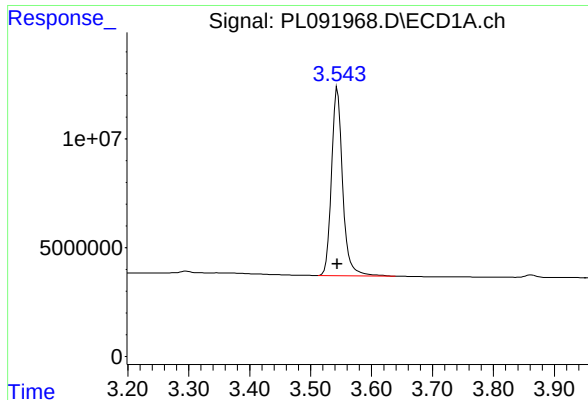
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
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

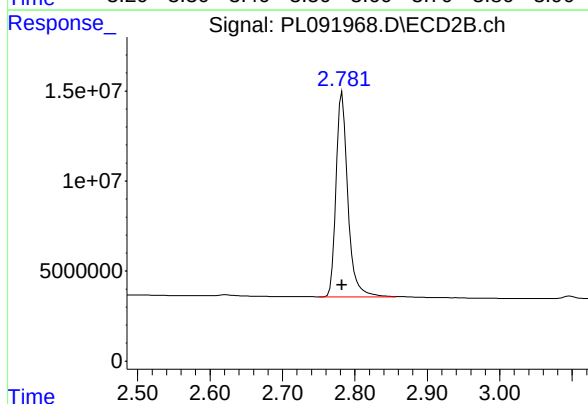




#1 Tetrachloro-m-xylene

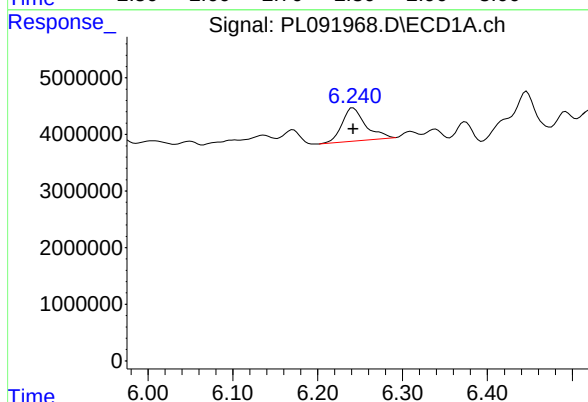
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 109530174
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



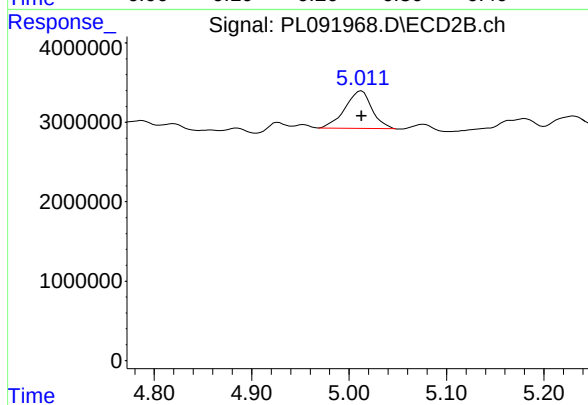
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 128182628
Conc: 50.00 ng/ml



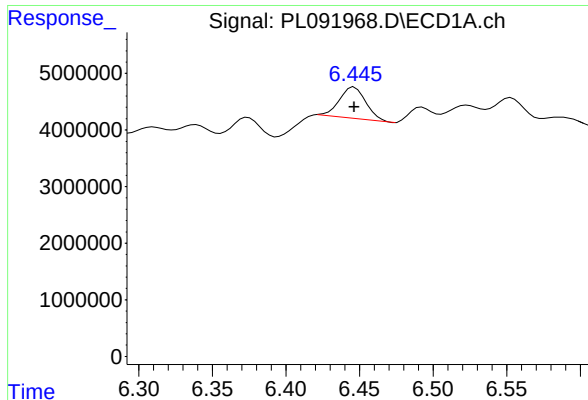
#2 Toxaphene-1

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 11332642
Conc: 500.00 ng/ml



#2 Toxaphene-1

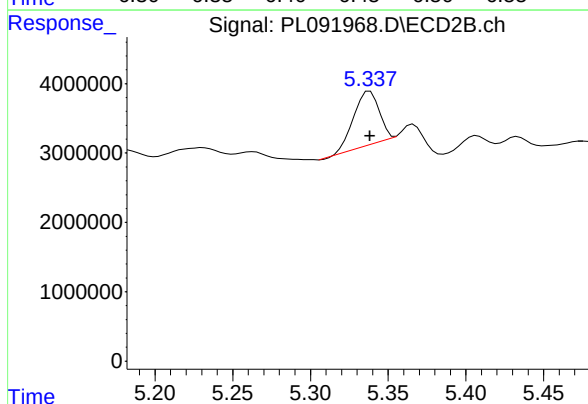
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 9046791
Conc: 500.00 ng/ml



#3 Toxaphene-2

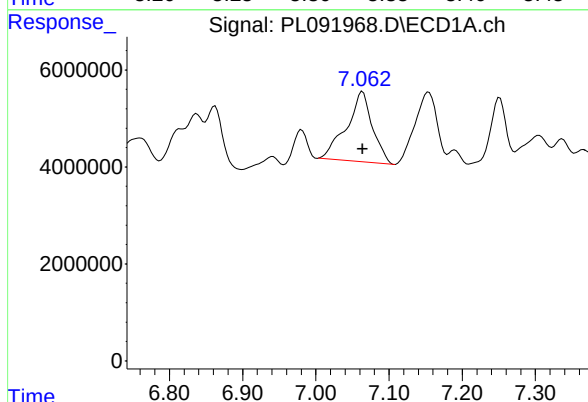
R.T.: 6.446 min
Delta R.T.: 0.000 min
Response: 6961013
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



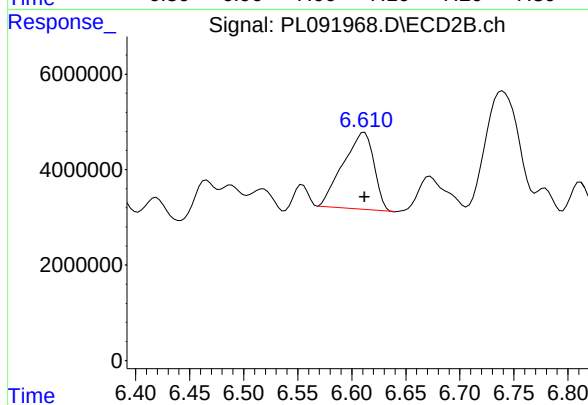
#3 Toxaphene-2

R.T.: 5.338 min
Delta R.T.: 0.000 min
Response: 8635853
Conc: 500.00 ng/ml



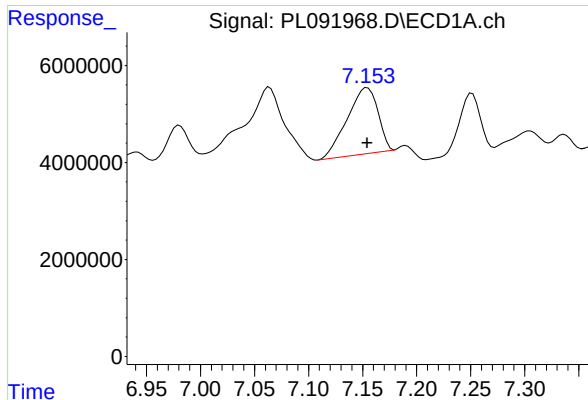
#4 Toxaphene-3

R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 35480266
Conc: 500.00 ng/ml



#4 Toxaphene-3

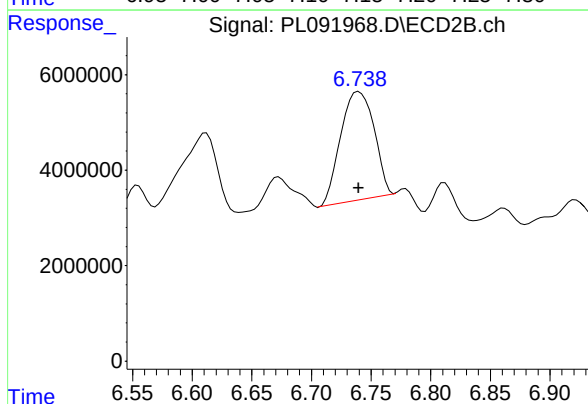
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 31997930
Conc: 500.00 ng/ml



#5 Toxaphene-4

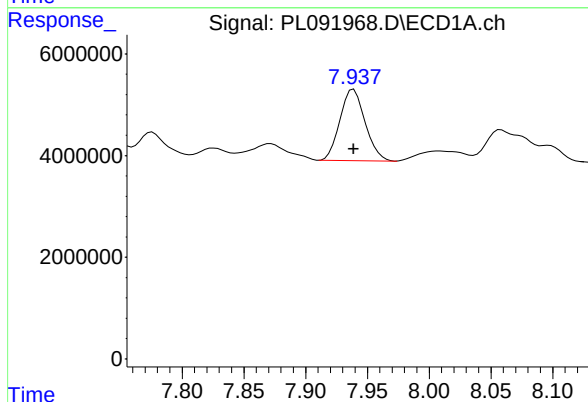
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 26925608
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



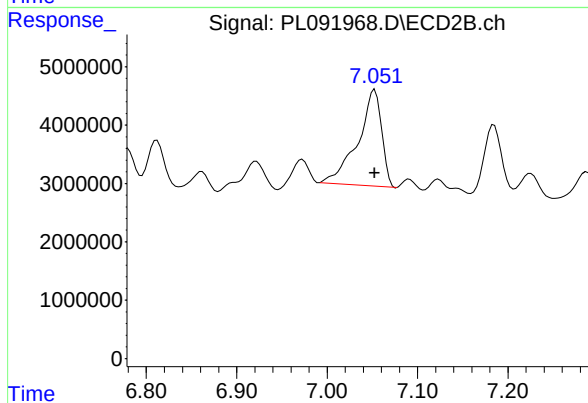
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 44333132
Conc: 500.00 ng/ml



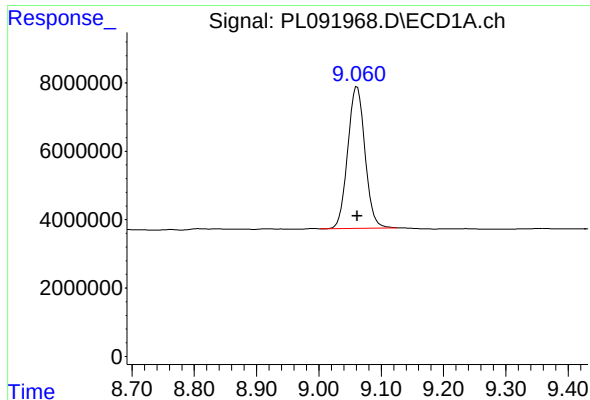
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 19863490
Conc: 500.00 ng/ml



#6 Toxaphene-5

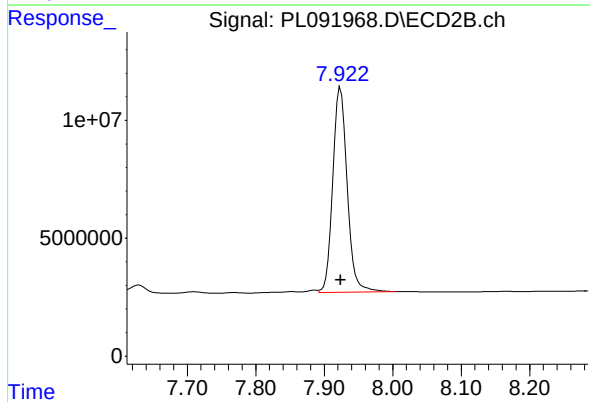
R.T.: 7.053 min
Delta R.T.: 0.000 min
Response: 30174872
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 79903287
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 126970501
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	109.9E6	128.4E6	49.390	51.205
28) SA Decachlor...	9.061	7.924	80630291	124.4E6	49.218	49.714
Target Compounds						
2) A alpha-BHC	4.000	3.286	153.8E6	191.8E6	49.681	52.648
3) MA gamma-BHC...	4.333	3.616	148.6E6	180.9E6	47.945	51.231
4) MA Heptachlor	4.921	3.956	136.9E6	180.2E6	49.499	52.235
5) MB Aldrin	5.263	4.236	131.2E6	170.0E6	47.251	49.996
6) B beta-BHC	4.529	3.916	66146006	76950183	49.870	51.194
7) B delta-BHC	4.777	4.145	137.2E6	174.0E6	47.561	50.106
8) B Heptachlo...	5.689	4.739	123.2E6	152.3E6	48.400	50.380
9) A Endosulfan I	6.075	5.109	112.6E6	141.2E6	48.653	51.437
10) B gamma-Chl...	5.945	4.989	121.7E6	157.8E6	49.229	52.448
11) B alpha-Chl...	6.024	5.052	120.9E6	155.4E6	49.062	51.920
12) B 4,4'-DDE	6.197	5.242	105.6E6	144.3E6	48.782	51.912
13) MA Dieldrin	6.350	5.373	118.3E6	151.6E6	48.519	51.702
14) MA Endrin	6.579	5.649	98509120	136.0E6	47.804	51.857
15) B Endosulfa...	6.799	5.943	105.0E6	130.1E6	47.716	51.995
16) A 4,4'-DDD	6.715	5.796	85129062	110.7E6	47.407	51.804
17) MA 4,4'-DDT	7.029	6.047	91095429	120.5E6	49.476	52.077
18) B Endrin al...	6.929	6.122	80636033	99387650	46.269	48.702
19) B Endosulfa...	7.163	6.345	95965254	123.4E6	48.412	51.142
20) A Methoxychlor	7.504	6.622	48243371	62546426	49.142	50.023
21) B Endrin ke...	7.648	6.851	105.6E6	141.0E6	48.075	50.910
22) Mirex	8.122	7.032	83219849	114.6E6	46.208	47.114

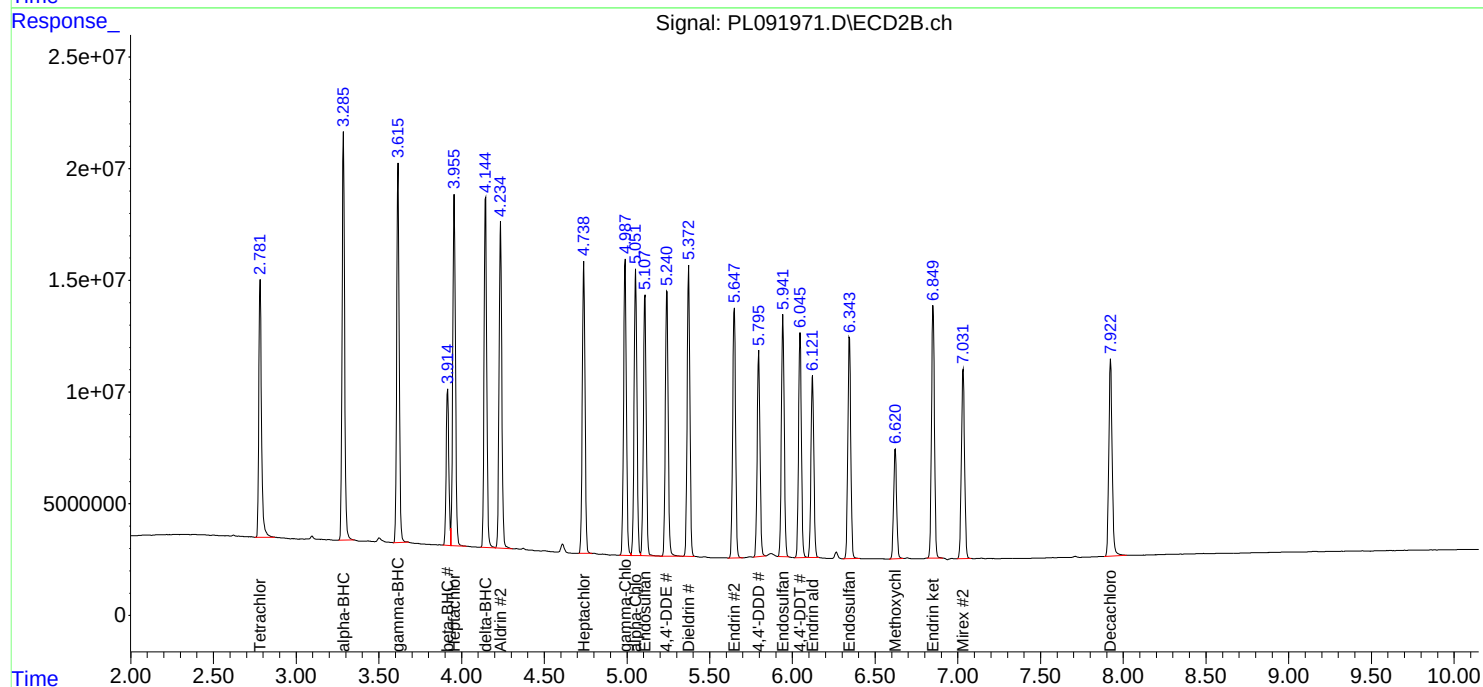
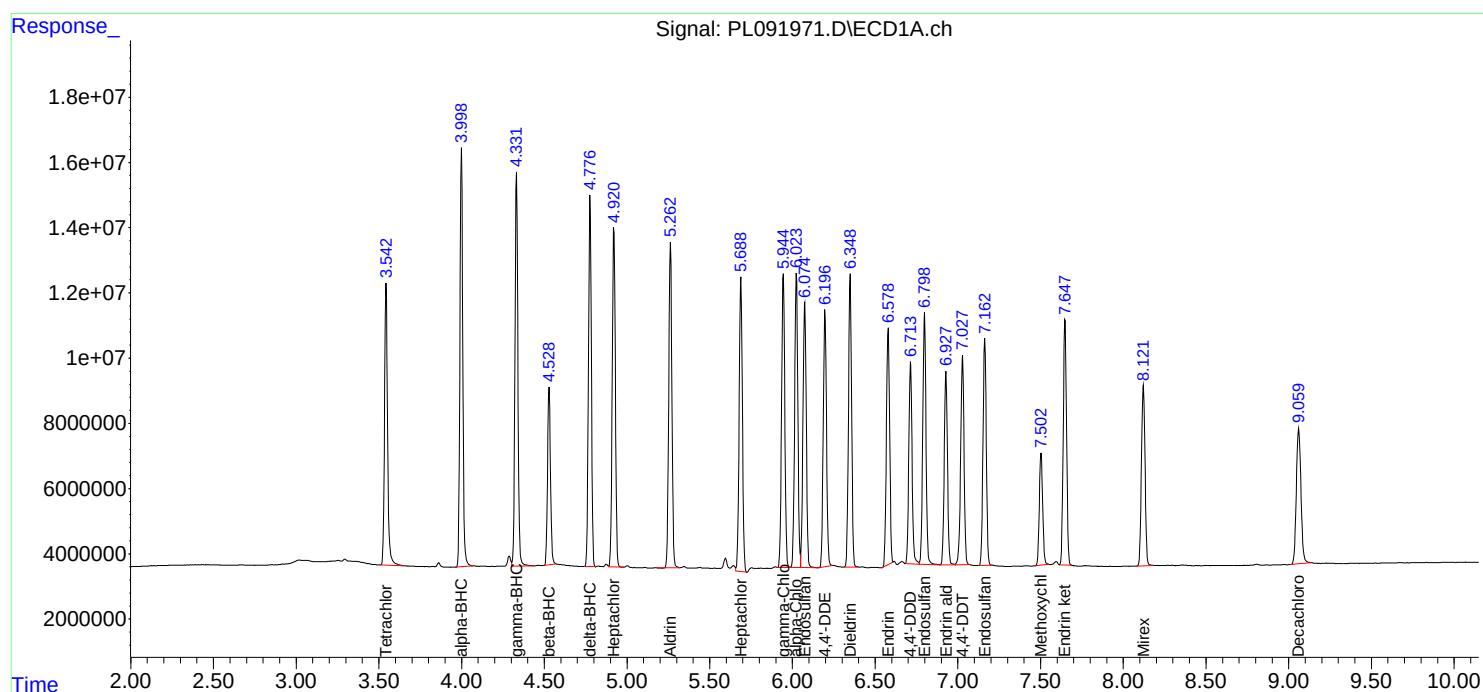
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

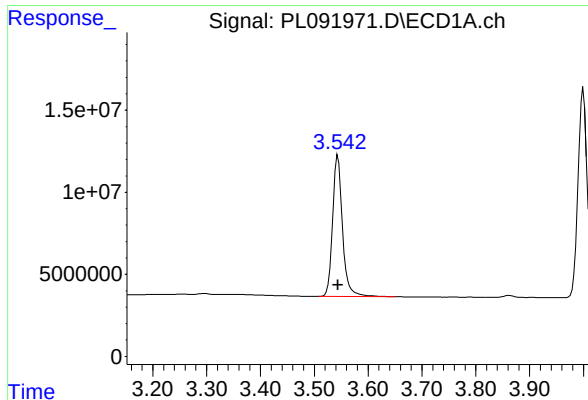
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

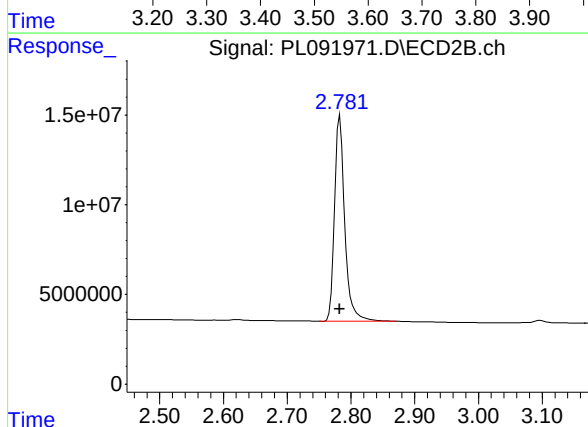




#1 Tetrachloro-m-xylene

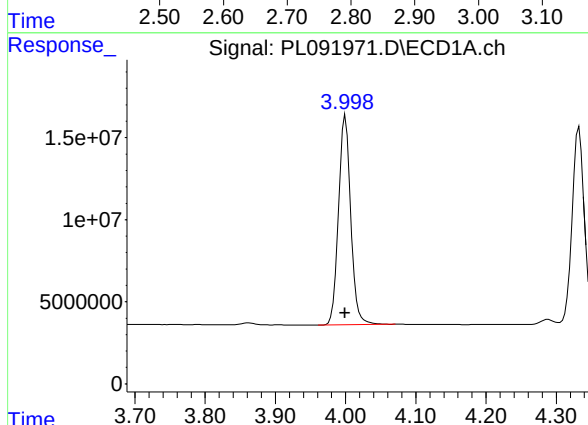
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 109876268
Conc: 49.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



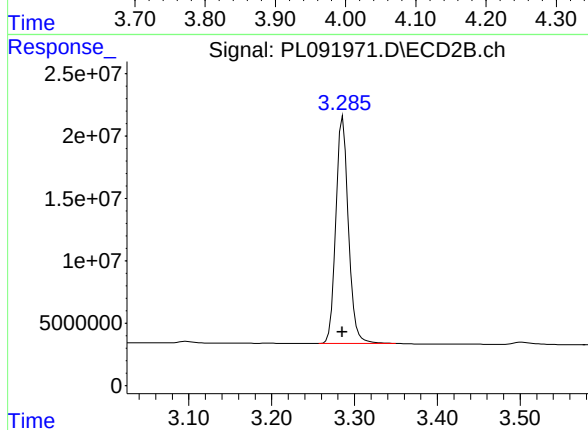
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 128425539
Conc: 51.20 ng/ml



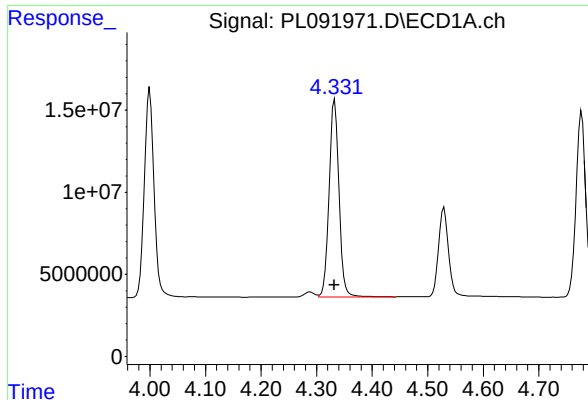
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 153836774
Conc: 49.68 ng/ml



#2 alpha-BHC

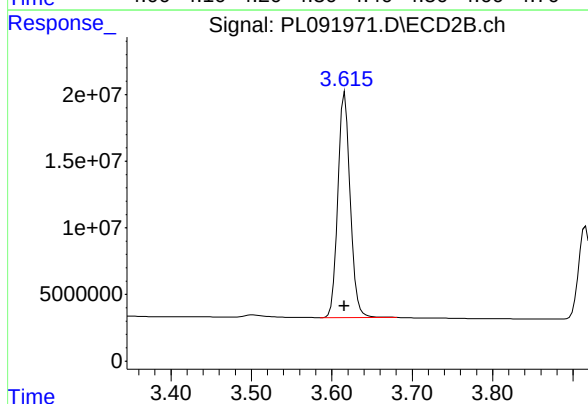
R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 191812400
Conc: 52.65 ng/ml



#3 gamma-BHC (Lindane)

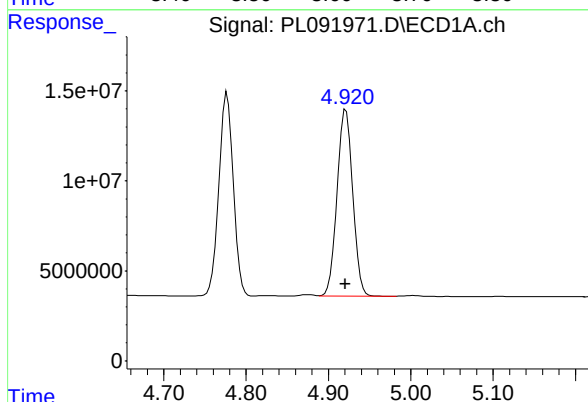
R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 148571679
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



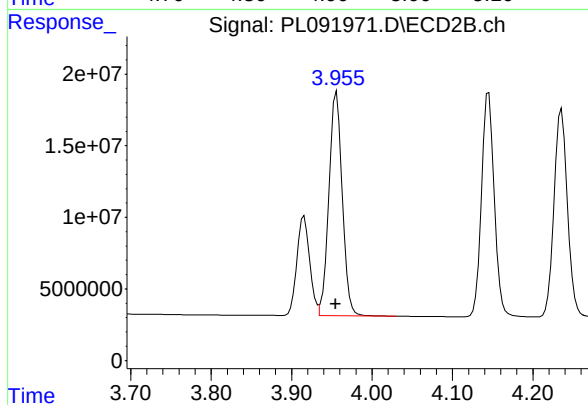
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 180894590
Conc: 51.23 ng/ml



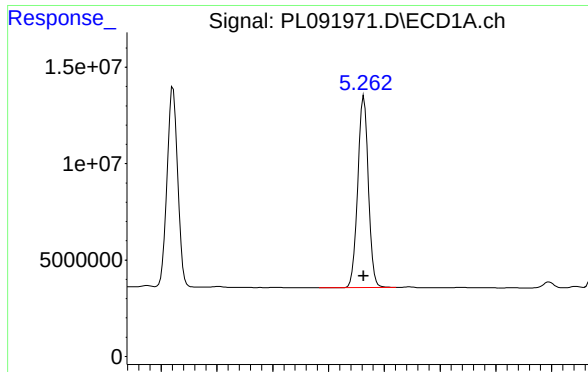
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 136887689
Conc: 49.50 ng/ml



#4 Heptachlor

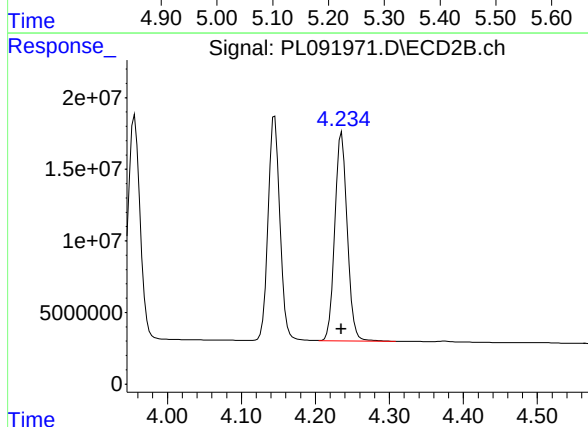
R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 180242286
Conc: 52.23 ng/ml



#5 Aldrin

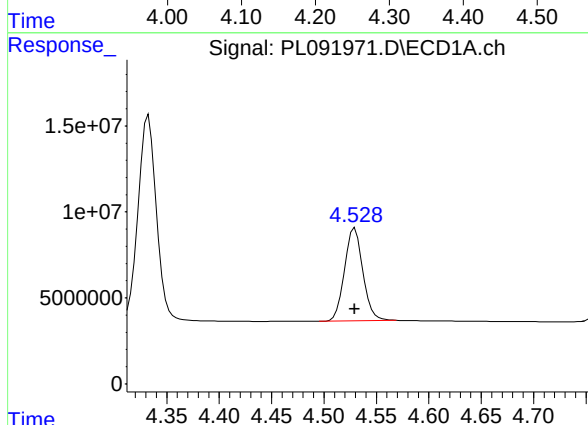
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 131244221
Conc: 47.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



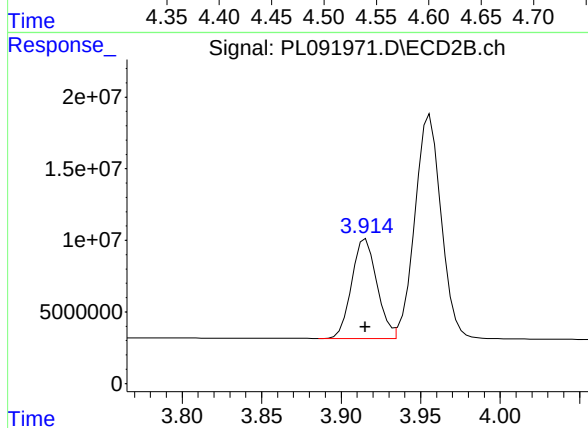
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 170042739
Conc: 50.00 ng/ml



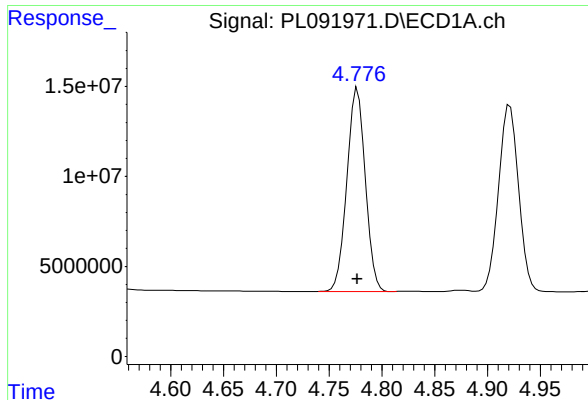
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 66146006
Conc: 49.87 ng/ml



#6 beta-BHC

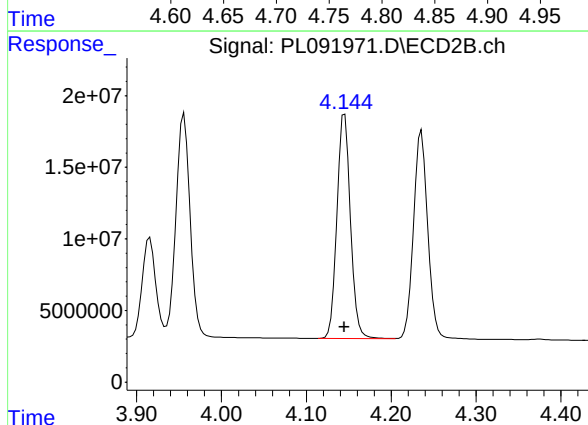
R.T.: 3.916 min
Delta R.T.: 0.000 min
Response: 76950183
Conc: 51.19 ng/ml



#7 delta-BHC

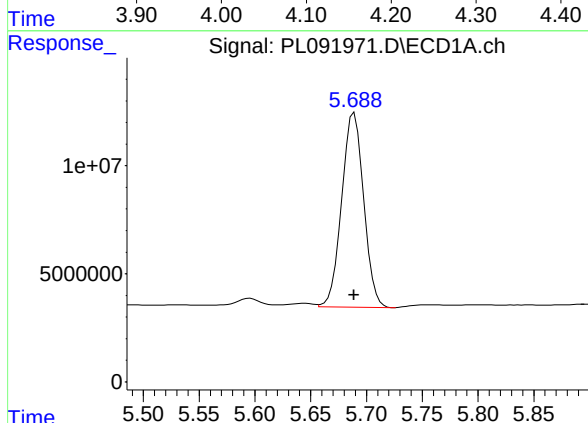
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 137176810
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



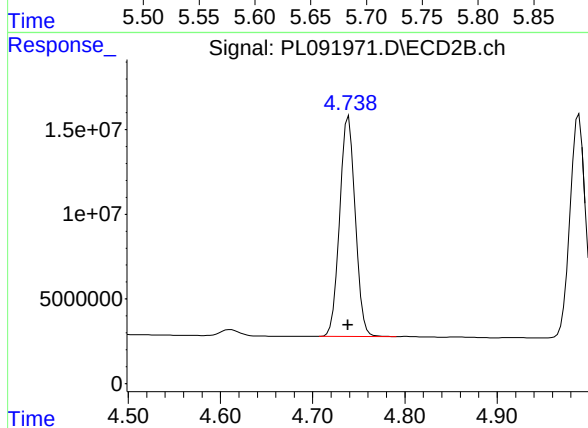
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 173953097
Conc: 50.11 ng/ml



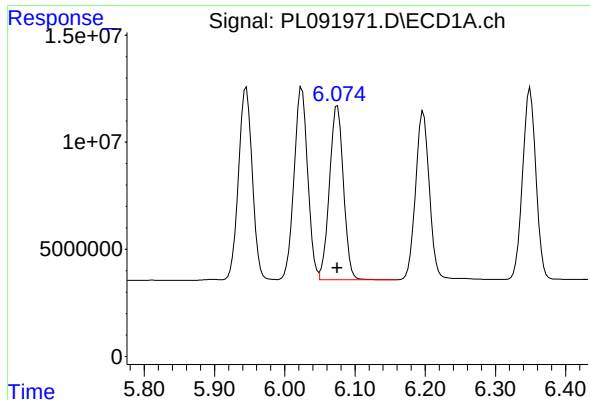
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 123177023
Conc: 48.40 ng/ml



#8 Heptachlor epoxide

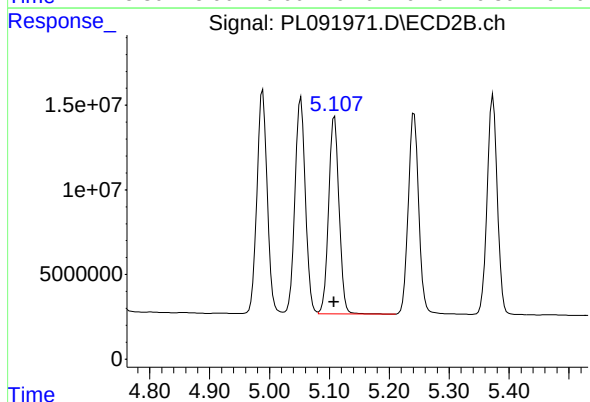
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 152294080
Conc: 50.38 ng/ml



#9 Endosulfan I

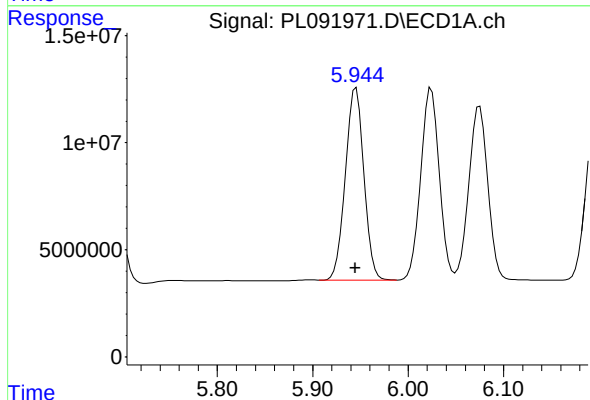
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 112553834
Conc: 48.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



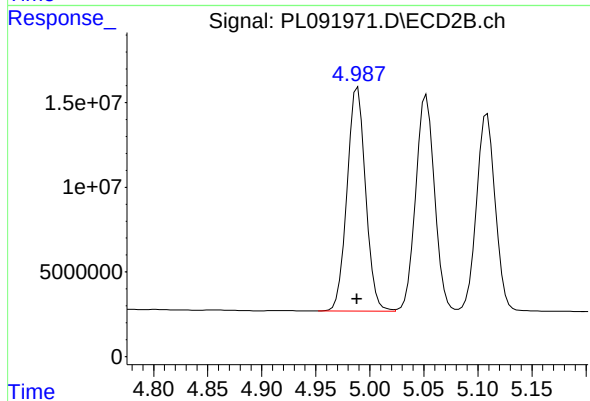
#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 141175786
Conc: 51.44 ng/ml



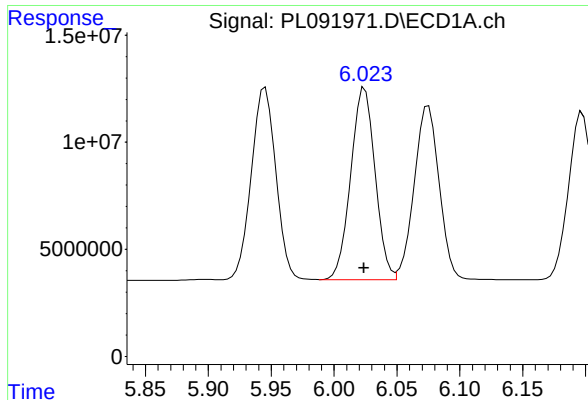
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 121655217
Conc: 49.23 ng/ml



#10 gamma-Chlordane

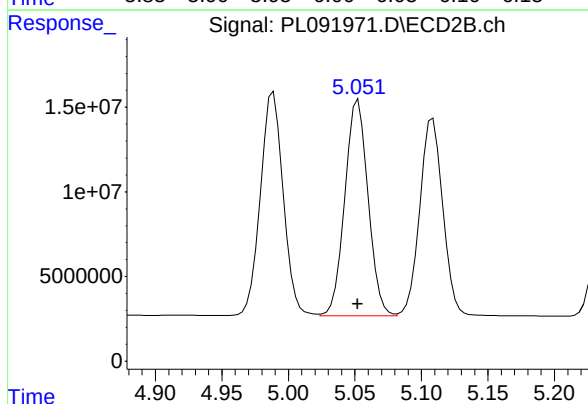
R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 157794225
Conc: 52.45 ng/ml



#11 alpha-Chlordane

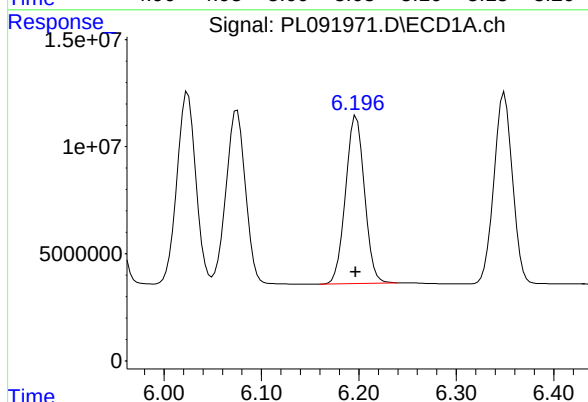
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 120856670
Conc: 49.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



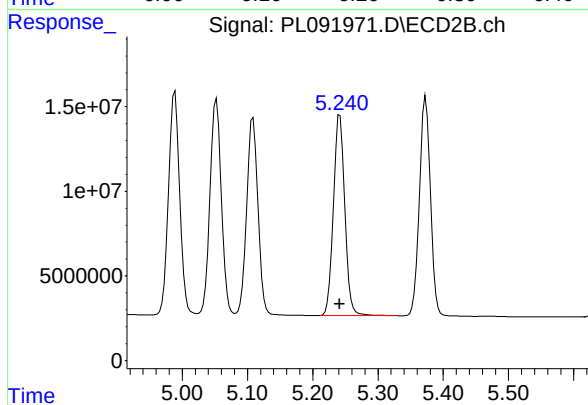
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 155423469
Conc: 51.92 ng/ml



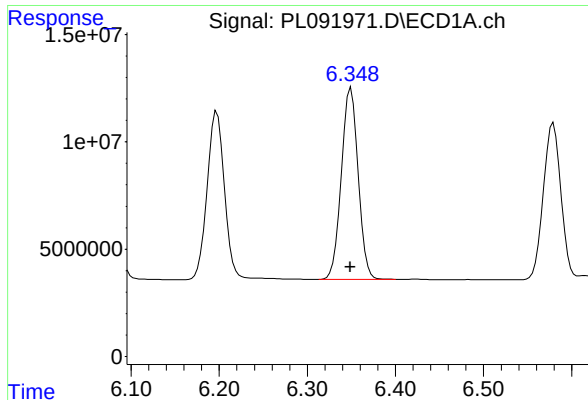
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 105583913
Conc: 48.78 ng/ml



#12 4,4'-DDE

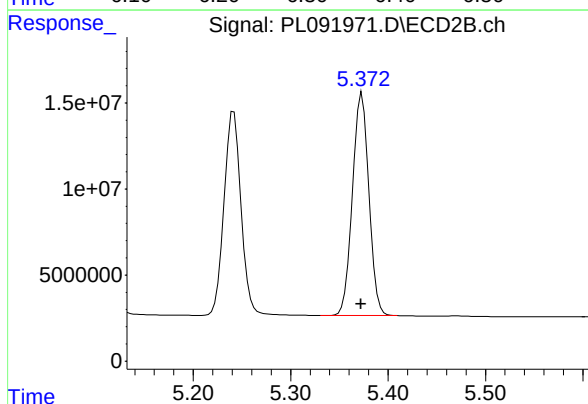
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 144255374
Conc: 51.91 ng/ml



#13 Dieldrin

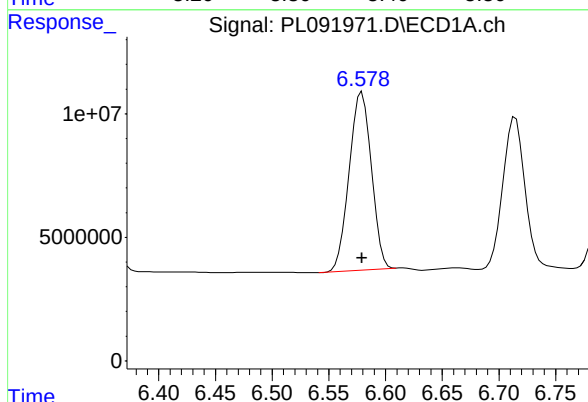
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 118332046
Conc: 48.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



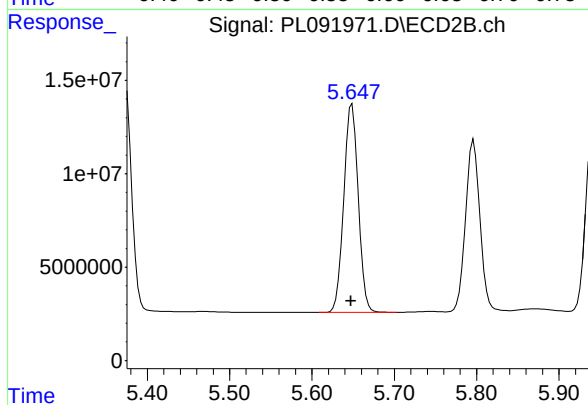
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 151581621
Conc: 51.70 ng/ml



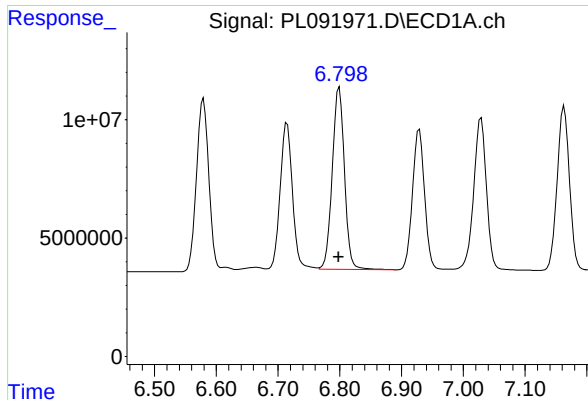
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 98509120
Conc: 47.80 ng/ml



#14 Endrin

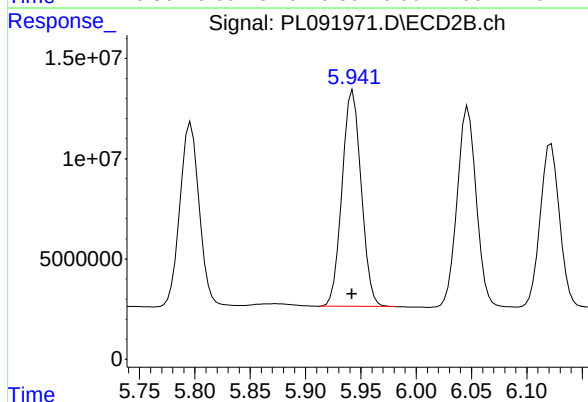
R.T.: 5.649 min
Delta R.T.: 0.001 min
Response: 135979076
Conc: 51.86 ng/ml



#15 Endosulfan II

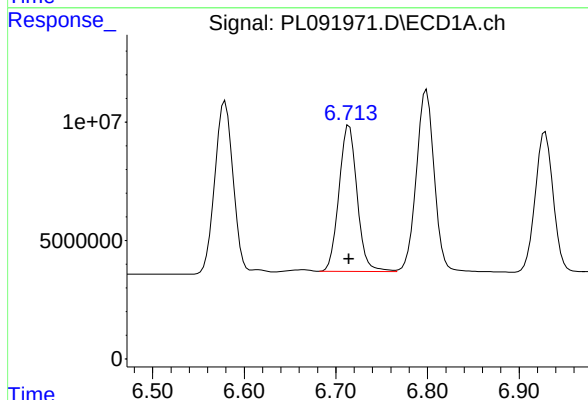
R.T.: 6.799 min
Delta R.T.: 0.001 min
Response: 104961924
Conc: 47.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



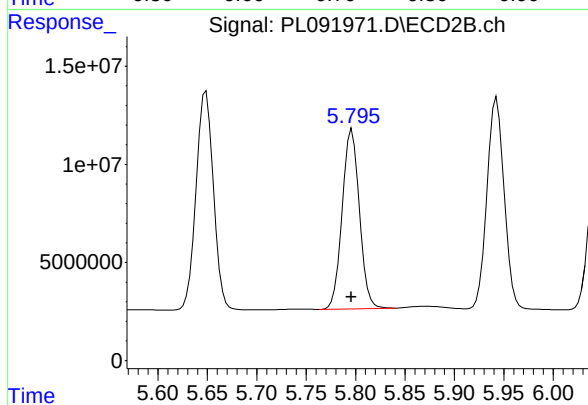
#15 Endosulfan II

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 130113425
Conc: 52.00 ng/ml



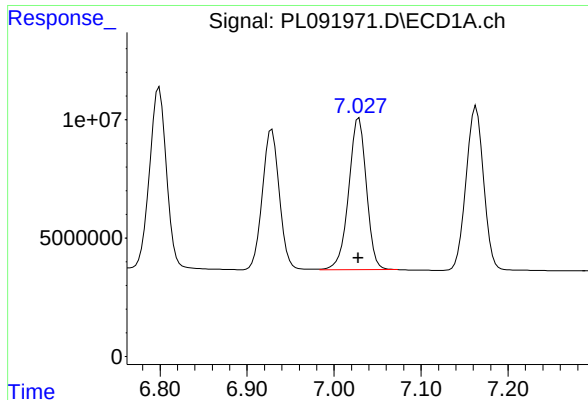
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 85129062
Conc: 47.41 ng/ml



#16 4,4'-DDD

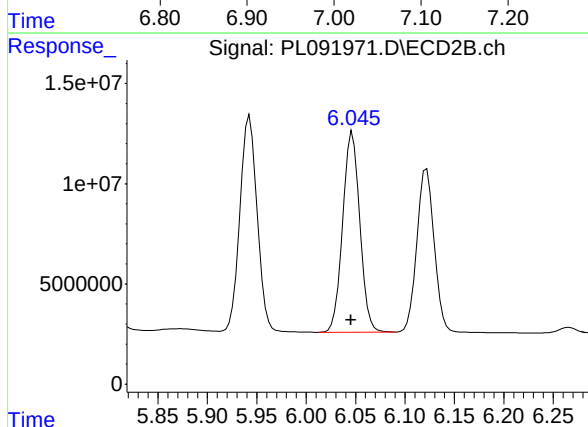
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 110665287
Conc: 51.80 ng/ml



#17 4,4'-DDT

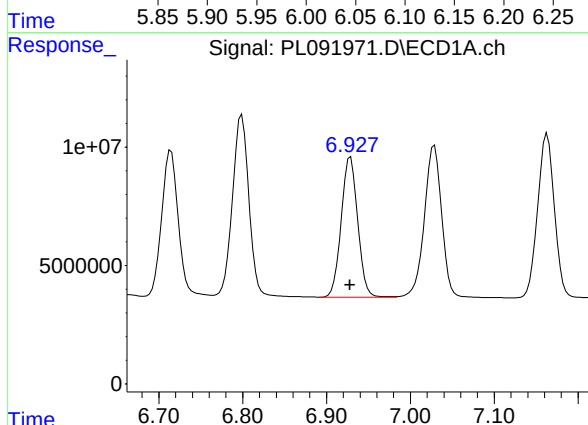
R.T.: 7.029 min
Delta R.T.: 0.000 min
Response: 91095429
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



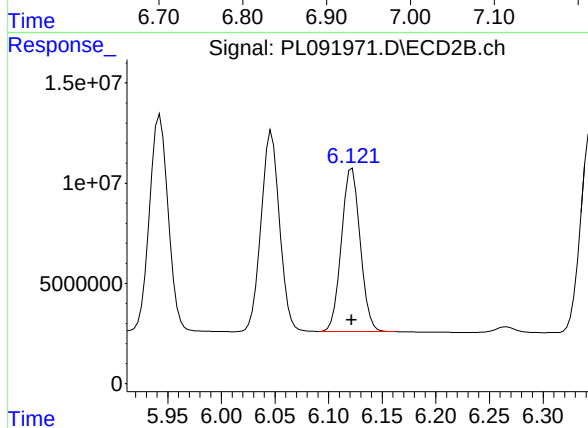
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.001 min
Response: 120462614
Conc: 52.08 ng/ml



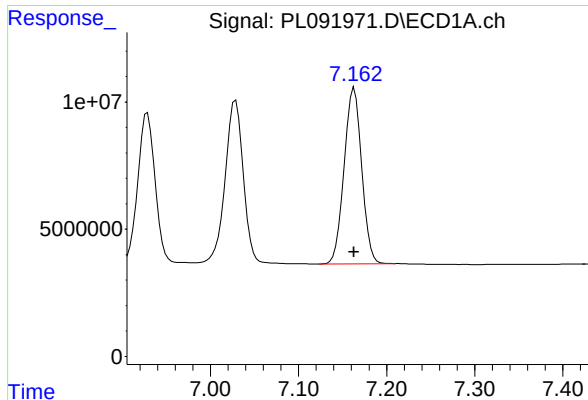
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 80636033
Conc: 46.27 ng/ml



#18 Endrin aldehyde

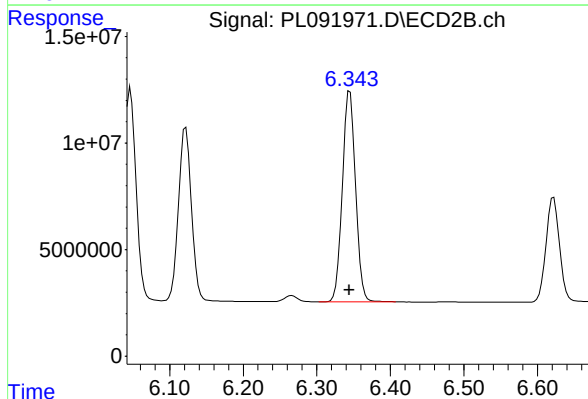
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 99387650
Conc: 48.70 ng/ml



#19 Endosulfan Sulfate

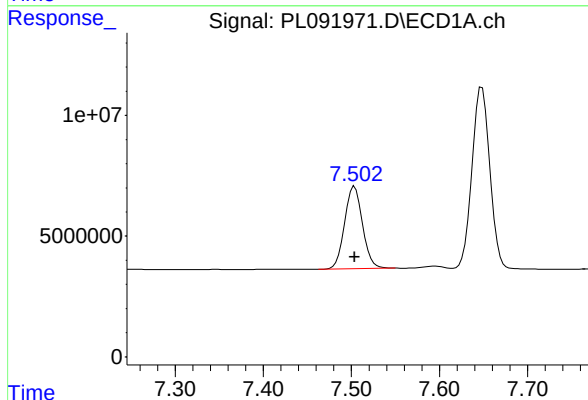
R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 95965254
Conc: 48.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



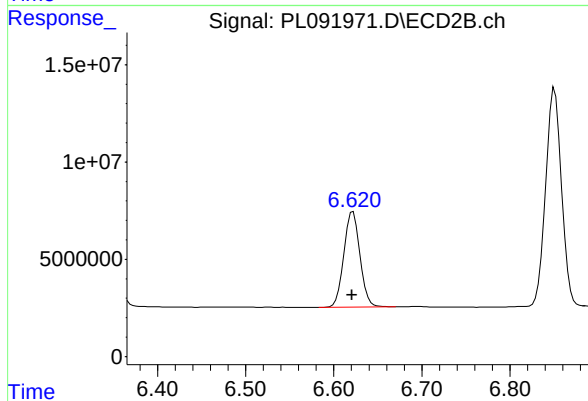
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 123381603
Conc: 51.14 ng/ml



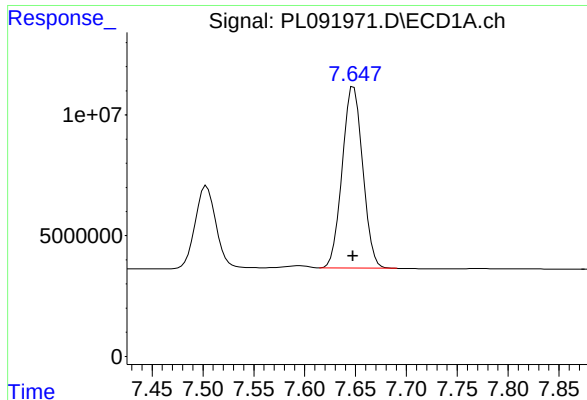
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 48243371
Conc: 49.14 ng/ml



#20 Methoxychlor

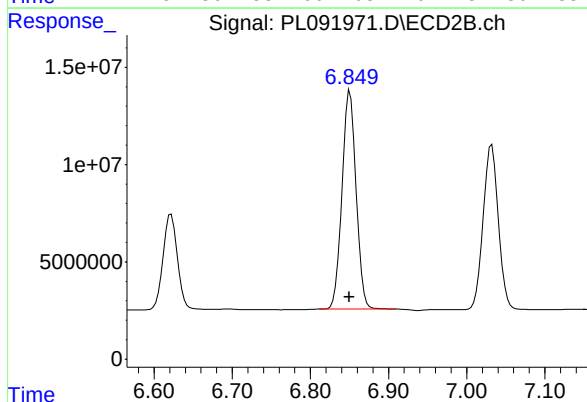
R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 62546426
Conc: 50.02 ng/ml



#21 Endrin ketone

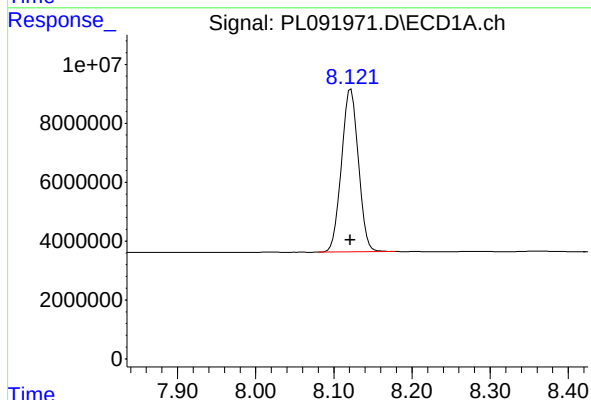
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 105647048
Conc: 48.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



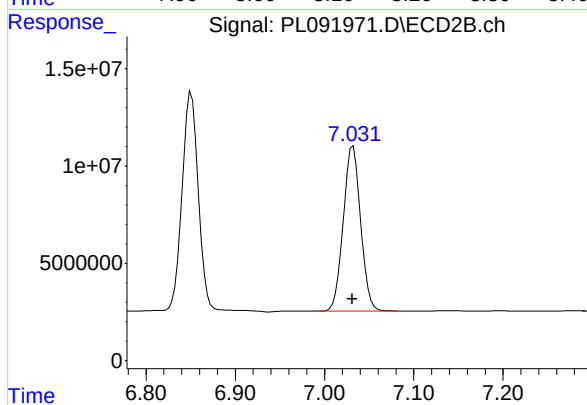
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 140965910
Conc: 50.91 ng/ml



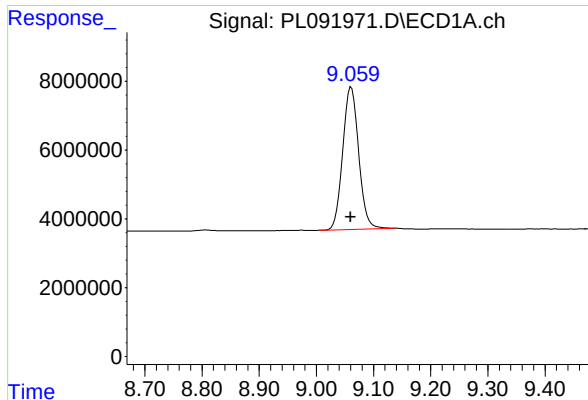
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.000 min
Response: 83219849
Conc: 46.21 ng/ml



#22 Mirex

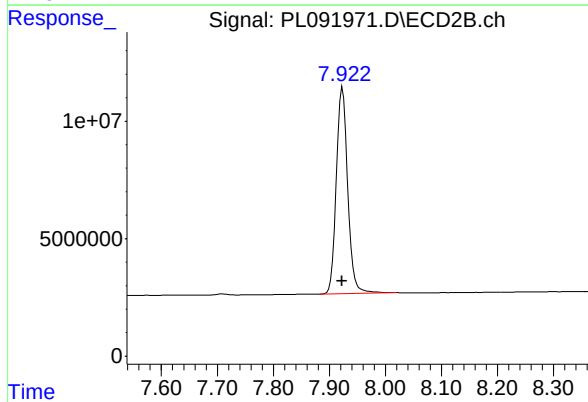
R.T.: 7.032 min
Delta R.T.: 0.000 min
Response: 114612030
Conc: 47.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 80630291
Conc: 49.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 124380654
Conc: 49.71 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:24 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.80	6.70	6.90	0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.92	6.93	6.83	7.03	0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:24 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.93	7.83	8.03	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.35	6.25	6.45	0.01
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL01 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091606.D Time Analyzed: 11:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.614	6.814	50.380	50.000	0.8
4,4'-DDE	6.195	6.096	6.296	52.010	50.000	4.0
4,4'-DDT	7.025	6.928	7.128	51.170	50.000	2.3
Aldrin	5.261	5.162	5.362	51.410	50.000	2.8
alpha-BHC	3.997	3.899	4.099	51.800	50.000	3.6
alpha-Chlordane	6.021	5.923	6.123	52.350	50.000	4.7
beta-BHC	4.527	4.428	4.628	53.390	50.000	6.8
Decachlorobiphenyl	9.056	8.960	9.160	48.210	50.000	-3.6
delta-BHC	4.774	4.676	4.876	48.830	50.000	-2.3
Dieldrin	6.347	6.249	6.449	51.690	50.000	3.4
Endosulfan I	6.072	5.974	6.174	51.030	50.000	2.1
Endosulfan II	6.794	6.698	6.898	50.780	50.000	1.6
Endosulfan sulfate	7.160	7.062	7.262	49.440	50.000	-1.1
Endrin	6.575	6.479	6.679	53.500	50.000	7.0
Endrin aldehyde	6.924	6.829	7.029	48.410	50.000	-3.2
Endrin ketone	7.644	7.547	7.747	49.290	50.000	-1.4
gamma-BHC (Lindane)	4.330	4.232	4.432	52.550	50.000	5.1
gamma-Chlordane	5.942	5.845	6.045	50.370	50.000	0.7
Heptachlor	4.919	4.821	5.021	53.180	50.000	6.4
Heptachlor epoxide	5.687	5.589	5.789	49.590	50.000	-0.8
Methoxychlor	7.501	7.403	7.603	52.370	50.000	4.7
Tetrachloro-m-xylene	3.542	3.444	3.644	51.360	50.000	2.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL01 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091606.D Time Analyzed: 11:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.793	5.697	5.897	53.490	50.000	7.0
4,4'-DDE	5.240	5.142	5.342	57.060	50.000	14.1
4,4'-DDT	6.045	5.947	6.147	56.400	50.000	12.8
Aldrin	4.232	4.136	4.336	56.190	50.000	12.4
alpha-BHC	3.284	3.186	3.386	55.020	50.000	10.0
alpha-Chlordane	5.050	4.953	5.153	55.870	50.000	11.7
beta-BHC	3.913	3.815	4.015	52.190	50.000	4.4
Decachlorobiphenyl	7.921	7.825	8.025	50.900	50.000	1.8
delta-BHC	4.143	4.045	4.245	55.640	50.000	11.3
Dieldrin	5.371	5.274	5.474	55.540	50.000	11.1
Endosulfan I	5.106	5.009	5.209	55.030	50.000	10.1
Endosulfan II	5.941	5.843	6.043	54.340	50.000	8.7
Endosulfan sulfate	6.343	6.246	6.446	53.200	50.000	6.4
Endrin	5.645	5.549	5.749	55.660	50.000	11.3
Endrin aldehyde	6.120	6.023	6.223	53.900	50.000	7.8
Endrin ketone	6.848	6.751	6.951	51.690	50.000	3.4
gamma-BHC (Lindane)	3.614	3.516	3.716	53.960	50.000	7.9
gamma-Chlordane	4.985	4.889	5.089	54.100	50.000	8.2
Heptachlor	3.953	3.856	4.056	55.330	50.000	10.7
Heptachlor epoxide	4.735	4.639	4.839	55.200	50.000	10.4
Methoxychlor	6.619	6.523	6.723	54.800	50.000	9.6
Tetrachloro-m-xylene	2.781	2.683	2.883	54.440	50.000	8.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
 Data File : PL091606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 11:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 05:30:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	80054556	101.8E6	51.363	54.438
28) SA Decachlor...	9.056	7.921	58586381	93994687	48.206	50.903
Target Compounds						
2) A alpha-BHC	3.997	3.284	111.9E6	146.3E6	51.796	55.020
3) MA gamma-BHC...	4.330	3.614	108.0E6	132.7E6	52.551	53.959
4) MA Heptachlor	4.919	3.953	99614893	133.3E6	53.184	55.332
5) MB Aldrin	5.261	4.232	95758181	128.2E6	51.412	56.186m
6) B beta-BHC	4.527	3.913	48583758	57010583	53.388	52.185
7) B delta-BHC	4.774	4.143	93810121	128.0E6	48.830	55.644
8) B Heptachlo...	5.687	4.735	82743985	116.3E6	49.585	55.199m
9) A Endosulfan I	6.072	5.106	79506093	106.2E6	51.027	55.032
10) B gamma-Chl...	5.942	4.985	84150350	119.3E6	50.366	54.101m
11) B alpha-Chl...	6.021	5.050	84386013	115.6E6	52.354	55.872
12) B 4,4'-DDE	6.195	5.240	75867910	108.2E6	52.012	57.059
13) MA Dieldrin	6.347	5.371	84344962	114.2E6	51.690	55.537
14) MA Endrin	6.575	5.645	71132222	105.0E6	53.495m	55.662m
15) B Endosulfa...	6.794	5.941	78713024	96130488	50.782m	54.344
16) A 4,4'-DDD	6.711	5.793	63860334	89628199	50.381	53.485m
17) MA 4,4'-DDT	7.025	6.045	67122566	90625147	51.170	56.402
18) B Endrin al...	6.924	6.120	57511873	73688510	48.405m	53.904
19) B Endosulfa...	7.160	6.343	69042452	91293036	49.443	53.198
20) A Methoxychlor	7.501	6.619	35429713	48536467	52.375	54.796
21) B Endrin ke...	7.644	6.848	76213040	104.0E6	49.287	51.689
22) Mirex	8.118	7.029	59315076	84691469	49.535	47.761

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 11:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

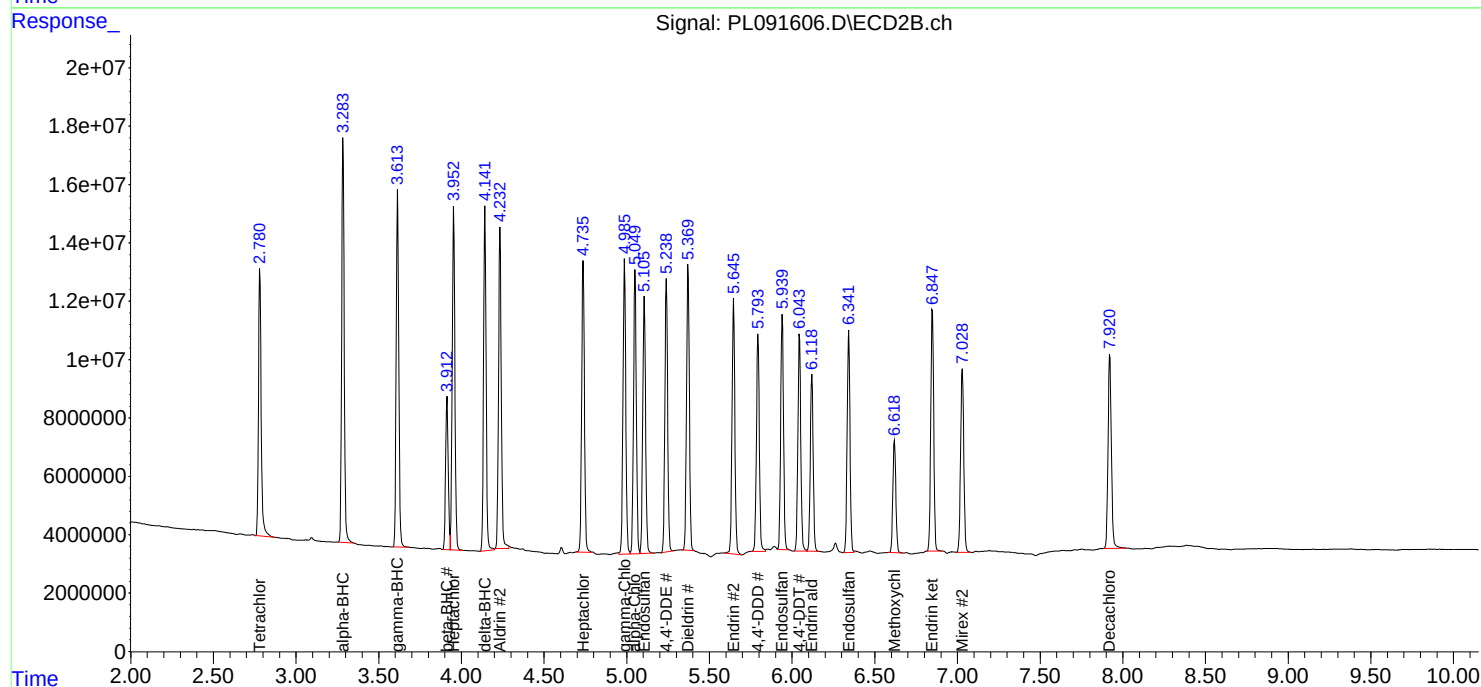
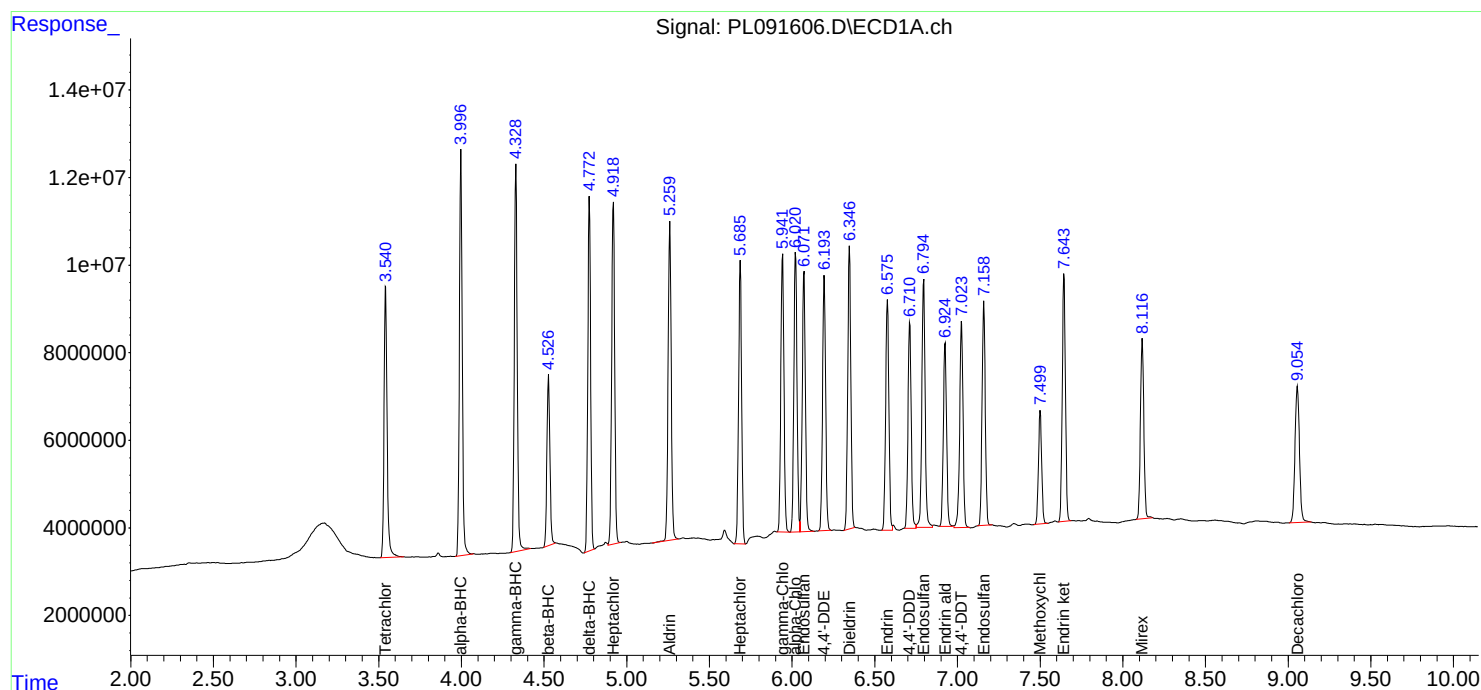
Manual Integrations

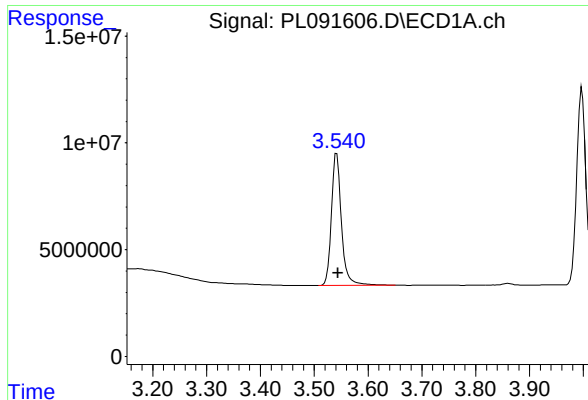
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:30:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





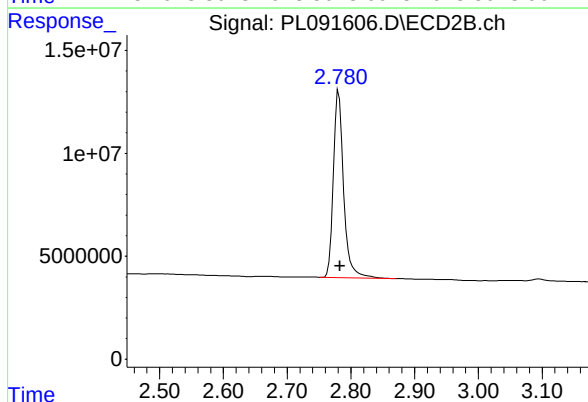
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 80054556
Conc: 51.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

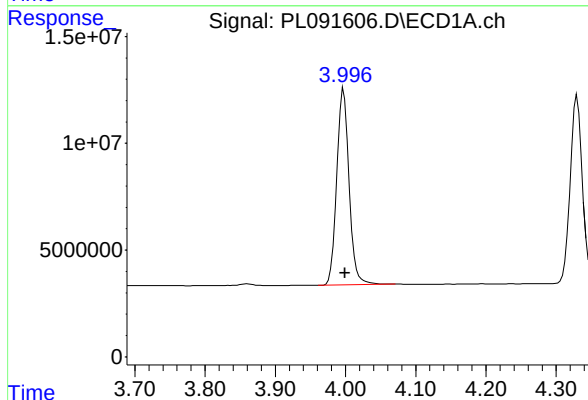
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



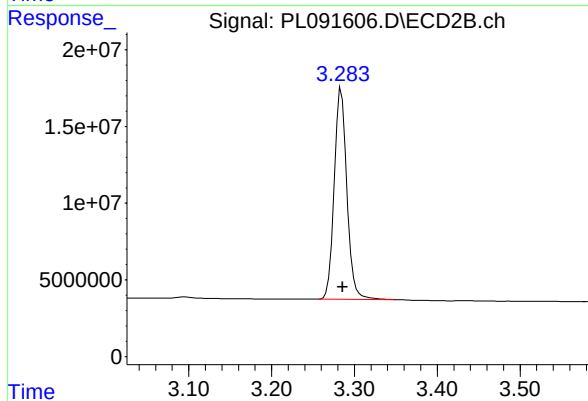
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.002 min
Response: 101816190
Conc: 54.44 ng/ml



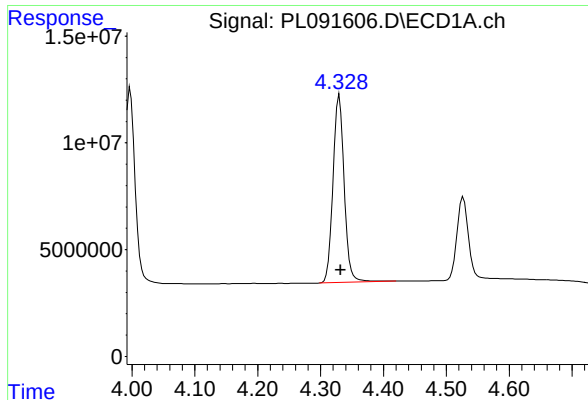
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.002 min
Response: 111874708
Conc: 51.80 ng/ml



#2 alpha-BHC

R.T.: 3.284 min
Delta R.T.: -0.002 min
Response: 146329542
Conc: 55.02 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 108029493
Conc: 52.55 ng/ml

Instrument :

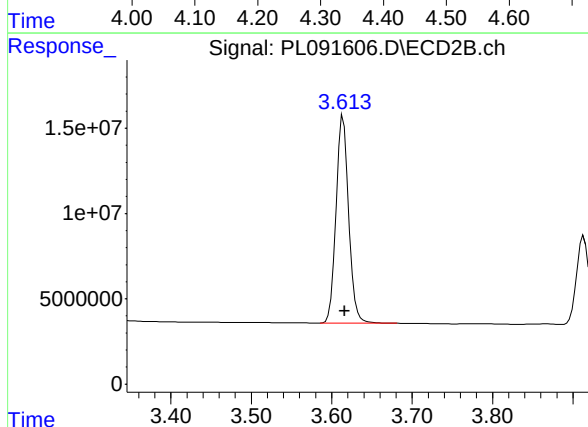
ECD_L

ClientSampleId :

PSTDCCC050

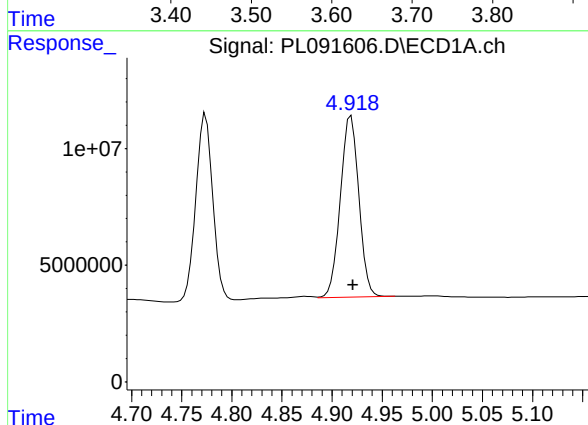
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



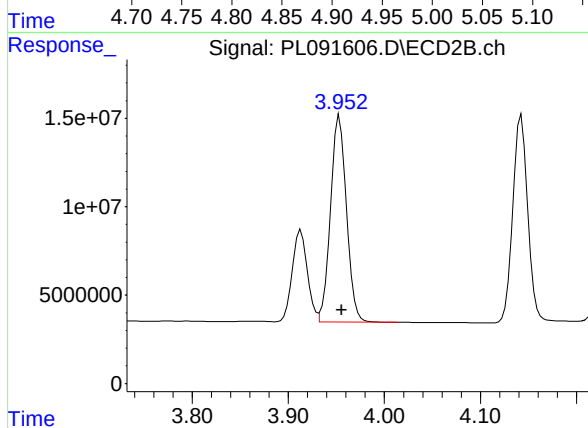
#3 gamma-BHC (Lindane)

R.T.: 3.614 min
Delta R.T.: -0.002 min
Response: 132710872
Conc: 53.96 ng/ml



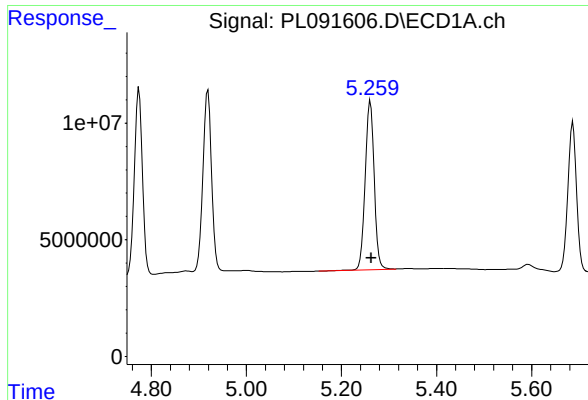
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: -0.002 min
Response: 99614893
Conc: 53.18 ng/ml



#4 Heptachlor

R.T.: 3.953 min
Delta R.T.: -0.002 min
Response: 133255952
Conc: 55.33 ng/ml



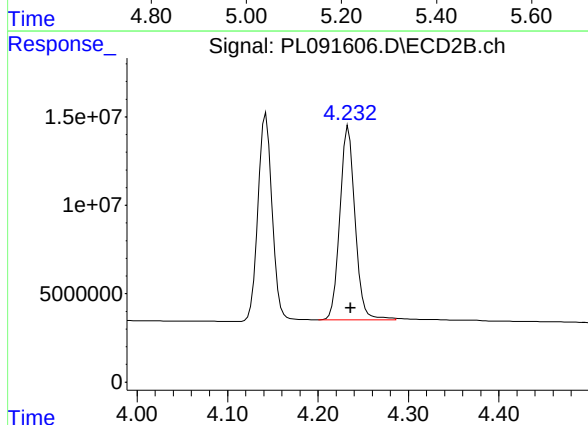
#5 Aldrin

R.T.: 5.261 min
Delta R.T.: -0.002 min
Response: 95758181
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

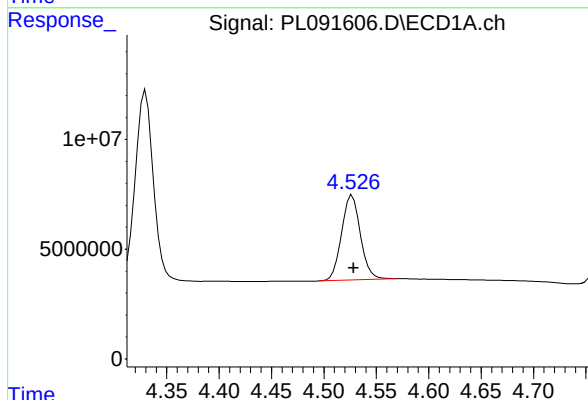
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



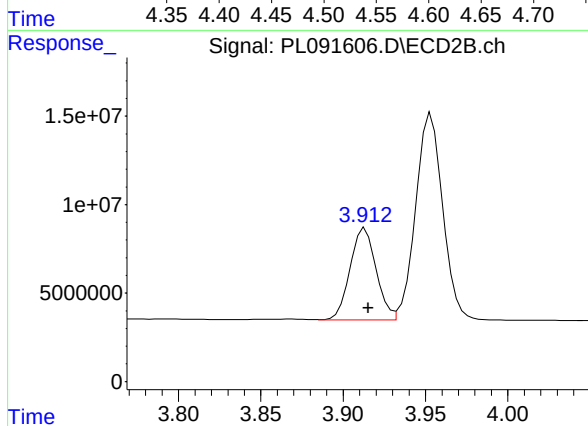
#5 Aldrin

R.T.: 4.232 min
Delta R.T.: -0.004 min
Response: 128187858
Conc: 56.19 ng/ml



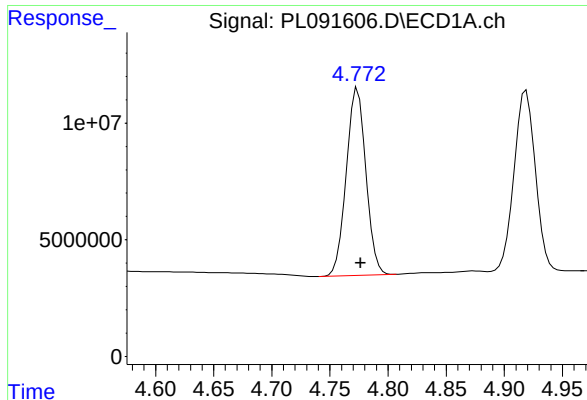
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: -0.002 min
Response: 48583758
Conc: 53.39 ng/ml



#6 beta-BHC

R.T.: 3.913 min
Delta R.T.: -0.002 min
Response: 57010583
Conc: 52.19 ng/ml



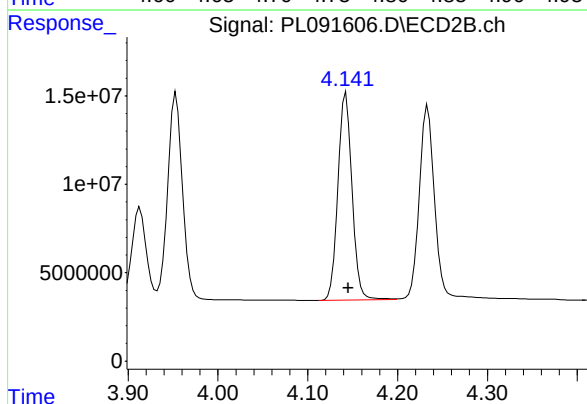
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: -0.002 min
Response: 93810121
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

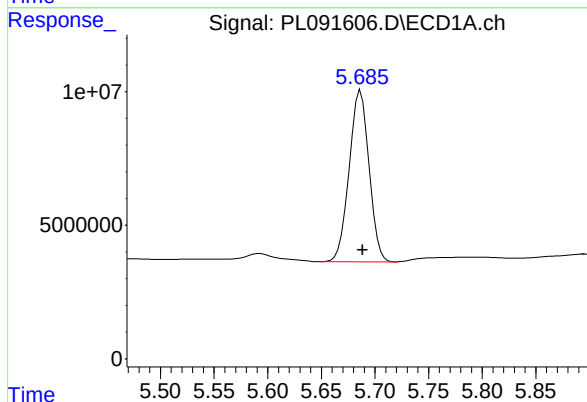
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



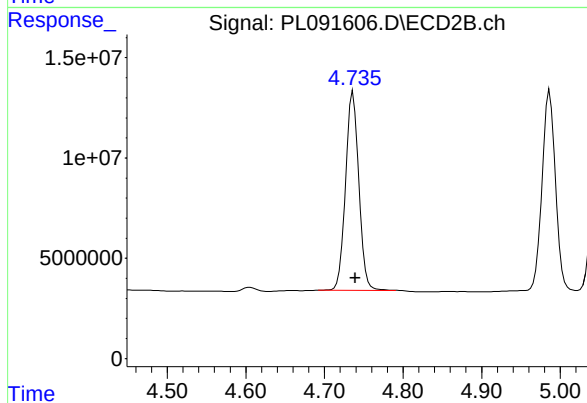
#7 delta-BHC

R.T.: 4.143 min
Delta R.T.: -0.002 min
Response: 128021039
Conc: 55.64 ng/ml



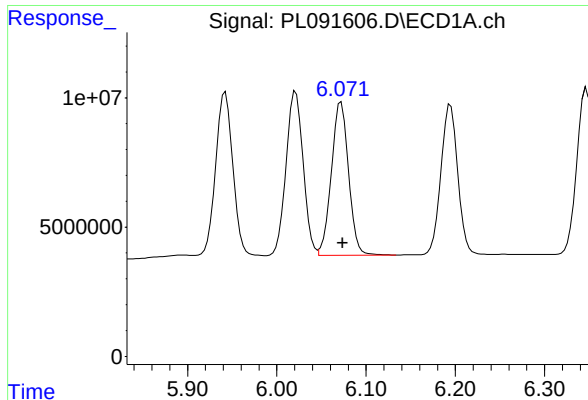
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 82743985
Conc: 49.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.735 min
Delta R.T.: -0.004 min
Response: 116344935
Conc: 55.20 ng/ml m



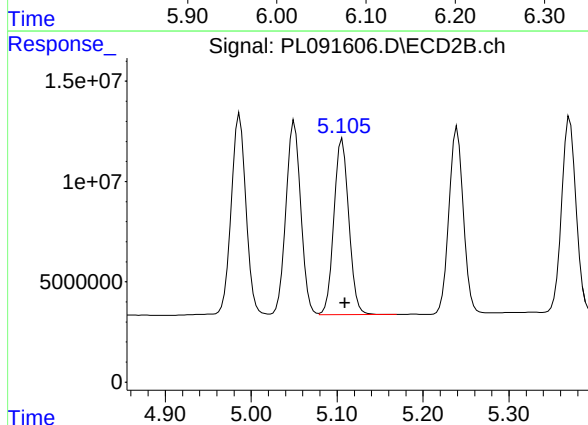
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 79506093
Conc: 51.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

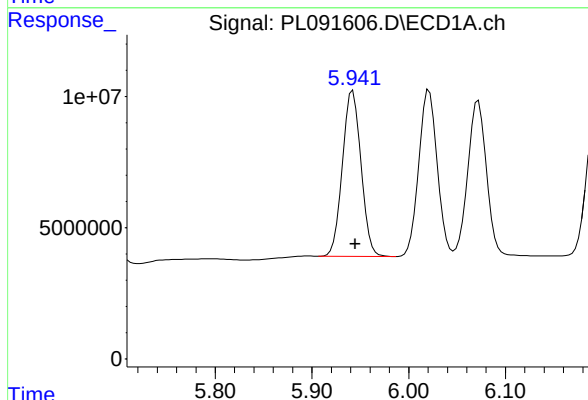
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



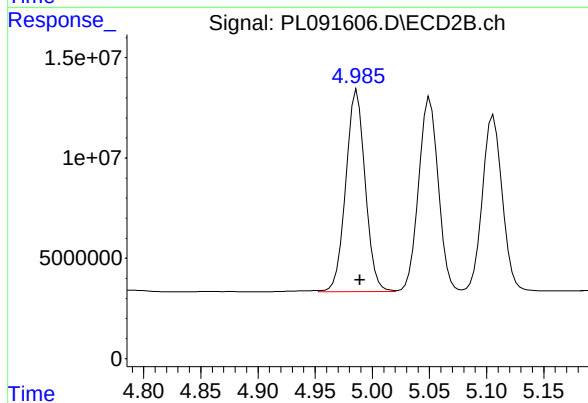
#9 Endosulfan I

R.T.: 5.106 min
Delta R.T.: -0.003 min
Response: 106176221
Conc: 55.03 ng/ml



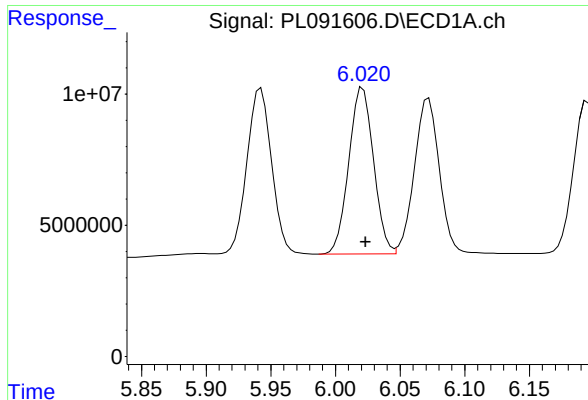
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 84150350
Conc: 50.37 ng/ml



#10 gamma-Chlordane

R.T.: 4.985 min
Delta R.T.: -0.004 min
Response: 119329693
Conc: 54.10 ng/ml m



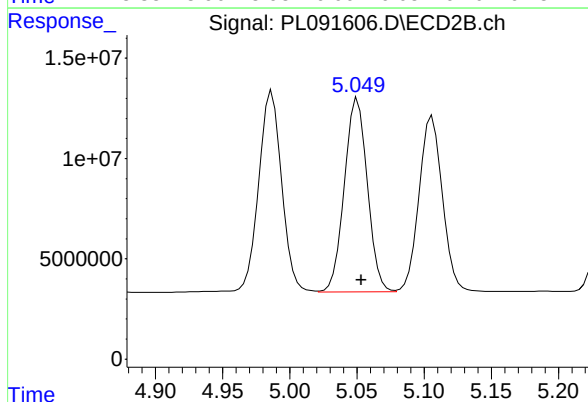
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: -0.002 min
Response: 84386013
Conc: 52.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

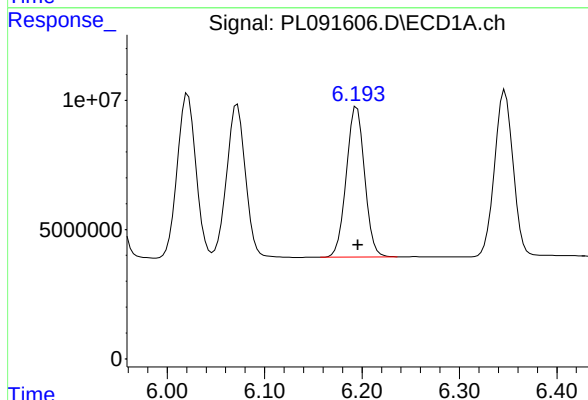
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



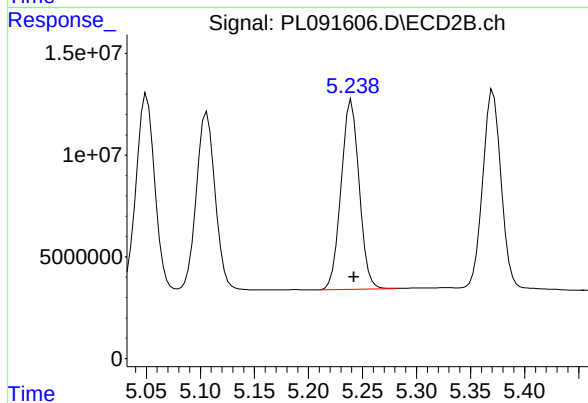
#11 alpha-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.003 min
Response: 115599209
Conc: 55.87 ng/ml



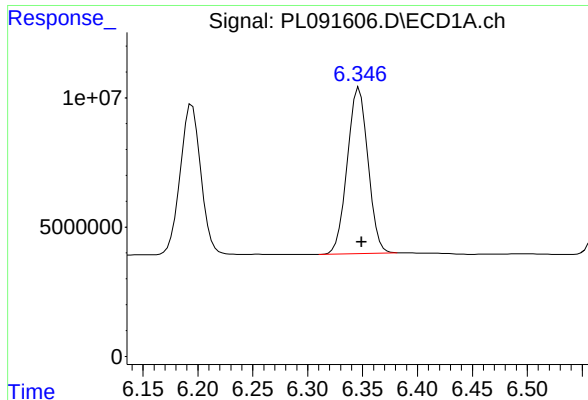
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.002 min
Response: 75867910
Conc: 52.01 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 108224442
Conc: 57.06 ng/ml



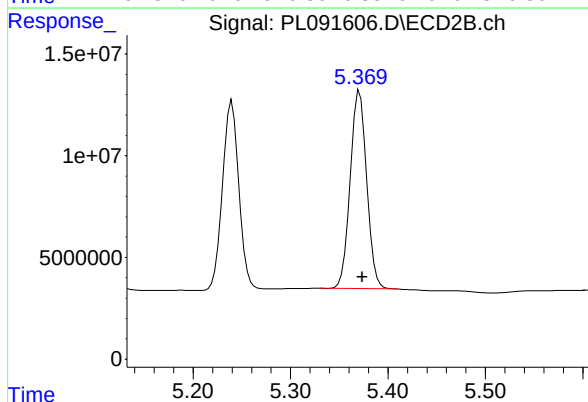
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: -0.002 min
Response: 84344962
Conc: 51.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

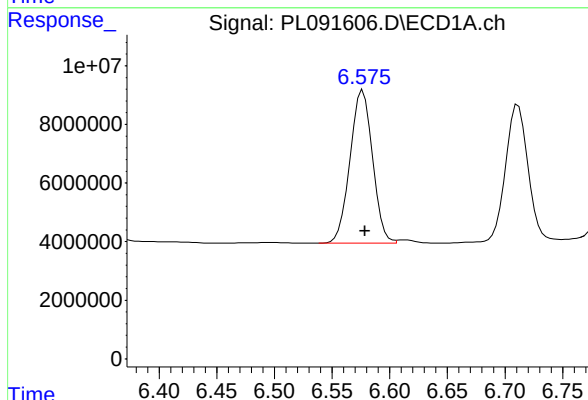
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



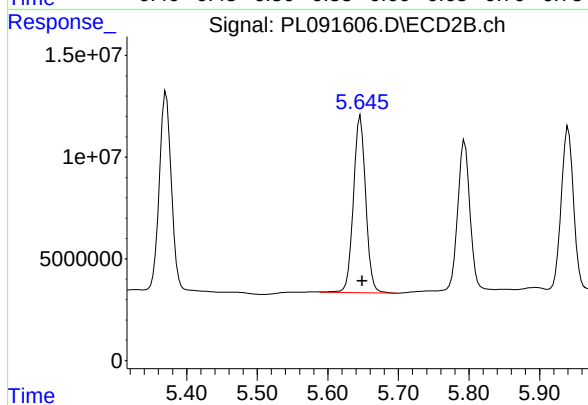
#13 Dieldrin

R.T.: 5.371 min
Delta R.T.: -0.003 min
Response: 114152408
Conc: 55.54 ng/ml



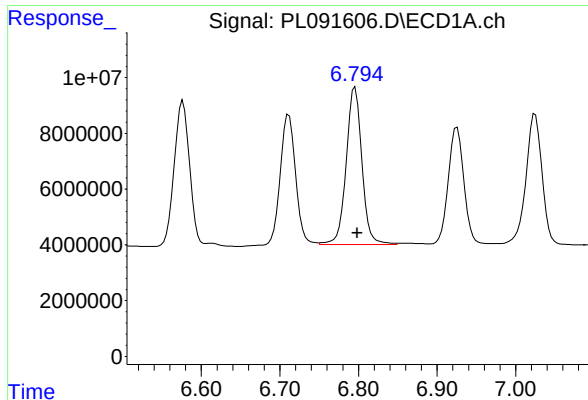
#14 Endrin

R.T.: 6.575 min
Delta R.T.: -0.003 min
Response: 71132222
Conc: 53.50 ng/ml m



#14 Endrin

R.T.: 5.645 min
Delta R.T.: -0.004 min
Response: 105044085
Conc: 55.66 ng/ml m



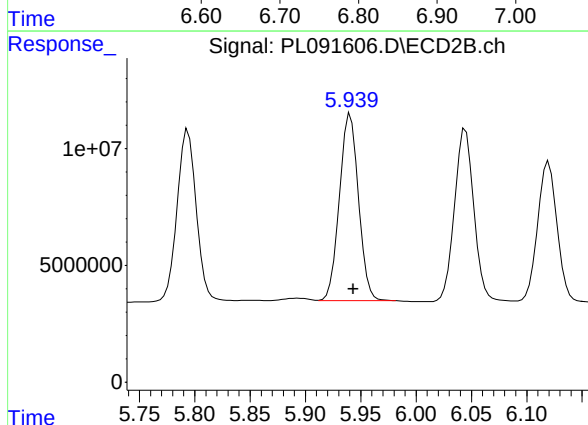
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: -0.004 min
Response: 78713024
Conc: 50.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

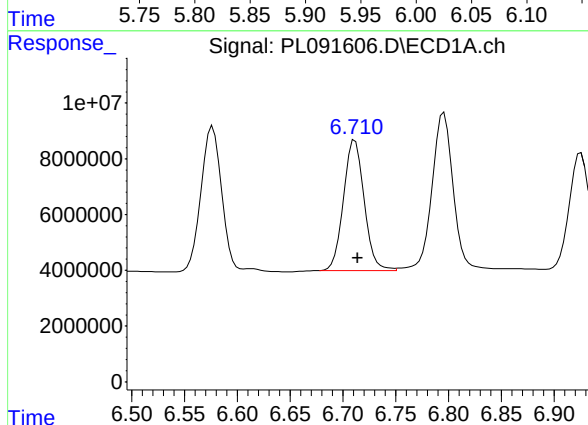
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



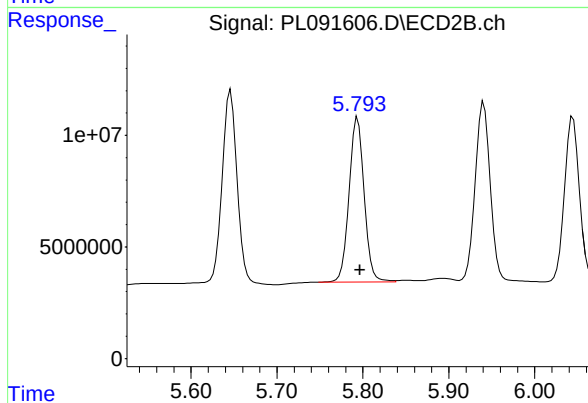
#15 Endosulfan II

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 96130488
Conc: 54.34 ng/ml



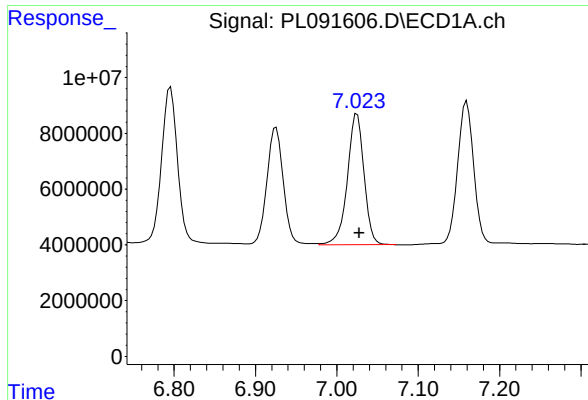
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: -0.003 min
Response: 63860334
Conc: 50.38 ng/ml



#16 4,4'-DDD

R.T.: 5.793 min
Delta R.T.: -0.004 min
Response: 89628199
Conc: 53.49 ng/ml m



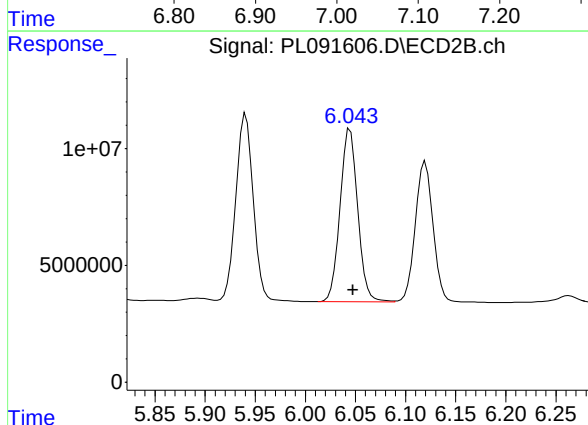
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: -0.003 min
Response: 67122566
Conc: 51.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

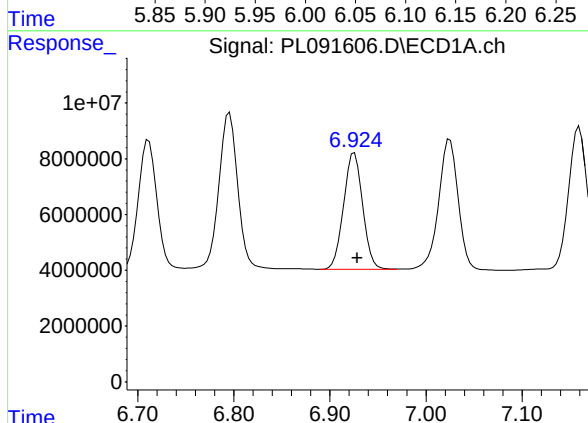
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



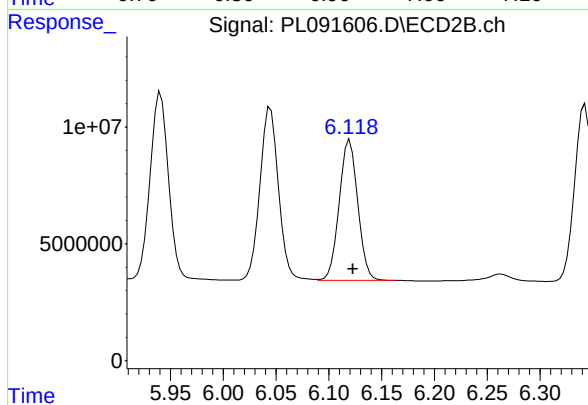
#17 4,4'-DDT

R.T.: 6.045 min
Delta R.T.: -0.003 min
Response: 90625147
Conc: 56.40 ng/ml



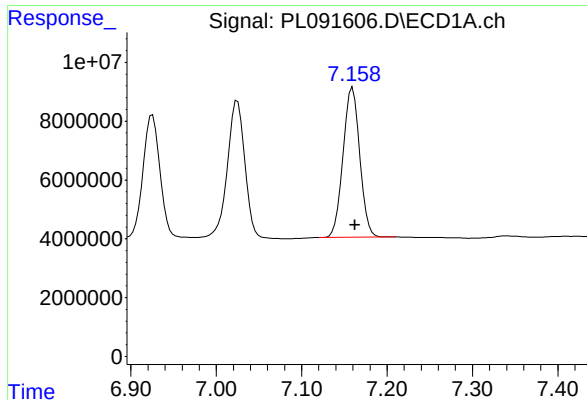
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.005 min
Response: 57511873
Conc: 48.41 ng/ml m



#18 Endrin aldehyde

R.T.: 6.120 min
Delta R.T.: -0.003 min
Response: 73688510
Conc: 53.90 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: -0.003 min
Response: 69042452
Conc: 49.44 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

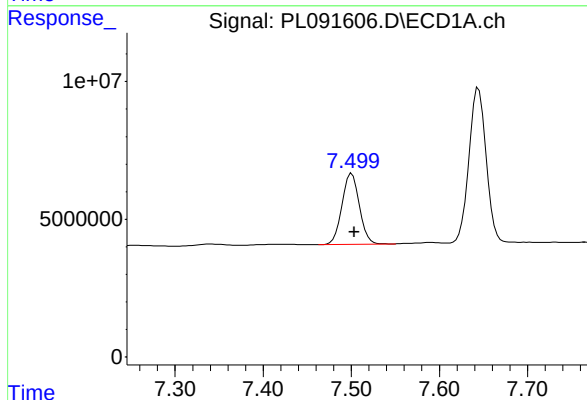
APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

#19 Endosulfan Sulfate

R.T.: 6.343 min
Delta R.T.: -0.003 min
Response: 91293036
Conc: 53.20 ng/ml

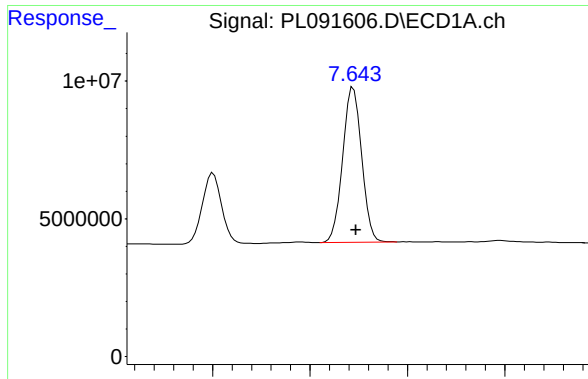


#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: -0.003 min
Response: 35429713
Conc: 52.37 ng/ml

#20 Methoxychlor

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 48536467
Conc: 54.80 ng/ml



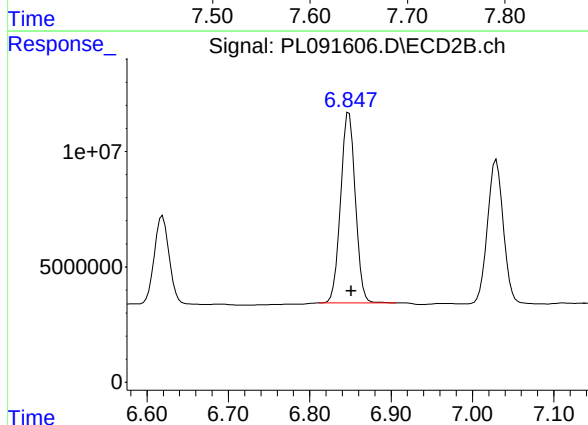
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.003 min
Response: 76213040
Conc: 49.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

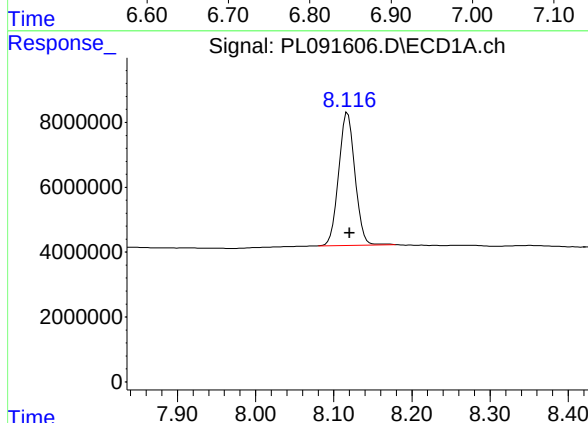
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



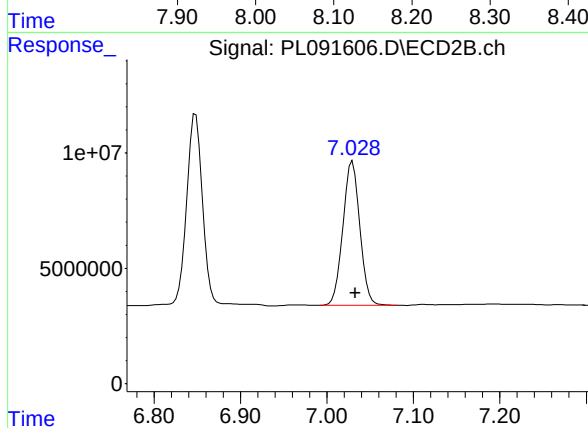
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.003 min
Response: 103968363
Conc: 51.69 ng/ml



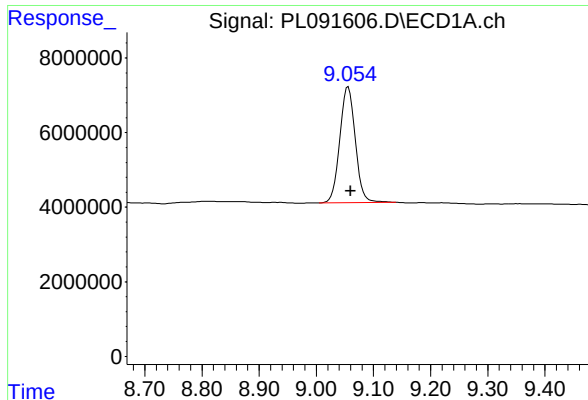
#22 Mirex

R.T.: 8.118 min
Delta R.T.: -0.003 min
Response: 59315076
Conc: 49.53 ng/ml



#22 Mirex

R.T.: 7.029 min
Delta R.T.: -0.003 min
Response: 84691469
Conc: 47.76 ng/ml



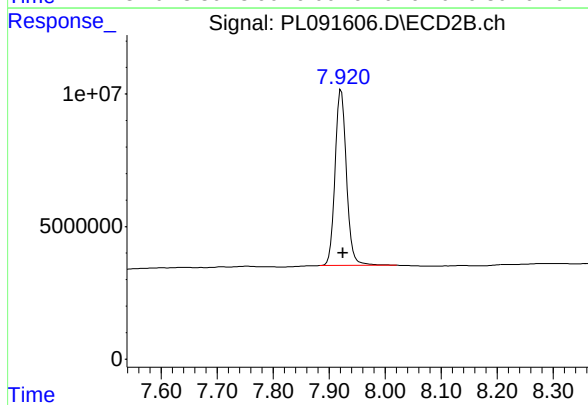
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: -0.005 min
Response: 58586381
Conc: 48.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.003 min
Response: 93994687
Conc: 50.90 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.93	7.83	8.03	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.35	6.25	6.45	0.01
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL02 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091624.D Time Analyzed: 17:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.614	6.814	54.270	50.000	8.5
4,4'-DDE	6.194	6.096	6.296	56.040	50.000	12.1
4,4'-DDT	7.025	6.928	7.128	56.550	50.000	13.1
Aldrin	5.259	5.162	5.362	54.240	50.000	8.5
alpha-BHC	3.998	3.899	4.099	55.840	50.000	11.7
alpha-Chlordane	6.022	5.923	6.123	56.390	50.000	12.8
beta-BHC	4.526	4.428	4.628	55.500	50.000	11.0
Decachlorobiphenyl	9.055	8.960	9.160	52.520	50.000	5.0
delta-BHC	4.774	4.676	4.876	52.240	50.000	4.5
Dieldrin	6.347	6.249	6.449	55.890	50.000	11.8
Endosulfan I	6.072	5.974	6.174	55.220	50.000	10.4
Endosulfan II	6.795	6.698	6.898	53.500	50.000	7.0
Endosulfan sulfate	7.160	7.062	7.262	53.160	50.000	6.3
Endrin	6.576	6.479	6.679	55.920	50.000	11.8
Endrin aldehyde	6.925	6.829	7.029	53.380	50.000	6.8
Endrin ketone	7.644	7.547	7.747	53.400	50.000	6.8
gamma-BHC (Lindane)	4.330	4.232	4.432	55.490	50.000	11.0
gamma-Chlordane	5.942	5.845	6.045	54.240	50.000	8.5
Heptachlor	4.917	4.821	5.021	56.580	50.000	13.2
Heptachlor epoxide	5.686	5.589	5.789	54.060	50.000	8.1
Methoxychlor	7.500	7.403	7.603	57.440	50.000	14.9
Tetrachloro-m-xylene	3.542	3.444	3.644	55.290	50.000	10.6



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL02 Date Analyzed: 09/10/2024

Lab Sample No.: PSTDCCC050 Data File : PL091624.D Time Analyzed: 17:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.794	5.697	5.897	53.210	50.000	6.4
4,4'-DDE	5.239	5.142	5.342	55.970	50.000	11.9
4,4'-DDT	6.045	5.947	6.147	57.030	50.000	14.1
Aldrin	4.234	4.136	4.336	55.980	50.000	12.0
alpha-BHC	3.284	3.186	3.386	54.630	50.000	9.3
alpha-Chlordane	5.051	4.953	5.153	54.340	50.000	8.7
beta-BHC	3.913	3.815	4.015	52.160	50.000	4.3
Decachlorobiphenyl	7.921	7.825	8.025	52.670	50.000	5.3
delta-BHC	4.143	4.045	4.245	55.480	50.000	11.0
Dieldrin	5.371	5.274	5.474	54.390	50.000	8.8
Endosulfan I	5.107	5.009	5.209	53.700	50.000	7.4
Endosulfan II	5.940	5.843	6.043	54.250	50.000	8.5
Endosulfan sulfate	6.342	6.246	6.446	53.290	50.000	6.6
Endrin	5.646	5.549	5.749	54.510	50.000	9.0
Endrin aldehyde	6.119	6.023	6.223	53.920	50.000	7.8
Endrin ketone	6.848	6.751	6.951	52.380	50.000	4.8
gamma-BHC (Lindane)	3.614	3.516	3.716	54.350	50.000	8.7
gamma-Chlordane	4.985	4.889	5.089	52.360	50.000	4.7
Heptachlor	3.954	3.856	4.056	55.690	50.000	11.4
Heptachlor epoxide	4.736	4.639	4.839	53.860	50.000	7.7
Methoxychlor	6.620	6.523	6.723	56.140	50.000	12.3
Tetrachloro-m-xylene	2.780	2.683	2.883	53.540	50.000	7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
 Data File : PL091624.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 17:10
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/13/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 09:42:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.780	86177185	100.1E6	55.292	53.542
28)	SA Decachlor...	9.055	7.921	63833532	97264308	52.524	52.674
Target Compounds							
2)	A alpha-BHC	3.998	3.284	120.6E6	145.3E6	55.844	54.628
3)	MA gamma-BHC...	4.330	3.614	114.1E6	133.7E6	55.487	54.348
4)	MA Heptachlor	4.917	3.954	106.0E6	134.1E6	56.577m	55.691
5)	MB Aldrin	5.259	4.234	101.0E6	127.7E6	54.241m	55.984
6)	B beta-BHC	4.526	3.913	50504411	56981620	55.498	52.159
7)	B delta-BHC	4.774	4.143	100.4E6	127.7E6	52.244	55.484
8)	B Heptachlo...	5.686	4.736	90213094	113.5E6	54.061	53.856
9)	A Endosulfan I	6.072	5.107	86031111	103.6E6	55.215	53.702
10)	B gamma-Chl...	5.942	4.985	90614803	115.5E6	54.235	52.359m
11)	B alpha-Chl...	6.022	5.051	90887199	112.4E6	56.388	54.344
12)	B 4,4'-DDE	6.194	5.239	81748204	106.2E6	56.044	55.968
13)	MA Dieldrin	6.347	5.371	91195566	111.8E6	55.889	54.385
14)	MA Endrin	6.576	5.646	74357682	102.9E6	55.921	54.505
15)	B Endosulfa...	6.795	5.940	82927803	95971186	53.502	54.254
16)	A 4,4'-DDD	6.711	5.794	68791567	89158697	54.271	53.205
17)	MA 4,4'-DDT	7.025	6.045	74178589	91642559	56.549	57.035
18)	B Endrin al...	6.925	6.119	63425974	73712466	53.383	53.921
19)	B Endosulfa...	7.160	6.342	74228906	91456800	53.158	53.293
20)	A Methoxychlor	7.500	6.620	38858538	49725686	57.443	56.139
21)	B Endrin ke...	7.644	6.848	82578774	105.4E6	53.403	52.379
22)	Mirex	8.118	7.029	64456241	87508757	53.828	49.350

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 17:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

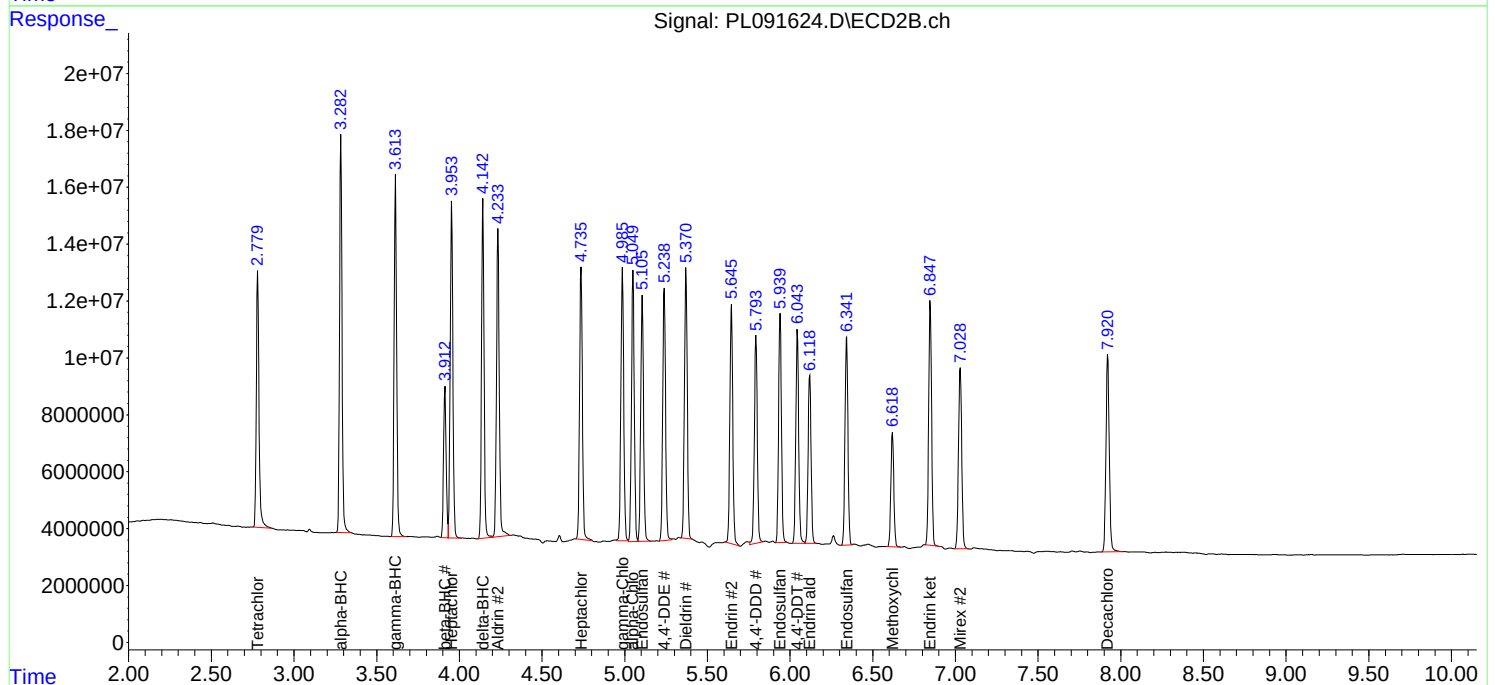
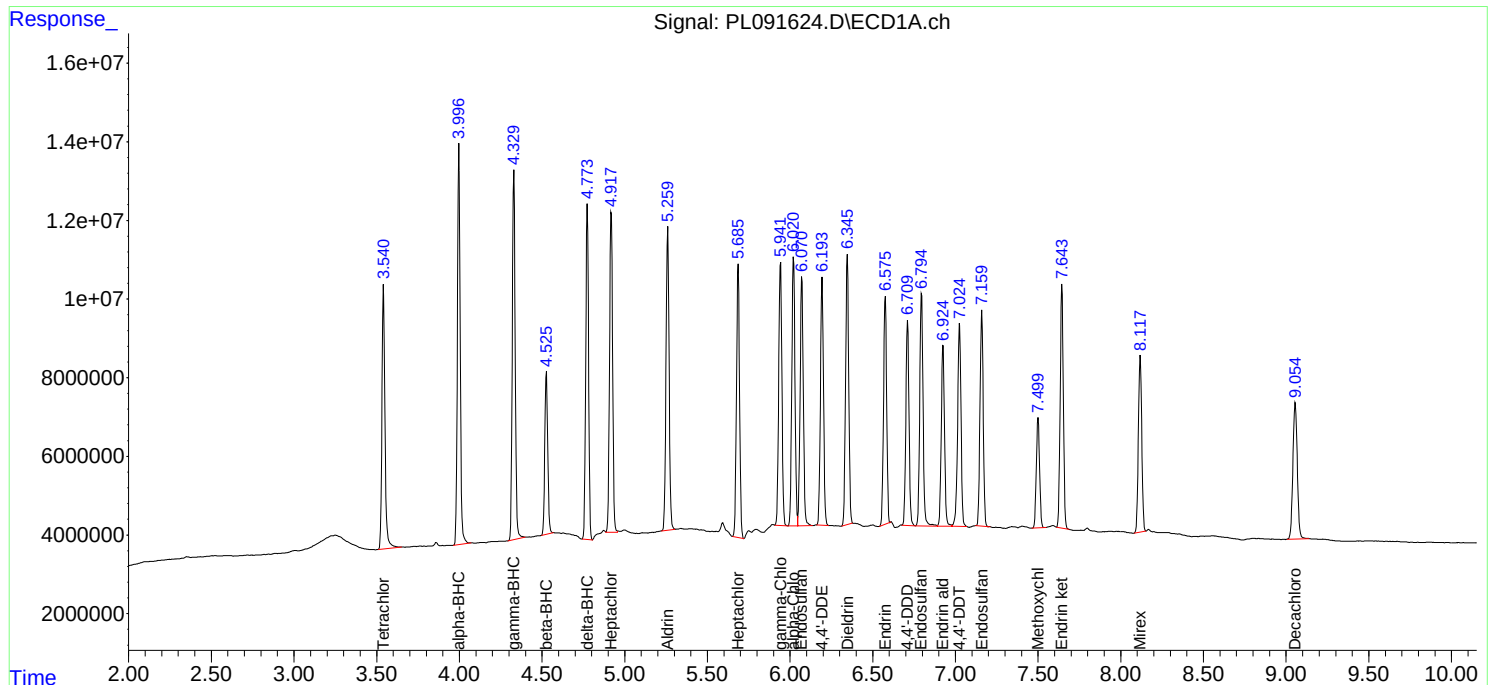
APPROVED

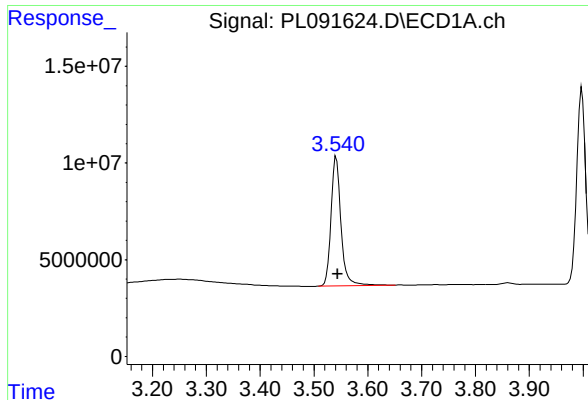
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/13/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 09:42:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





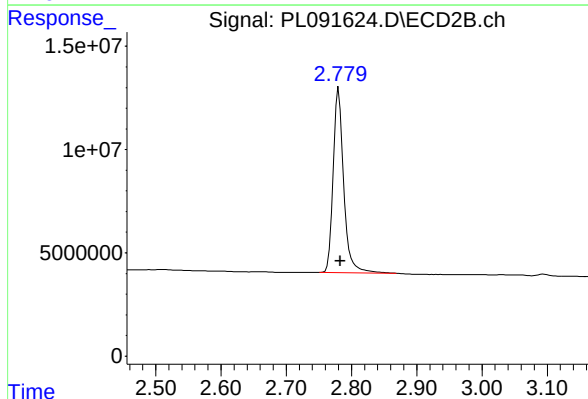
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 86177185
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

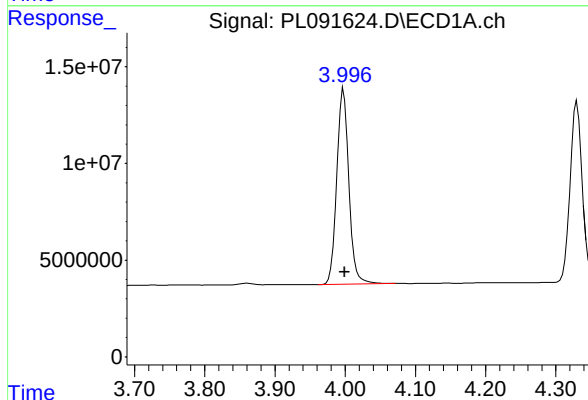
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/13/2024



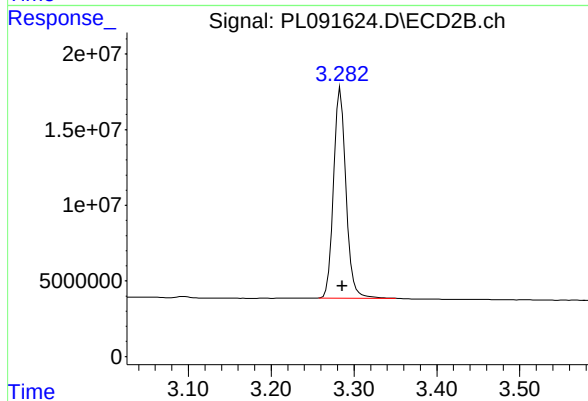
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: -0.002 min
Response: 100138718
Conc: 53.54 ng/ml



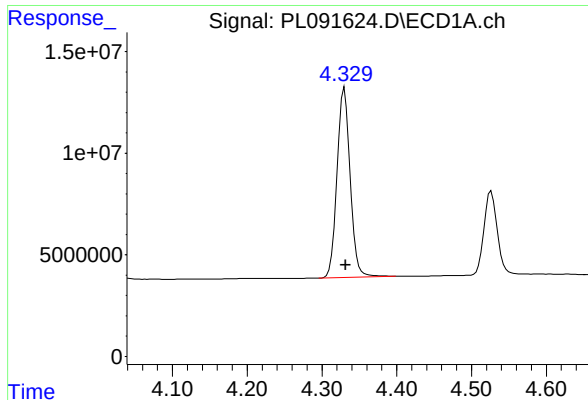
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 120619464
Conc: 55.84 ng/ml



#2 alpha-BHC

R.T.: 3.284 min
Delta R.T.: -0.002 min
Response: 145286301
Conc: 54.63 ng/ml



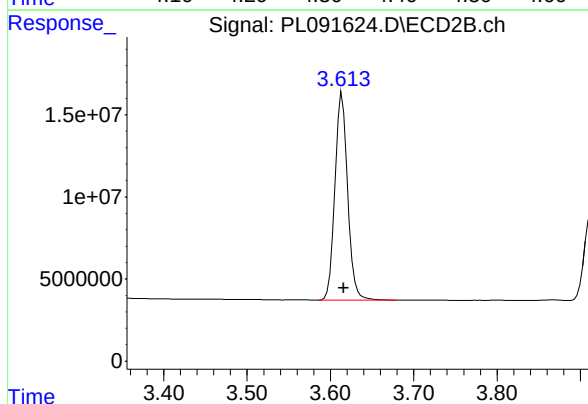
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 114065253
Conc: 55.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

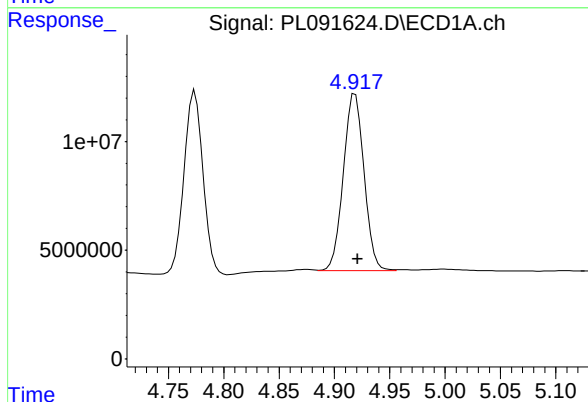
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/13/2024



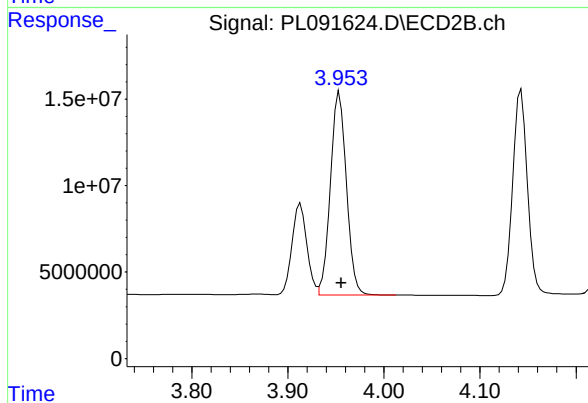
#3 gamma-BHC (Lindane)

R.T.: 3.614 min
Delta R.T.: -0.002 min
Response: 133666941
Conc: 54.35 ng/ml



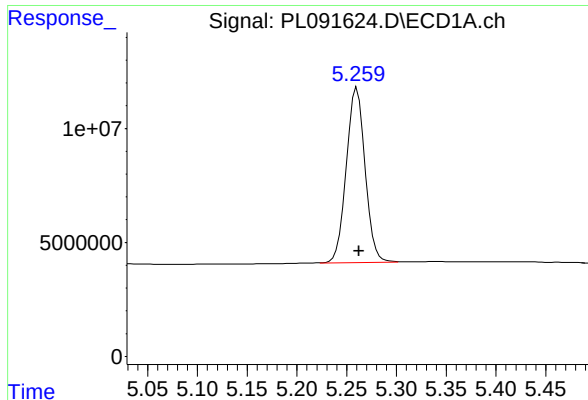
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: -0.004 min
Response: 105970172
Conc: 56.58 ng/ml m



#4 Heptachlor

R.T.: 3.954 min
Delta R.T.: -0.002 min
Response: 134121193
Conc: 55.69 ng/ml



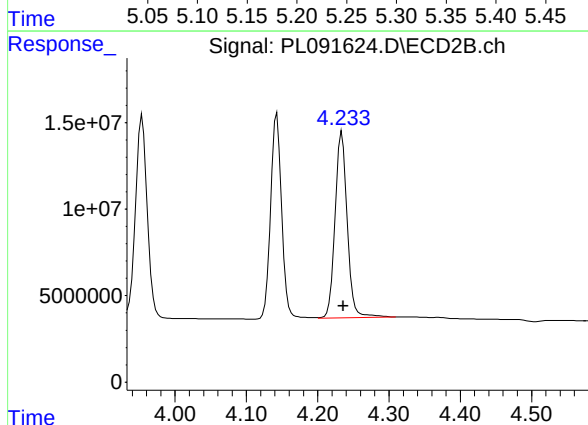
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: -0.003 min
Response: 101028327
Conc: 54.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

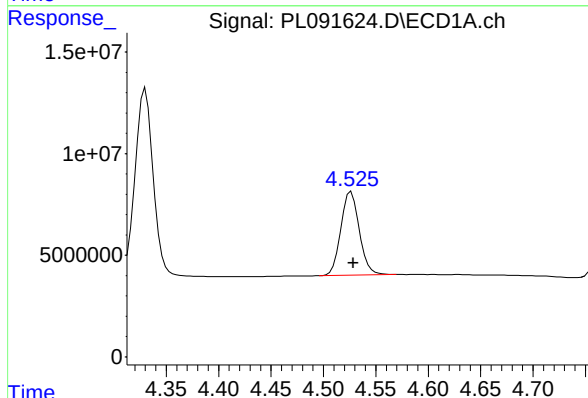
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/13/2024



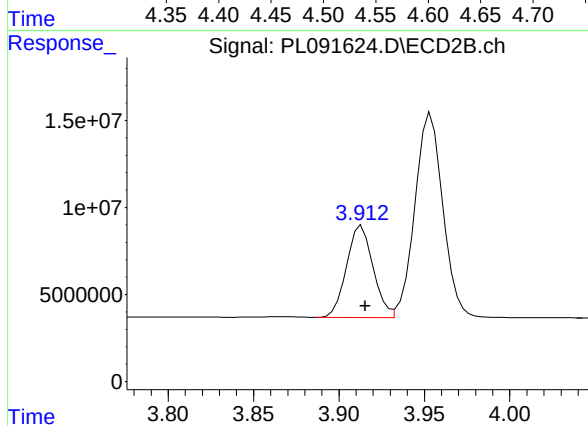
#5 Aldrin

R.T.: 4.234 min
Delta R.T.: -0.002 min
Response: 127728437
Conc: 55.98 ng/ml



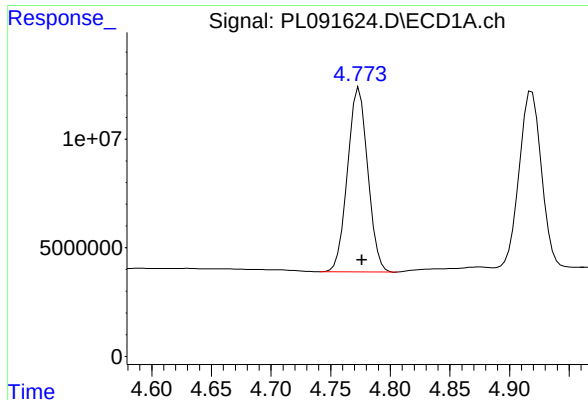
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 50504411
Conc: 55.50 ng/ml



#6 beta-BHC

R.T.: 3.913 min
Delta R.T.: -0.002 min
Response: 56981620
Conc: 52.16 ng/ml



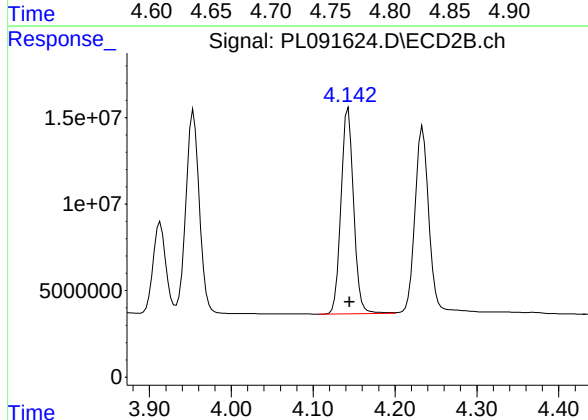
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: -0.002 min
Response: 100370250
Conc: 52.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

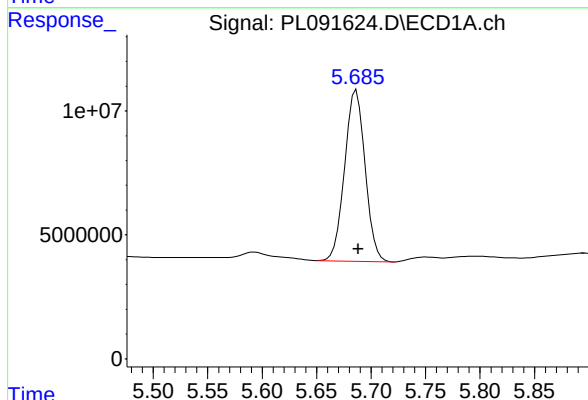
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 09/13/2024



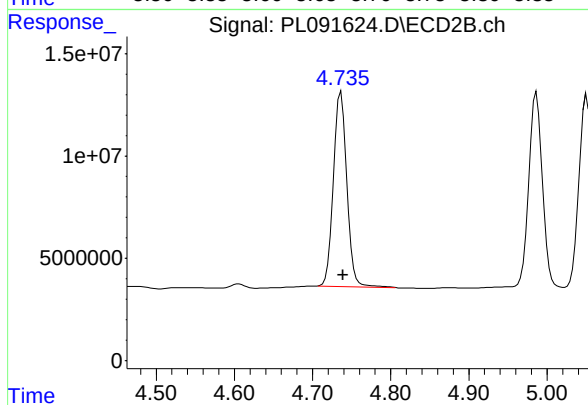
#7 delta-BHC

R.T.: 4.143 min
Delta R.T.: -0.002 min
Response: 127652859
Conc: 55.48 ng/ml



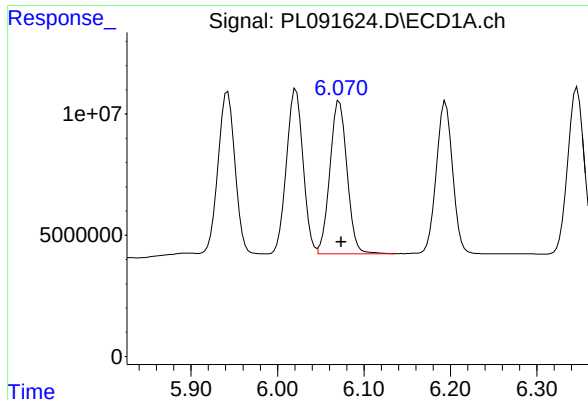
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.002 min
Response: 90213094
Conc: 54.06 ng/ml



#8 Heptachlor epoxide

R.T.: 4.736 min
Delta R.T.: -0.003 min
Response: 113512821
Conc: 53.86 ng/ml



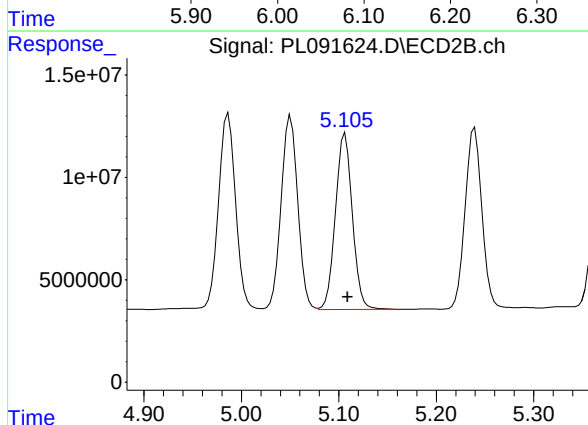
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 86031111
Conc: 55.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

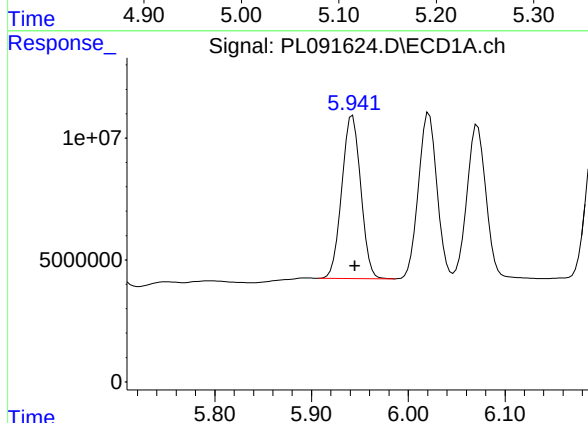
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/13/2024



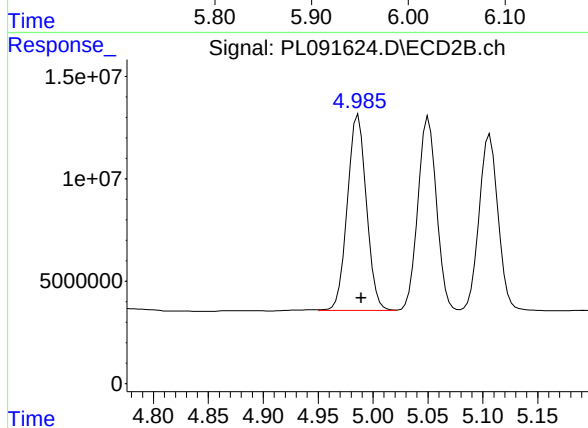
#9 Endosulfan I

R.T.: 5.107 min
Delta R.T.: -0.003 min
Response: 103609484
Conc: 53.70 ng/ml



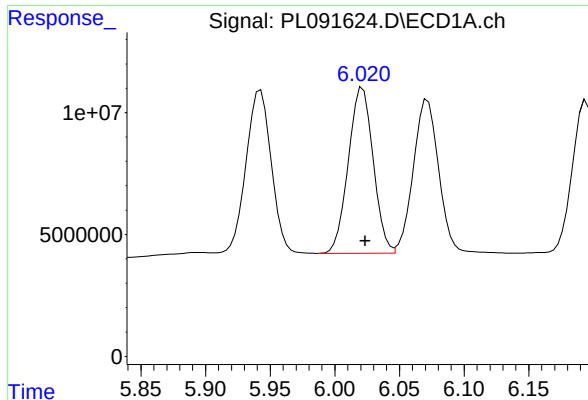
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 90614803
Conc: 54.24 ng/ml



#10 gamma-Chlordane

R.T.: 4.985 min
Delta R.T.: -0.004 min
Response: 115487002
Conc: 52.36 ng/ml m



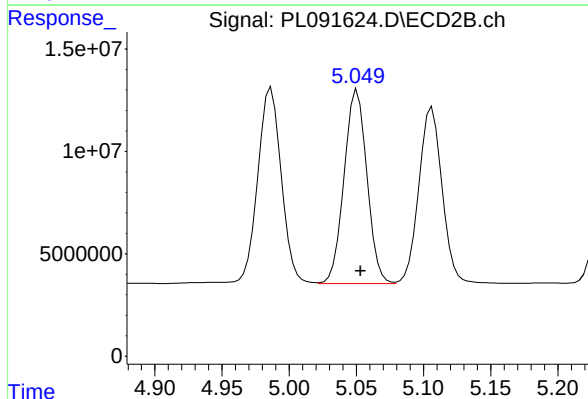
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: -0.002 min
Response: 90887199
Conc: 56.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

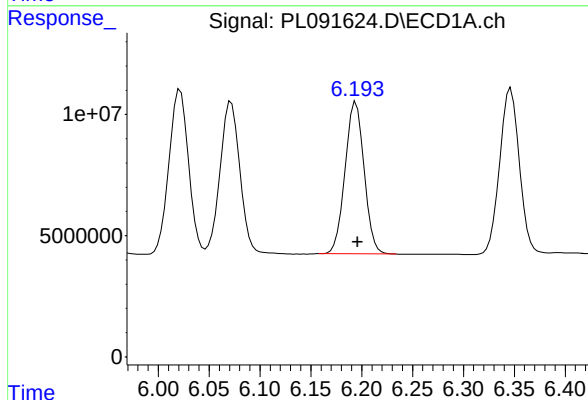
Manual Integrations
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Supervised By :Ankita Jodhani 09/13/2024



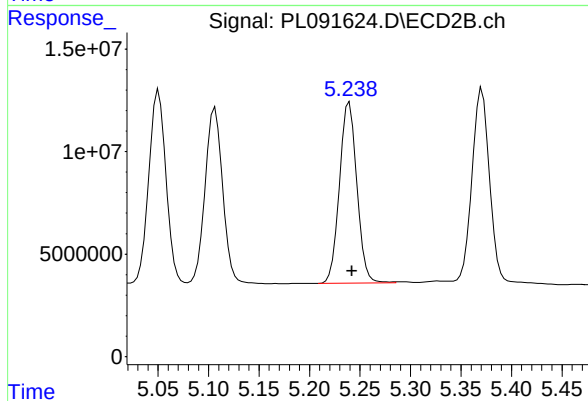
#11 alpha-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 112438833
Conc: 54.34 ng/ml



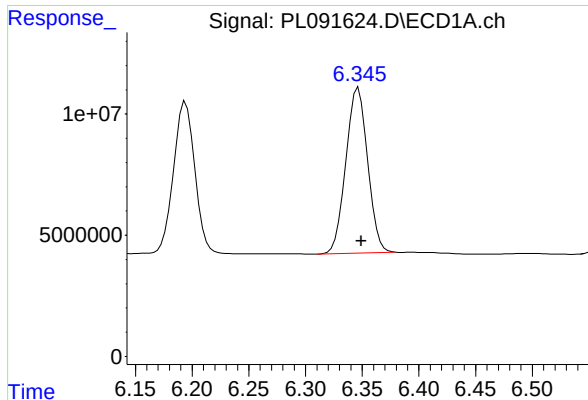
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 81748204
Conc: 56.04 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 106154620
Conc: 55.97 ng/ml



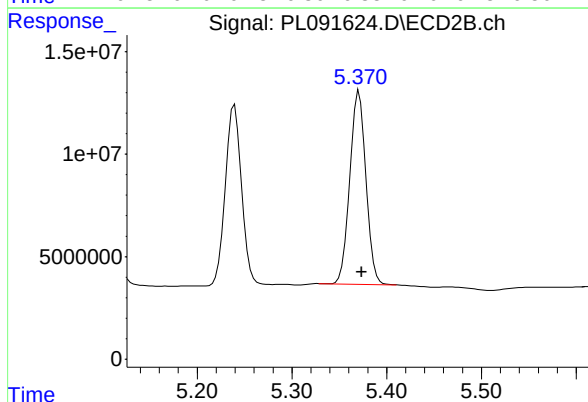
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: -0.003 min
Response: 91195566
Conc: 55.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

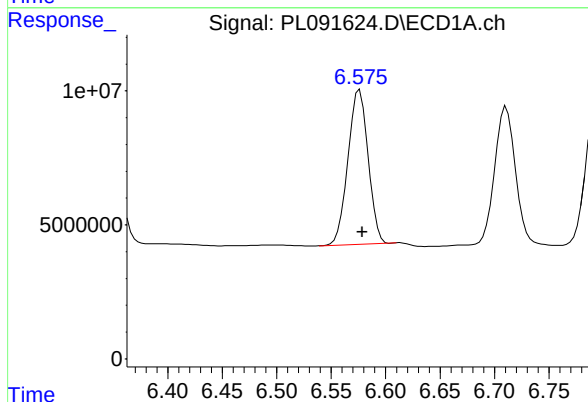
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 09/13/2024



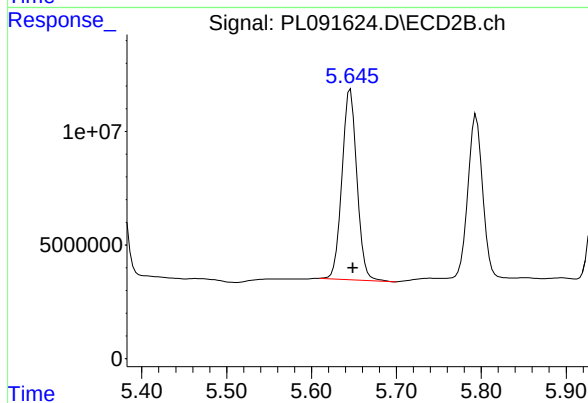
#13 Dieldrin

R.T.: 5.371 min
Delta R.T.: -0.003 min
Response: 111786047
Conc: 54.39 ng/ml



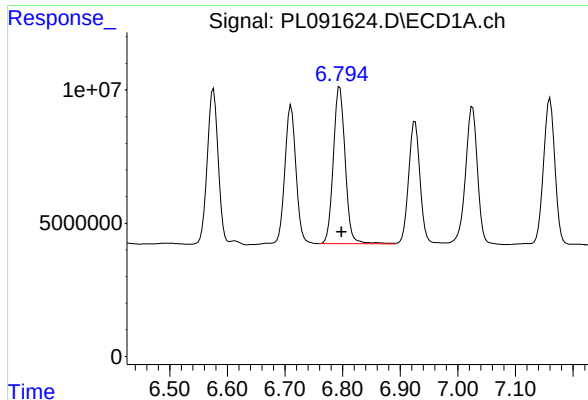
#14 Endrin

R.T.: 6.576 min
Delta R.T.: -0.002 min
Response: 74357682
Conc: 55.92 ng/ml



#14 Endrin

R.T.: 5.646 min
Delta R.T.: -0.003 min
Response: 102861564
Conc: 54.51 ng/ml



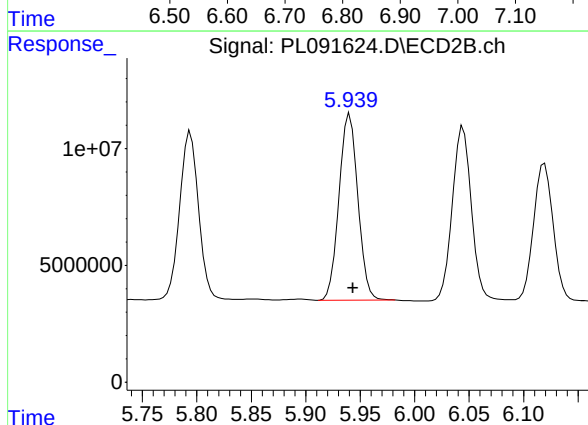
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: -0.003 min
Response: 82927803
Conc: 53.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

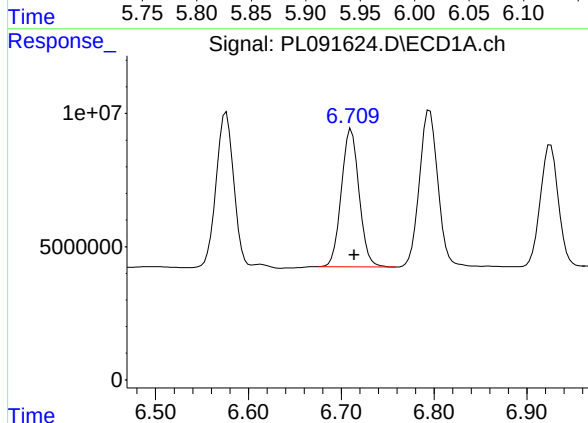
Manual Integrations
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Supervised By :Ankita Jodhani 09/13/2024



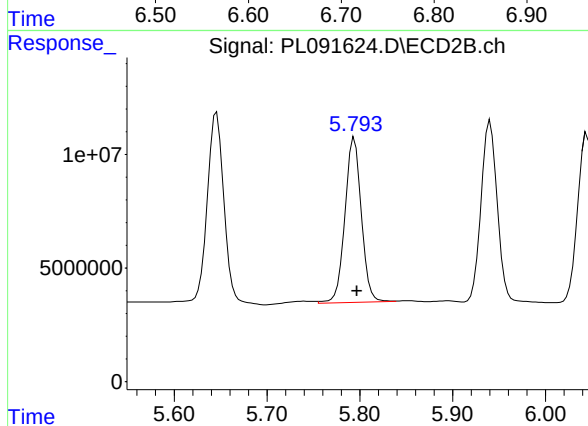
#15 Endosulfan II

R.T.: 5.940 min
Delta R.T.: -0.003 min
Response: 95971186
Conc: 54.25 ng/ml



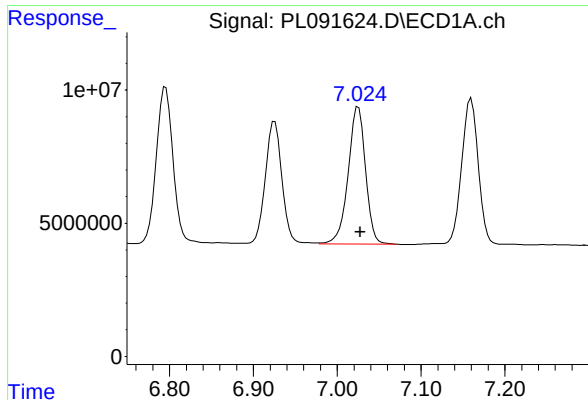
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: -0.003 min
Response: 68791567
Conc: 54.27 ng/ml



#16 4,4'-DDD

R.T.: 5.794 min
Delta R.T.: -0.003 min
Response: 89158697
Conc: 53.21 ng/ml



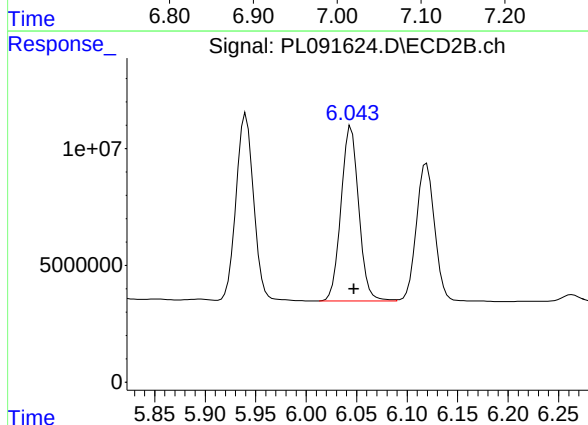
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: -0.002 min
Response: 74178589
Conc: 56.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

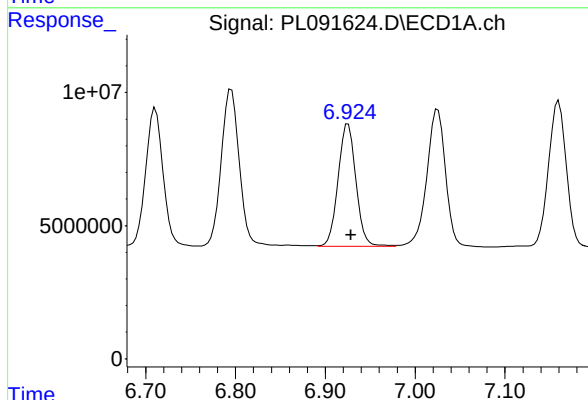
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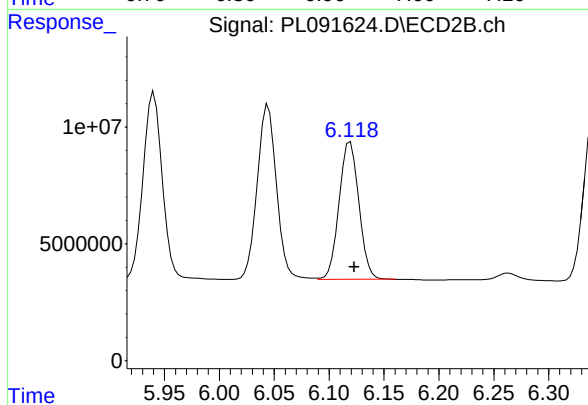
#17 4,4'-DDT

R.T.: 6.045 min
Delta R.T.: -0.003 min
Response: 91642559
Conc: 57.03 ng/ml



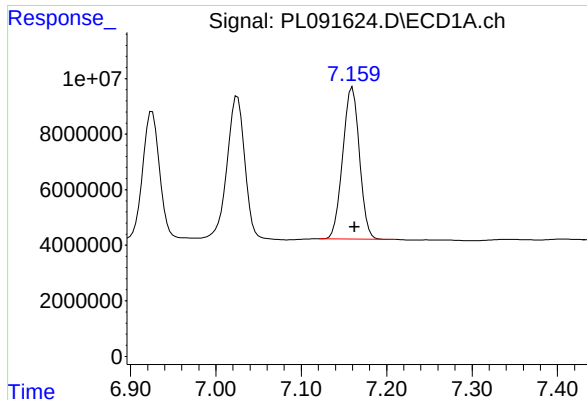
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.003 min
Response: 63425974
Conc: 53.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 73712466
Conc: 53.92 ng/ml



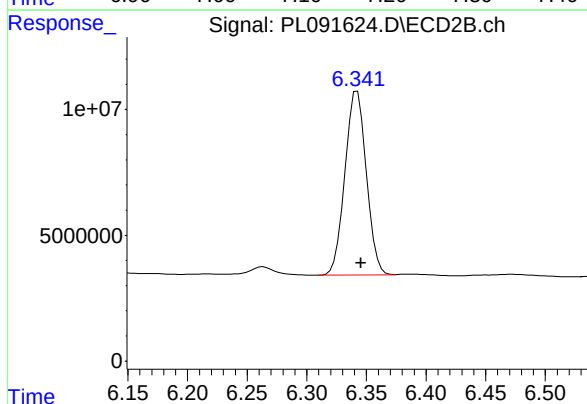
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: -0.003 min
Response: 74228906
Conc: 53.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

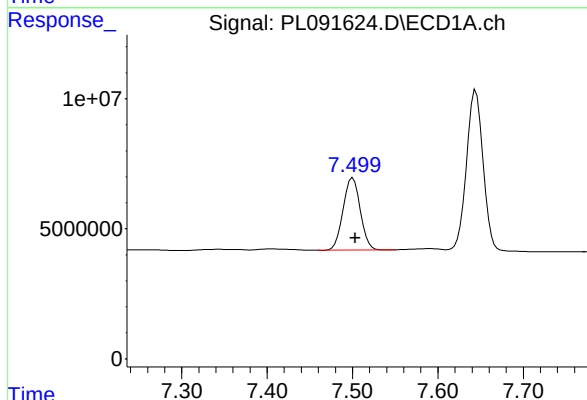
Manual Integrations
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Supervised By :Ankita Jodhani 09/13/2024



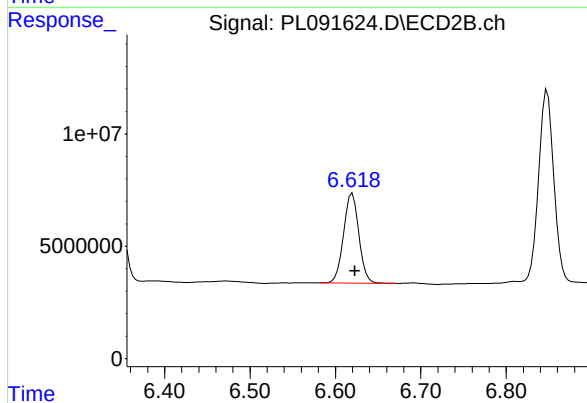
#19 Endosulfan Sulfate

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 91456800
Conc: 53.29 ng/ml



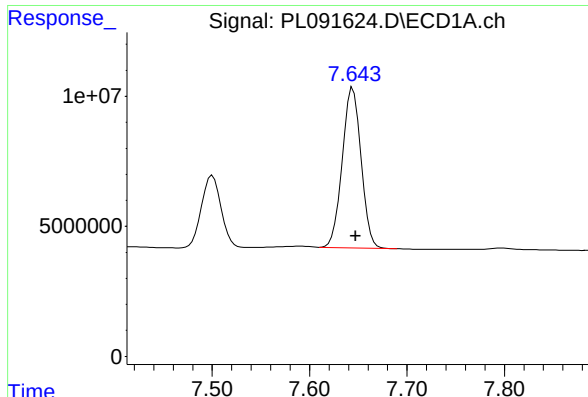
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: -0.003 min
Response: 38858538
Conc: 57.44 ng/ml



#20 Methoxychlor

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 49725686
Conc: 56.14 ng/ml



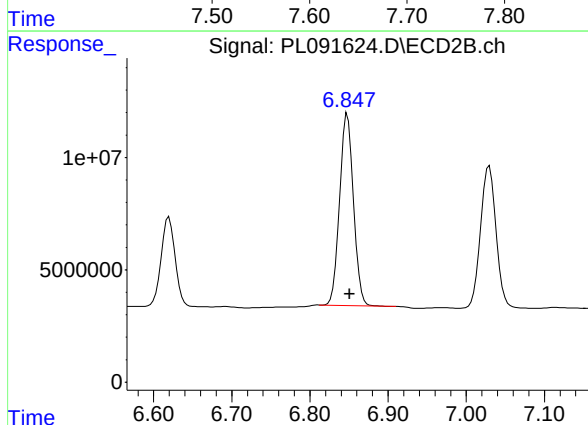
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.003 min
Response: 82578774
Conc: 53.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

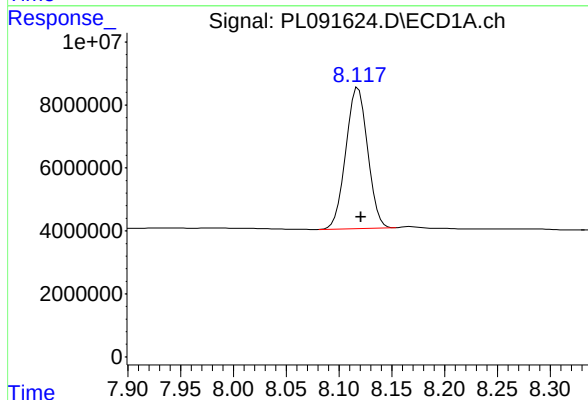
Manual Integrations
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Supervised By :Ankita Jodhani 09/13/2024



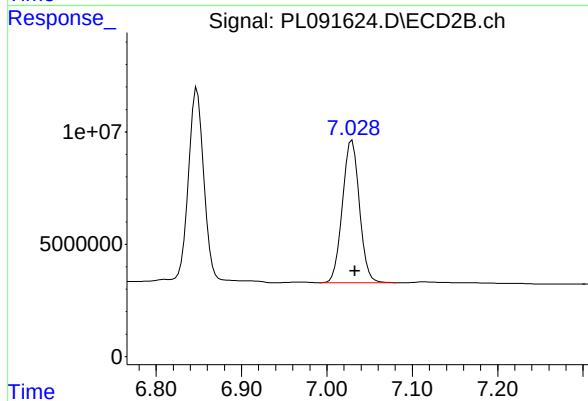
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.003 min
Response: 105354664
Conc: 52.38 ng/ml



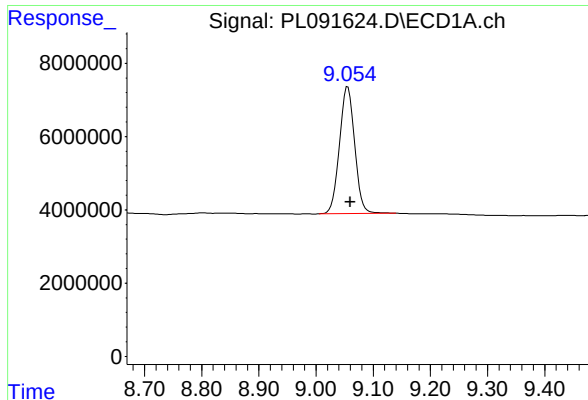
#22 Mirex

R.T.: 8.118 min
Delta R.T.: -0.003 min
Response: 64456241
Conc: 53.83 ng/ml



#22 Mirex

R.T.: 7.029 min
Delta R.T.: -0.003 min
Response: 87508757
Conc: 49.35 ng/ml



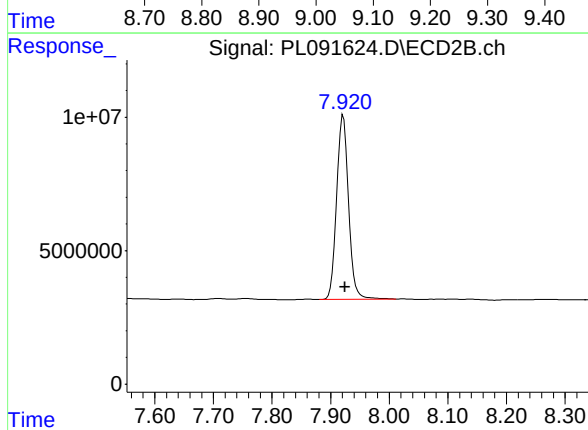
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.005 min
Response: 63833532
Conc: 52.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.003 min
Response: 97264308
Conc: 52.67 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:31 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.54	4.53	4.43	4.63	-0.01
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.59	6.58	6.48	6.68	-0.01
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	-0.01
4,4'-DDT	7.04	7.03	6.93	7.13	0.00
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.94	6.93	6.83	7.03	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 11:31 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.93	7.93	7.83	8.03	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.29	3.29	3.19	3.39	0.00
beta-BHC	3.92	3.92	3.82	4.02	0.00
delta-BHC	4.15	4.15	4.05	4.25	0.00
gamma-BHC (Lindane)	3.62	3.62	3.52	3.72	0.00
Heptachlor	3.96	3.96	3.86	4.06	0.00
Aldrin	4.24	4.24	4.14	4.34	0.00
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.38	5.37	5.27	5.47	-0.01
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Endosulfan II	5.95	5.94	5.84	6.04	-0.01
4,4'-DDD	5.80	5.80	5.70	5.90	0.00
Endosulfan sulfate	6.35	6.35	6.25	6.45	0.00
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL03 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091651.D Time Analyzed: 11:31

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.720	6.614	6.814	52.910	50.000	5.8
4,4'-DDE	6.204	6.096	6.296	52.180	50.000	4.4
4,4'-DDT	7.035	6.928	7.128	46.450	50.000	-7.1
Aldrin	5.270	5.162	5.362	51.830	50.000	3.7
alpha-BHC	4.007	3.899	4.099	52.410	50.000	4.8
alpha-Chlordane	6.030	5.923	6.123	52.120	50.000	4.2
beta-BHC	4.537	4.428	4.628	49.630	50.000	-0.7
Decachlorobiphenyl	9.068	8.960	9.160	51.430	50.000	2.9
delta-BHC	4.784	4.676	4.876	50.680	50.000	1.4
Dieldrin	6.355	6.249	6.449	51.890	50.000	3.8
Endosulfan I	6.081	5.974	6.174	50.590	50.000	1.2
Endosulfan II	6.803	6.698	6.898	50.010	50.000	0.0
Endosulfan sulfate	7.169	7.062	7.262	49.470	50.000	-1.1
Endrin	6.586	6.479	6.679	46.560	50.000	-6.9
Endrin aldehyde	6.935	6.829	7.029	51.870	50.000	3.7
Endrin ketone	7.652	7.547	7.747	52.950	50.000	5.9
gamma-BHC (Lindane)	4.339	4.232	4.432	50.560	50.000	1.1
gamma-Chlordane	5.951	5.845	6.045	50.830	50.000	1.7
Heptachlor	4.929	4.821	5.021	52.320	50.000	4.6
Heptachlor epoxide	5.695	5.589	5.789	49.570	50.000	-0.9
Methoxychlor	7.510	7.403	7.603	47.980	50.000	-4.0
Tetrachloro-m-xylene	3.551	3.444	3.644	51.540	50.000	3.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL03 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091651.D Time Analyzed: 11:31

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.798	5.697	5.897	51.580	50.000	3.2
4,4'-DDE	5.241	5.142	5.342	52.540	50.000	5.1
4,4'-DDT	6.049	5.947	6.147	46.090	50.000	-7.8
Aldrin	4.236	4.136	4.336	49.270	50.000	-1.5
alpha-BHC	3.286	3.186	3.386	51.480	50.000	3.0
alpha-Chlordane	5.054	4.953	5.153	52.720	50.000	5.4
beta-BHC	3.916	3.815	4.015	48.930	50.000	-2.1
Decachlorobiphenyl	7.926	7.825	8.025	50.760	50.000	1.5
delta-BHC	4.146	4.045	4.245	50.320	50.000	0.6
Dieldrin	5.375	5.274	5.474	49.810	50.000	-0.4
Endosulfan I	5.110	5.009	5.209	51.500	50.000	3.0
Endosulfan II	5.945	5.843	6.043	51.940	50.000	3.9
Endosulfan sulfate	6.347	6.246	6.446	51.860	50.000	3.7
Endrin	5.650	5.549	5.749	45.660	50.000	-8.7
Endrin aldehyde	6.124	6.023	6.223	51.350	50.000	2.7
Endrin ketone	6.852	6.751	6.951	53.050	50.000	6.1
gamma-BHC (Lindane)	3.617	3.516	3.716	51.510	50.000	3.0
gamma-Chlordane	4.990	4.889	5.089	51.320	50.000	2.6
Heptachlor	3.957	3.856	4.056	50.300	50.000	0.6
Heptachlor epoxide	4.740	4.639	4.839	48.650	50.000	-2.7
Methoxychlor	6.624	6.523	6.723	46.530	50.000	-6.9
Tetrachloro-m-xylene	2.783	2.683	2.883	51.940	50.000	3.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 11:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 04:41:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.783	80325788	97144706	51.537	51.941
28) SA Decachlor...	9.068	7.926	62503795	93727917	51.430	50.758
Target Compounds						
2) A alpha-BHC	4.007	3.286	113.2E6	136.9E6	52.413	51.484
3) MA gamma-BHC...	4.339	3.617	103.9E6	126.7E6	50.562	51.508
4) MA Heptachlor	4.929	3.957	97995348	121.1E6	52.319	50.299
5) MB Aldrin	5.270	4.236	96542299	112.4E6	51.833	49.275m
6) B beta-BHC	4.537	3.916	45166007	53456579	49.632	48.932
7) B delta-BHC	4.784	4.146	97368592	115.8E6	50.682	50.319
8) B Heptachlo...	5.695	4.740	82718878	102.5E6	49.570m	48.652
9) A Endosulfan I	6.081	5.110	78826093	99367244	50.591	51.503
10) B gamma-Chl...	5.951	4.990	84924857	113.2E6	50.830	51.321
11) B alpha-Chl...	6.030	5.054	84004648	109.1E6	52.118	52.717
12) B 4,4'-DDE	6.204	5.241	76108966	99651200	52.177	52.539m
13) MA Dieldrin	6.355	5.375	84669276	102.4E6	51.889m	49.808
14) MA Endrin	6.586	5.650	61914701	86165763	46.563	45.658
15) B Endosulfa...	6.803	5.945	77514639	91882255	50.009m	51.943
16) A 4,4'-DDD	6.720	5.798	67069490	86439766	52.913	51.583
17) MA 4,4'-DDT	7.035	6.049	60931474	74049033	46.451	46.085
18) B Endrin al...	6.935	6.124	61630302	70197284	51.872	51.350
19) B Endosulfa...	7.169	6.347	69083333	88991060	49.473	51.856
20) A Methoxychlor	7.510	6.624	32459716	41218344	47.984	46.534
21) B Endrin ke...	7.652	6.852	81880191	106.7E6	52.952m	53.052
22) Mirex	8.128	7.033	60770102	84703029	50.750	47.768

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 11:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

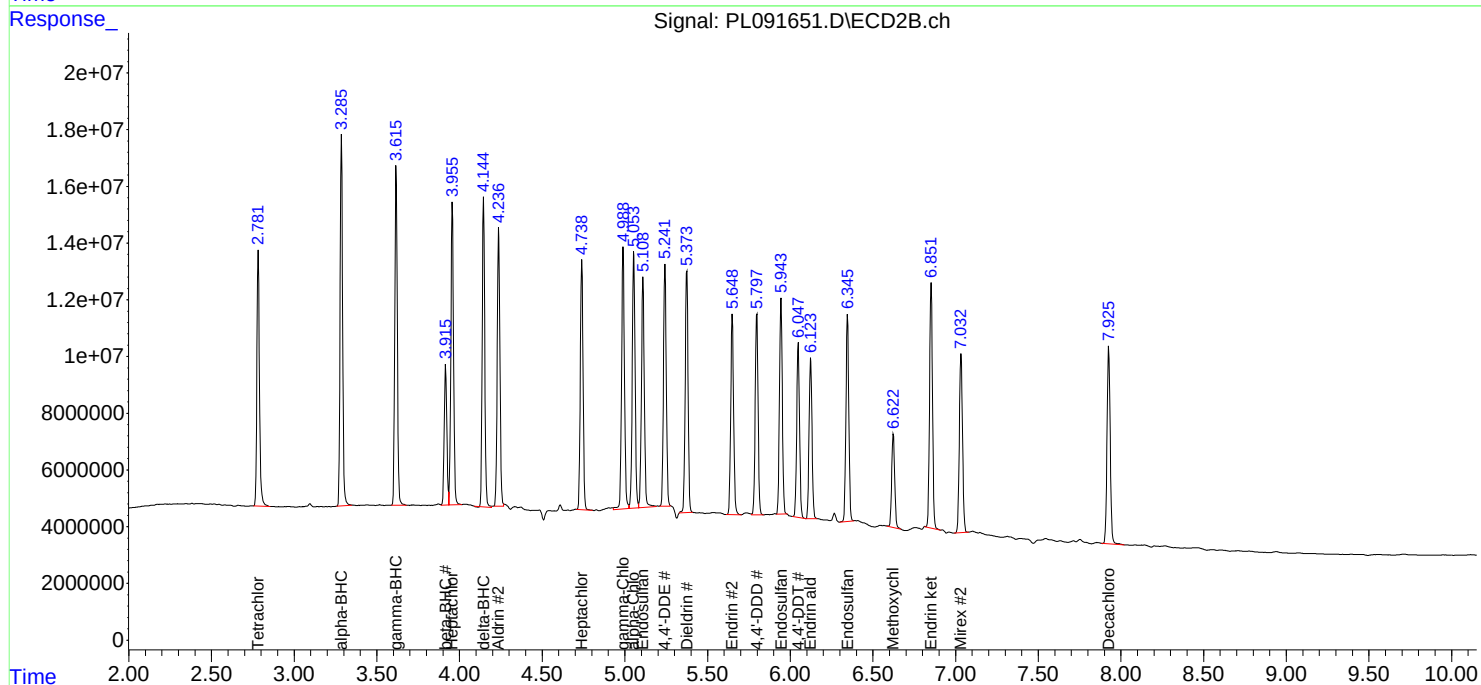
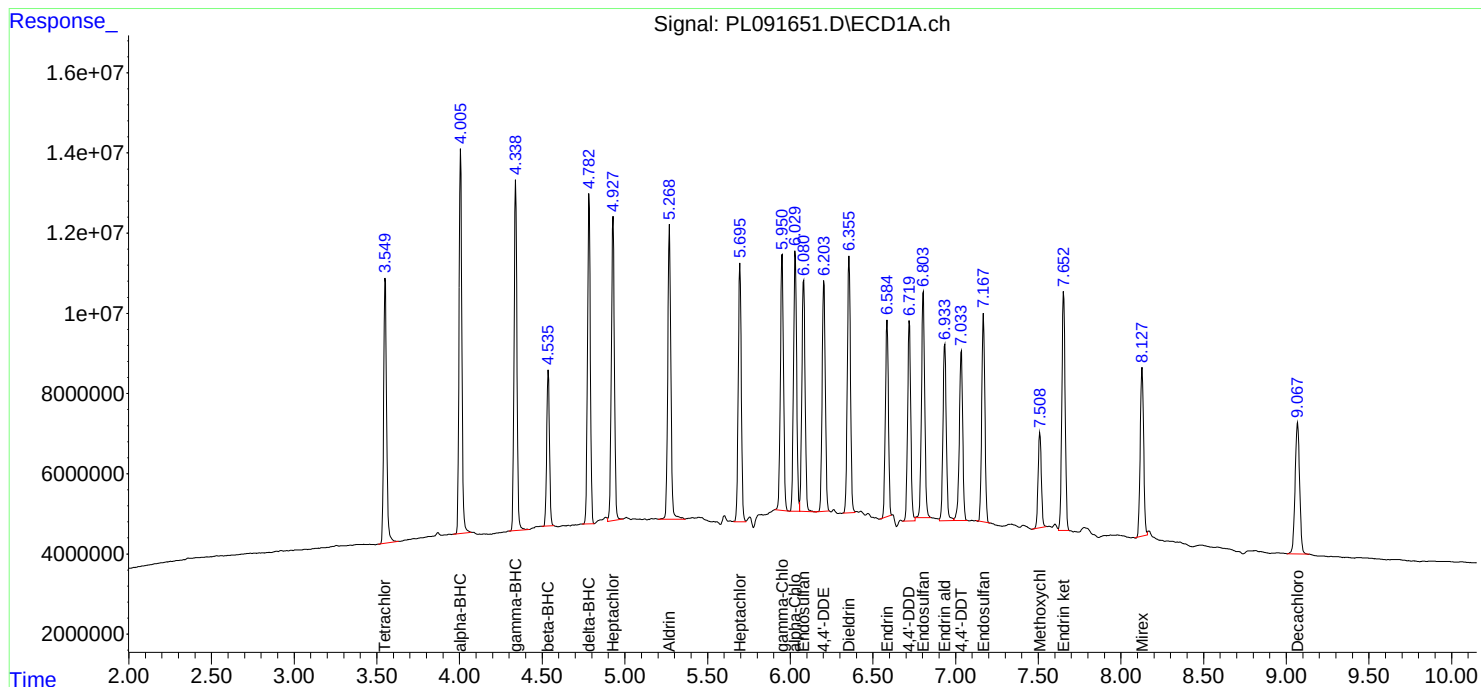
APPROVED

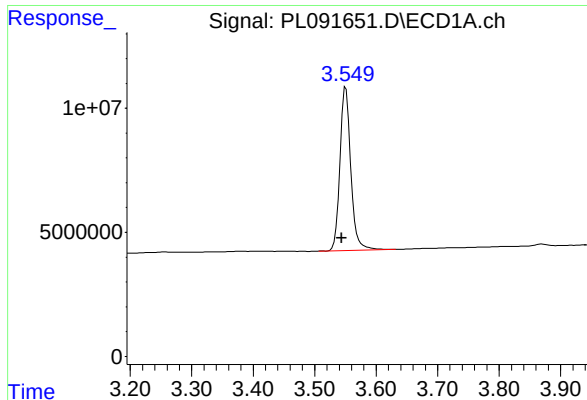
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 04:41:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.007 min
Response: 80325788
Conc: 51.54 ng/ml

Instrument :

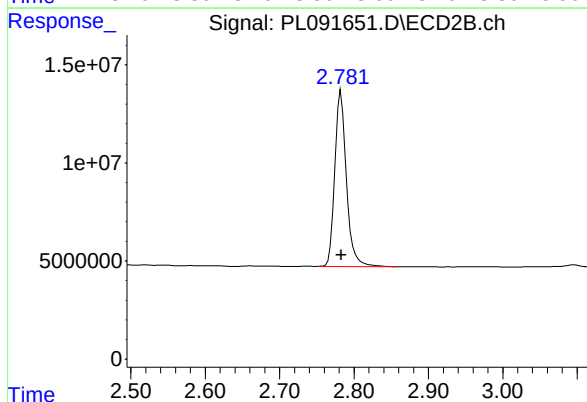
ECD_L

ClientSampleId :

PSTDCCC050

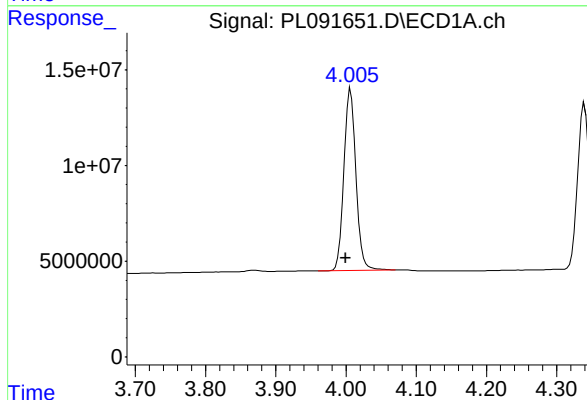
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



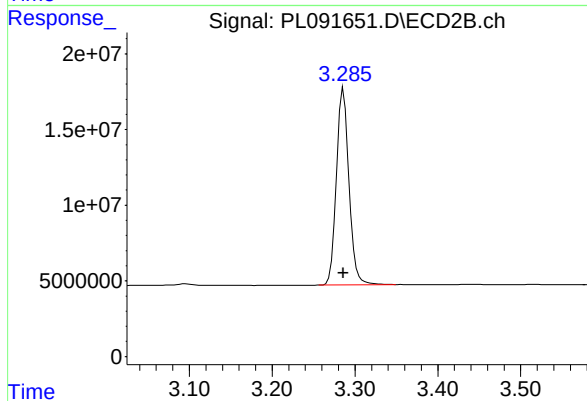
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 97144706
Conc: 51.94 ng/ml



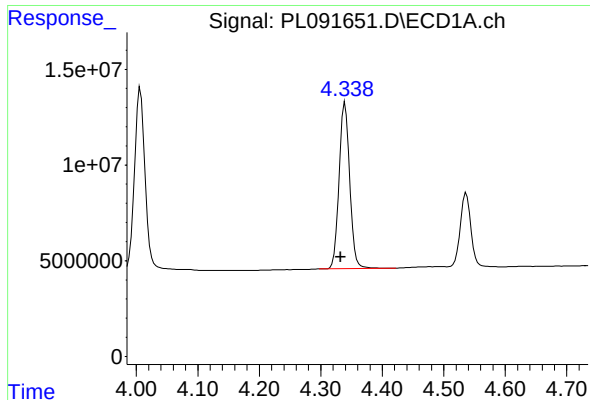
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.007 min
Response: 113208195
Conc: 52.41 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 136924386
Conc: 51.48 ng/ml



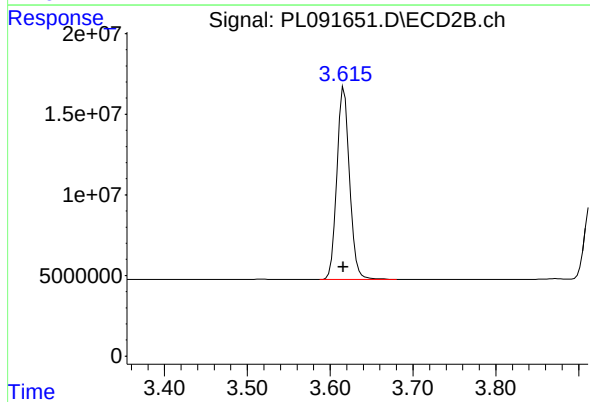
#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: 0.008 min
Response: 103941007
Conc: 50.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

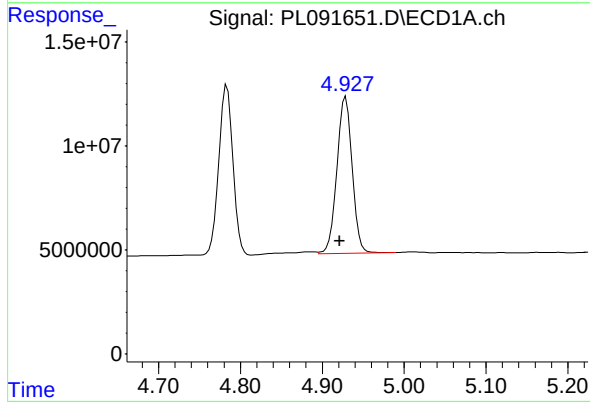
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



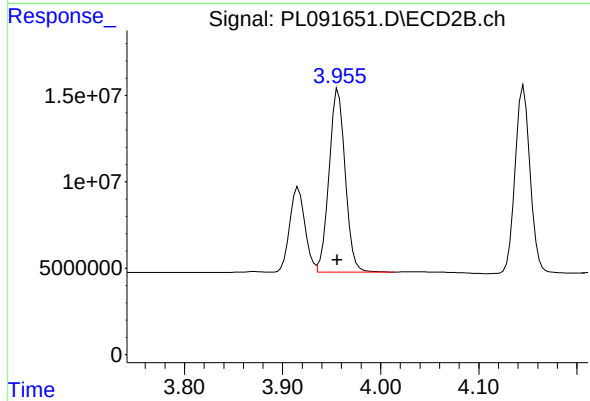
#3 gamma-BHC (Lindane)

R.T.: 3.617 min
Delta R.T.: 0.000 min
Response: 126681675
Conc: 51.51 ng/ml



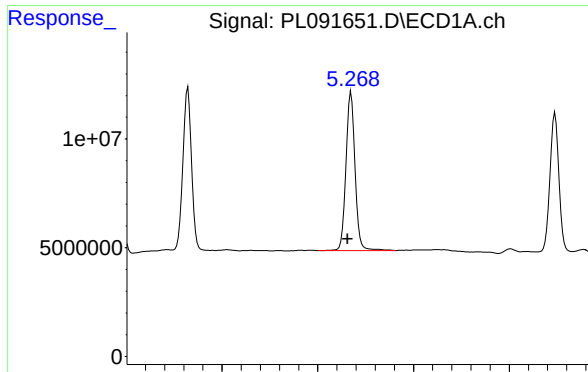
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.008 min
Response: 97995348
Conc: 52.32 ng/ml



#4 Heptachlor

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 121135699
Conc: 50.30 ng/ml



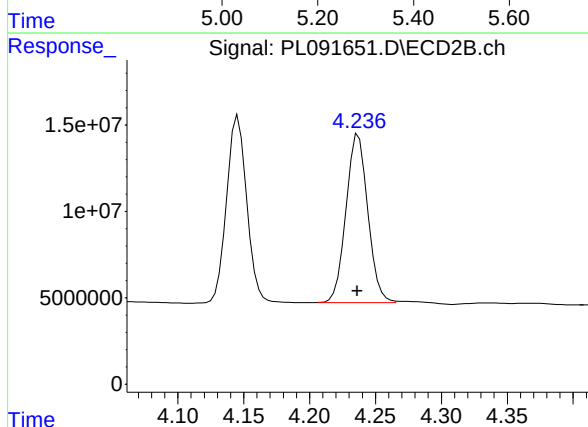
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.007 min
Response: 96542299
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

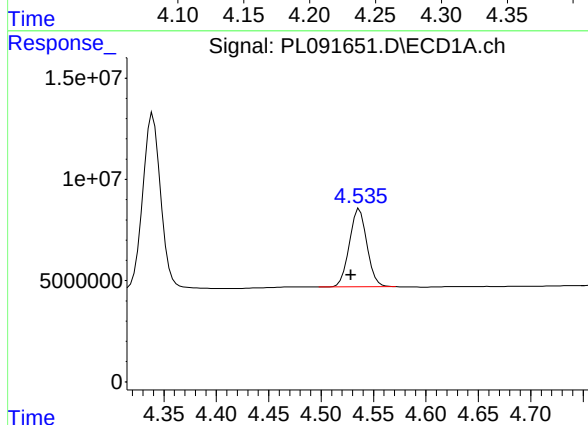
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



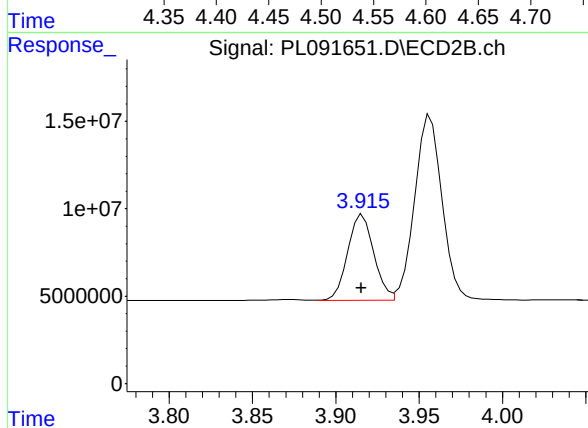
#5 Aldrin

R.T.: 4.236 min
Delta R.T.: 0.000 min
Response: 112420102
Conc: 49.27 ng/ml m



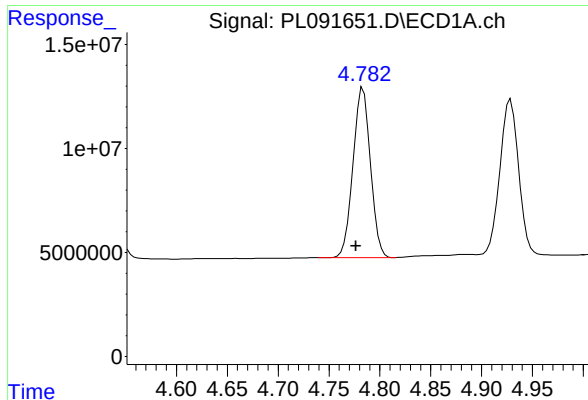
#6 beta-BHC

R.T.: 4.537 min
Delta R.T.: 0.008 min
Response: 45166007
Conc: 49.63 ng/ml



#6 beta-BHC

R.T.: 3.916 min
Delta R.T.: 0.000 min
Response: 53456579
Conc: 48.93 ng/ml



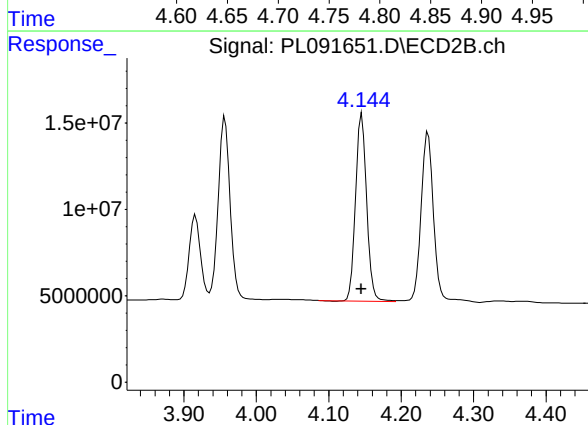
#7 delta-BHC

R.T.: 4.784 min
Delta R.T.: 0.007 min
Response: 97368592
Conc: 50.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

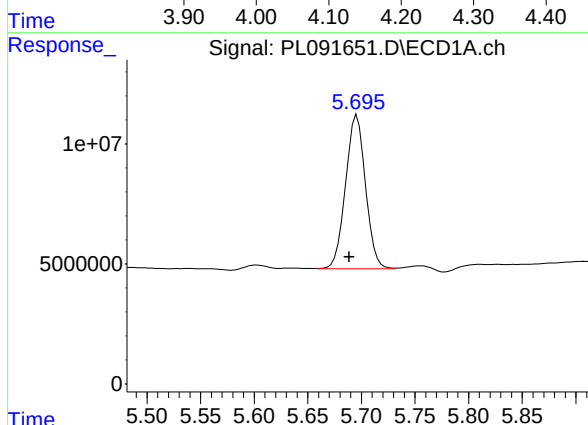
Manual Integrations
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Supervised By :Ankita Jodhani 09/12/2024



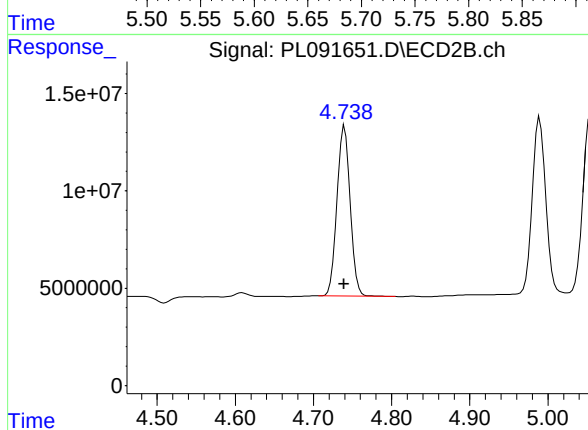
#7 delta-BHC

R.T.: 4.146 min
Delta R.T.: 0.000 min
Response: 115771244
Conc: 50.32 ng/ml



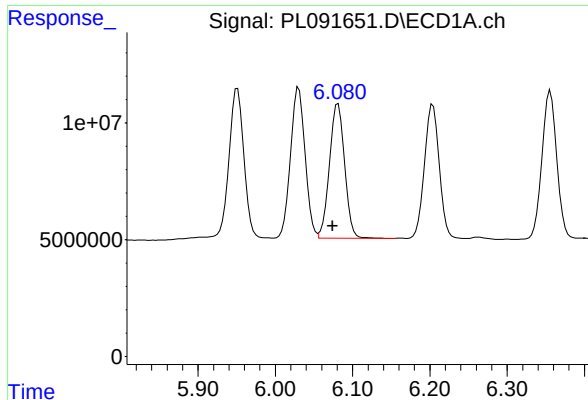
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 82718878
Conc: 49.57 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 102543756
Conc: 48.65 ng/ml



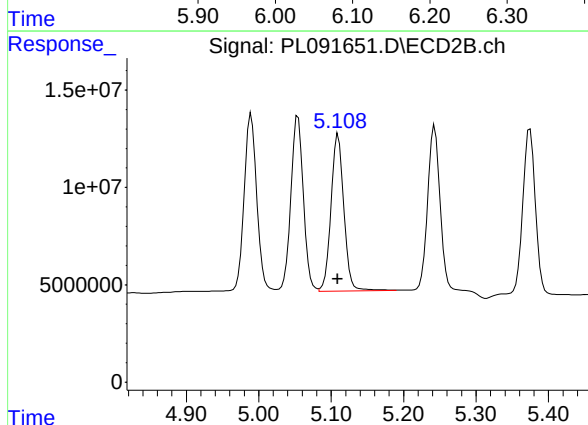
#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.007 min
Response: 78826093
Conc: 50.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

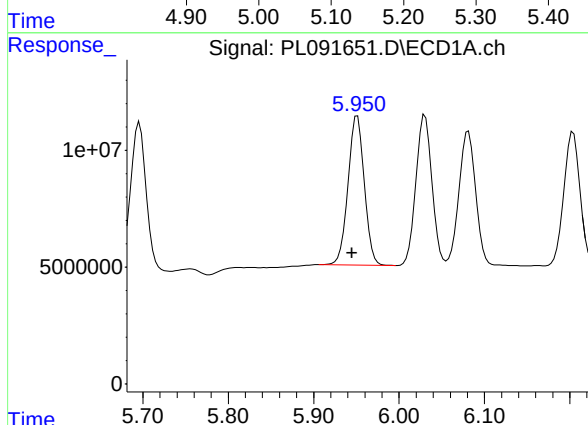
Manual Integrations
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Supervised By :Ankita Jodhani 09/12/2024



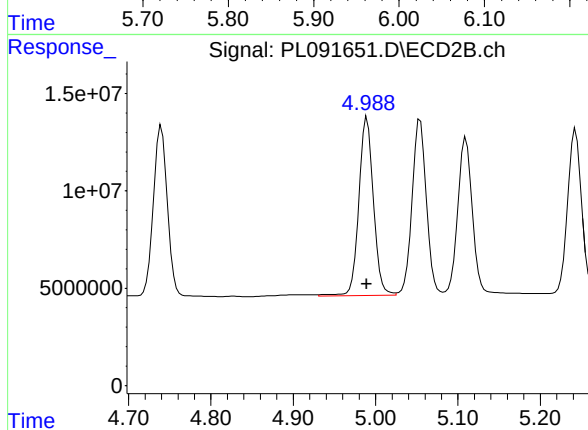
#9 Endosulfan I

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 99367244
Conc: 51.50 ng/ml



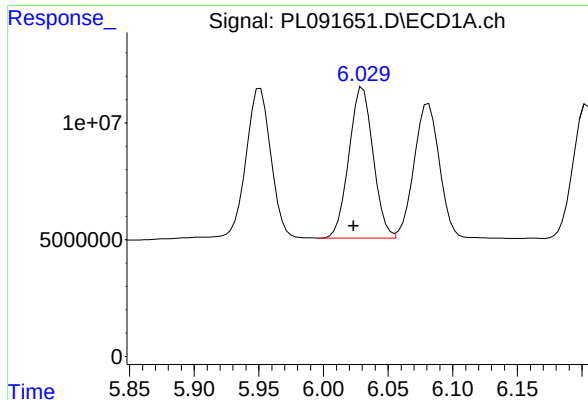
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 84924857
Conc: 50.83 ng/ml



#10 gamma-Chlordane

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 113197536
Conc: 51.32 ng/ml



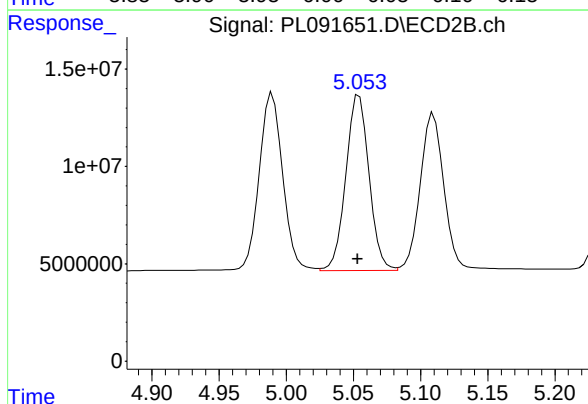
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 84004648
Conc: 52.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

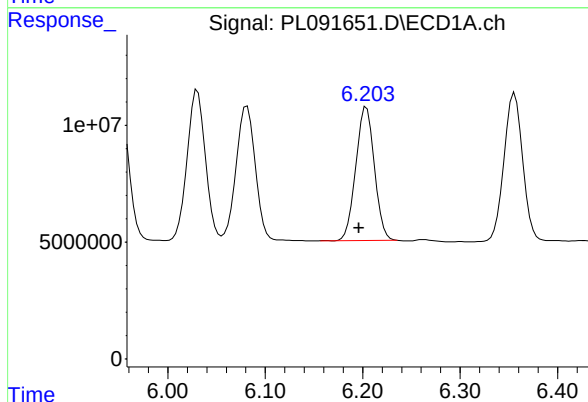
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



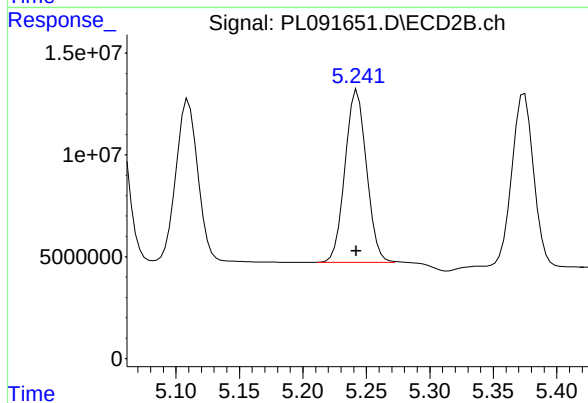
#11 alpha-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 109071725
Conc: 52.72 ng/ml



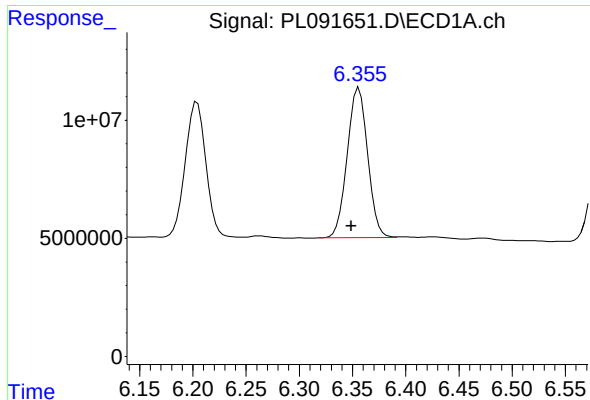
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.008 min
Response: 76108966
Conc: 52.18 ng/ml



#12 4,4'-DDE

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 99651200
Conc: 52.54 ng/ml m



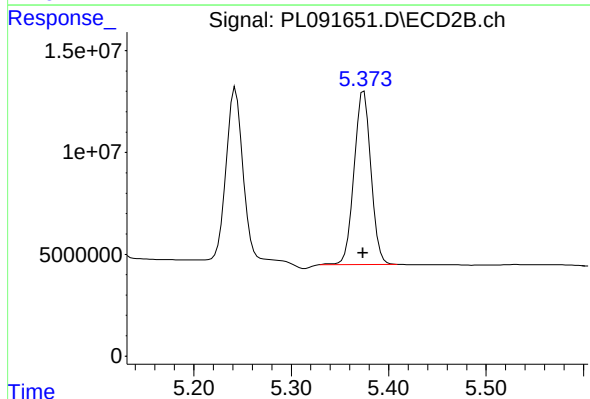
#13 Dieldrin

R.T.: 6.355 min
Delta R.T.: 0.006 min
Response: 84669276
Conc: 51.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

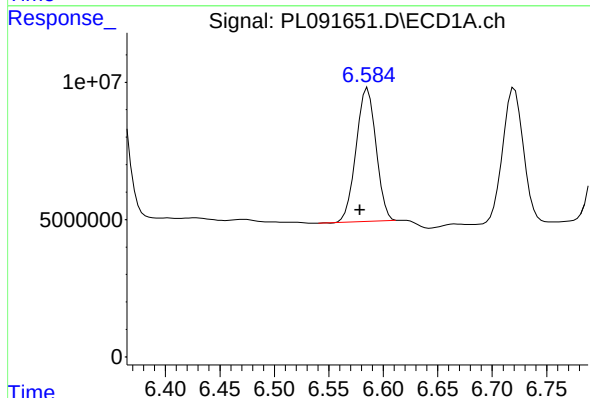
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
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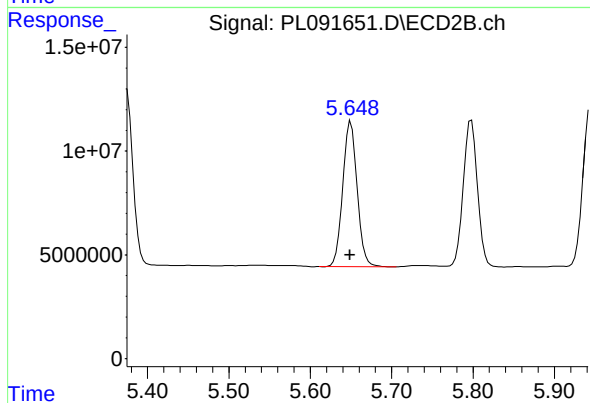
#13 Dieldrin

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 102376598
Conc: 49.81 ng/ml



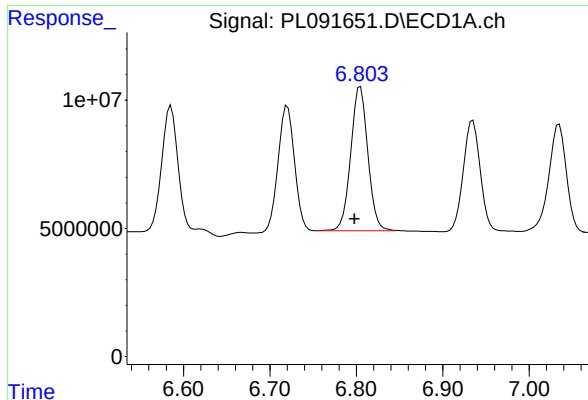
#14 Endrin

R.T.: 6.586 min
Delta R.T.: 0.007 min
Response: 61914701
Conc: 46.56 ng/ml



#14 Endrin

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 86165763
Conc: 45.66 ng/ml



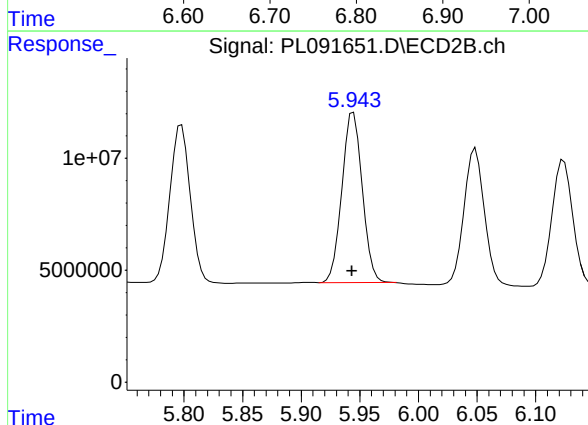
#15 Endosulfan II

R.T.: 6.803 min
Delta R.T.: 0.005 min
Response: 77514639
Conc: 50.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

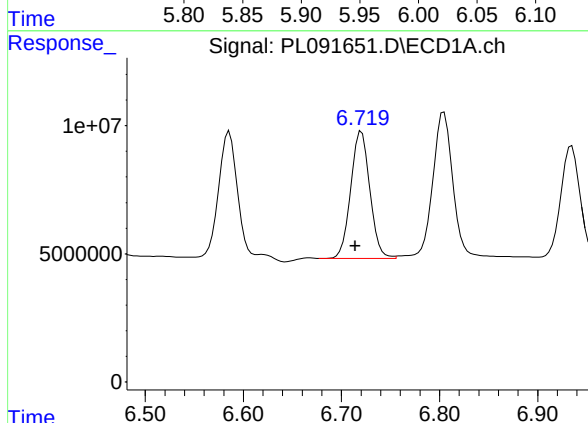
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



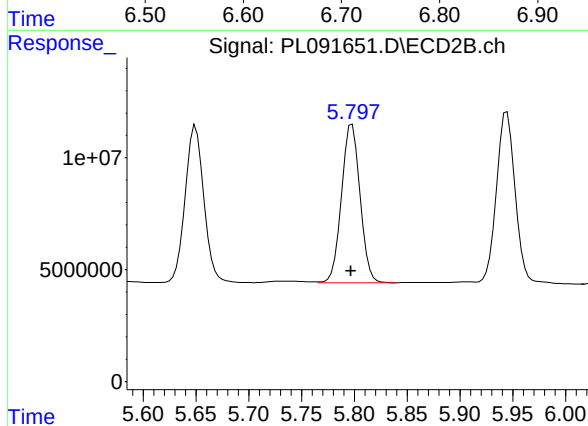
#15 Endosulfan II

R.T.: 5.945 min
Delta R.T.: 0.001 min
Response: 91882255
Conc: 51.94 ng/ml



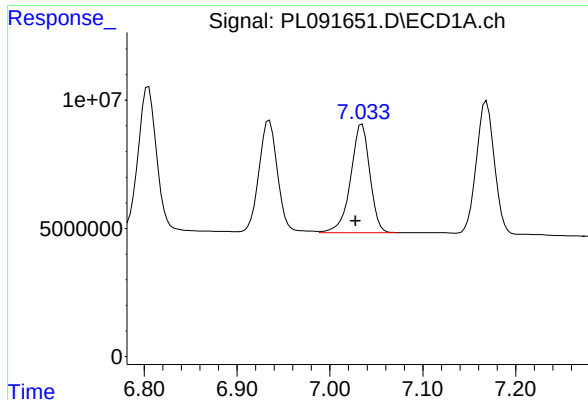
#16 4,4'-DDD

R.T.: 6.720 min
Delta R.T.: 0.006 min
Response: 67069490
Conc: 52.91 ng/ml



#16 4,4'-DDD

R.T.: 5.798 min
Delta R.T.: 0.001 min
Response: 86439766
Conc: 51.58 ng/ml



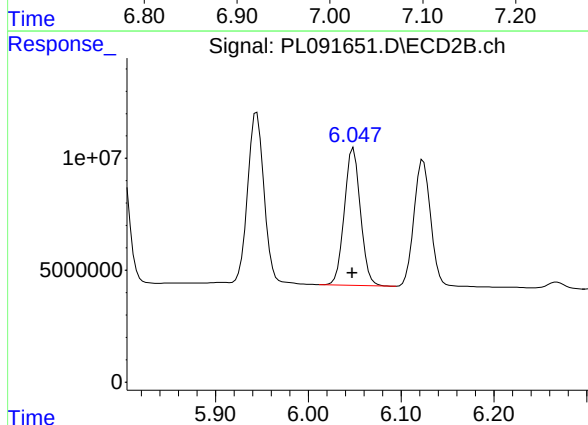
#17 4,4'-DDT

R.T.: 7.035 min
Delta R.T.: 0.007 min
Response: 60931474
Conc: 46.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

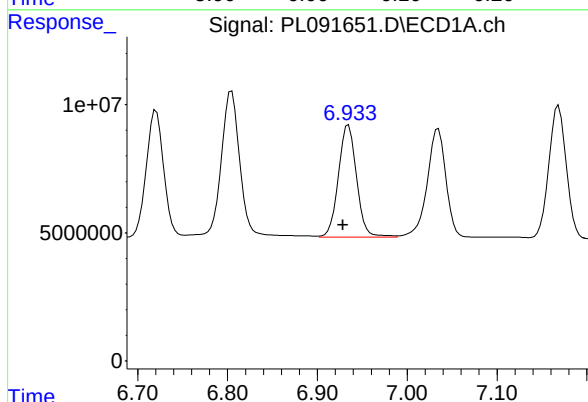
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



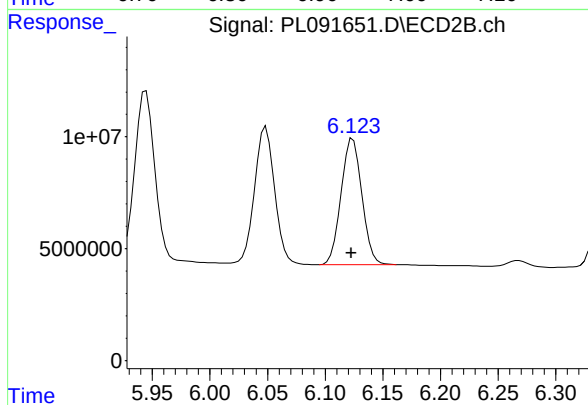
#17 4,4'-DDT

R.T.: 6.049 min
Delta R.T.: 0.001 min
Response: 74049033
Conc: 46.09 ng/ml



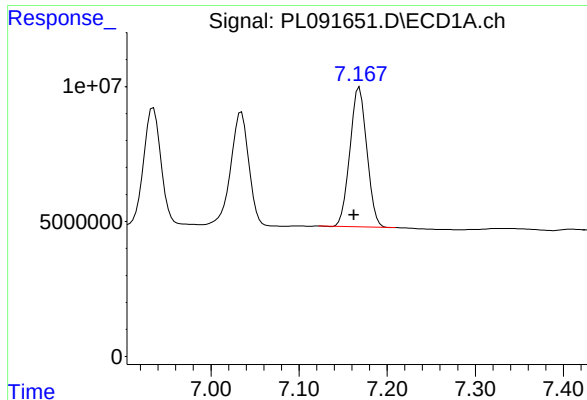
#18 Endrin aldehyde

R.T.: 6.935 min
Delta R.T.: 0.006 min
Response: 61630302
Conc: 51.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.124 min
Delta R.T.: 0.001 min
Response: 70197284
Conc: 51.35 ng/ml



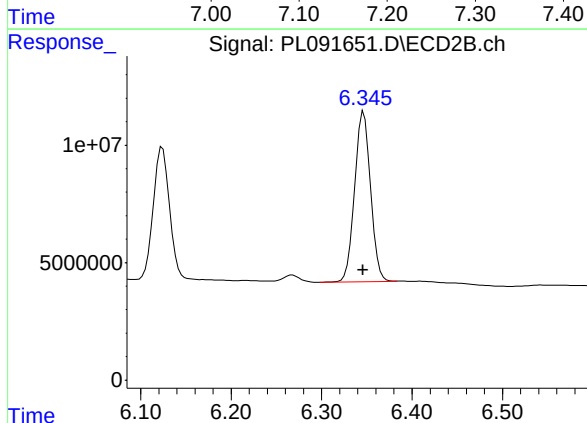
#19 Endosulfan Sulfate

R.T.: 7.169 min
Delta R.T.: 0.006 min
Response: 69083333
Conc: 49.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

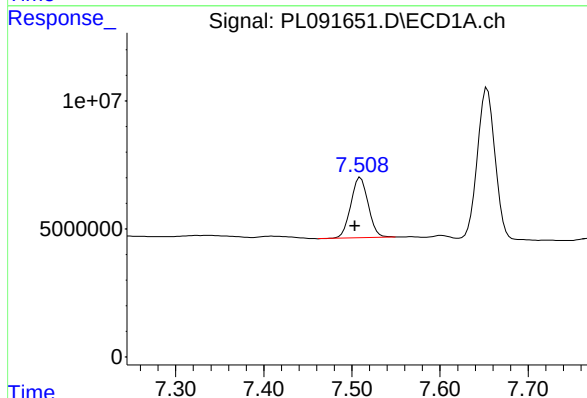
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



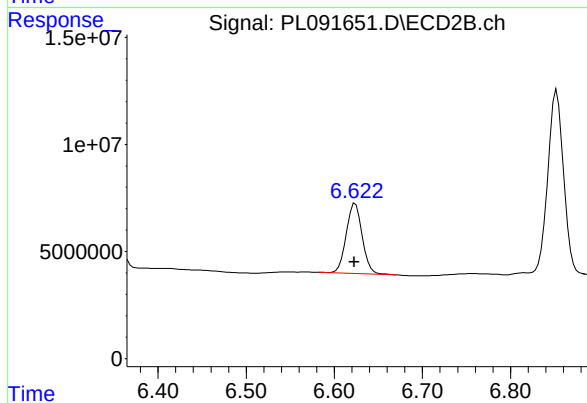
#19 Endosulfan Sulfate

R.T.: 6.347 min
Delta R.T.: 0.001 min
Response: 88991060
Conc: 51.86 ng/ml



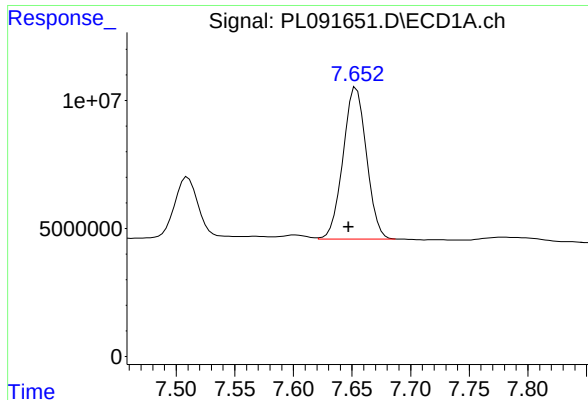
#20 Methoxychlor

R.T.: 7.510 min
Delta R.T.: 0.006 min
Response: 32459716
Conc: 47.98 ng/ml



#20 Methoxychlor

R.T.: 6.624 min
Delta R.T.: 0.001 min
Response: 41218344
Conc: 46.53 ng/ml



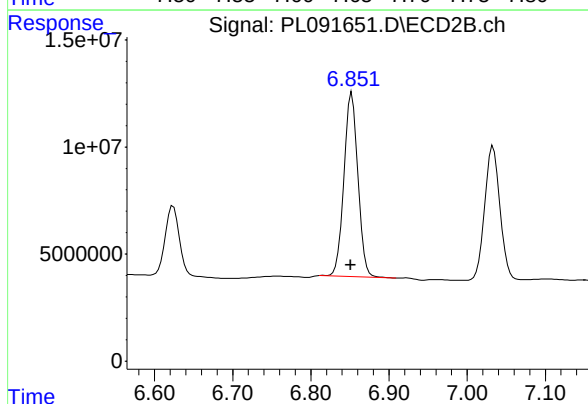
#21 Endrin ketone

R.T.: 7.652 min
Delta R.T.: 0.005 min
Response: 81880191
Conc: 52.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

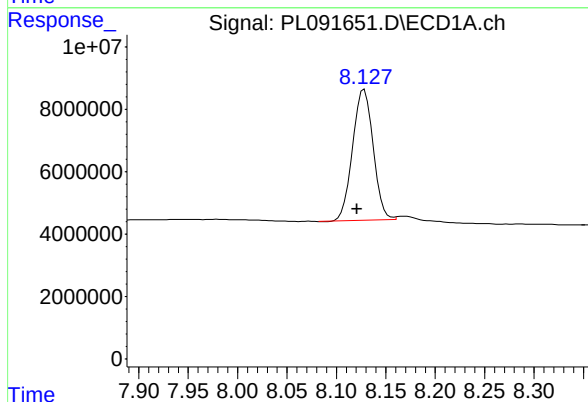
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



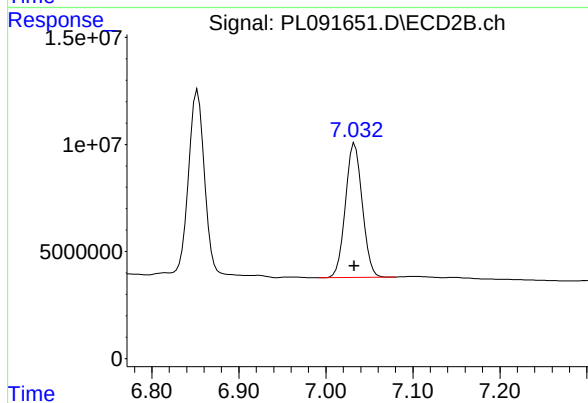
#21 Endrin ketone

R.T.: 6.852 min
Delta R.T.: 0.001 min
Response: 106709726
Conc: 53.05 ng/ml



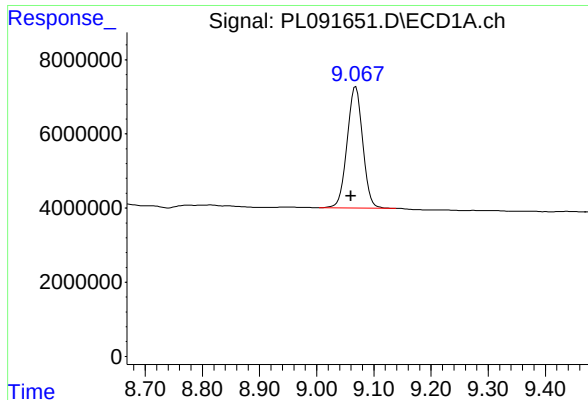
#22 Mirex

R.T.: 8.128 min
Delta R.T.: 0.008 min
Response: 60770102
Conc: 50.75 ng/ml



#22 Mirex

R.T.: 7.033 min
Delta R.T.: 0.000 min
Response: 84703029
Conc: 47.77 ng/ml



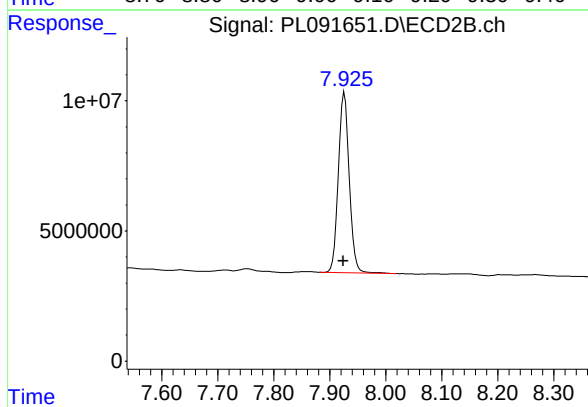
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.008 min
Response: 62503795
Conc: 51.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.002 min
Response: 93727917
Conc: 50.76 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Contract: CHEM02

 Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

 Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

 Continuing Calib Time: 15:17 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/11/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 15:17 Initial Calibration Time(s): 15:31 16:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.93	7.93	7.83	8.03	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.29	3.29	3.19	3.39	0.00
beta-BHC	3.92	3.92	3.82	4.02	0.00
delta-BHC	4.15	4.15	4.05	4.25	0.00
gamma-BHC (Lindane)	3.62	3.62	3.52	3.72	0.00
Heptachlor	3.96	3.96	3.86	4.06	0.00
Aldrin	4.24	4.24	4.14	4.34	0.00
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.38	5.37	5.27	5.47	-0.01
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Endosulfan II	5.95	5.94	5.84	6.04	-0.01
4,4'-DDD	5.80	5.80	5.70	5.90	0.00
Endosulfan sulfate	6.35	6.35	6.25	6.45	0.00
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL04 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091663.D Time Analyzed: 15:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.716	6.614	6.814	54.090	50.000	8.2
4,4'-DDE	6.199	6.096	6.296	52.730	50.000	5.5
4,4'-DDT	7.030	6.928	7.128	46.490	50.000	-7.0
Aldrin	5.264	5.162	5.362	52.100	50.000	4.2
alpha-BHC	4.001	3.899	4.099	55.170	50.000	10.3
alpha-Chlordane	6.026	5.923	6.123	53.980	50.000	8.0
beta-BHC	4.531	4.428	4.628	55.390	50.000	10.8
Decachlorobiphenyl	9.063	8.960	9.160	50.190	50.000	0.4
delta-BHC	4.778	4.676	4.876	52.590	50.000	5.2
Dieldrin	6.351	6.249	6.449	51.790	50.000	3.6
Endosulfan I	6.076	5.974	6.174	52.770	50.000	5.5
Endosulfan II	6.801	6.698	6.898	49.180	50.000	-1.6
Endosulfan sulfate	7.165	7.062	7.262	49.450	50.000	-1.1
Endrin	6.581	6.479	6.679	48.460	50.000	-3.1
Endrin aldehyde	6.930	6.829	7.029	50.170	50.000	0.3
Endrin ketone	7.648	7.547	7.747	51.150	50.000	2.3
gamma-BHC (Lindane)	4.334	4.232	4.432	55.670	50.000	11.3
gamma-Chlordane	5.947	5.845	6.045	52.380	50.000	4.8
Heptachlor	4.921	4.821	5.021	53.950	50.000	7.9
Heptachlor epoxide	5.691	5.589	5.789	53.410	50.000	6.8
Methoxychlor	7.505	7.403	7.603	49.080	50.000	-1.8
Tetrachloro-m-xylene	3.546	3.444	3.644	55.390	50.000	10.8



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL04 Date Analyzed: 09/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL091663.D Time Analyzed: 15:17

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.798	5.697	5.897	57.210	50.000	14.4
4,4'-DDE	5.243	5.142	5.342	58.170	50.000	16.3
4,4'-DDT	6.049	5.947	6.147	46.980	50.000	-6.0
Aldrin	4.238	4.136	4.336	58.780	50.000	17.6
alpha-BHC	3.288	3.186	3.386	59.790	50.000	19.6
alpha-Chlordane	5.054	4.953	5.153	55.540	50.000	11.1
beta-BHC	3.917	3.815	4.015	54.850	50.000	9.7
Decachlorobiphenyl	7.926	7.825	8.025	42.940	50.000	-14.1
delta-BHC	4.146	4.045	4.245	58.390	50.000	16.8
Dieldrin	5.375	5.274	5.474	54.990	50.000	10.0
Endosulfan I	5.110	5.009	5.209	53.830	50.000	7.7
Endosulfan II	5.945	5.843	6.043	53.260	50.000	6.5
Endosulfan sulfate	6.347	6.246	6.446	51.960	50.000	3.9
Endrin	5.650	5.549	5.749	49.430	50.000	-1.1
Endrin aldehyde	6.124	6.023	6.223	51.330	50.000	2.7
Endrin ketone	6.853	6.751	6.951	50.310	50.000	0.6
gamma-BHC (Lindane)	3.618	3.516	3.716	57.480	50.000	15.0
gamma-Chlordane	4.991	4.889	5.089	55.120	50.000	10.2
Heptachlor	3.958	3.856	4.056	56.490	50.000	13.0
Heptachlor epoxide	4.741	4.639	4.839	53.990	50.000	8.0
Methoxychlor	6.624	6.523	6.723	45.500	50.000	-9.0
Tetrachloro-m-xylene	2.784	2.683	2.883	58.900	50.000	17.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
 Data File : PL091663.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2024 15:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 03:51:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.784	86323103	110.2E6	55.385	58.901
28)	SA Decachlor...	9.063	7.926	61002468	79283774	50.194	42.936
Target Compounds							
2)	A alpha-BHC	4.001	3.288	119.2E6	159.0E6	55.172	59.790
3)	MA gamma-BHC...	4.334	3.618	114.4E6	141.4E6	55.668	57.481
4)	MA Heptachlor	4.921	3.958	101.1E6	136.1E6	53.951m	56.495
5)	MB Aldrin	5.264	4.238	97033204	134.1E6	52.096	58.780
6)	B beta-BHC	4.531	3.917	50402418	59919550	55.386	54.848
7)	B delta-BHC	4.778	4.146	101.0E6	134.3E6	52.586	58.389
8)	B Heptachlo...	5.691	4.741	89118646	113.8E6	53.405	53.991
9)	A Endosulfan I	6.076	5.110	82214759	103.9E6	52.766	53.833
10)	B gamma-Chl...	5.947	4.991	87507680	121.6E6	52.376	55.117
11)	B alpha-Chl...	6.026	5.054	87001820	114.9E6	53.977	55.538
12)	B 4,4'-DDE	6.199	5.243	76912152	110.3E6	52.728	58.165
13)	MA Dieldrin	6.351	5.375	84506815	113.0E6	51.789	54.991
14)	MA Endrin	6.581	5.650	64439592	93282640	48.462	49.429
15)	B Endosulfa...	6.801	5.945	76223975	94211203	49.177	53.259
16)	A 4,4'-DDD	6.716	5.798	68567109	95877937	54.094	57.215
17)	MA 4,4'-DDT	7.030	6.049	60982034	75481955	46.489	46.977
18)	B Endrin al...	6.930	6.124	59604490	70173961	50.167	51.333
19)	B Endosulfa...	7.165	6.347	69055539	89173717	49.453	51.963
20)	A Methoxychlor	7.505	6.624	33198625	40304718	49.076	45.503
21)	B Endrin ke...	7.648	6.853	79100902	101.2E6	51.154m	50.305
22)	Mirex	8.123	7.034	59060705	77600857	49.323	43.762

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091663.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 15:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

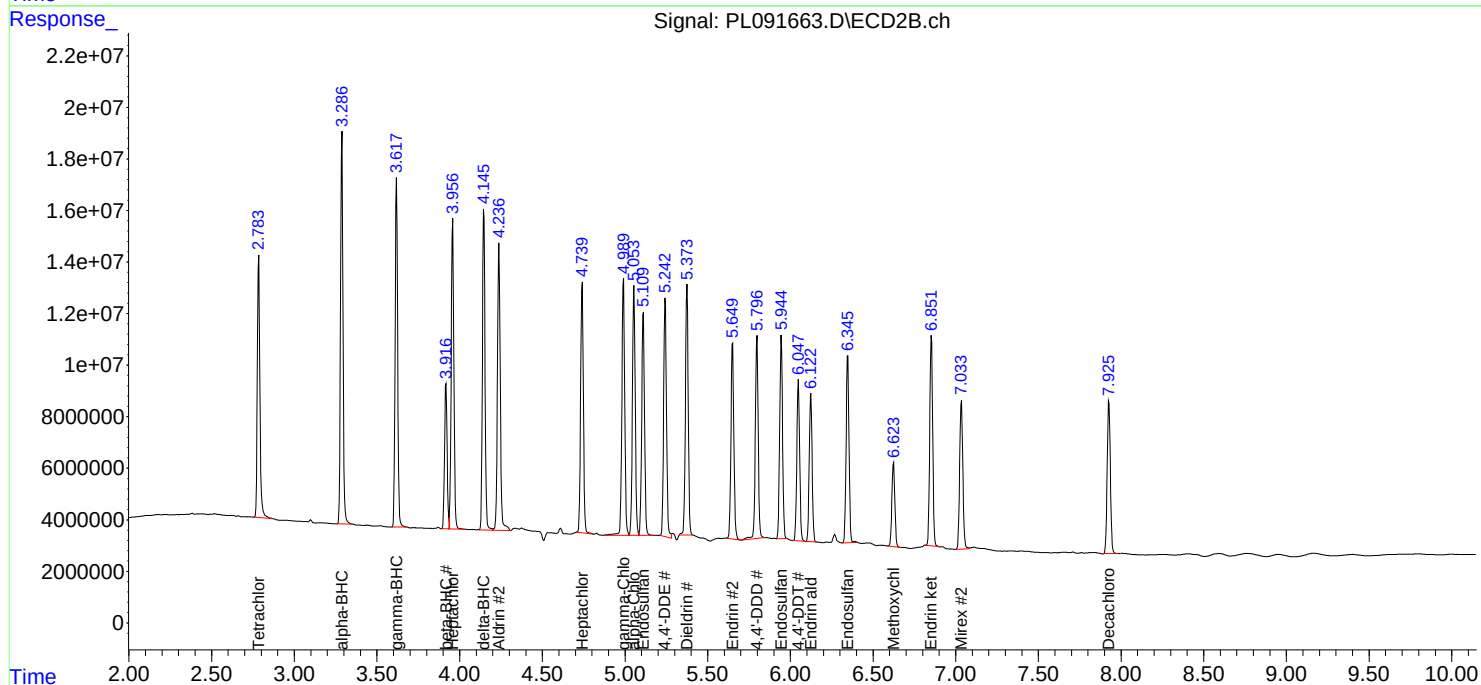
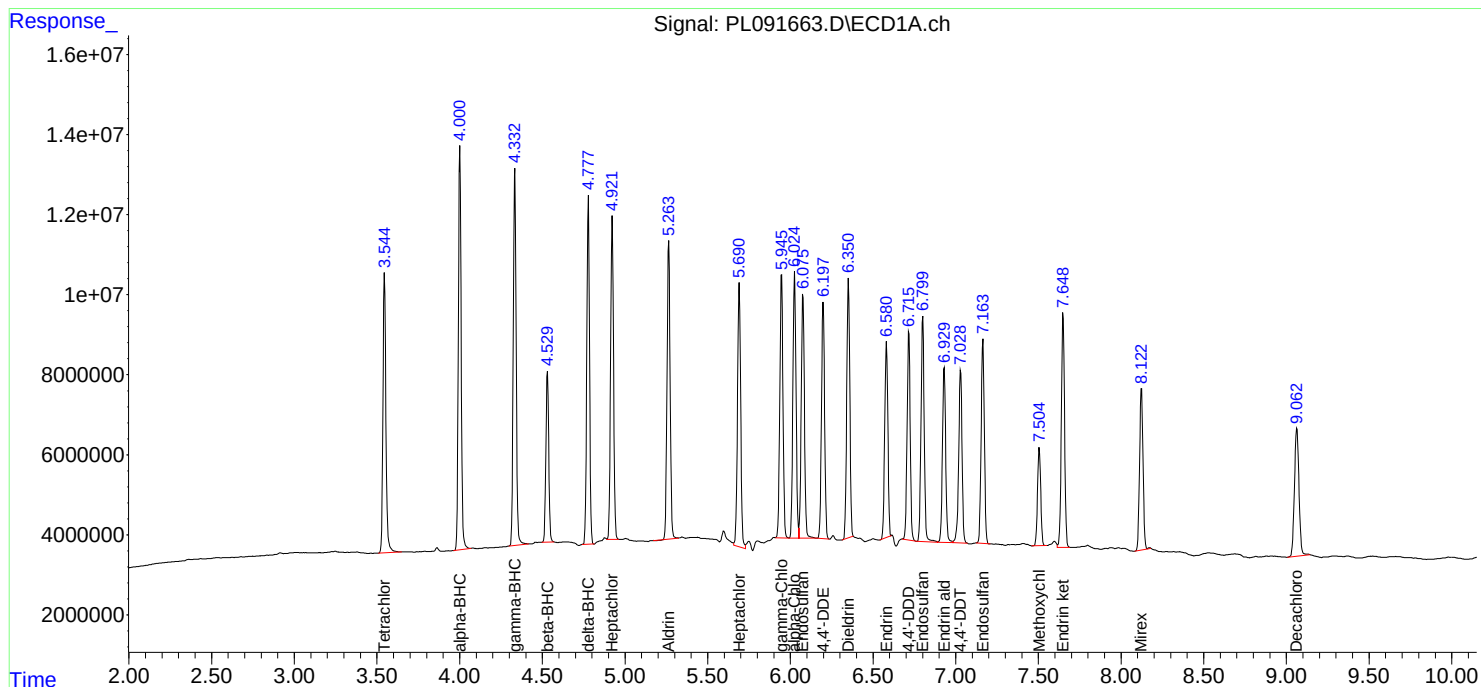
APPROVED

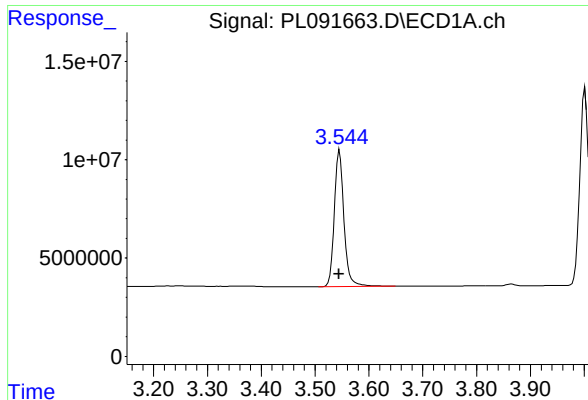
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 03:51:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.002 min
Response: 86323103
Conc: 55.39 ng/ml

Instrument :

ECD_L

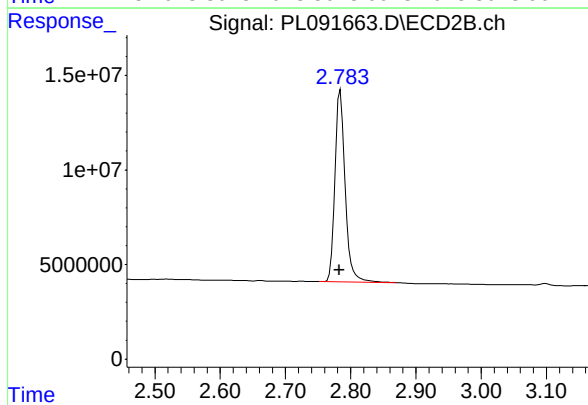
ClientSampleId :

PSTDCCC050

Manual Integrations

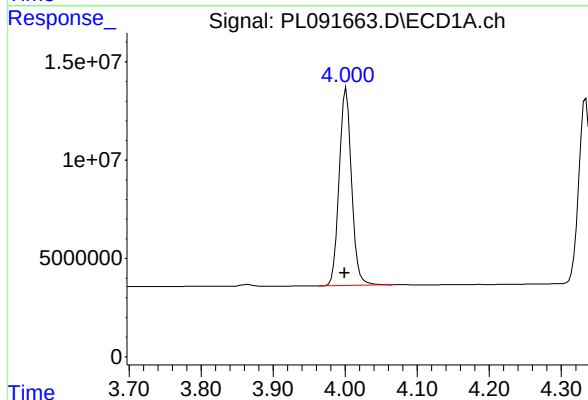
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



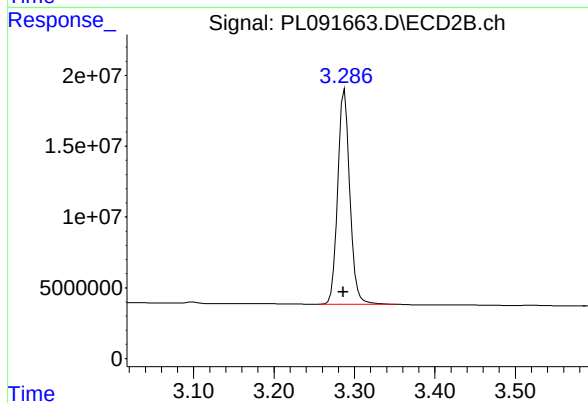
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.002 min
Response: 110162882
Conc: 58.90 ng/ml



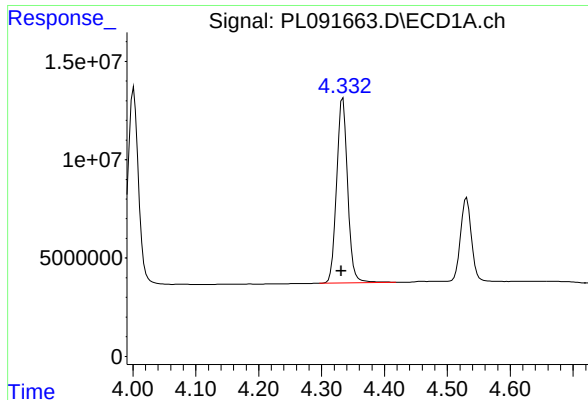
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.002 min
Response: 119167132
Conc: 55.17 ng/ml



#2 alpha-BHC

R.T.: 3.288 min
Delta R.T.: 0.002 min
Response: 159015360
Conc: 59.79 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.002 min
Response: 114436636
Conc: 55.67 ng/ml

Instrument :

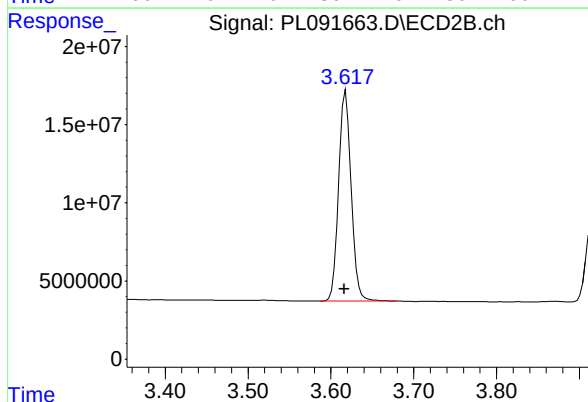
ECD_L

ClientSampleId :

PSTDCCC050

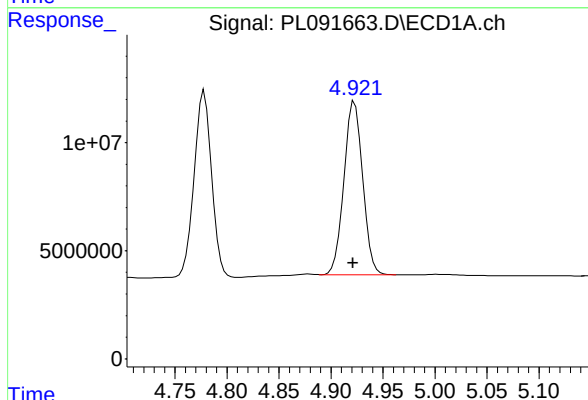
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



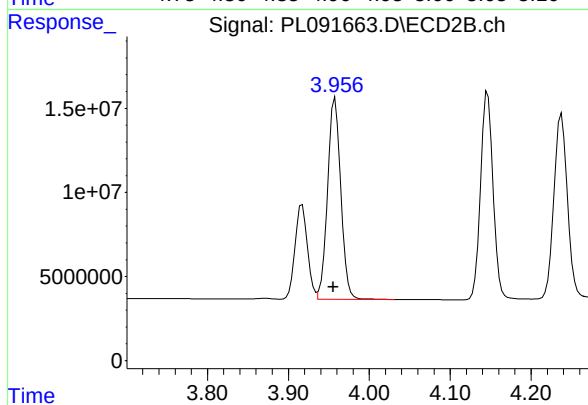
#3 gamma-BHC (Lindane)

R.T.: 3.618 min
Delta R.T.: 0.002 min
Response: 141372953
Conc: 57.48 ng/ml



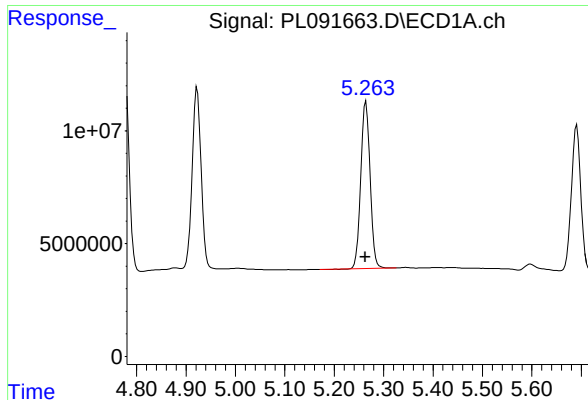
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 101050750
Conc: 53.95 ng/ml m



#4 Heptachlor

R.T.: 3.958 min
Delta R.T.: 0.002 min
Response: 136057164
Conc: 56.49 ng/ml



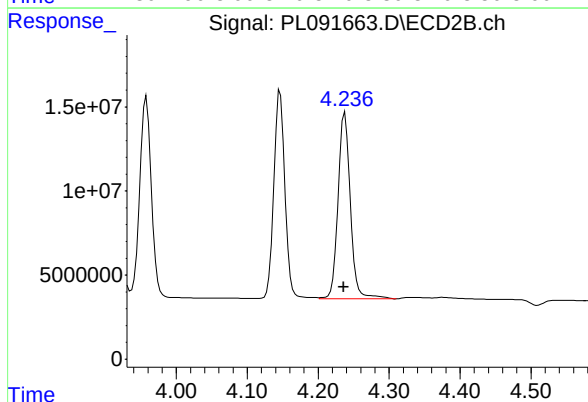
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.002 min
Response: 97033204
Conc: 52.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

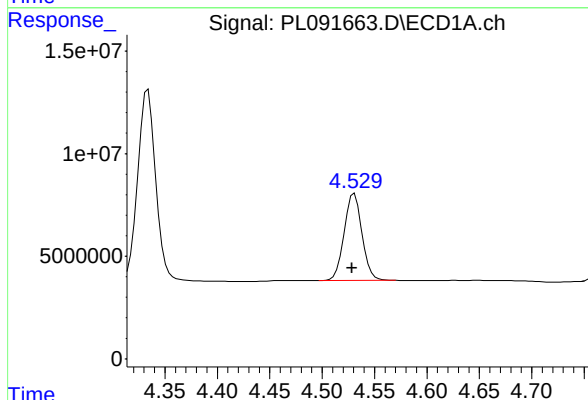
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
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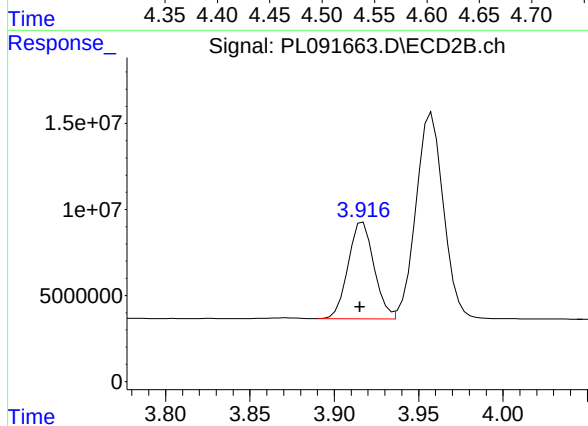
#5 Aldrin

R.T.: 4.238 min
Delta R.T.: 0.002 min
Response: 134105997
Conc: 58.78 ng/ml



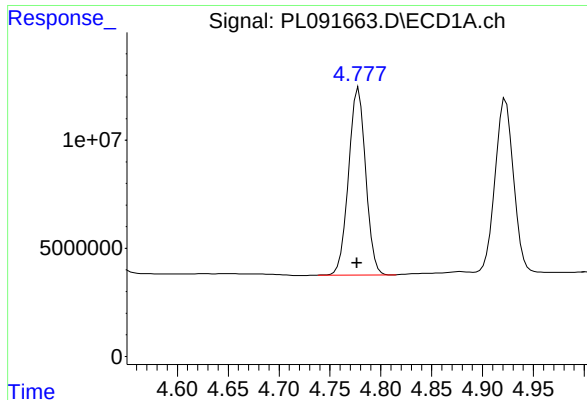
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.002 min
Response: 50402418
Conc: 55.39 ng/ml



#6 beta-BHC

R.T.: 3.917 min
Delta R.T.: 0.002 min
Response: 59919550
Conc: 54.85 ng/ml



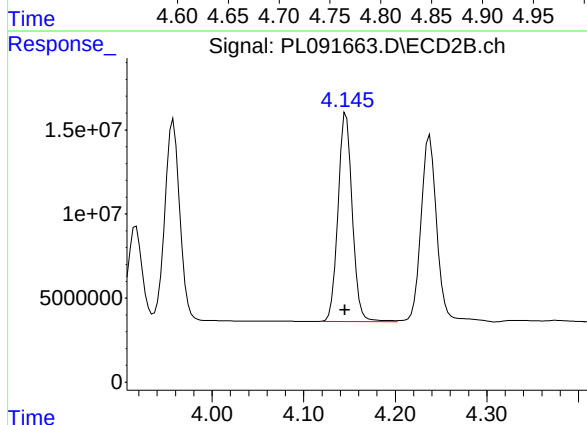
#7 delta-BHC

R.T.: 4.778 min
Delta R.T.: 0.002 min
Response: 101025909
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

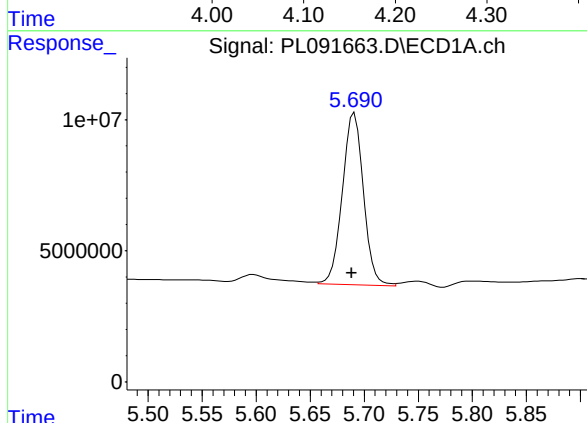
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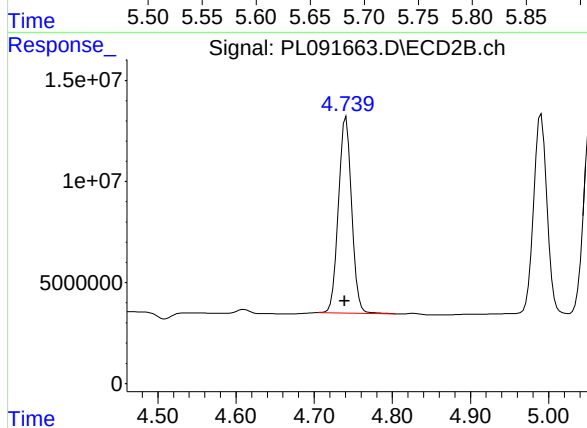
#7 delta-BHC

R.T.: 4.146 min
Delta R.T.: 0.001 min
Response: 134336793
Conc: 58.39 ng/ml



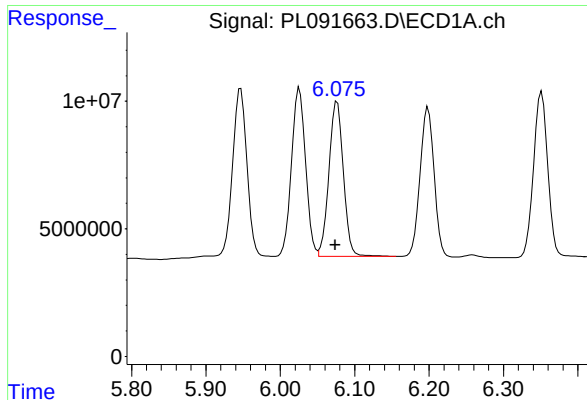
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.002 min
Response: 89118646
Conc: 53.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min
Delta R.T.: 0.002 min
Response: 113796986
Conc: 53.99 ng/ml



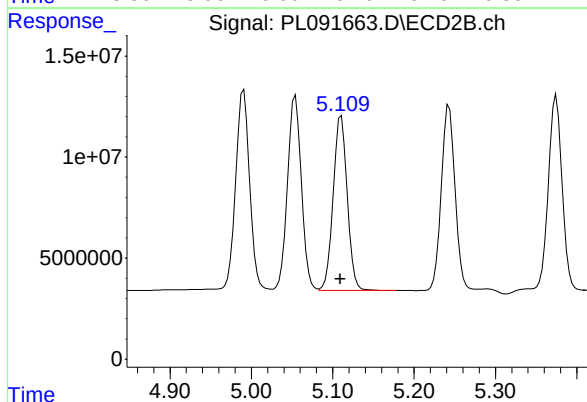
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.002 min
Response: 82214759
Conc: 52.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

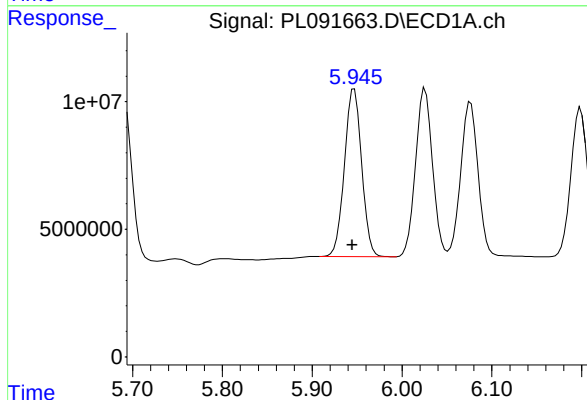
Manual Integrations
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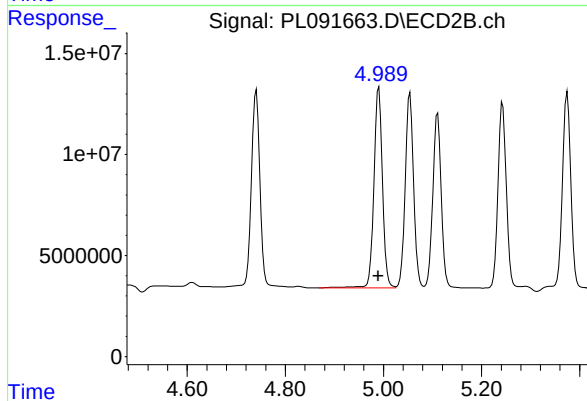
#9 Endosulfan I

R.T.: 5.110 min
Delta R.T.: 0.001 min
Response: 103862421
Conc: 53.83 ng/ml



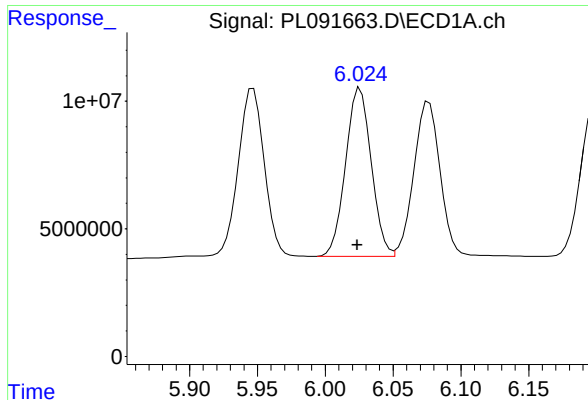
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.002 min
Response: 87507680
Conc: 52.38 ng/ml



#10 gamma-Chlordane

R.T.: 4.991 min
Delta R.T.: 0.001 min
Response: 121569340
Conc: 55.12 ng/ml



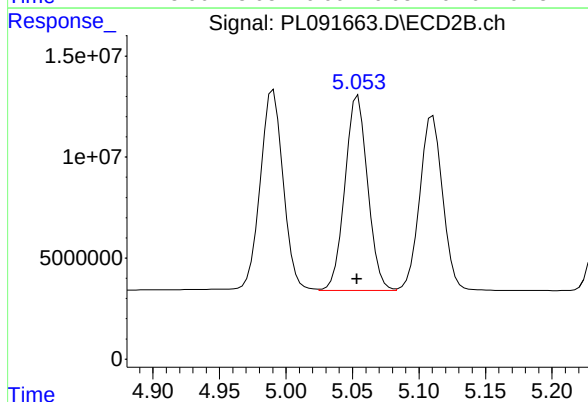
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 87001820
Conc: 53.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

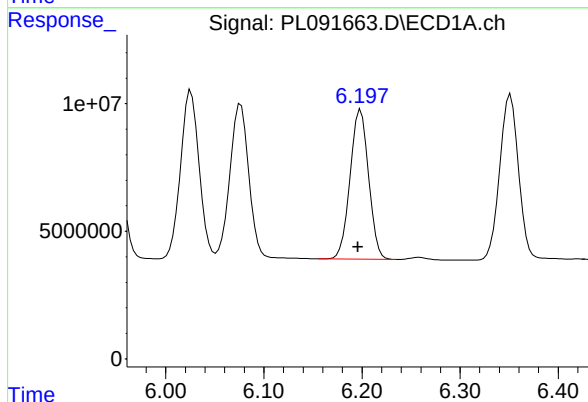
Manual Integrations
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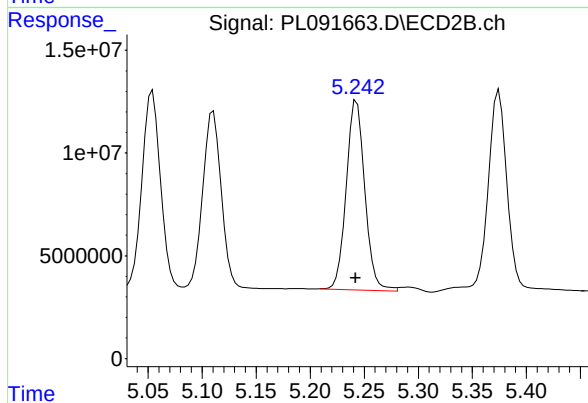
#11 alpha-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 114907727
Conc: 55.54 ng/ml



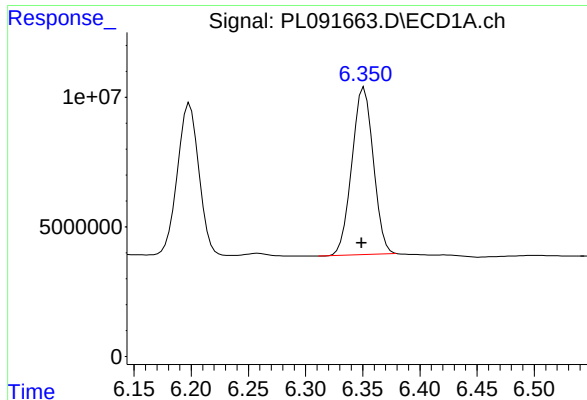
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.003 min
Response: 76912152
Conc: 52.73 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 110322557
Conc: 58.17 ng/ml



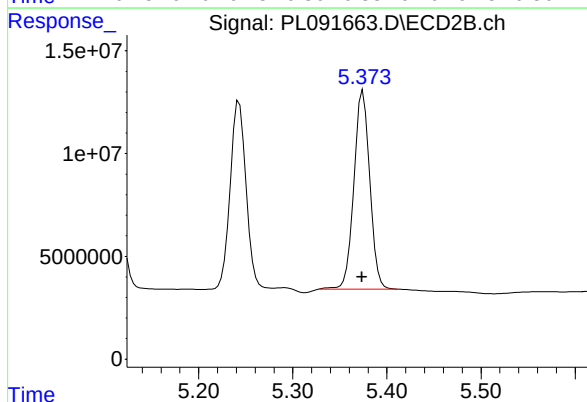
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.002 min
Response: 84506815
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

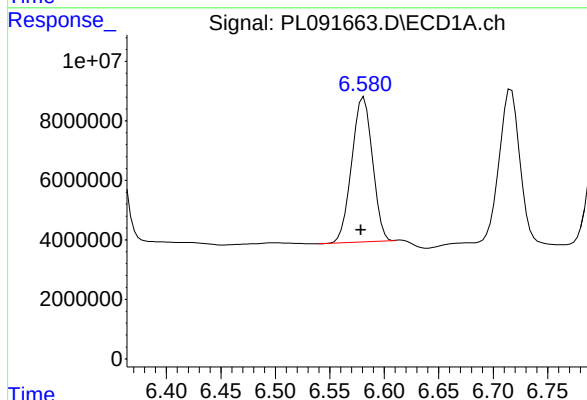
Manual Integrations
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Supervised By :Ankita Jodhani 09/12/2024



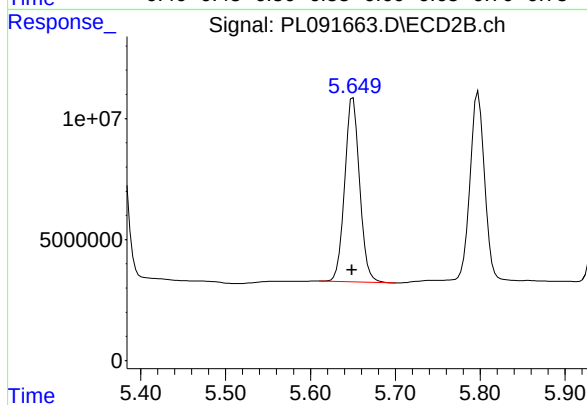
#13 Dieldrin

R.T.: 5.375 min
Delta R.T.: 0.001 min
Response: 113029963
Conc: 54.99 ng/ml



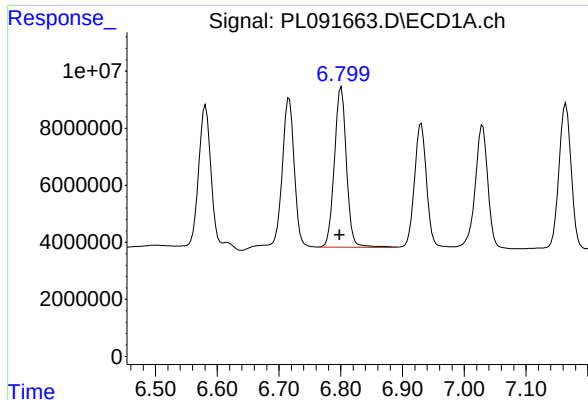
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.003 min
Response: 64439592
Conc: 48.46 ng/ml



#14 Endrin

R.T.: 5.650 min
Delta R.T.: 0.001 min
Response: 93282640
Conc: 49.43 ng/ml



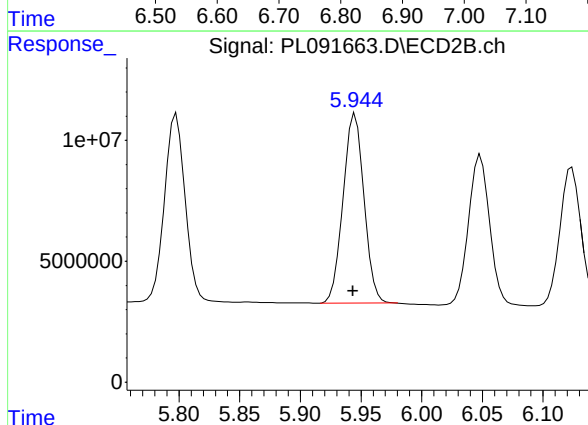
#15 Endosulfan II

R.T.: 6.801 min
Delta R.T.: 0.003 min
Response: 76223975
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

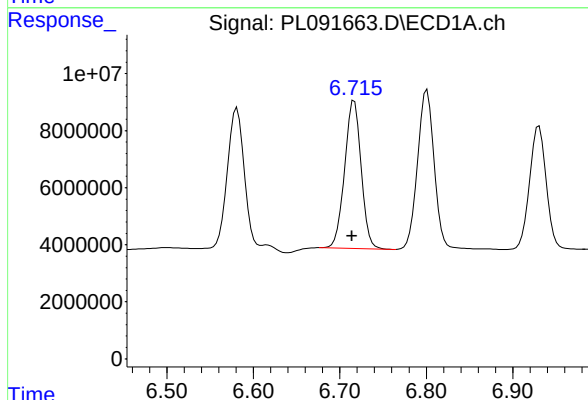
Manual Integrations
APPROVED

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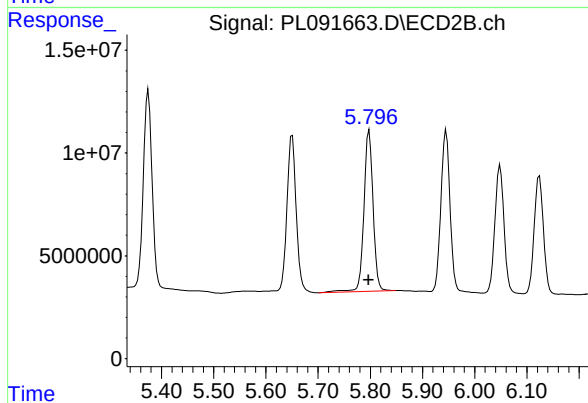
#15 Endosulfan II

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 94211203
Conc: 53.26 ng/ml



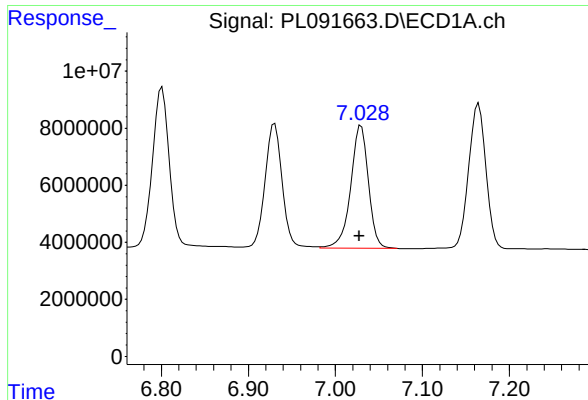
#16 4,4'-DDD

R.T.: 6.716 min
Delta R.T.: 0.002 min
Response: 68567109
Conc: 54.09 ng/ml



#16 4,4'-DDD

R.T.: 5.798 min
Delta R.T.: 0.001 min
Response: 95877937
Conc: 57.21 ng/ml



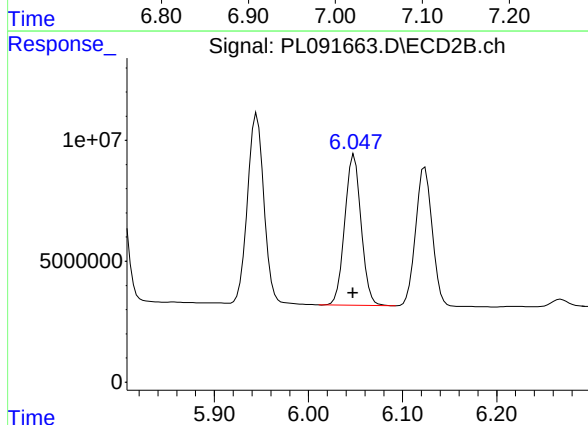
#17 4,4'-DDT

R.T.: 7.030 min
Delta R.T.: 0.002 min
Response: 60982034
Conc: 46.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

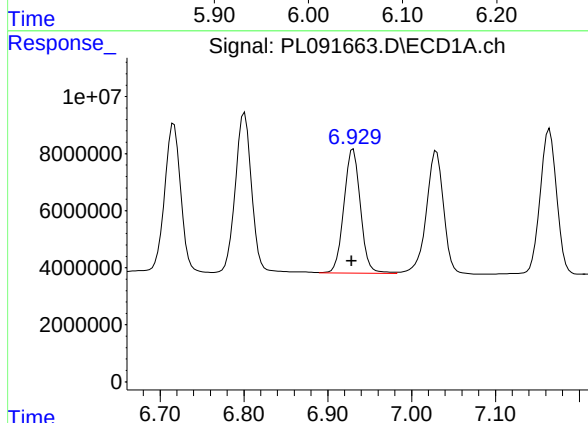
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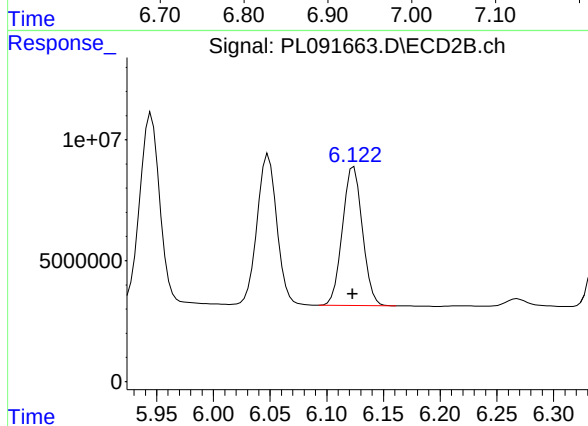
#17 4,4'-DDT

R.T.: 6.049 min
Delta R.T.: 0.001 min
Response: 75481955
Conc: 46.98 ng/ml



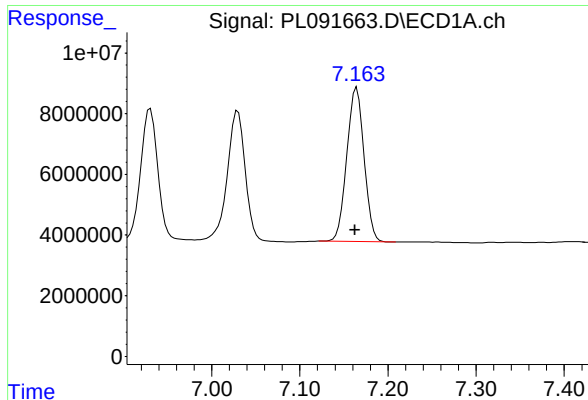
#18 Endrin aldehyde

R.T.: 6.930 min
Delta R.T.: 0.002 min
Response: 59604490
Conc: 50.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.124 min
Delta R.T.: 0.001 min
Response: 70173961
Conc: 51.33 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.165 min
Delta R.T.: 0.002 min
Response: 69055539
Conc: 49.45 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

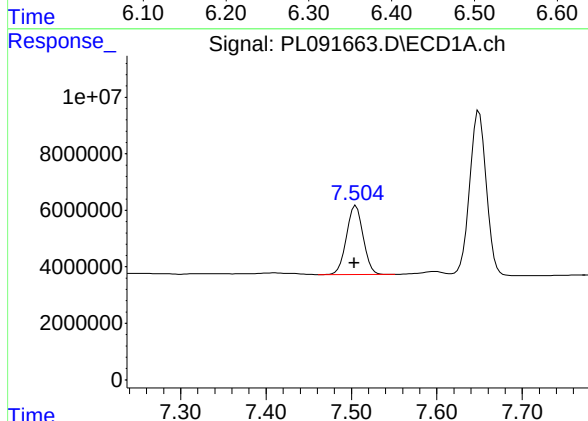
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#19 Endosulfan Sulfate

R.T.: 6.347 min
Delta R.T.: 0.001 min
Response: 89173717
Conc: 51.96 ng/ml

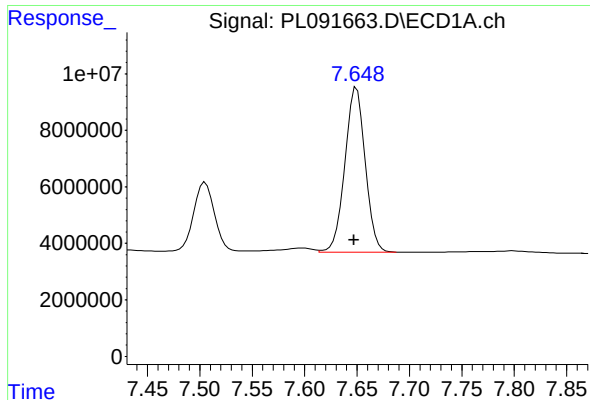


#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.002 min
Response: 33198625
Conc: 49.08 ng/ml

#20 Methoxychlor

R.T.: 6.624 min
Delta R.T.: 0.001 min
Response: 40304718
Conc: 45.50 ng/ml



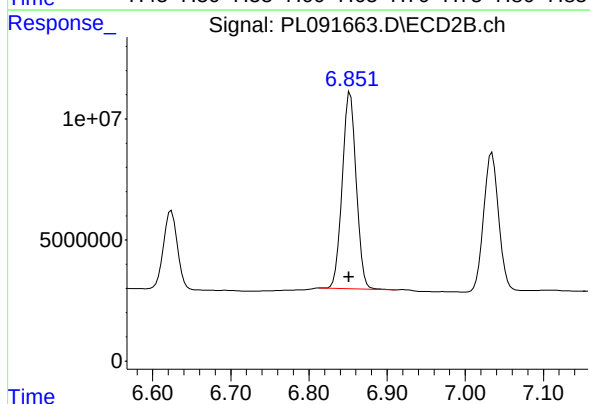
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.001 min
Response: 79100902
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

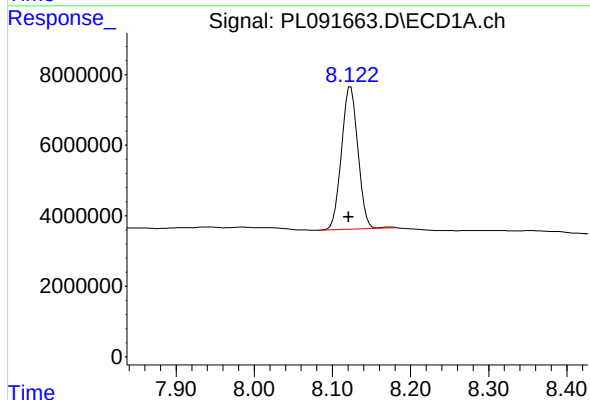
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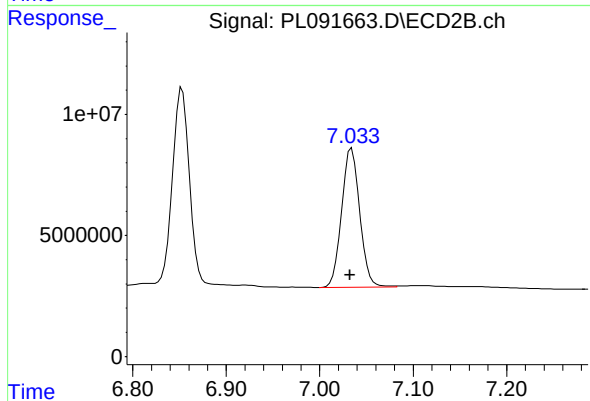
#21 Endrin ketone

R.T.: 6.853 min
Delta R.T.: 0.002 min
Response: 101183724
Conc: 50.31 ng/ml



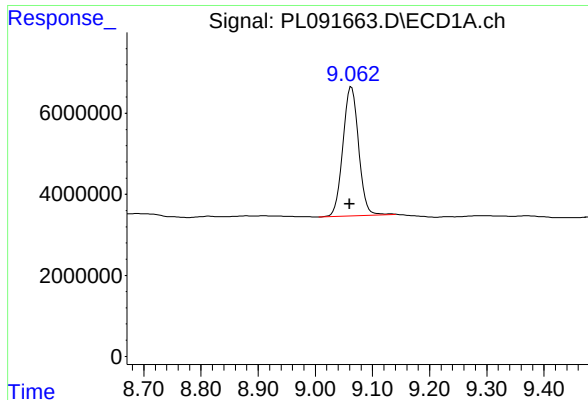
#22 Mirex

R.T.: 8.123 min
Delta R.T.: 0.003 min
Response: 59060705
Conc: 49.32 ng/ml



#22 Mirex

R.T.: 7.034 min
Delta R.T.: 0.002 min
Response: 77600857
Conc: 43.76 ng/ml



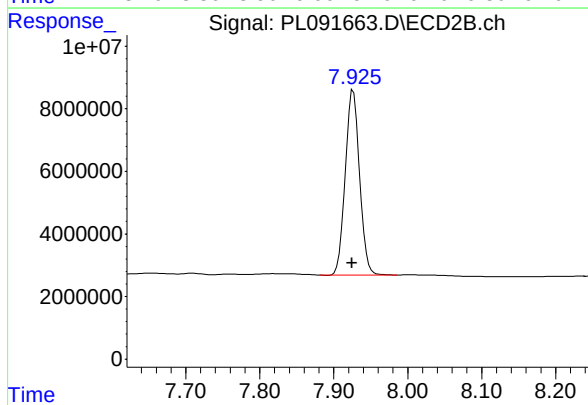
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.003 min
Response: 61002468
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.002 min
Response: 79283774
Conc: 42.94 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 09:55 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 09:55 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.29	3.29	3.19	3.39	0.00
beta-BHC	3.92	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.62	3.62	3.52	3.72	0.00
Heptachlor	3.96	3.96	3.86	4.06	0.00
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.80	5.80	5.70	5.90	0.00
Endosulfan sulfate	6.35	6.34	6.24	6.44	0.00
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL05 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL091993.D Time Analyzed: 09:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.713	6.614	6.814	49.080	50.000	-1.8
4,4'-DDE	6.197	6.097	6.297	49.880	50.000	-0.2
4,4'-DDT	7.028	6.928	7.128	50.470	50.000	0.9
Aldrin	5.263	5.163	5.363	48.030	50.000	-3.9
alpha-BHC	4.000	3.899	4.099	51.420	50.000	2.8
alpha-Chlordane	6.024	5.924	6.124	51.690	50.000	3.4
beta-BHC	4.529	4.429	4.629	51.220	50.000	2.4
Decachlorobiphenyl	9.060	8.960	9.160	49.940	50.000	-0.1
delta-BHC	4.777	4.677	4.877	49.180	50.000	-1.6
Dieldrin	6.350	6.249	6.449	49.310	50.000	-1.4
Endosulfan I	6.075	5.975	6.175	50.800	50.000	1.6
Endosulfan II	6.799	6.698	6.898	47.880	50.000	-4.2
Endosulfan sulfate	7.163	7.063	7.263	49.070	50.000	-1.9
Endrin	6.578	6.479	6.679	49.660	50.000	-0.7
Endrin aldehyde	6.929	6.828	7.028	47.130	50.000	-5.7
Endrin ketone	7.648	7.548	7.748	48.800	50.000	-2.4
gamma-BHC (Lindane)	4.332	4.232	4.432	49.240	50.000	-1.5
gamma-Chlordane	5.944	5.845	6.045	50.040	50.000	0.1
Heptachlor	4.921	4.820	5.020	50.530	50.000	1.1
Heptachlor epoxide	5.688	5.589	5.789	48.640	50.000	-2.7
Methoxychlor	7.503	7.404	7.604	50.260	50.000	0.5
Tetrachloro-m-xylene	3.544	3.444	3.644	51.270	50.000	2.5



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL05 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL091993.D Time Analyzed: 09:55

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.796	5.696	5.896	53.790	50.000	7.6
4,4'-DDE	5.239	5.141	5.341	52.980	50.000	6.0
4,4'-DDT	6.046	5.946	6.146	53.150	50.000	6.3
Aldrin	4.234	4.135	4.335	51.260	50.000	2.5
alpha-BHC	3.286	3.186	3.386	55.220	50.000	10.4
alpha-Chlordane	5.052	4.952	5.152	53.200	50.000	6.4
beta-BHC	3.915	3.815	4.015	53.510	50.000	7.0
Decachlorobiphenyl	7.922	7.823	8.023	49.950	50.000	-0.1
delta-BHC	4.144	4.045	4.245	52.750	50.000	5.5
Dieldrin	5.372	5.272	5.472	53.080	50.000	6.2
Endosulfan I	5.108	5.008	5.208	51.010	50.000	2.0
Endosulfan II	5.941	5.842	6.042	53.090	50.000	6.2
Endosulfan sulfate	6.345	6.244	6.444	52.040	50.000	4.1
Endrin	5.648	5.548	5.748	52.940	50.000	5.9
Endrin aldehyde	6.122	6.022	6.222	49.300	50.000	-1.4
Endrin ketone	6.848	6.750	6.950	52.990	50.000	6.0
gamma-BHC (Lindane)	3.616	3.516	3.716	53.560	50.000	7.1
gamma-Chlordane	4.988	4.888	5.088	53.940	50.000	7.9
Heptachlor	3.956	3.855	4.055	54.110	50.000	8.2
Heptachlor epoxide	4.738	4.638	4.838	51.480	50.000	3.0
Methoxychlor	6.621	6.521	6.721	50.860	50.000	1.7
Tetrachloro-m-xylene	2.783	2.682	2.882	53.300	50.000	6.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
 Data File : PL091993.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 09:55
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:16:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.783	114.1E6	133.7E6	51.270	53.302
28)	SA Decachlor...	9.060	7.922	81807745	125.0E6	49.937	49.950
Target Compounds							
2)	A alpha-BHC	4.000	3.286	159.2E6	201.2E6	51.425	55.221
3)	MA gamma-BHC...	4.332	3.616	152.6E6	189.1E6	49.240	53.565
4)	MA Heptachlor	4.921	3.956	139.8E6	186.7E6	50.534	54.105
5)	MB Aldrin	5.263	4.234	133.4E6	174.4E6	48.034	51.264m
6)	B beta-BHC	4.529	3.915	67934055	80423735	51.218	53.505
7)	B delta-BHC	4.777	4.144	141.8E6	183.1E6	49.182	52.753
8)	B Heptachlo...	5.688	4.738	123.8E6	155.6E6	48.645m	51.480
9)	A Endosulfan I	6.075	5.108	117.5E6	140.0E6	50.801	51.007
10)	B gamma-Chl...	5.944	4.988	123.7E6	162.3E6	50.041m	53.940
11)	B alpha-Chl...	6.024	5.052	127.3E6	159.3E6	51.692	53.204
12)	B 4,4'-DDE	6.197	5.239	108.0E6	147.2E6	49.877	52.979m
13)	MA Dieldrin	6.350	5.372	120.3E6	155.6E6	49.313	53.080
14)	MA Endrin	6.578	5.648	102.3E6	138.8E6	49.662m	52.944
15)	B Endosulfa...	6.799	5.941	105.3E6	132.8E6	47.877	53.088m
16)	A 4,4'-DDD	6.713	5.796	88137509	114.9E6	49.082m	53.791
17)	MA 4,4'-DDT	7.028	6.046	92922344	122.9E6	50.468	53.152
18)	B Endrin al...	6.929	6.122	82134972	100.6E6	47.129	49.299
19)	B Endosulfa...	7.163	6.345	97261747	125.5E6	49.066	52.041
20)	A Methoxychlor	7.503	6.621	49342488	63596858	50.262m	50.863
21)	B Endrin ke...	7.648	6.848	107.3E6	146.7E6	48.805	52.986m
22)	Mirex	8.121	7.031	84055062	116.1E6	46.671	47.717

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

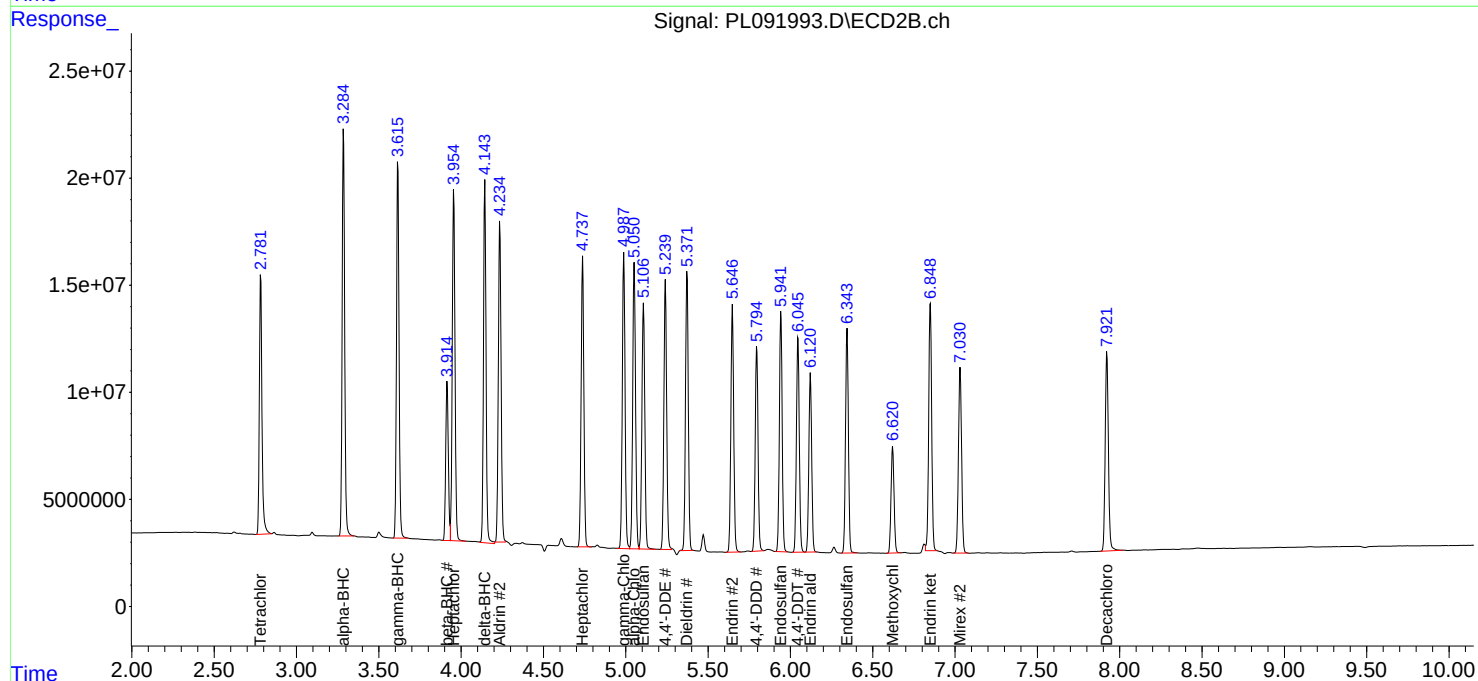
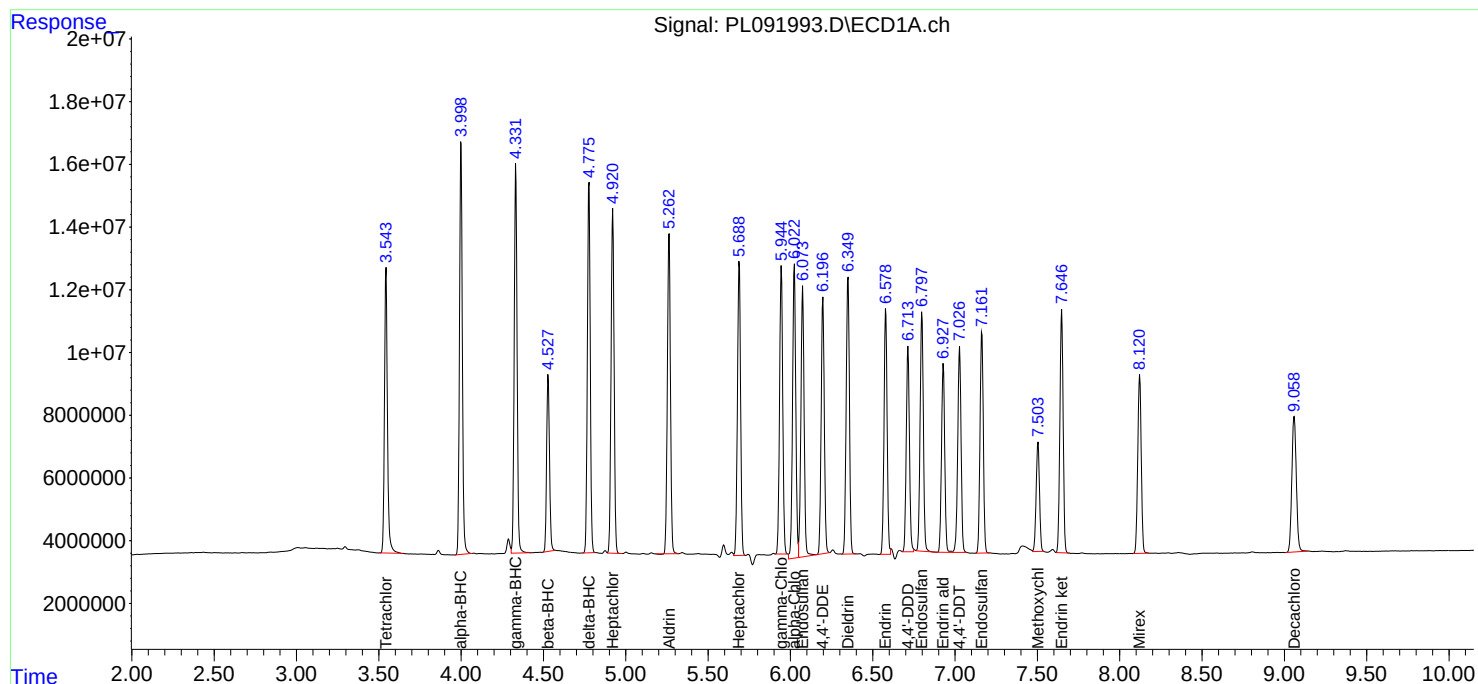
APPROVED

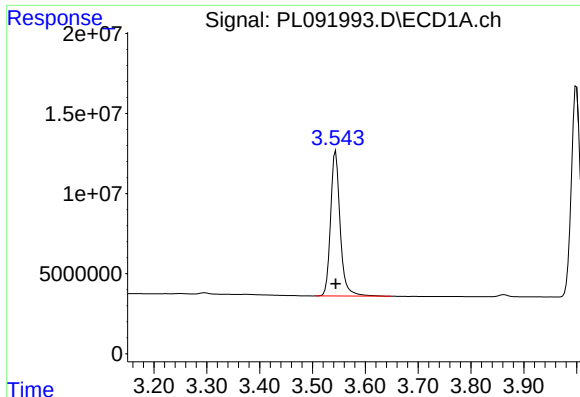
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:16:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 114059206
Conc: 51.27 ng/ml

Instrument :

ECD_L

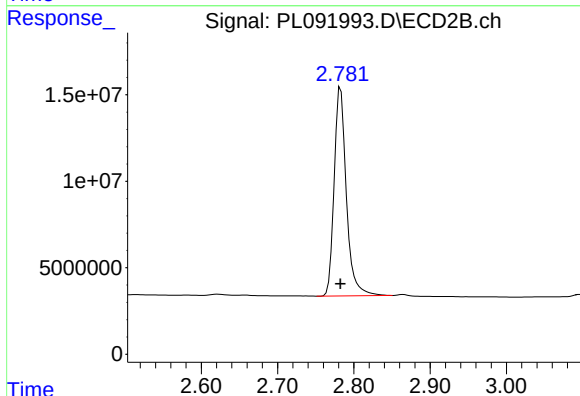
ClientSampleId :

PSTDCCC050

Manual Integrations

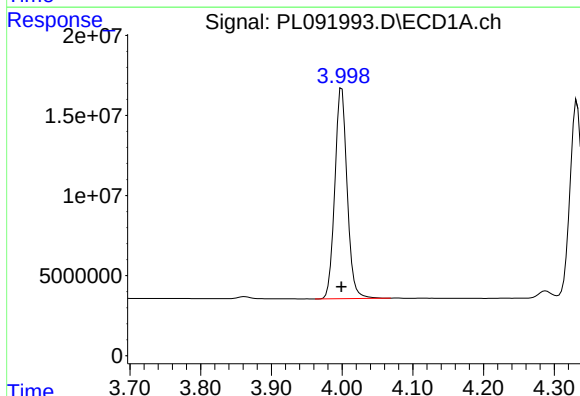
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



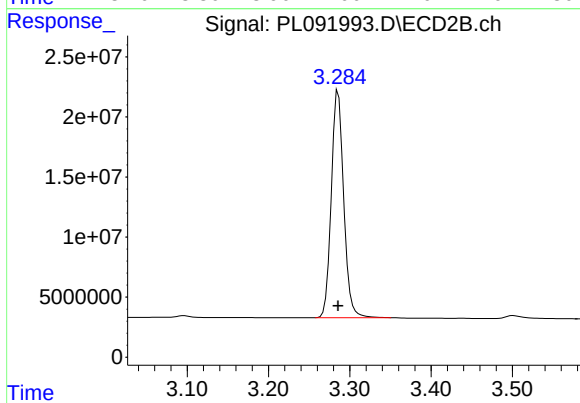
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 133686280
Conc: 53.30 ng/ml



#2 alpha-BHC

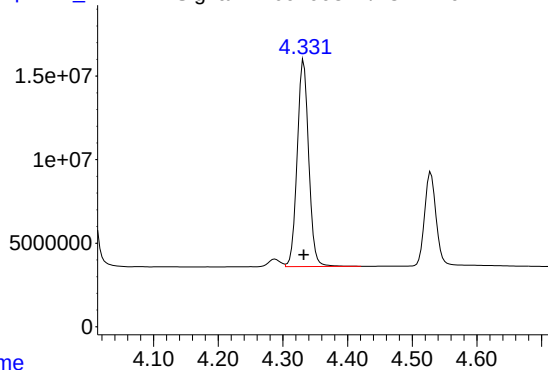
R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 159236956
Conc: 51.42 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 201187847
Conc: 55.22 ng/ml

Response_ Signal: PL091993.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 152584638
Conc: 49.24 ng/ml

Instrument :

ECD_L

ClientSampleId :

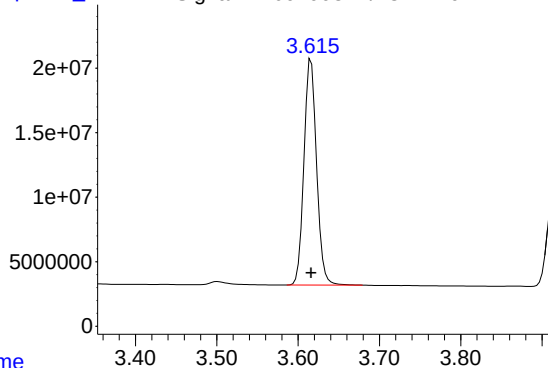
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

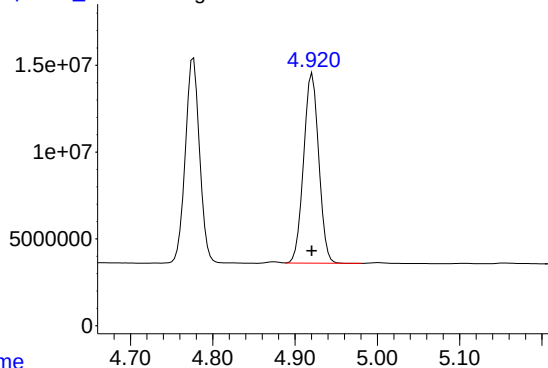
Time Response_ Signal: PL091993.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 189136126
Conc: 53.56 ng/ml

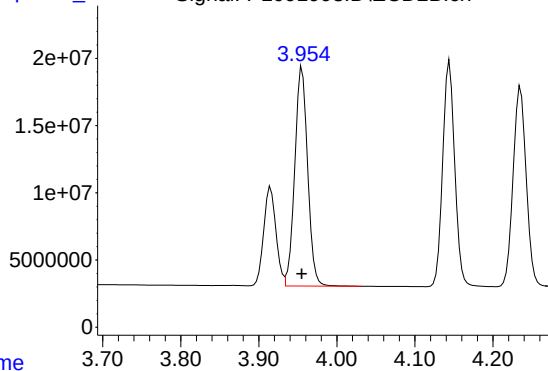
Time Response_ Signal: PL091993.D\ECD1A.ch



#4 Heptachlor

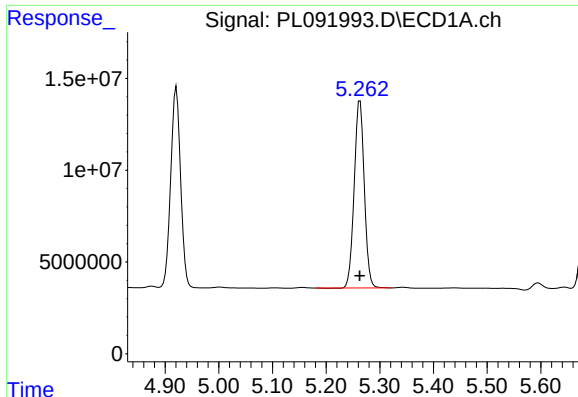
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 139750630
Conc: 50.53 ng/ml

Time Response_ Signal: PL091993.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 186696932
Conc: 54.11 ng/ml



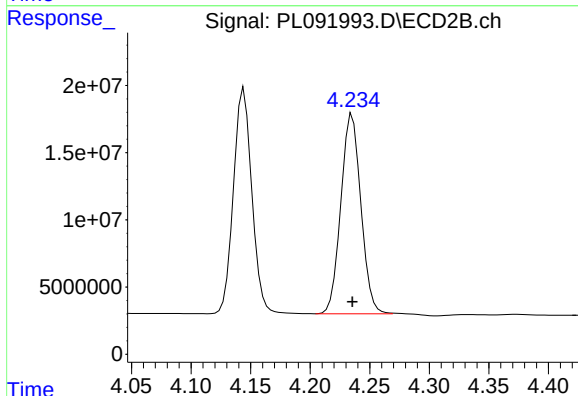
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 133419524
Conc: 48.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

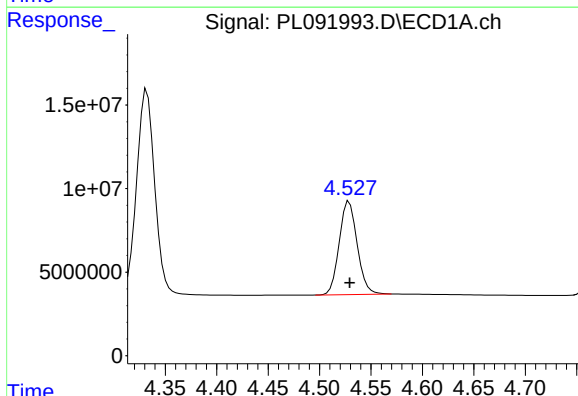
Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



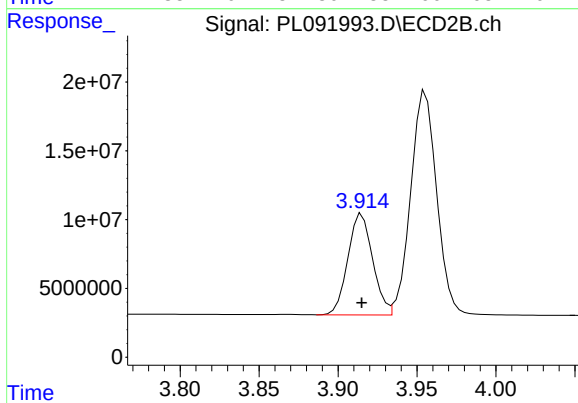
#5 Aldrin

R.T.: 4.234 min
Delta R.T.: -0.001 min
Response: 174353008
Conc: 51.26 ng/ml m



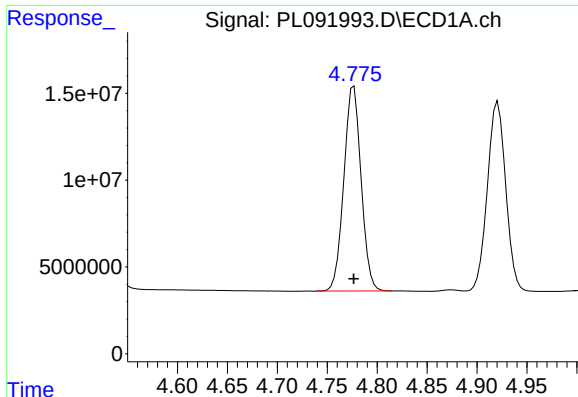
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 67934055
Conc: 51.22 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 80423735
Conc: 53.51 ng/ml



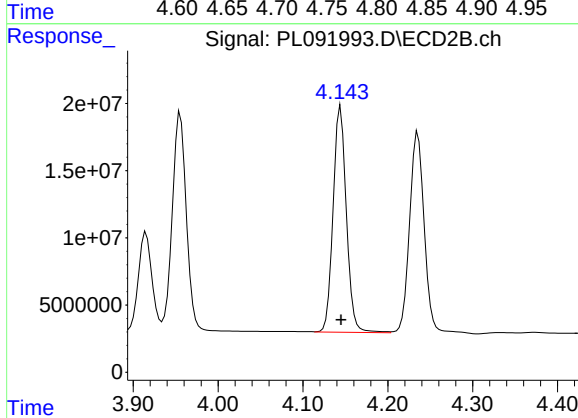
#7 delta-BHC

R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 141849880
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

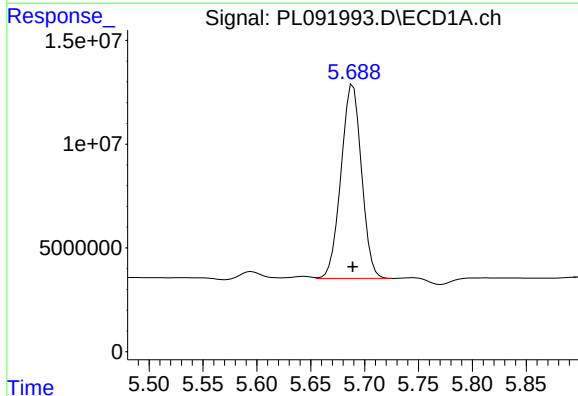
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



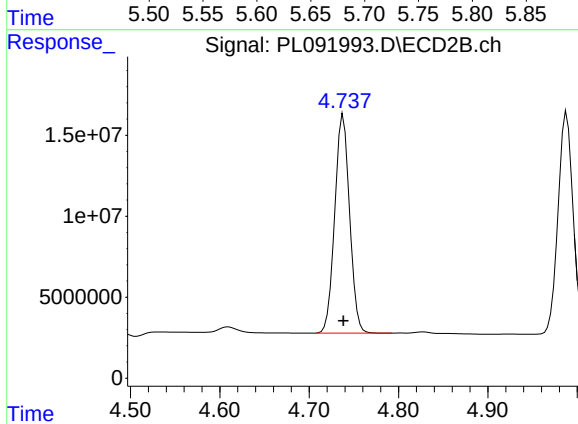
#7 delta-BHC

R.T.: 4.144 min
Delta R.T.: 0.000 min
Response: 183142531
Conc: 52.75 ng/ml



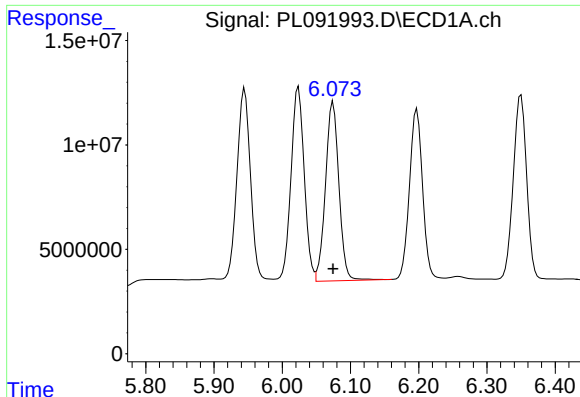
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 123800744
Conc: 48.64 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 155616939
Conc: 51.48 ng/ml



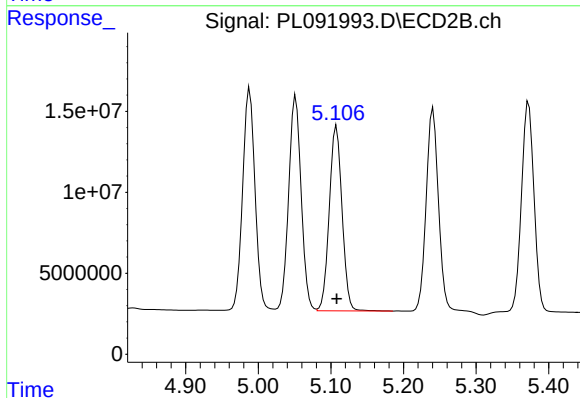
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 117523112
Conc: 50.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

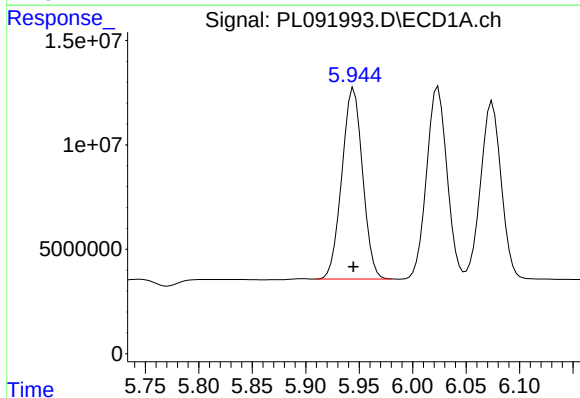
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



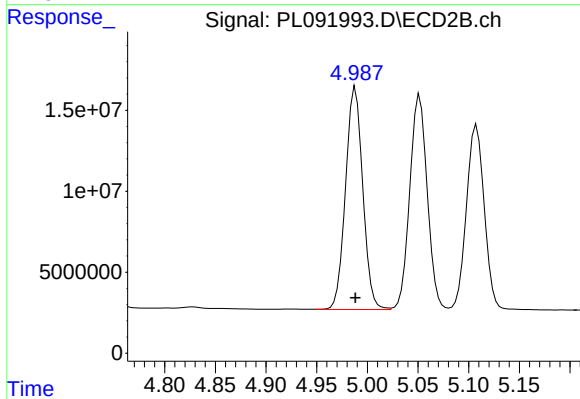
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 139995536
Conc: 51.01 ng/ml



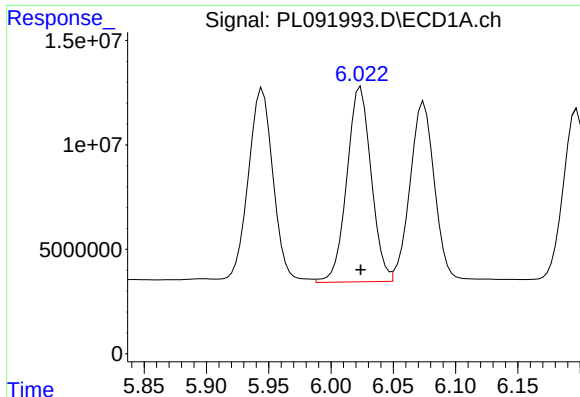
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 123662028
Conc: 50.04 ng/ml m



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 162283998
Conc: 53.94 ng/ml



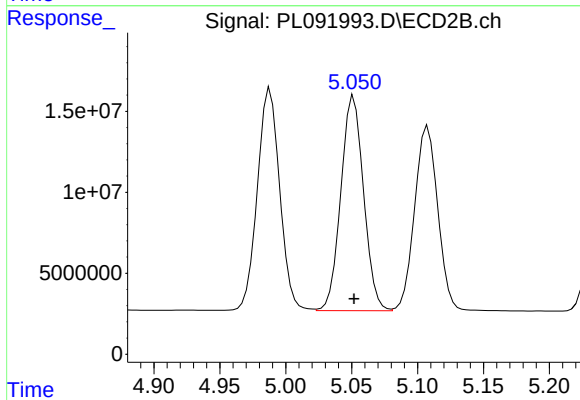
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 127334848
Conc: 51.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

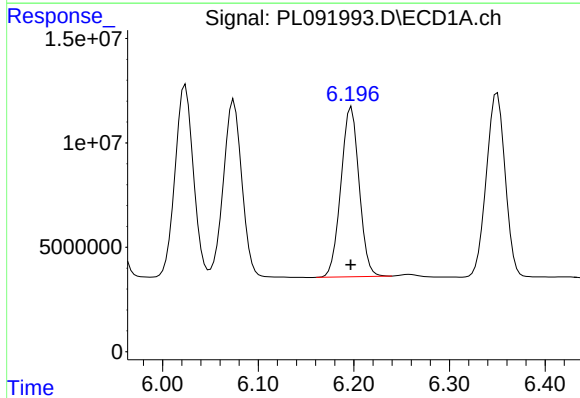
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



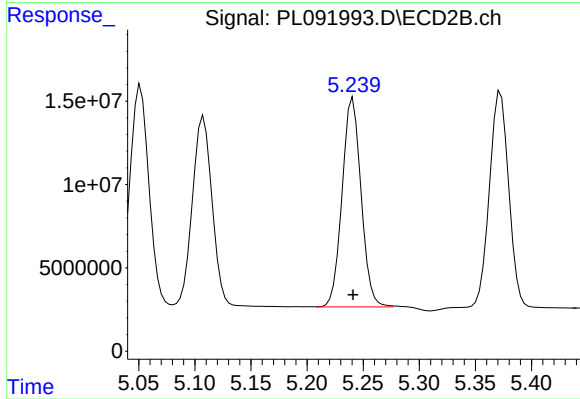
#11 alpha-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 159268250
Conc: 53.20 ng/ml



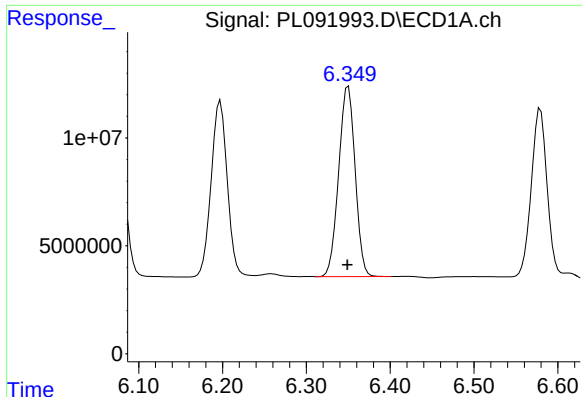
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 107955164
Conc: 49.88 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min
Delta R.T.: -0.001 min
Response: 147219501
Conc: 52.98 ng/ml m



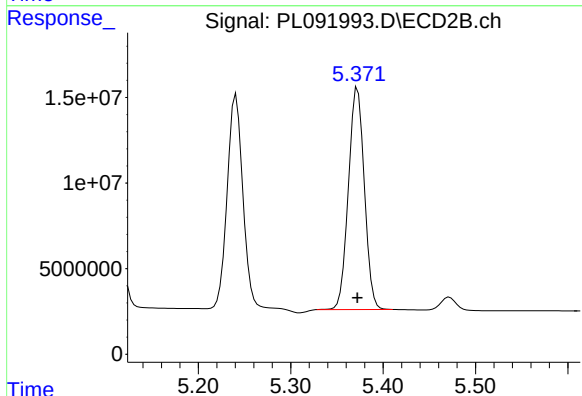
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 120268007
Conc: 49.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

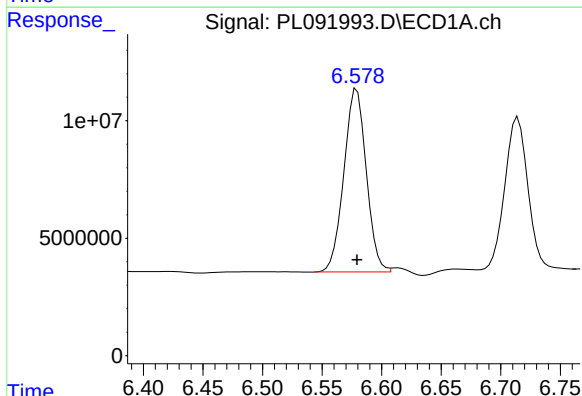
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



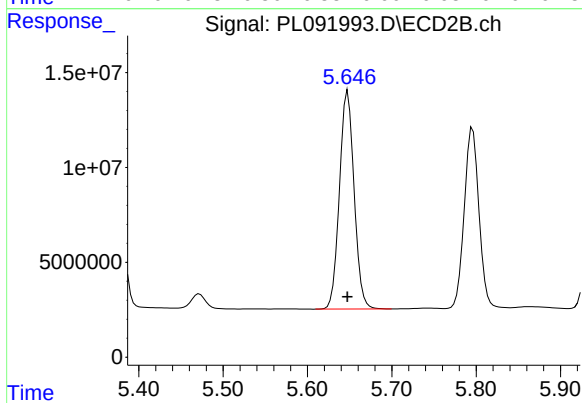
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 155622022
Conc: 53.08 ng/ml



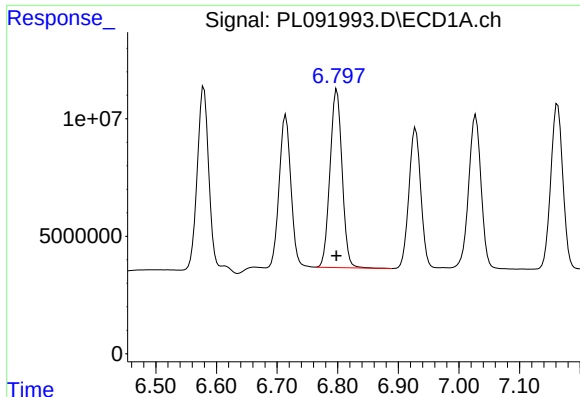
#14 Endrin

R.T.: 6.578 min
Delta R.T.: -0.001 min
Response: 102337703
Conc: 49.66 ng/ml m



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 138828242
Conc: 52.94 ng/ml



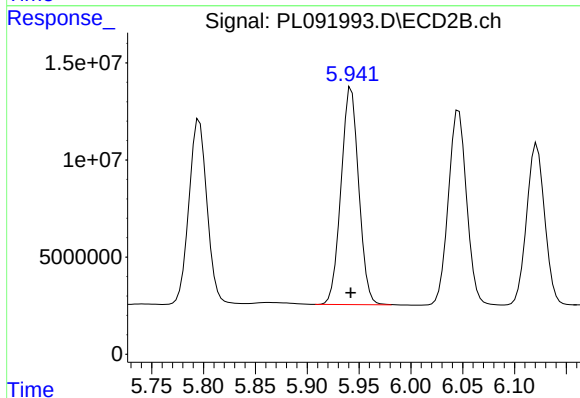
#15 Endosulfan II

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 105315525
Conc: 47.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

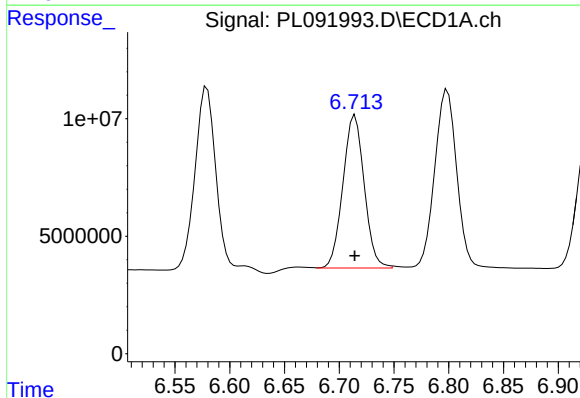
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



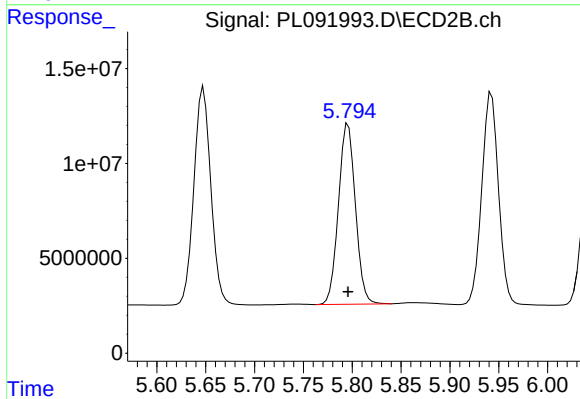
#15 Endosulfan II

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 132848145
Conc: 53.09 ng/ml m



#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: -0.001 min
Response: 88137509
Conc: 49.08 ng/ml m



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 114910251
Conc: 53.79 ng/ml

Response_ Signal: PL091993.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 92922344
Conc: 50.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

Time

Response_ Signal: PL091993.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 122949161
Conc: 53.15 ng/ml

Time

Response_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 82134972
Conc: 47.13 ng/ml

Time

Response_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 100605435
Conc: 49.30 ng/ml

Time

Response_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 82134972
Conc: 47.13 ng/ml

Time

Response_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 100605435
Conc: 49.30 ng/ml

Time

Response_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 82134972
Conc: 47.13 ng/ml

Time

Response_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 100605435
Conc: 49.30 ng/ml

Time

Response_ Signal: PL091993.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 82134972
Conc: 47.13 ng/ml

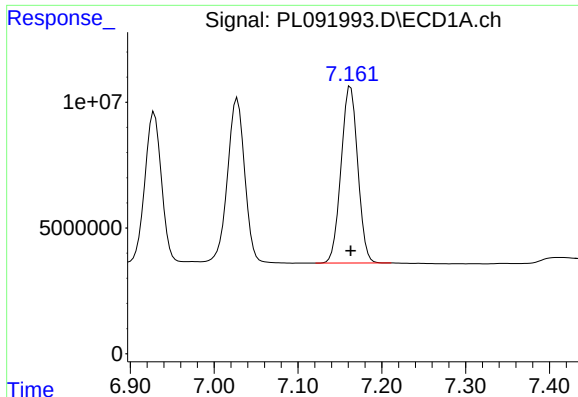
Time

Response_ Signal: PL091993.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 100605435
Conc: 49.30 ng/ml

Time



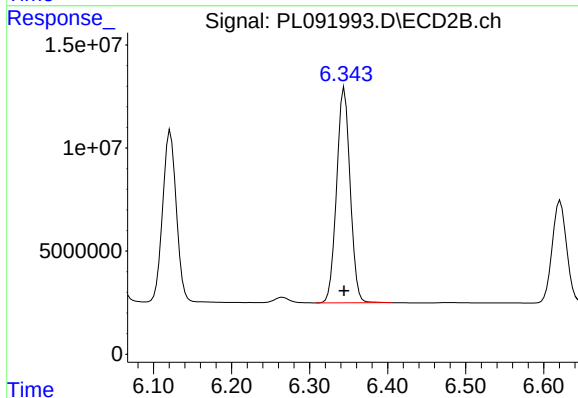
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 97261747
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

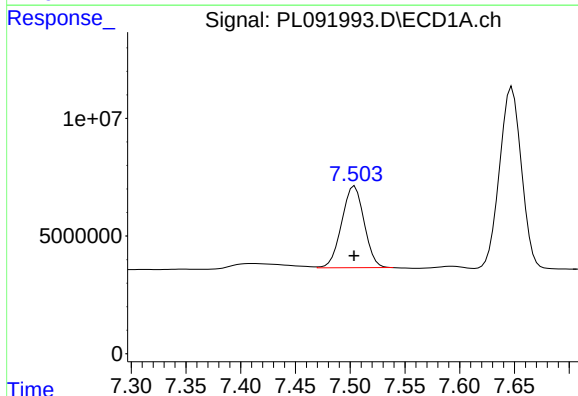
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



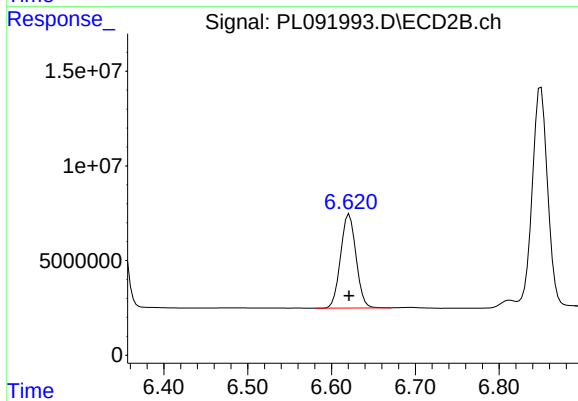
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 125548726
Conc: 52.04 ng/ml



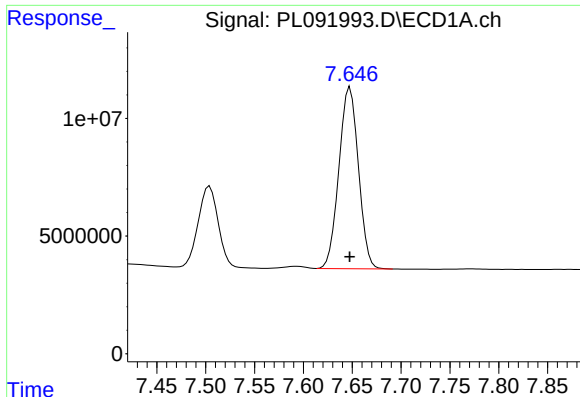
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 49342488
Conc: 50.26 ng/ml m



#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 63596858
Conc: 50.86 ng/ml



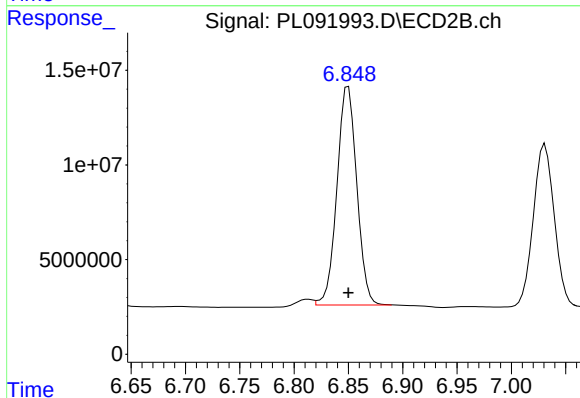
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 107251900
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

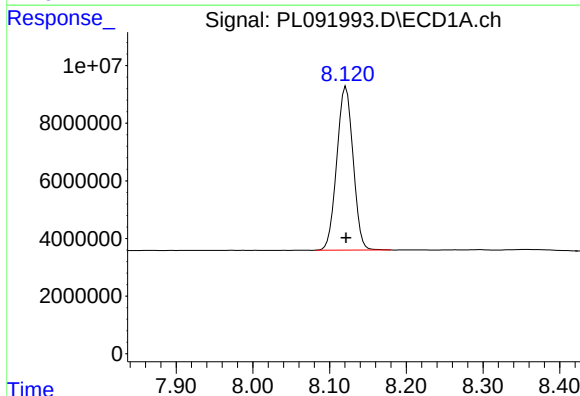
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



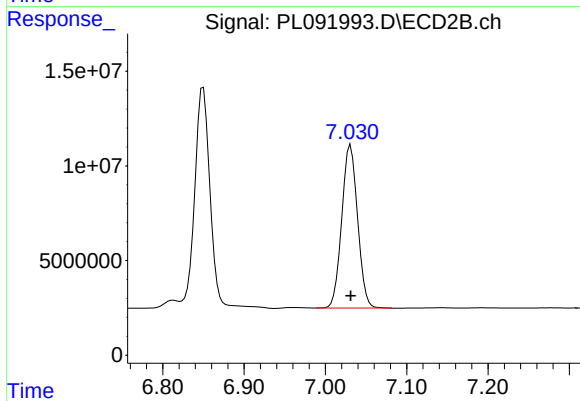
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.001 min
Response: 146714559
Conc: 52.99 ng/ml m



#22 Mirex

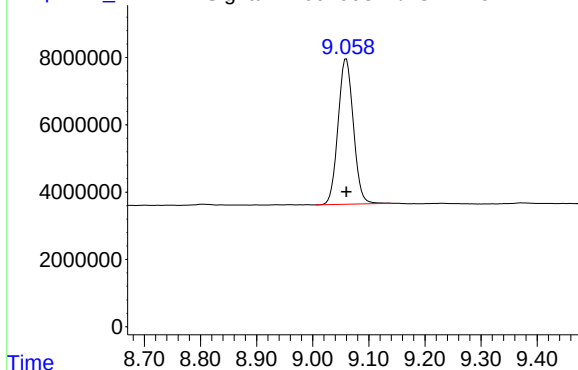
R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 84055062
Conc: 46.67 ng/ml



#22 Mirex

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 116078925
Conc: 47.72 ng/ml

Signal: PL091993.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 81807745
Conc: 49.94 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

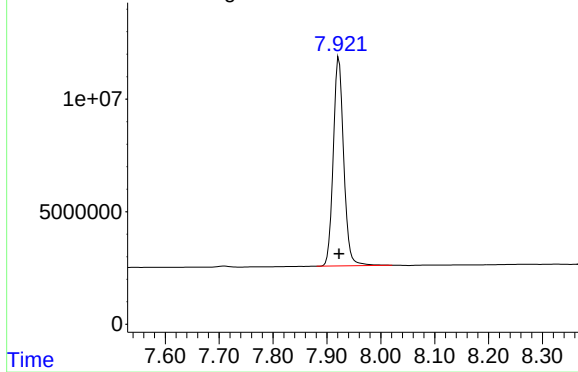
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Signal: PL091993.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 124972592
Conc: 49.95 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Contract: CHEM02

 Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

 Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

 Continuing Calib Time: 14:21 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 14:21 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.29	3.29	3.19	3.39	0.00
beta-BHC	3.92	3.92	3.82	4.02	0.01
delta-BHC	4.15	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.62	3.62	3.52	3.72	0.00
Heptachlor	3.96	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.11	5.11	5.01	5.21	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.80	5.80	5.70	5.90	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.05	6.05	5.95	6.15	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.99	4.89	5.09	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL06 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092003.D Time Analyzed: 14:21

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	6.712	6.614	6.814	49.000	50.000	-2.0
4,4'-DDE	6.197	6.097	6.297	49.130	50.000	-1.7
4,4'-DDT	7.028	6.928	7.128	49.020	50.000	-2.0
Aldrin	5.263	5.163	5.363	47.260	50.000	-5.5
alpha-BHC	4.000	3.899	4.099	50.490	50.000	1.0
alpha-Chlordane	6.022	5.924	6.124	49.450	50.000	-1.1
beta-BHC	4.529	4.429	4.629	50.230	50.000	0.5
Decachlorobiphenyl	9.060	8.960	9.160	50.560	50.000	1.1
delta-BHC	4.776	4.677	4.877	48.450	50.000	-3.1
Dieldrin	6.349	6.249	6.449	48.810	50.000	-2.4
Endosulfan I	6.074	5.975	6.175	50.950	50.000	1.9
Endosulfan II	6.798	6.698	6.898	47.460	50.000	-5.1
Endosulfan sulfate	7.163	7.063	7.263	48.960	50.000	-2.1
Endrin	6.577	6.479	6.679	48.680	50.000	-2.6
Endrin aldehyde	6.928	6.828	7.028	46.900	50.000	-6.2
Endrin ketone	7.647	7.548	7.748	49.200	50.000	-1.6
gamma-BHC (Lindane)	4.332	4.232	4.432	48.690	50.000	-2.6
gamma-Chlordane	5.943	5.845	6.045	49.440	50.000	-1.1
Heptachlor	4.921	4.820	5.020	49.720	50.000	-0.6
Heptachlor epoxide	5.688	5.589	5.789	48.600	50.000	-2.8
Methoxychlor	7.504	7.404	7.604	47.620	50.000	-4.8
Tetrachloro-m-xylene	3.544	3.444	3.644	50.170	50.000	0.3



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL06 Date Analyzed: 09/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092003.D Time Analyzed: 14:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.795	5.696	5.896	53.290	50.000	6.6
4,4'-DDE	5.239	5.141	5.341	51.560	50.000	3.1
4,4'-DDT	6.046	5.946	6.146	50.750	50.000	1.5
Aldrin	4.234	4.135	4.335	50.050	50.000	0.1
alpha-BHC	3.286	3.186	3.386	53.510	50.000	7.0
alpha-Chlordane	5.051	4.952	5.152	52.070	50.000	4.1
beta-BHC	3.915	3.815	4.015	51.880	50.000	3.8
Decachlorobiphenyl	7.923	7.823	8.023	52.870	50.000	5.7
delta-BHC	4.145	4.045	4.245	51.480	50.000	3.0
Dieldrin	5.372	5.272	5.472	52.060	50.000	4.1
Endosulfan I	5.107	5.008	5.208	48.950	50.000	-2.1
Endosulfan II	5.942	5.842	6.042	51.700	50.000	3.4
Endosulfan sulfate	6.344	6.244	6.444	51.170	50.000	2.3
Endrin	5.648	5.548	5.748	51.550	50.000	3.1
Endrin aldehyde	6.121	6.022	6.222	48.410	50.000	-3.2
Endrin ketone	6.848	6.750	6.950	52.680	50.000	5.4
gamma-BHC (Lindane)	3.616	3.516	3.716	52.050	50.000	4.1
gamma-Chlordane	4.988	4.888	5.088	52.640	50.000	5.3
Heptachlor	3.955	3.855	4.055	52.370	50.000	4.7
Heptachlor epoxide	4.738	4.638	4.838	50.380	50.000	0.8
Methoxychlor	6.621	6.521	6.721	49.260	50.000	-1.5
Tetrachloro-m-xylene	2.782	2.682	2.882	51.670	50.000	3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
 Data File : PL092003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 14:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:18:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.782	111.6E6	129.6E6	50.170	51.675
28)	SA Decachlor...	9.060	7.923	82833383	132.3E6	50.563	52.868
Target Compounds							
2)	A alpha-BHC	4.000	3.286	156.4E6	195.0E6	50.494	53.513
3)	MA gamma-BHC...	4.332	3.616	150.9E6	183.8E6	48.690	52.054
4)	MA Heptachlor	4.921	3.955	137.5E6	180.7E6	49.725	52.370
5)	MB Aldrin	5.263	4.234	131.3E6	170.2E6	47.260	50.048m
6)	B beta-BHC	4.529	3.915	66618744	77977889	50.226	51.878
7)	B delta-BHC	4.776	4.145	139.7E6	178.7E6	48.445	51.475
8)	B Heptachlo...	5.688	4.738	123.7E6	152.3E6	48.597m	50.378
9)	A Endosulfan I	6.074	5.107	117.9E6	134.3E6	50.953	48.950
10)	B gamma-Chl...	5.943	4.988	122.2E6	158.4E6	49.443m	52.643
11)	B alpha-Chl...	6.022	5.051	121.8E6	155.9E6	49.448m	52.071
12)	B 4,4'-DDE	6.197	5.239	106.3E6	143.3E6	49.126	51.559m
13)	MA Dieldrin	6.349	5.372	119.0E6	152.6E6	48.813	52.060
14)	MA Endrin	6.577	5.648	100.3E6	135.2E6	48.676m	51.552
15)	B Endosulfa...	6.798	5.942	104.4E6	129.4E6	47.463	51.703
16)	A 4,4'-DDD	6.712	5.795	87983978	113.8E6	48.997m	53.291
17)	MA 4,4'-DDT	7.028	6.046	90260213	117.4E6	49.022	50.751
18)	B Endrin al...	6.928	6.121	81741545	98784245	46.903	48.407
19)	B Endosulfa...	7.163	6.344	97043176	123.5E6	48.955	51.174
20)	A Methoxychlor	7.504	6.621	46746340	61598109	47.617	49.265
21)	B Endrin ke...	7.647	6.848	108.1E6	145.9E6	49.199	52.683m
22)	Mirex	8.121	7.031	84740455	114.6E6	47.052	47.113

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

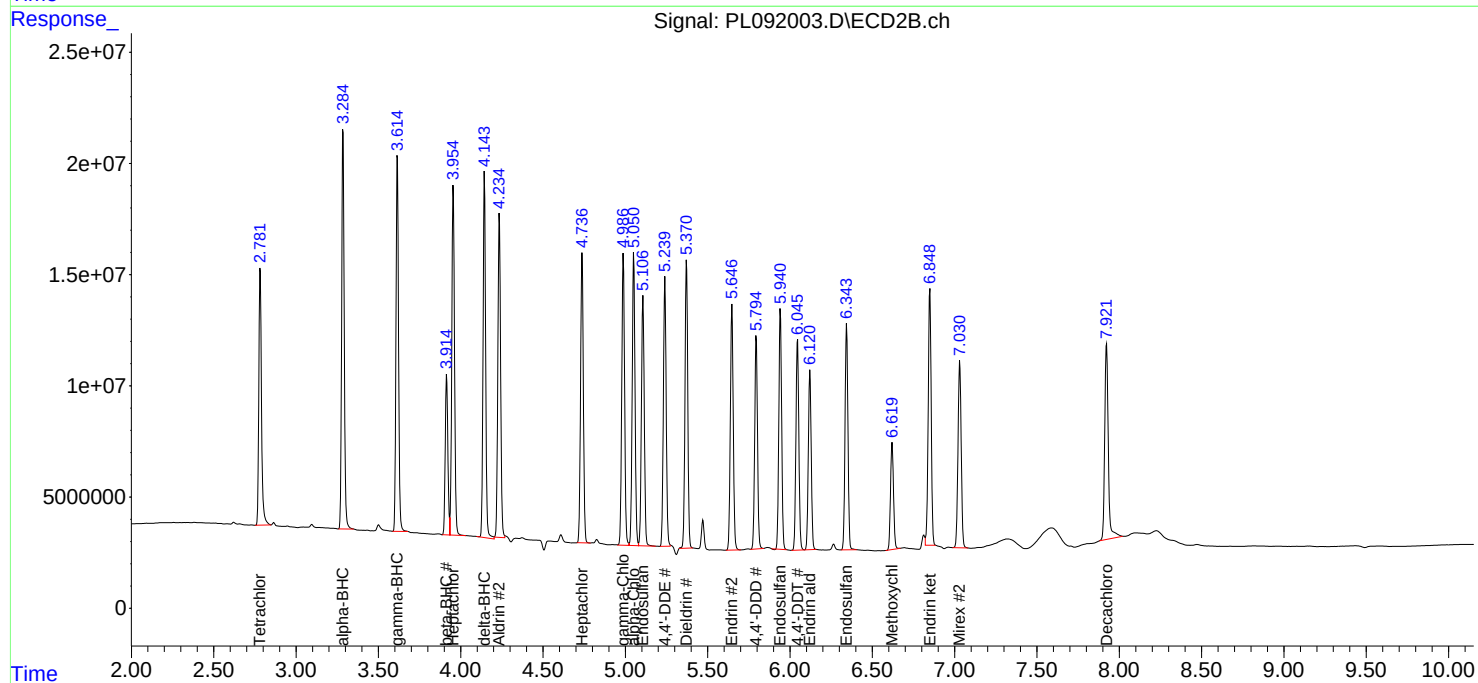
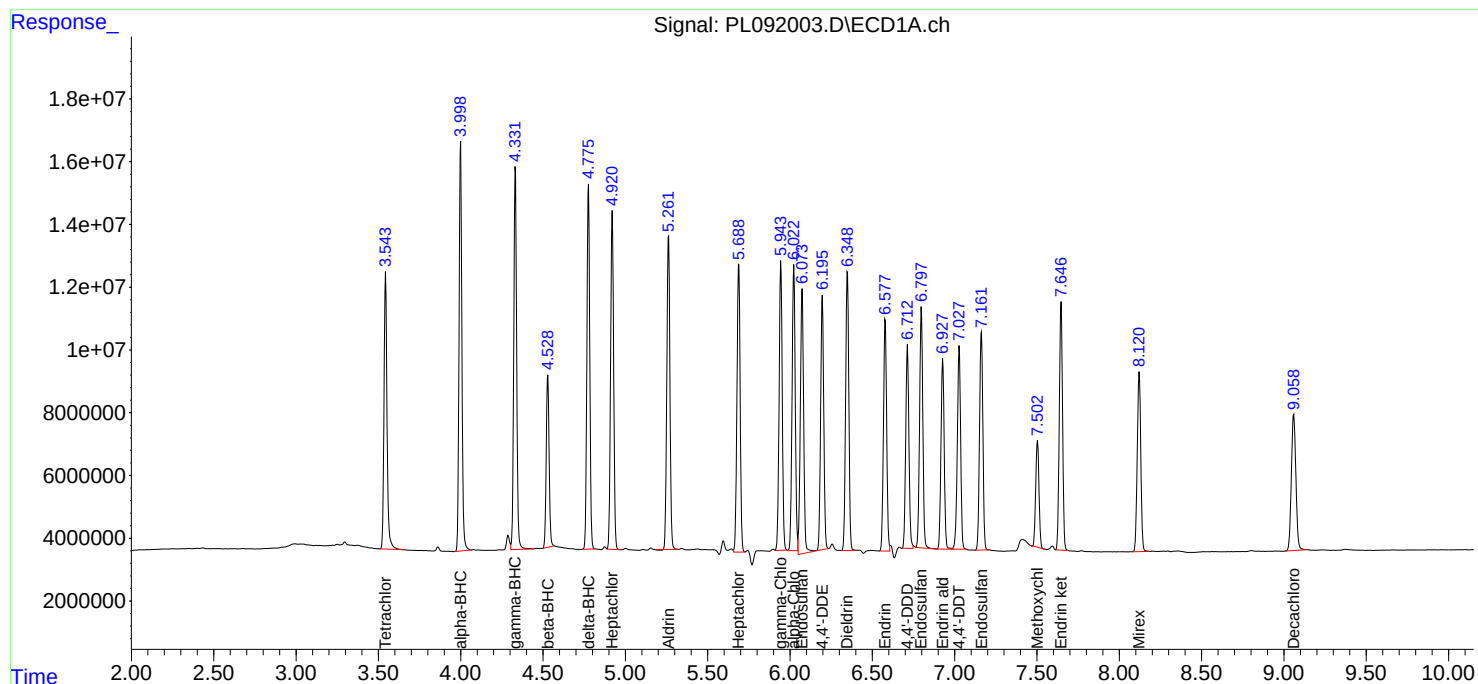
APPROVED

Reviewed By :Abdul Mirza 09/25/2024

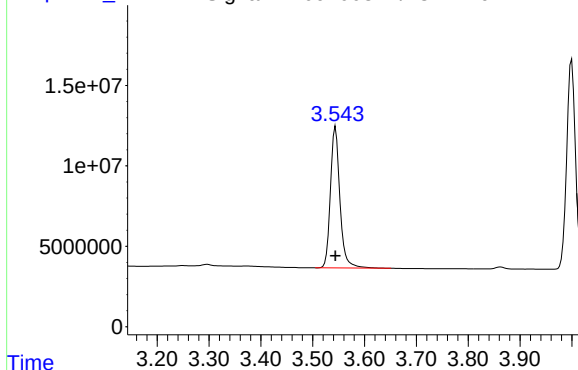
Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:18:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092003.D\ECD1A.ch



#1 Tetrachloro-m-xylene

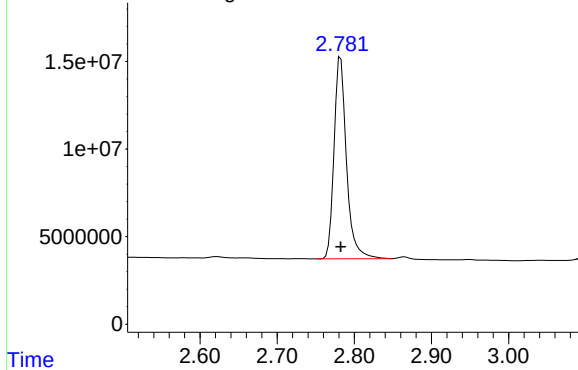
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 111610150
Conc: 50.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

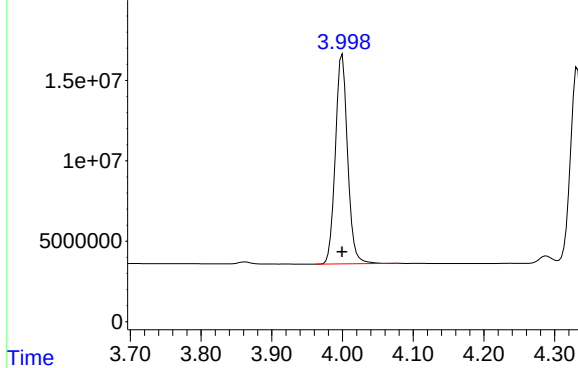
Response_ Signal: PL092003.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 129604341
Conc: 51.67 ng/ml

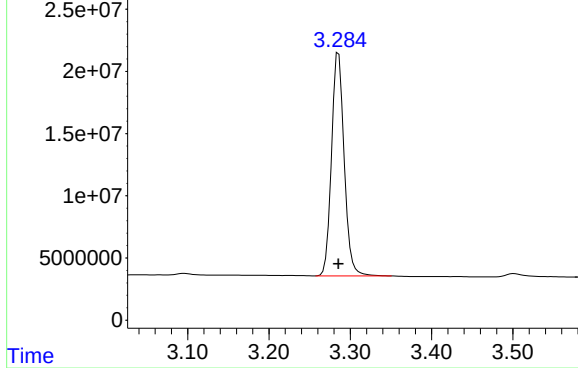
Response_ Signal: PL092003.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 156356738
Conc: 50.49 ng/ml

Response_ Signal: PL092003.D\ECD2B.ch

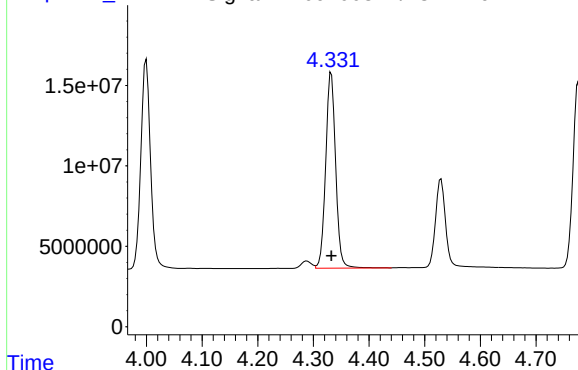


#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 194964456
Conc: 53.51 ng/ml

Response_ Signal: PL092003.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 150881075
Conc: 48.69 ng/ml

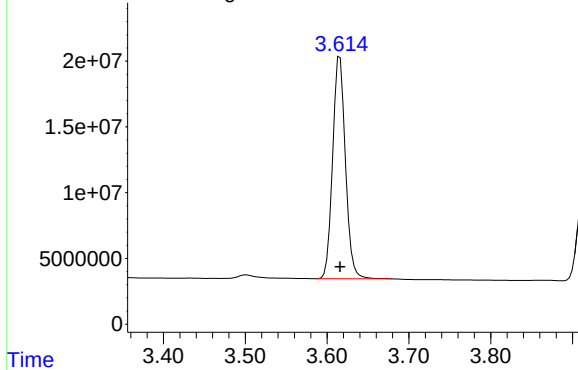
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

Response_ Signal: PL092003.D\ECD2B.ch

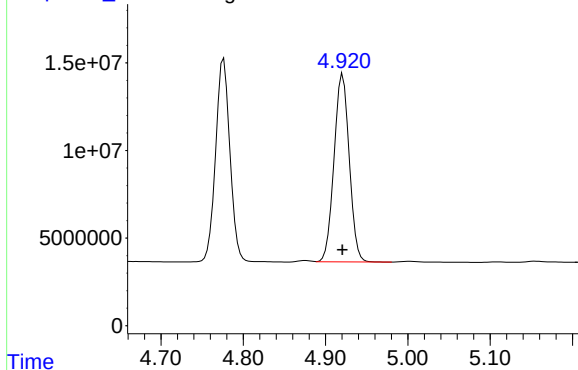
#3 gamma-BHC (Lindane)



R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 183802739
Conc: 52.05 ng/ml

Response_ Signal: PL092003.D\ECD1A.ch

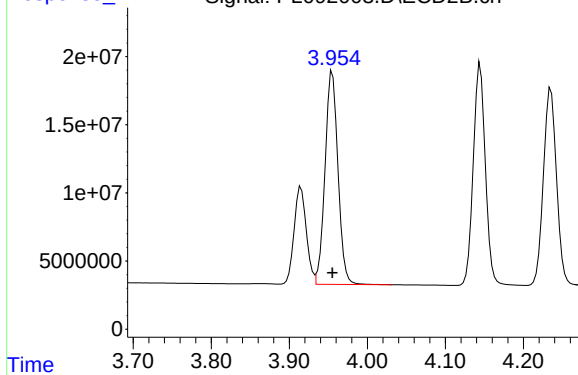
#4 Heptachlor



R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 137511126
Conc: 49.72 ng/ml

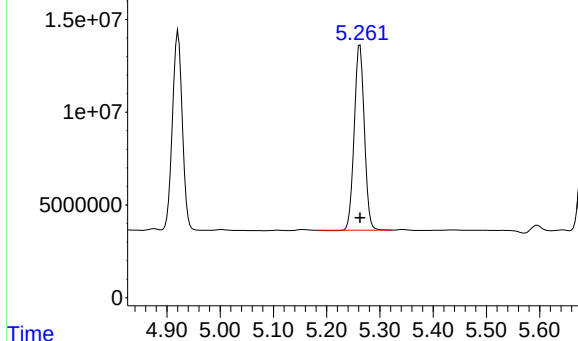
Response_ Signal: PL092003.D\ECD2B.ch

#4 Heptachlor



R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 180708496
Conc: 52.37 ng/ml

Response_ Signal: PL092003.D\ECD1A.ch



#5 Aldrin

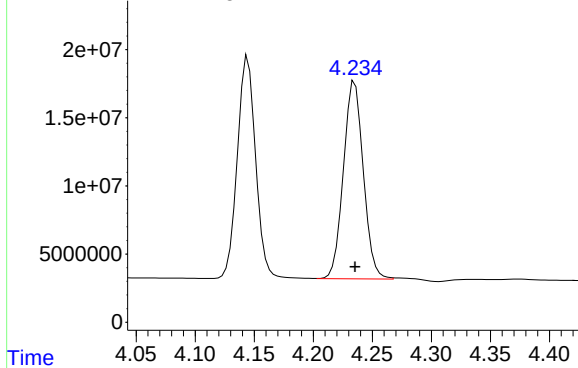
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 131267452
Conc: 47.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

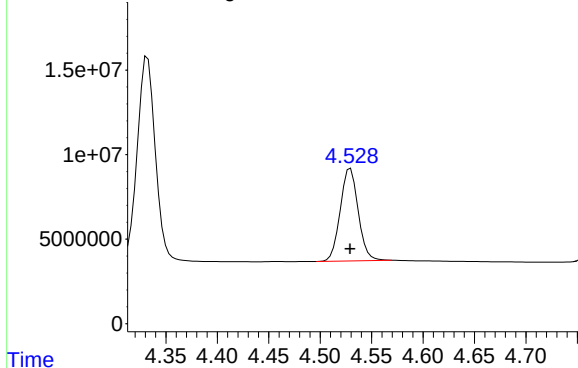
Time Response_ Signal: PL092003.D\ECD2B.ch



#5 Aldrin

R.T.: 4.234 min
Delta R.T.: -0.002 min
Response: 170217447
Conc: 50.05 ng/ml m

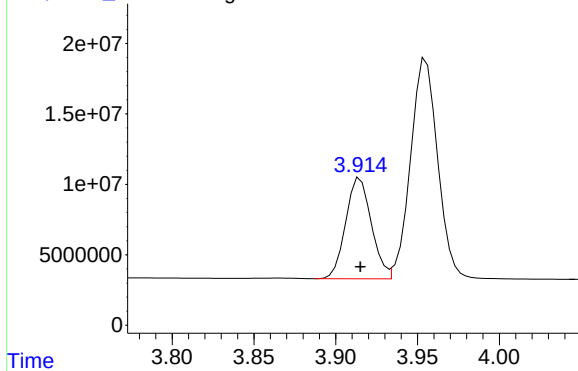
Time Response_ Signal: PL092003.D\ECD1A.ch



#6 beta-BHC

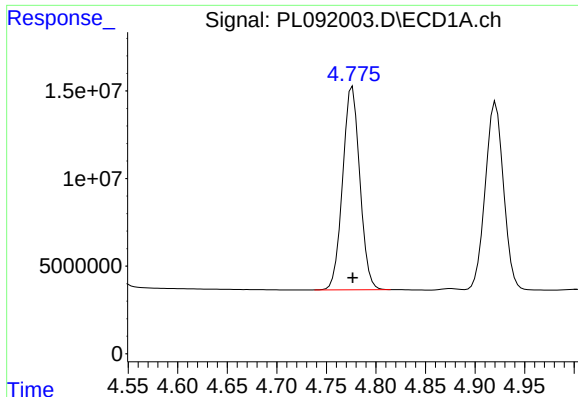
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 66618744
Conc: 50.23 ng/ml

Time Response_ Signal: PL092003.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 77977889
Conc: 51.88 ng/ml



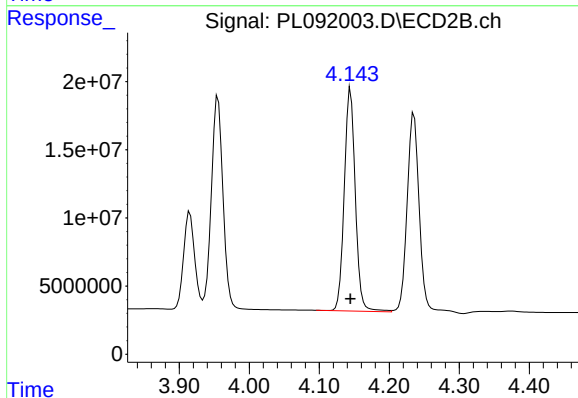
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 139725846
Conc: 48.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

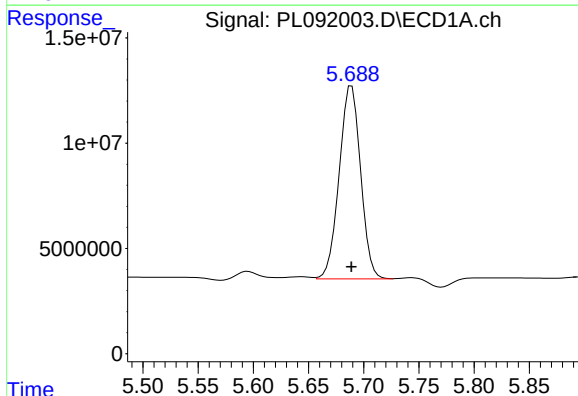
Manual Integrations
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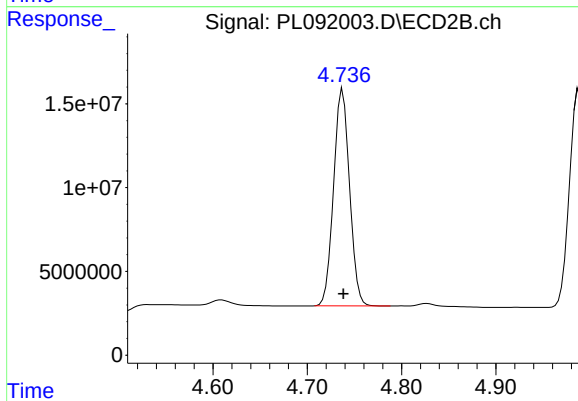
#7 delta-BHC

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 178706956
Conc: 51.48 ng/ml



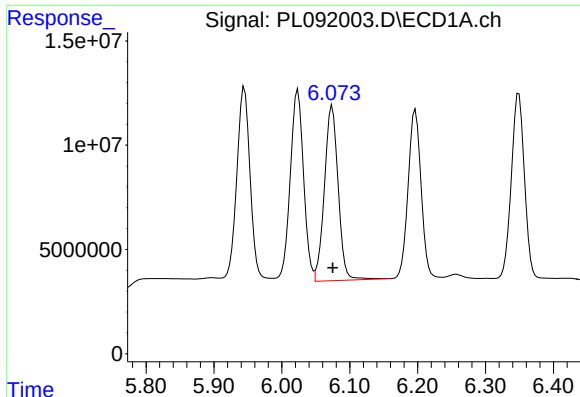
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 123680177
Conc: 48.60 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: 0.000 min
Response: 152285952
Conc: 50.38 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 117873778
Conc: 50.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

**Manual Integrations
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#9 Endosulfan I

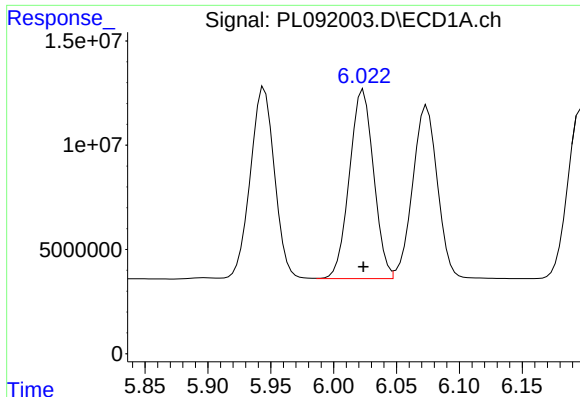
R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 134349793
Conc: 48.95 ng/ml

#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 122184051
Conc: 49.44 ng/ml m

#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 158380094
Conc: 52.64 ng/ml



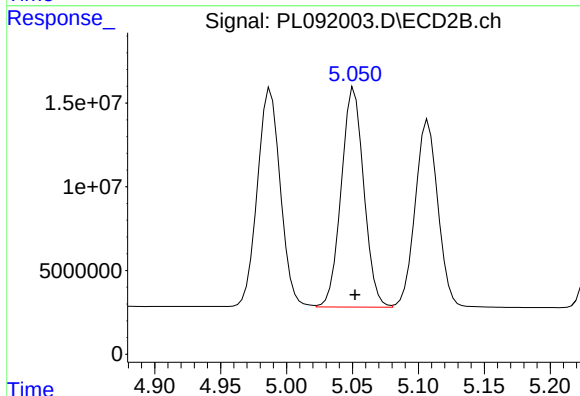
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: -0.002 min
Response: 121807486
Conc: 49.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

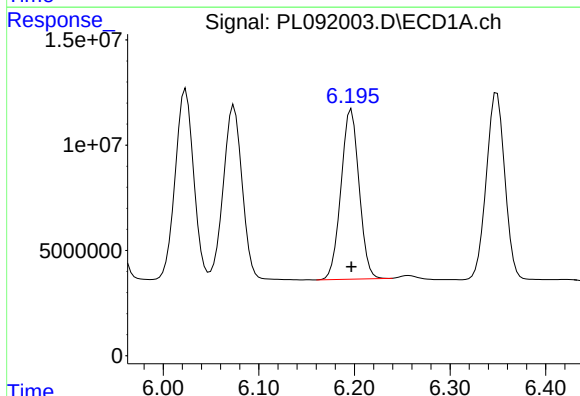
Manual Integrations
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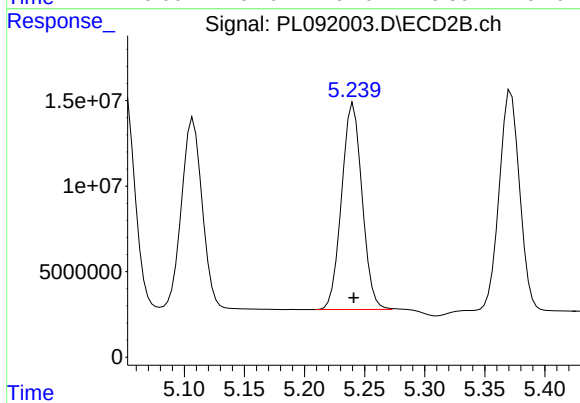
#11 alpha-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 155876668
Conc: 52.07 ng/ml



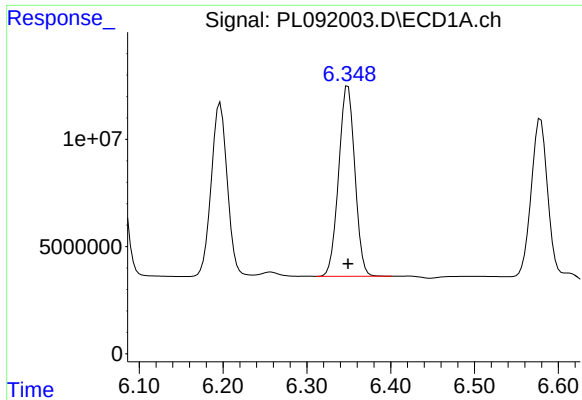
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 106330237
Conc: 49.13 ng/ml



#12 4,4'-DDE

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 143273581
Conc: 51.56 ng/ml m



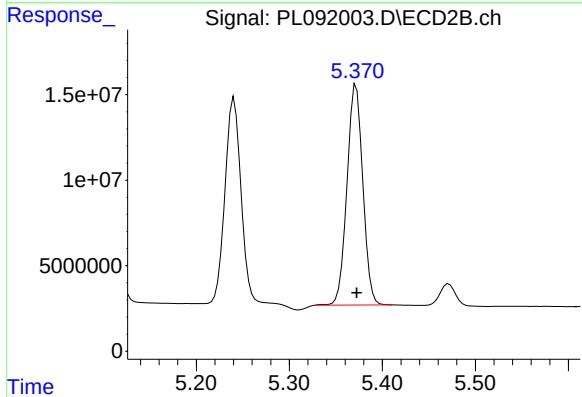
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 119048974
Conc: 48.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

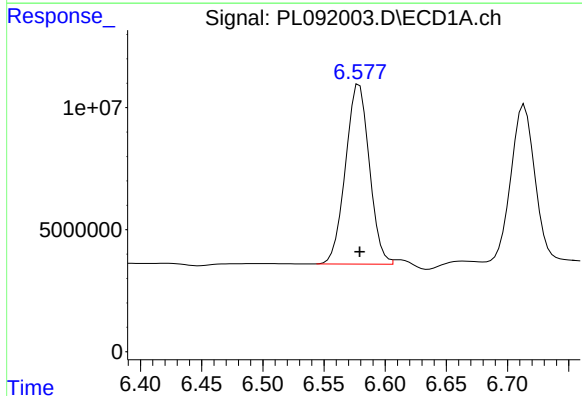
Manual Integrations
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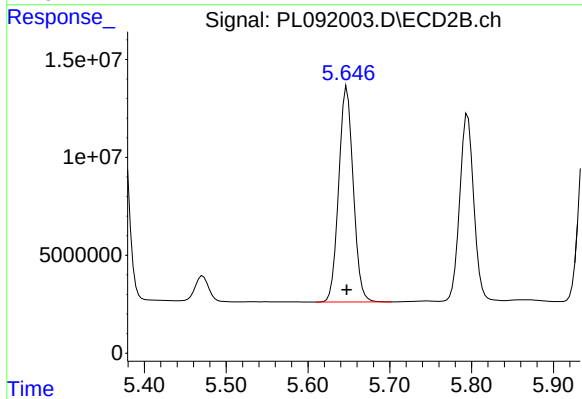
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 152630848
Conc: 52.06 ng/ml



#14 Endrin

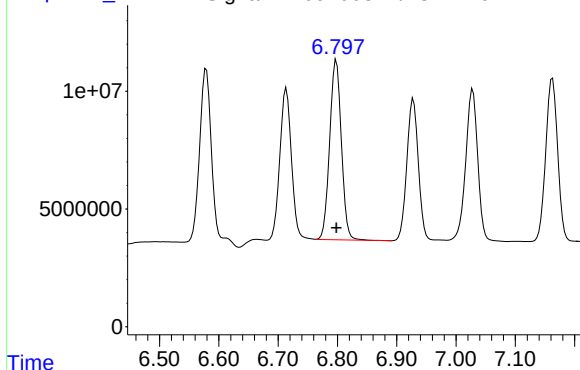
R.T.: 6.577 min
Delta R.T.: -0.002 min
Response: 100305927
Conc: 48.68 ng/ml m



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 135177588
Conc: 51.55 ng/ml

Response_ Signal: PL092003.D\ECD1A.ch



#15 Endosulfan II

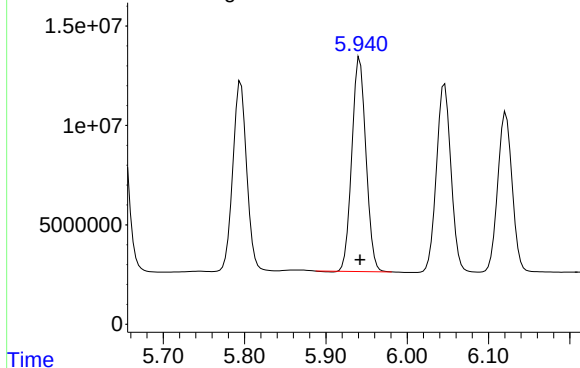
R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 104405256
Conc: 47.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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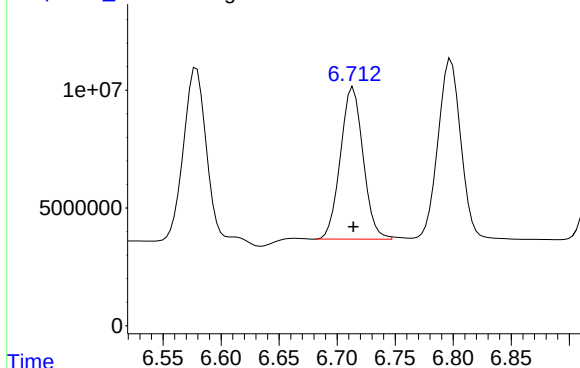
Time Response_ Signal: PL092003.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 129382471
Conc: 51.70 ng/ml

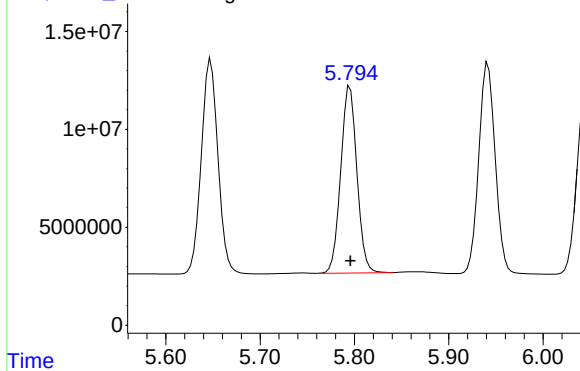
Time Response_ Signal: PL092003.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: -0.002 min
Response: 87983978
Conc: 49.00 ng/ml m

Time Response_ Signal: PL092003.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 113841994
Conc: 53.29 ng/ml

Response_ Signal: PL092003.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 90260213
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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Time

Response_ Signal: PL092003.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 117395883
Conc: 50.75 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 81741545
Conc: 46.90 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time

Response_ Signal: PL092003.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

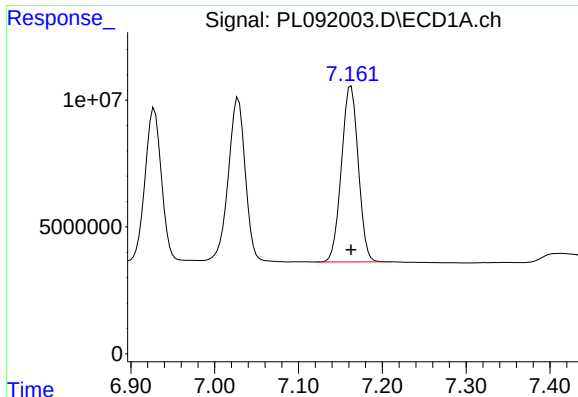
Time

Response_ Signal: PL092003.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 98784245
Conc: 48.41 ng/ml

Time



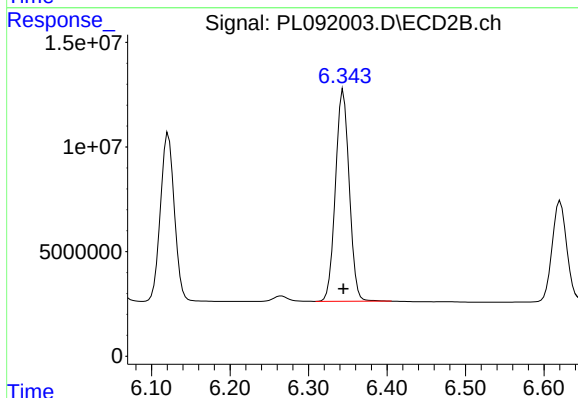
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.000 min
Response: 97043176
Conc: 48.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

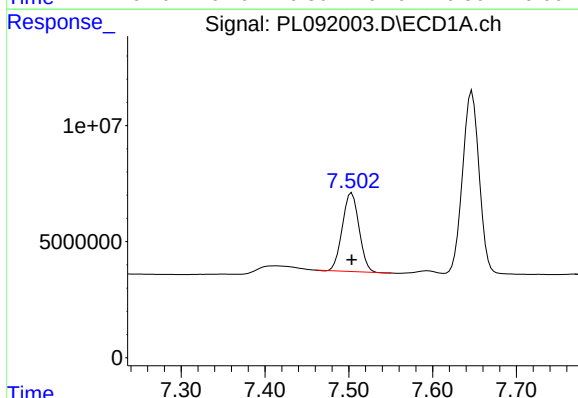
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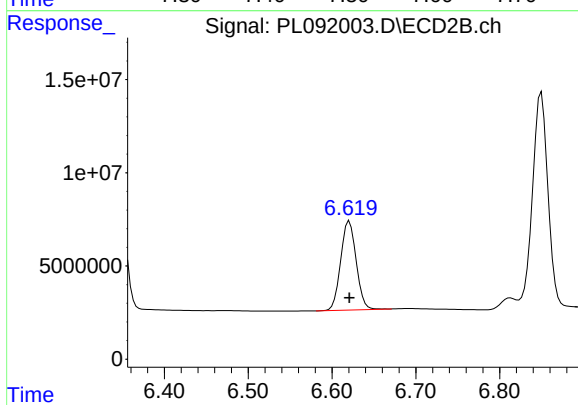
#19 Endosulfan Sulfate

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 123458061
Conc: 51.17 ng/ml



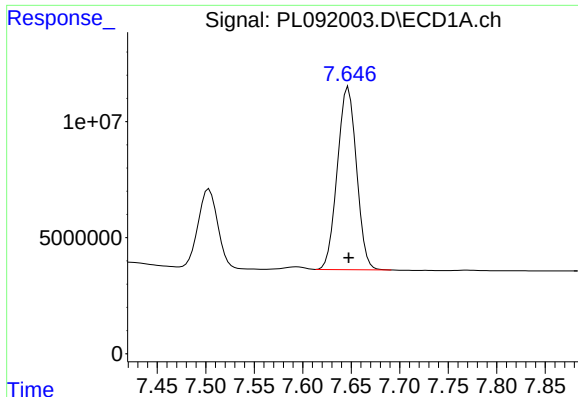
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 46746340
Conc: 47.62 ng/ml



#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 61598109
Conc: 49.26 ng/ml



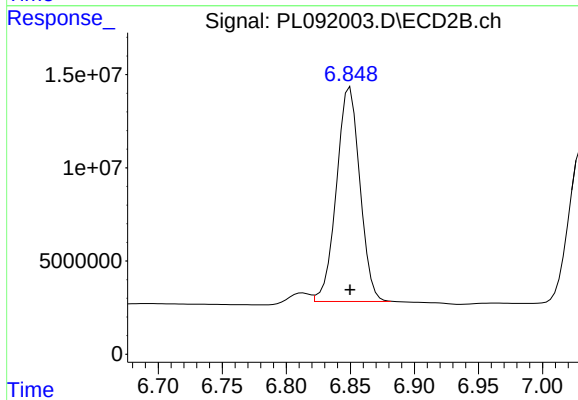
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 108118391
Conc: 49.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

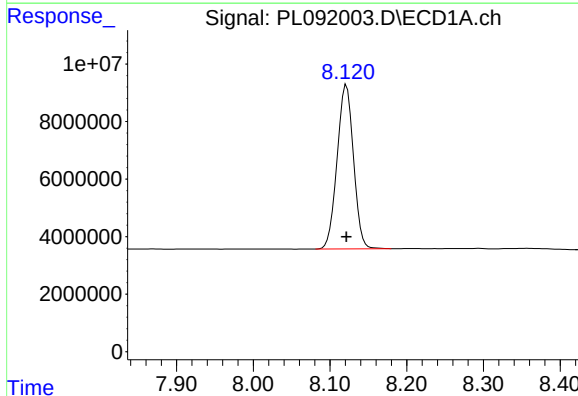
Manual Integrations
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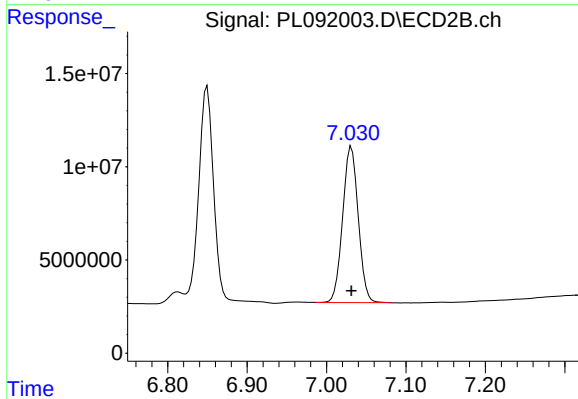
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.001 min
Response: 145876675
Conc: 52.68 ng/ml m



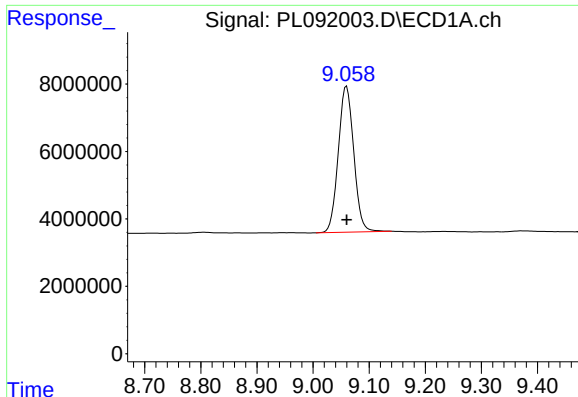
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 84740455
Conc: 47.05 ng/ml



#22 Mirex

R.T.: 7.031 min
Delta R.T.: 0.000 min
Response: 114609373
Conc: 47.11 ng/ml



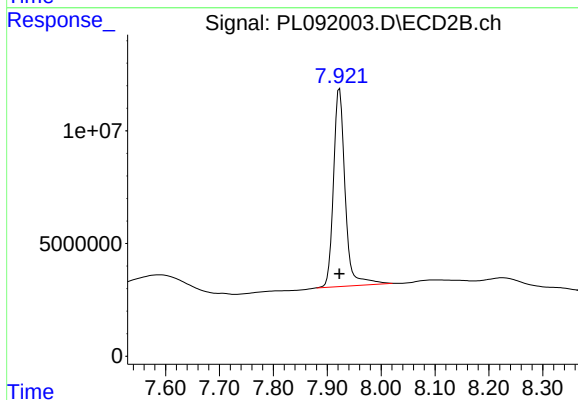
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 82833383
Conc: 50.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 132272723
Conc: 52.87 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091569.D Date Analyzed: 09/09/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:03

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.059	8.960	9.160	21.870	20.000	9.4
Tetrachloro-m-xylene	3.544	3.490	3.590	20.460	20.000	2.3
alpha-BHC	3.999	3.950	4.050	10.410	10.000	4.1
beta-BHC	4.529	4.480	4.580	10.280	10.000	2.8
gamma-BHC (Lindane)	4.332	4.280	4.380	10.650	10.000	6.5
Endrin	6.579	6.510	6.650	48.040	50.000	-3.9
4,4'-DDT	7.028	6.960	7.100	95.810	100.000	-4.2
Methoxychlor	7.503	7.430	7.570	247.720	250.000	-0.9

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No. (PEM): PEM - PL091569.D Date Analyzed: 09/09/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:03

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.924	7.820	8.020	20.940	20.000	4.7
Tetrachloro-m-xylene	2.783	2.730	2.830	20.160	20.000	0.8
alpha-BHC	3.286	3.240	3.340	9.740	10.000	-2.6
beta-BHC	3.915	3.860	3.970	11.210	10.000	12.1
gamma-BHC (Lindane)	3.616	3.570	3.670	9.580	10.000	-4.2
Endrin	5.649	5.580	5.720	47.000	50.000	-6.0
4,4'-DDT	6.047	5.980	6.120	109.120	100.000	9.1
Methoxychlor	6.622	6.550	6.690	260.840	250.000	4.3

Data File: PEM
Operator: PL091569.D Date Acquired 9/9/2024 15:03
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	63873769.05	70964375.06	7090606.01	Down 9.99
Endrin aldehyde	6.93	2695866.553			
Endrin ketone	7.65	4394739.461			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.65	88698544.98	97047739.97	8349194.99	8.60
Endrin aldehyde #2	6.12	2592838.302			
Endrin ketone #2	6.85	5756356.692			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	125681253	130443710.6	4762457.58	3.65
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	4762457.584			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.05	175338409.9	182773328.9	7434919	4.07
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.80	7434918.997			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:05:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	31886731	37703812	20.459	20.159
2) SA Decachlor...	9.059	7.924	26579029	38659670	21.870	20.936
Target Compounds						
2) A alpha-BHC	3.999	3.286	22490894	25896502	10.413	9.737
3) MA gamma-BHC...	4.332	3.616	21892418	23564111	10.650	9.581
6) B beta-BHC	4.529	3.915	9351602	12246907	10.276	11.210
14) MA Endrin	6.579	5.649	63873769	88698545	48.037	47.000
16) A 4,4'-DDD	6.713	5.796	4762458	7434919	3.757	4.437
17) MA 4,4'-DDT	7.028	6.047	125.7E6	175.3E6	95.812	109.124
18) B Endrin al...	6.927	6.122	2695867	2592838	2.269	1.897
20) A Methoxychlor	7.503	6.622	167.6E6	231.0E6	247.717	260.838
21) B Endrin ke...	7.645	6.850	4394739	5756357	2.842m	2.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

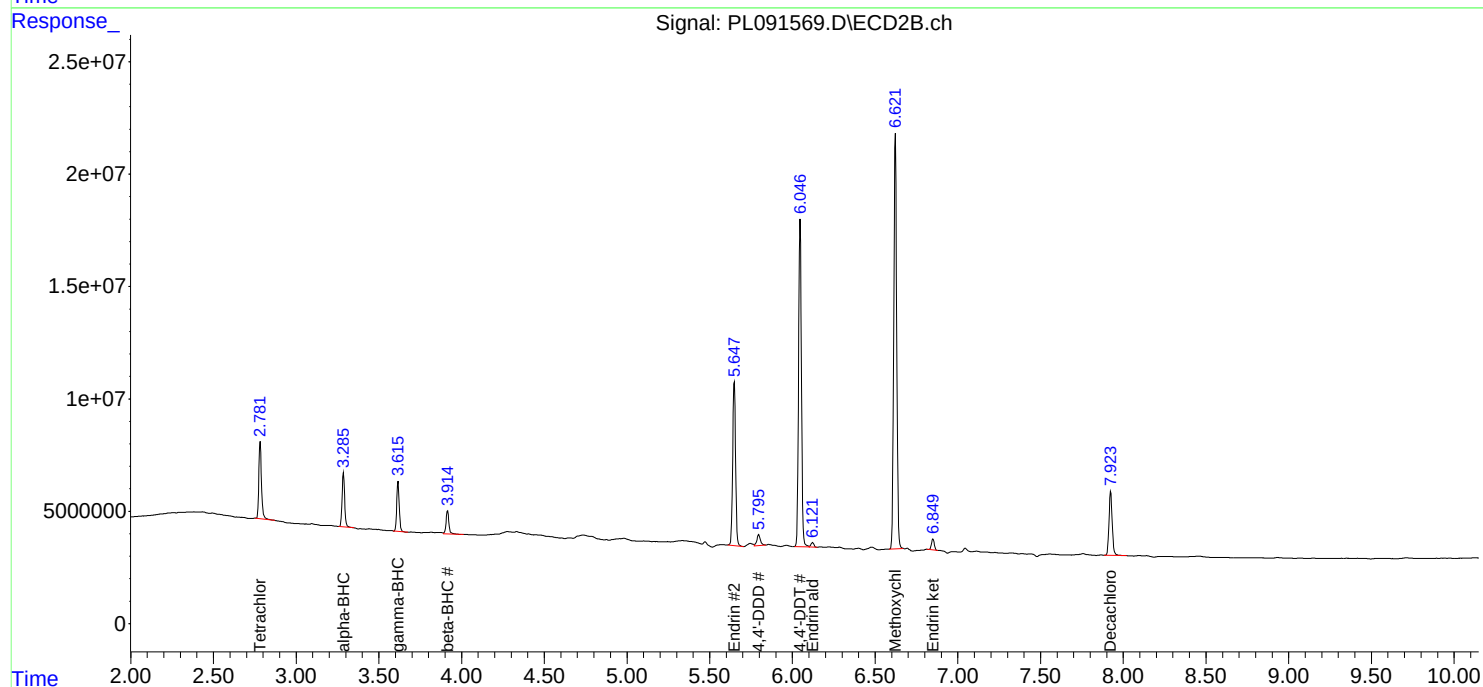
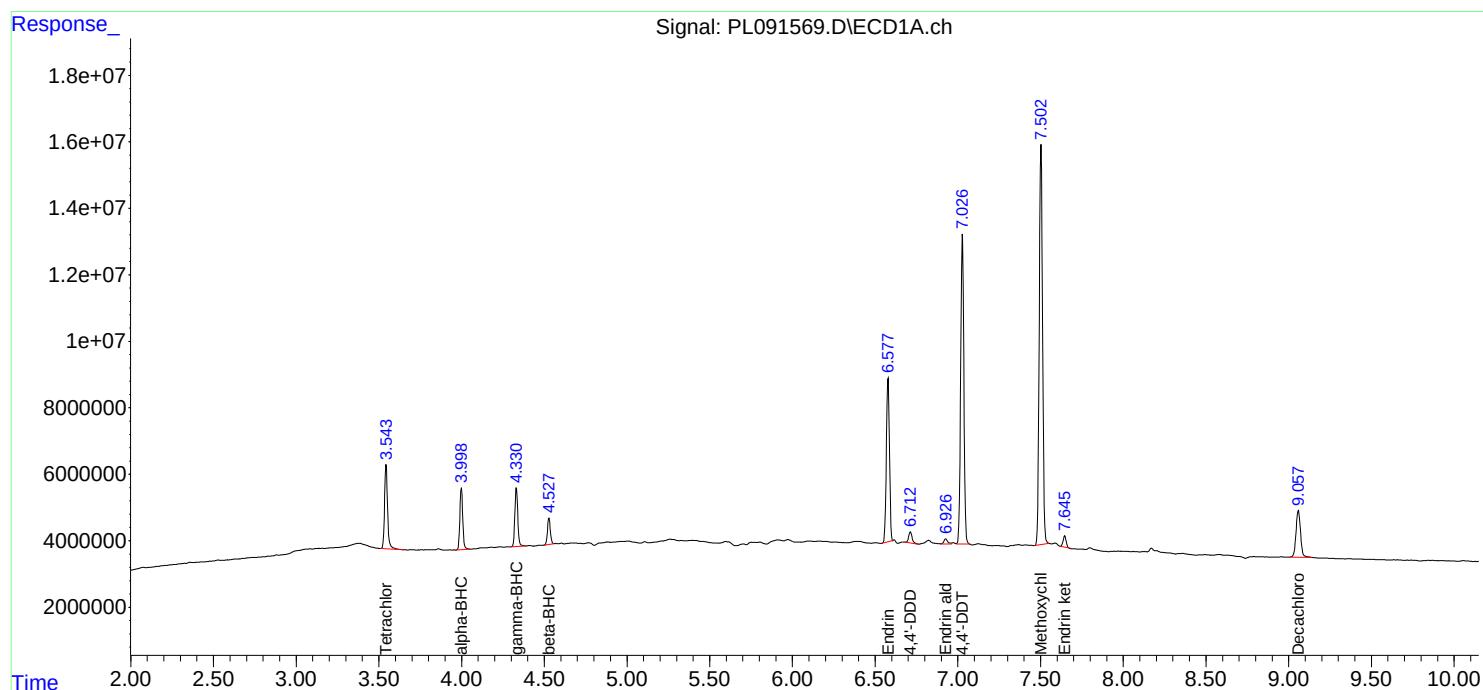
Instrument :
ECD_L
ClientSampleId :
PEM

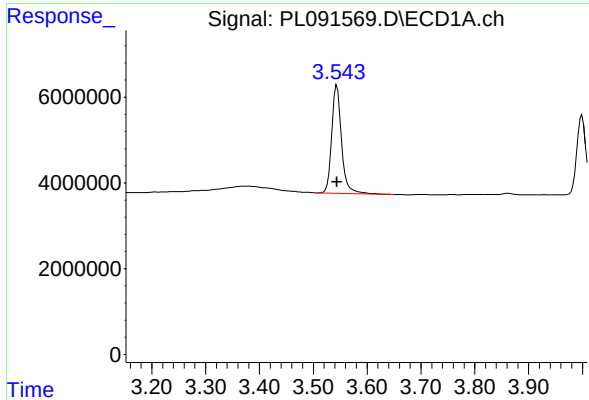
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/11/2024
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:05:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





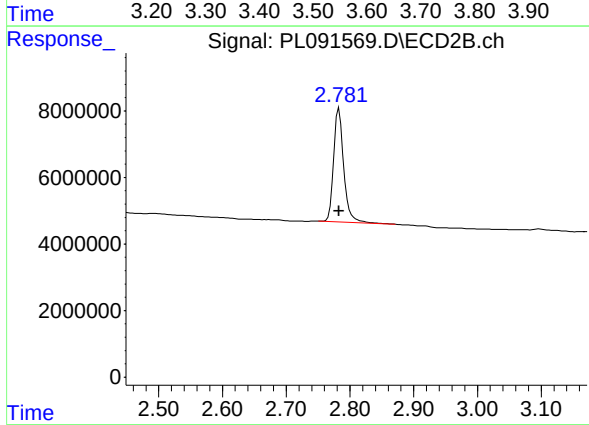
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 31886731
Conc: 20.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

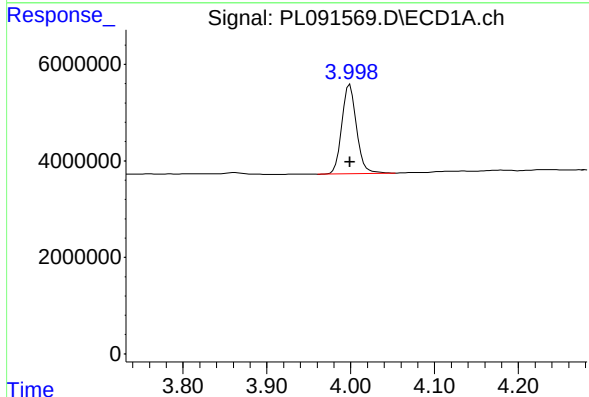
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



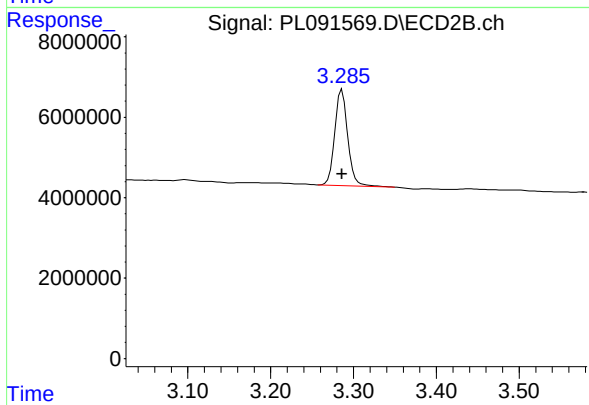
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 37703812
Conc: 20.16 ng/ml



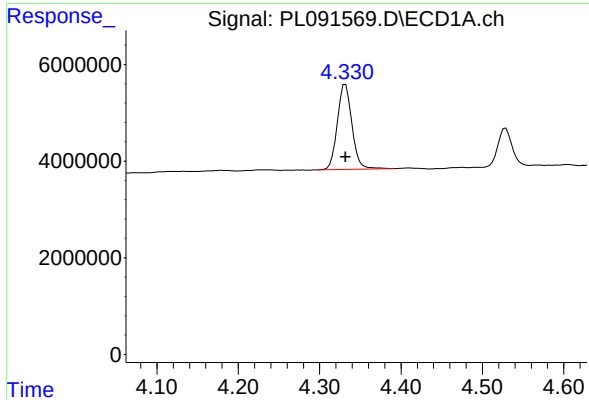
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 22490894
Conc: 10.41 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 25896502
Conc: 9.74 ng/ml



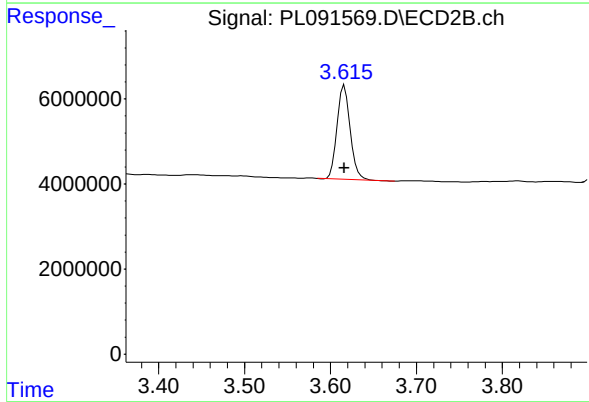
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 21892418
Conc: 10.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

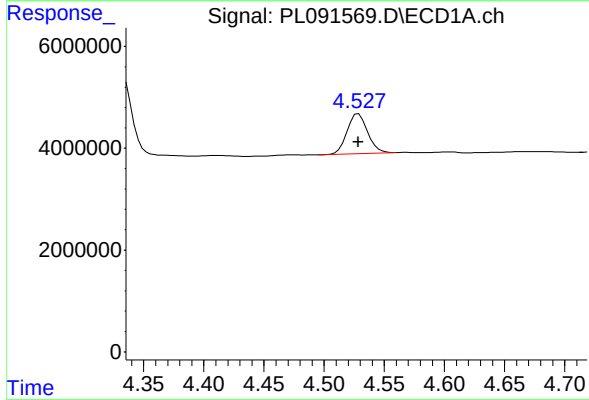
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



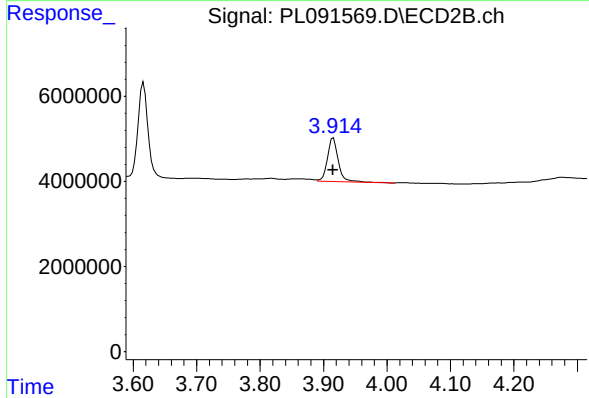
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 23564111
Conc: 9.58 ng/ml



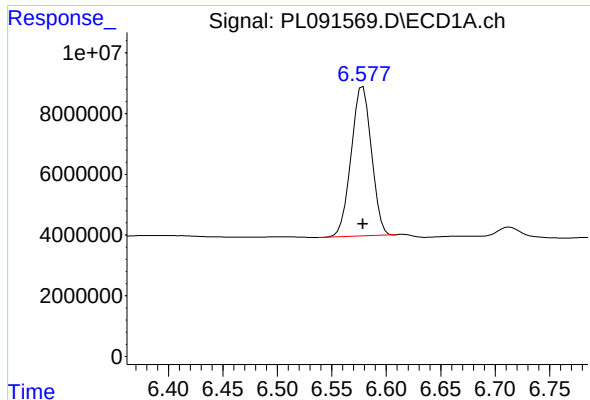
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 9351602
Conc: 10.28 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 12246907
Conc: 11.21 ng/ml



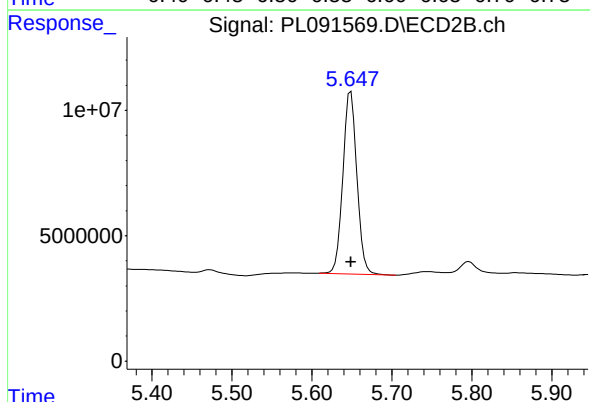
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 63873769
Conc: 48.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

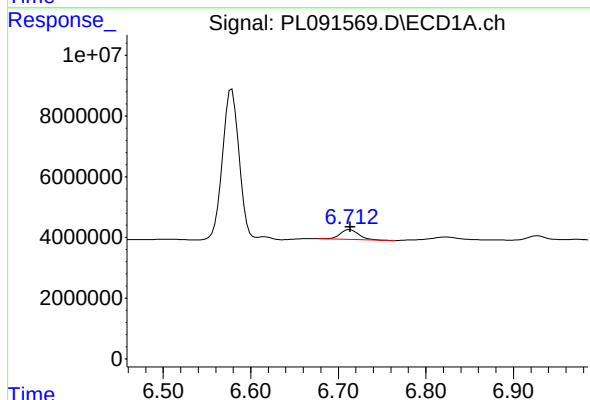
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



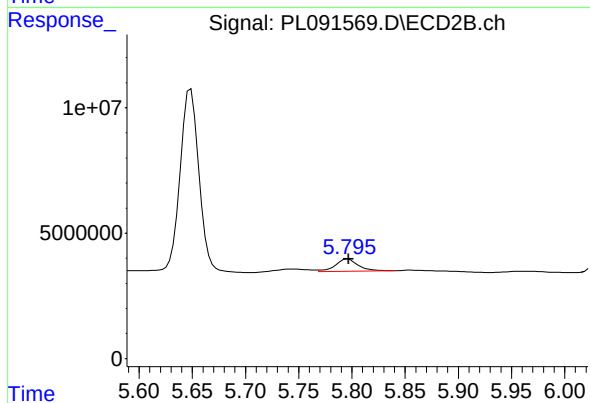
#14 Endrin

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 88698545
Conc: 47.00 ng/ml



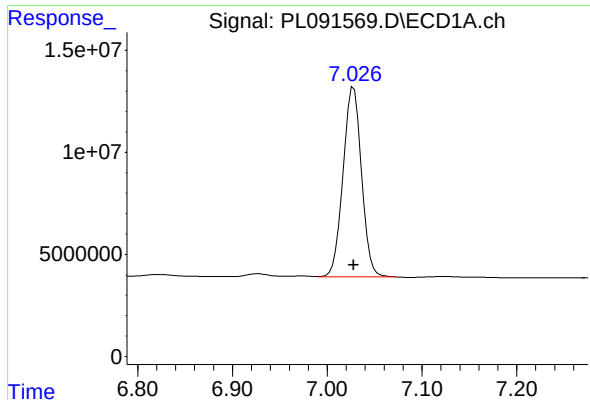
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 4762458
Conc: 3.76 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 7434919
Conc: 4.44 ng/ml



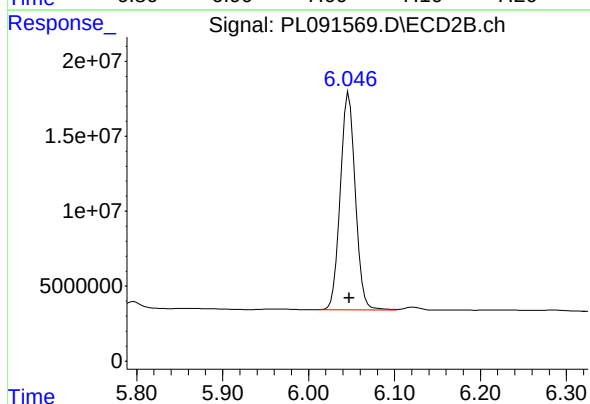
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 125681253
Conc: 95.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

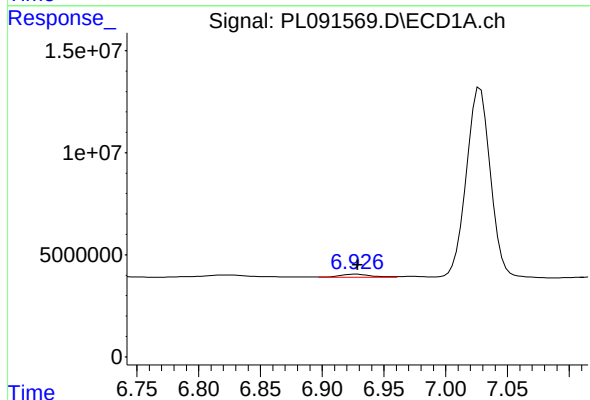
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



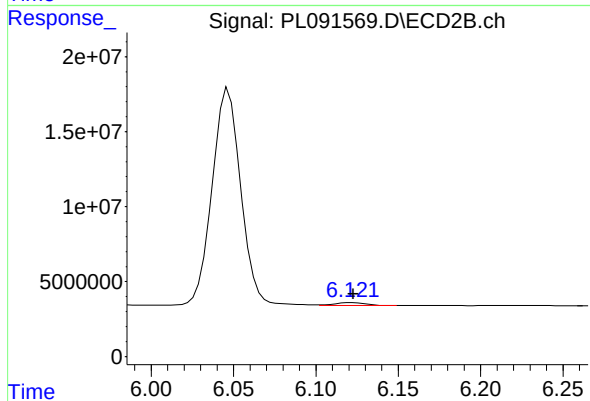
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 175338410
Conc: 109.12 ng/ml



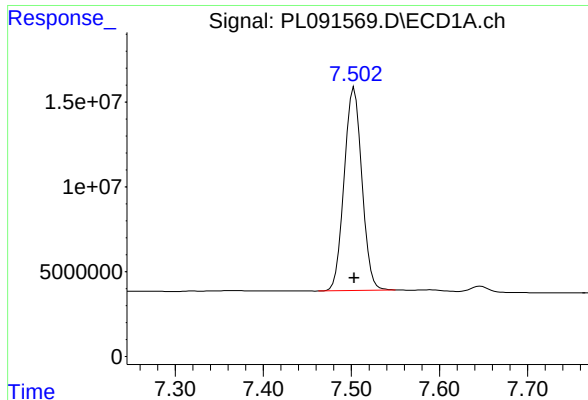
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: -0.001 min
Response: 2695867
Conc: 2.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 2592838
Conc: 1.90 ng/ml



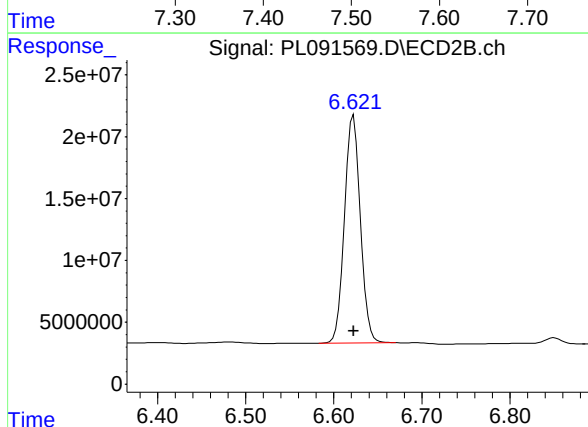
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 167572276
Conc: 247.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

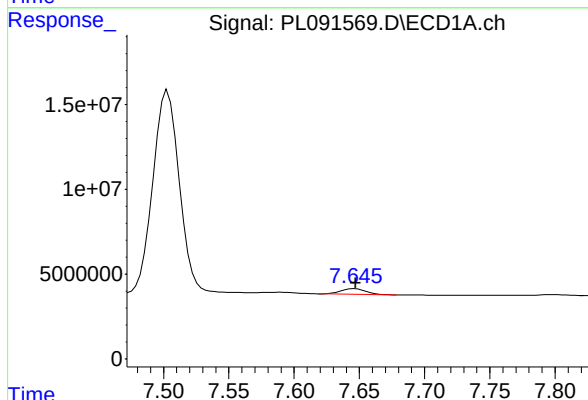
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



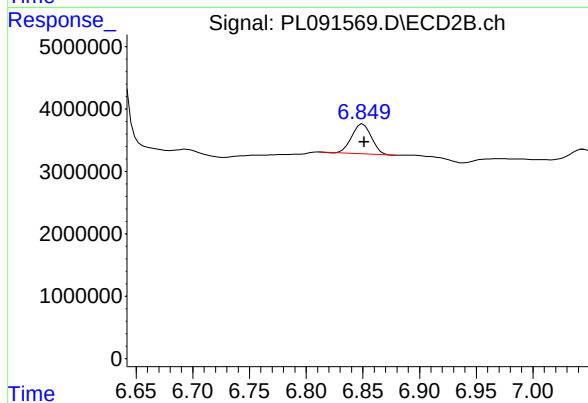
#20 Methoxychlor

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 231040879
Conc: 260.84 ng/ml



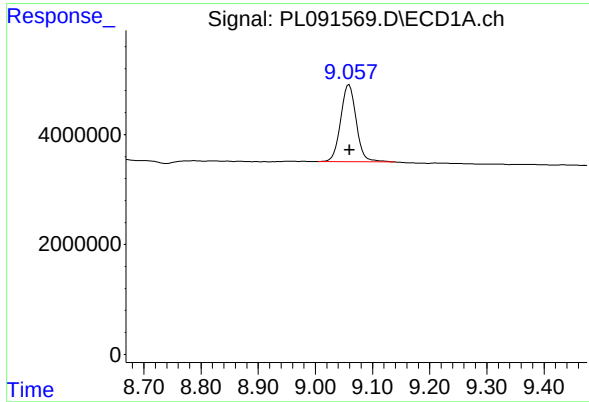
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: -0.002 min
Response: 4394739
Conc: 2.84 ng/ml m



#21 Endrin ketone

R.T.: 6.850 min
Delta R.T.: -0.001 min
Response: 5756357
Conc: 2.86 ng/ml



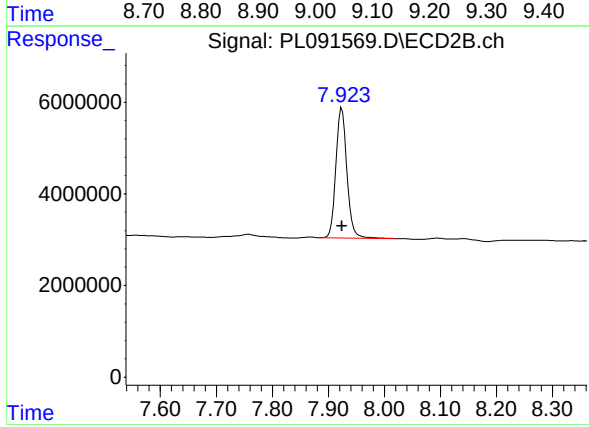
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.002 min
Response: 26579029
Conc: 21.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 38659670
Conc: 20.94 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CHEM02**

Lab Code: **CHEM** Case No.: **P3845** SAS No.: **P3845** SDG NO.: **P3845**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **09/09/2024** **09/09/2024**

Client Sample No. (PEM): **PEM - PL091605.D** Date Analyzed: **09/10/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:10**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.056	8.960	9.160	20.900	20.000	4.5
Tetrachloro-m-xylene	3.542	3.490	3.590	23.450	20.000	17.3
alpha-BHC	3.997	3.950	4.050	12.000	10.000	20.0
beta-BHC	4.527	4.480	4.580	13.000	10.000	30.0
gamma-BHC (Lindane)	4.330	4.280	4.380	11.950	10.000	19.5
Endrin	6.575	6.500	6.650	54.760	50.000	9.5
4,4'-DDT	7.025	6.950	7.100	107.830	100.000	7.8
Methoxychlor	7.501	7.430	7.570	277.790	250.000	11.1

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **09/09/2024** **09/09/2024**

Client Sample No. (PEM): **PEM - PL091605.D** Date Analyzed: **09/10/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:10**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.922	7.820	8.020	22.940	20.000	14.7
Tetrachloro-m-xylene	2.781	2.730	2.830	23.390	20.000	17.0
alpha-BHC	3.284	3.230	3.330	11.100	10.000	11.0
beta-BHC	3.914	3.860	3.960	12.000	10.000	20.0
gamma-BHC (Lindane)	3.614	3.560	3.660	10.840	10.000	8.4
Endrin	5.647	5.580	5.720	56.450	50.000	12.9
4,4'-DDT	6.045	5.970	6.120	129.210	100.000	29.2
Methoxychlor	6.620	6.550	6.690	305.340	250.000	22.1

Data File: PEM
Operator: PL091605.D Date Acquired 9/10/2024 11:10
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	72813321.39	77582179.48	4768858.1	Down 6.15
Endrin aldehyde	6.93	1444044.451			
Endrin ketone	7.64	3324813.646			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.65	106535033.3	113066183.6	6531150.27	5.78
Endrin aldehyde #2	6.12	2654812.656			
Endrin ketone #2	6.85	3876337.612			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	141451745	145081388.4	3629643.42	2.50
4,4'-DDE	6.19	270906.169			
4,4'-DDD	6.71	3358737.251			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.05	207619685.7	212586267.2	4966581.5	2.34
4,4'-DDE #2	5.24	271555.228			
4,4'-DDD #2	5.79	4695026.274			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
 Data File : PL091605.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 11:10
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/11/2024
 Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 05:30:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	36550814	43739029	23.451	23.386
28) SA Decachlor...	9.056	7.922	25400156	42359051	20.900	22.940
Target Compounds						
2) A alpha-BHC	3.997	3.284	25910594	29519258	11.996	11.099
3) MA gamma-BHC...	4.330	3.614	24564621	26668614	11.950	10.843
6) B beta-BHC	4.527	3.914	11830686	13107149	13.000	11.998
12) B 4,4'-DDE	6.194	5.243	270906	271555	0.186m	0.143m
14) MA Endrin	6.575	5.647	72813321	106.5E6	54.760m	56.452
16) A 4,4'-DDD	6.713	5.794	3358737	4695026	2.650	2.802m
17) MA 4,4'-DDT	7.025	6.045	141.5E6	207.6E6	107.834	129.214
18) B Endrin al...	6.926	6.121	1444044	2654813	1.215	1.942 #
20) A Methoxychlor	7.501	6.620	187.9E6	270.5E6	277.788	305.340
21) B Endrin ke...	7.644	6.848	3324814	3876338	2.150	1.927

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 11:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

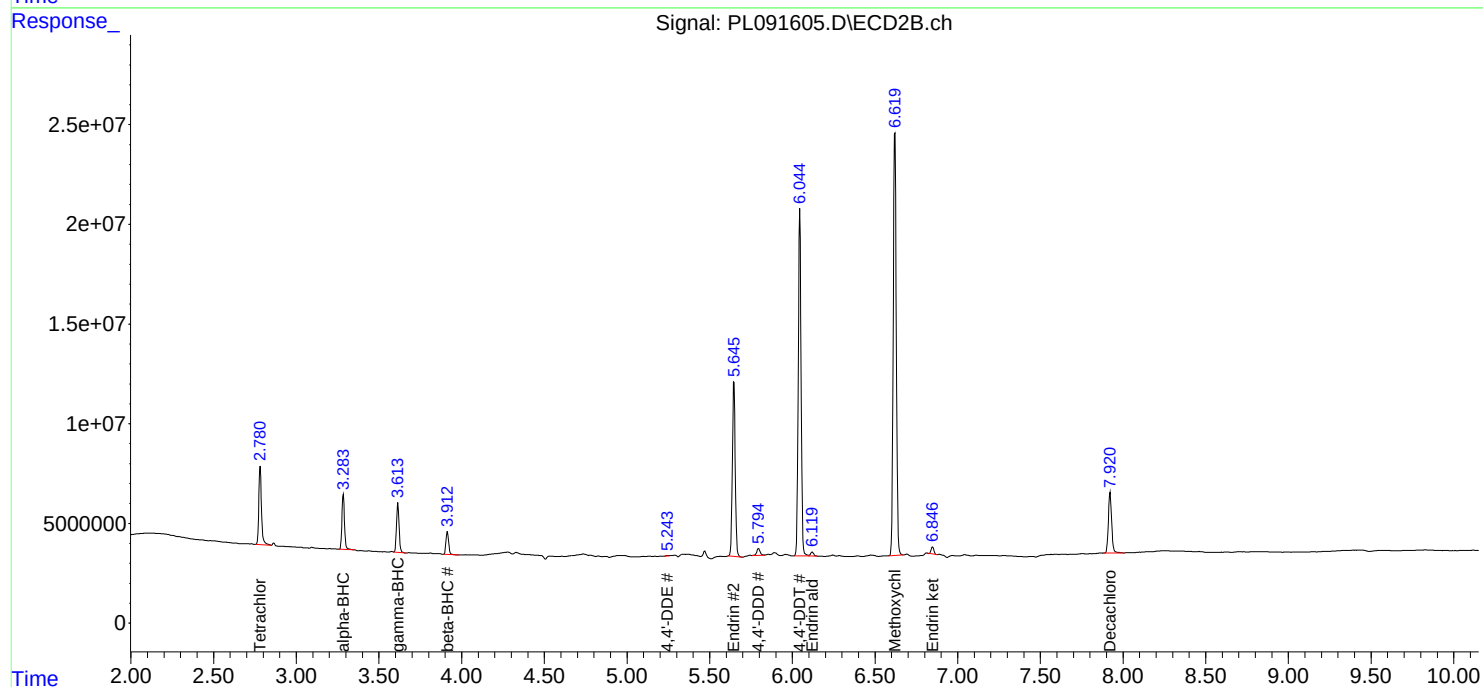
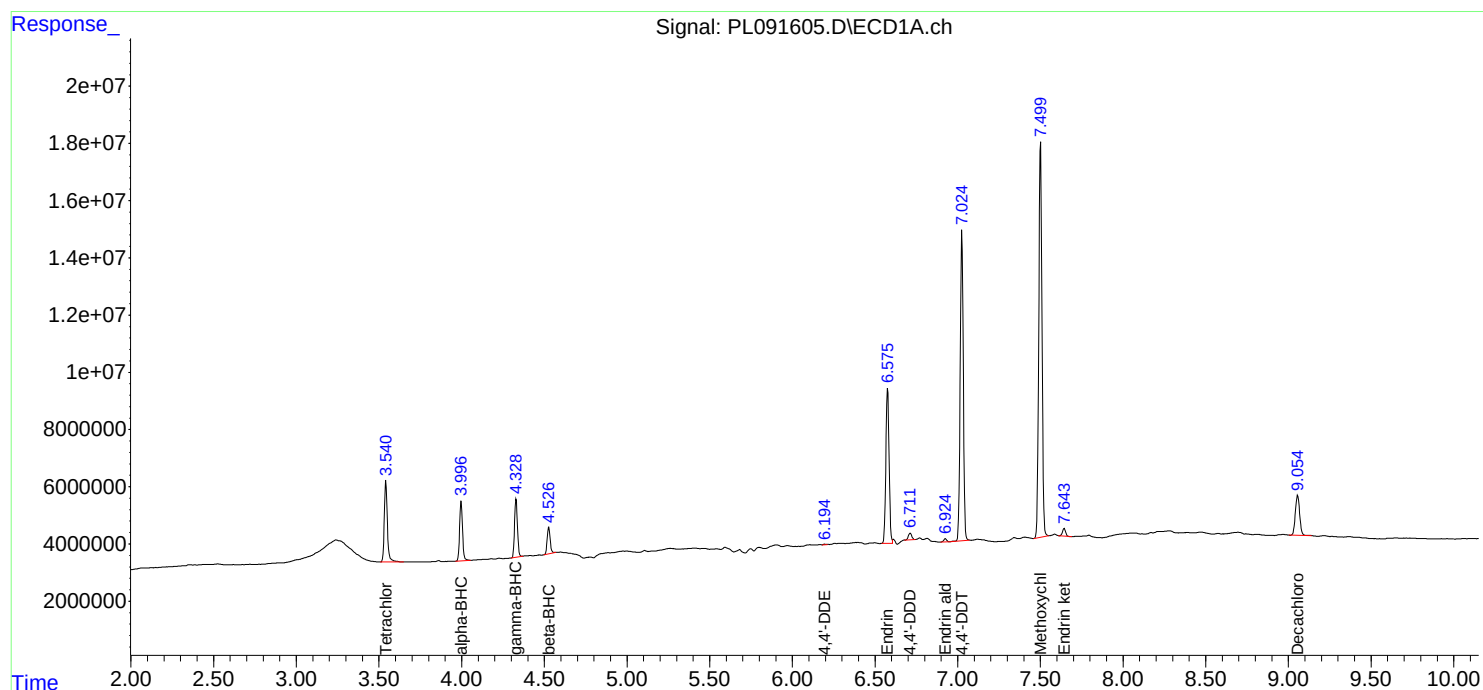
Instrument :
ECD_L
ClientSampleId :
PEM

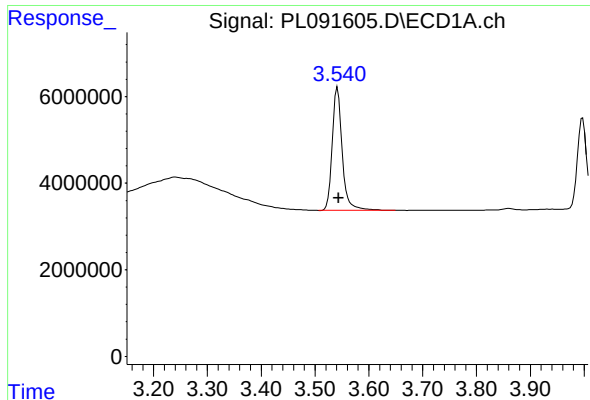
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:30:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





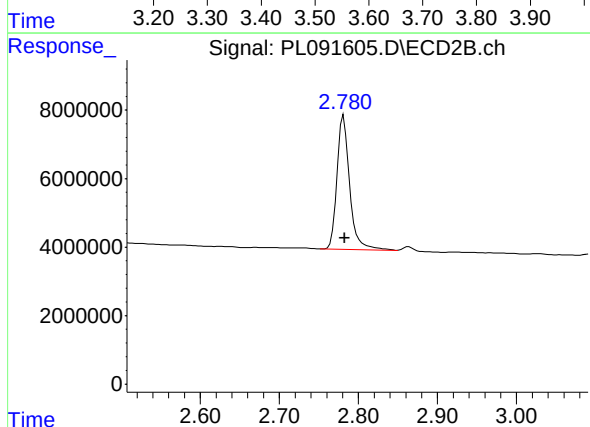
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 36550814
Conc: 23.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

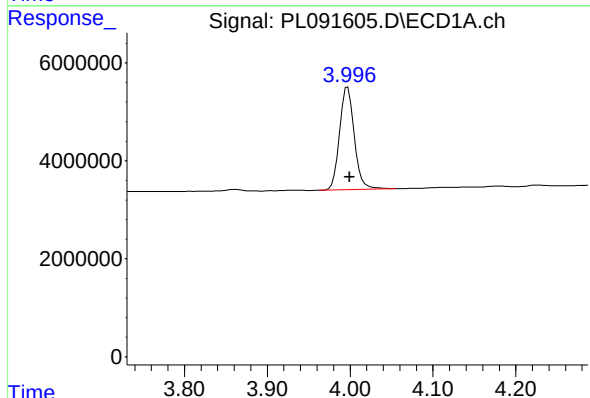
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



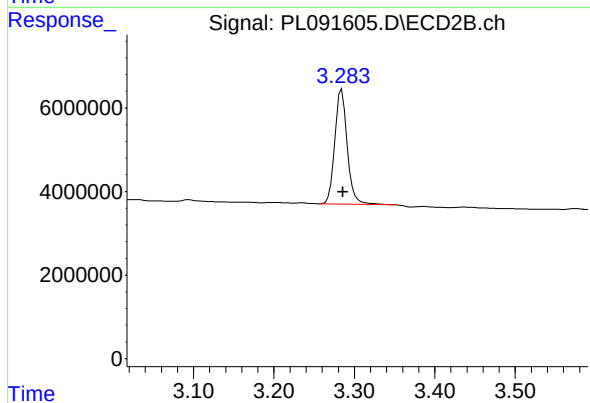
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.001 min
Response: 43739029
Conc: 23.39 ng/ml



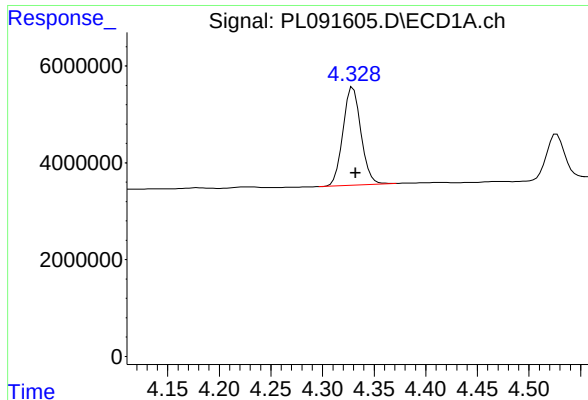
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.002 min
Response: 25910594
Conc: 12.00 ng/ml



#2 alpha-BHC

R.T.: 3.284 min
Delta R.T.: -0.002 min
Response: 29519258
Conc: 11.10 ng/ml



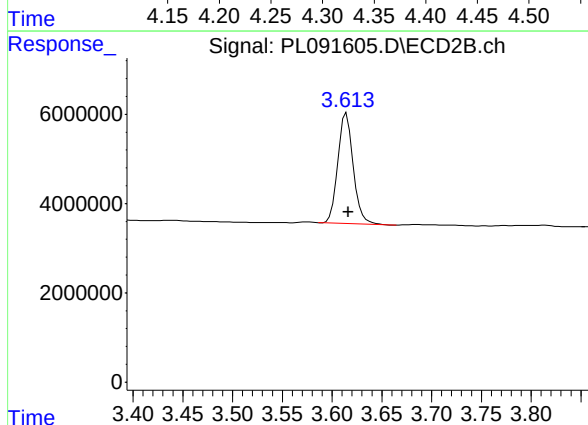
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 24564621
Conc: 11.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

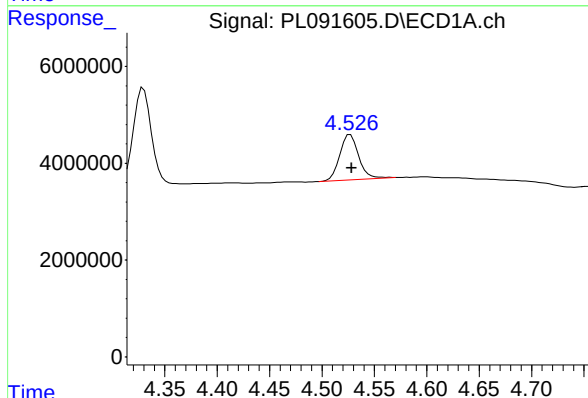
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



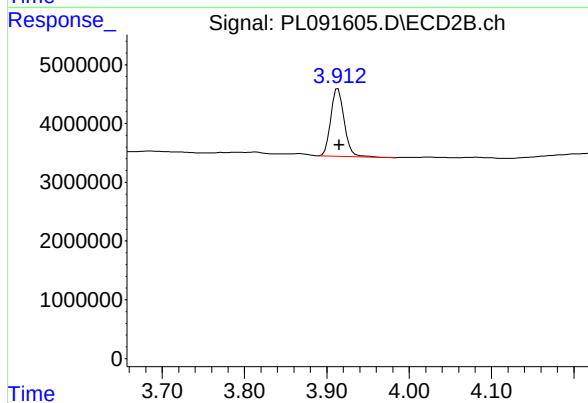
#3 gamma-BHC (Lindane)

R.T.: 3.614 min
Delta R.T.: -0.002 min
Response: 26668614
Conc: 10.84 ng/ml



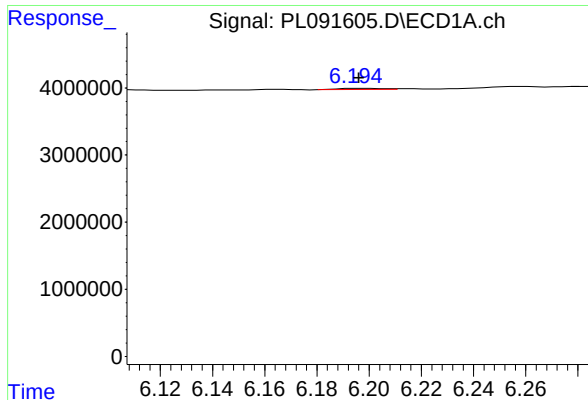
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: -0.002 min
Response: 11830686
Conc: 13.00 ng/ml



#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: -0.002 min
Response: 13107149
Conc: 12.00 ng/ml



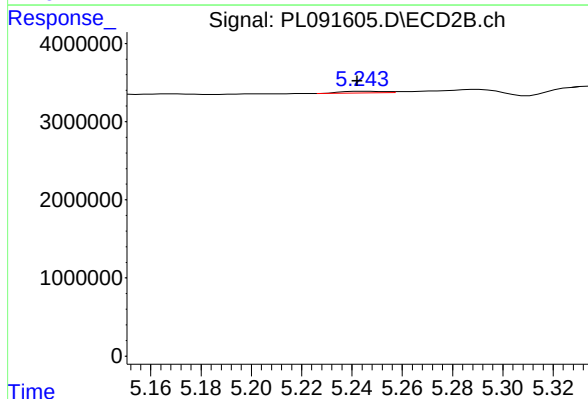
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 270906
Conc: 0.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

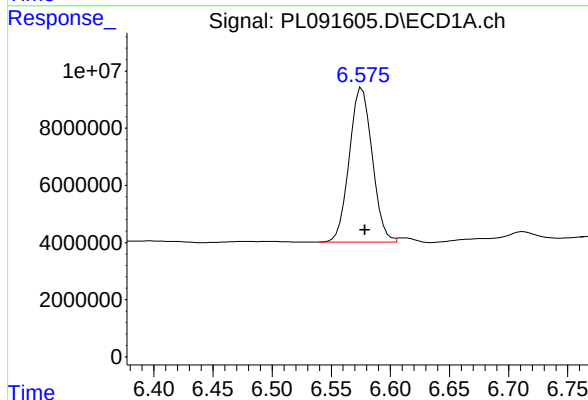
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



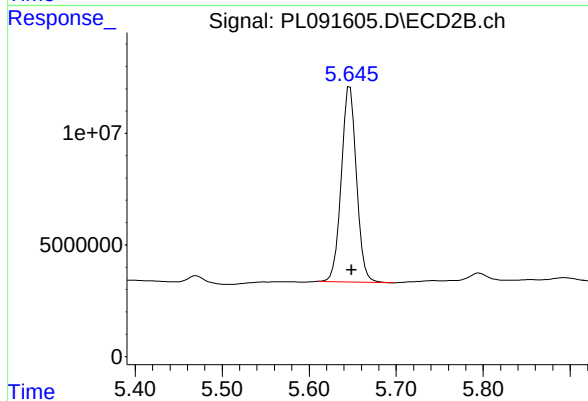
#12 4,4'-DDE

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 271555
Conc: 0.14 ng/ml



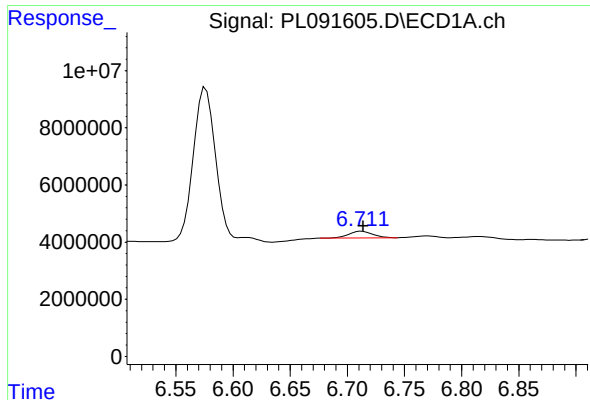
#14 Endrin

R.T.: 6.575 min
Delta R.T.: -0.004 min
Response: 72813321
Conc: 54.76 ng/ml



#14 Endrin

R.T.: 5.647 min
Delta R.T.: -0.002 min
Response: 106535033
Conc: 56.45 ng/ml



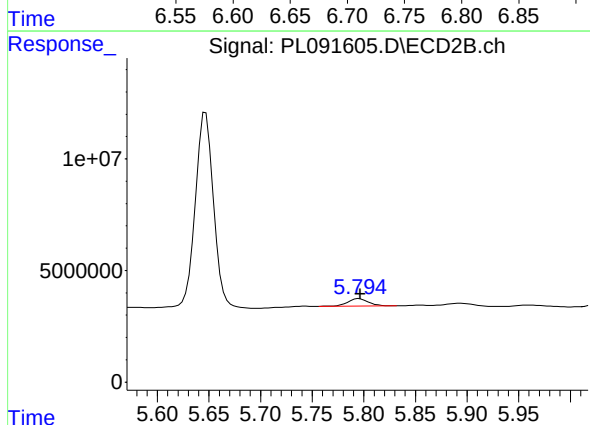
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: -0.001 min
Response: 3358737
Conc: 2.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

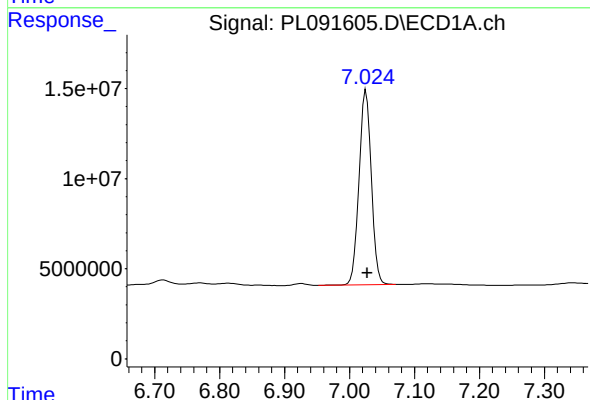
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



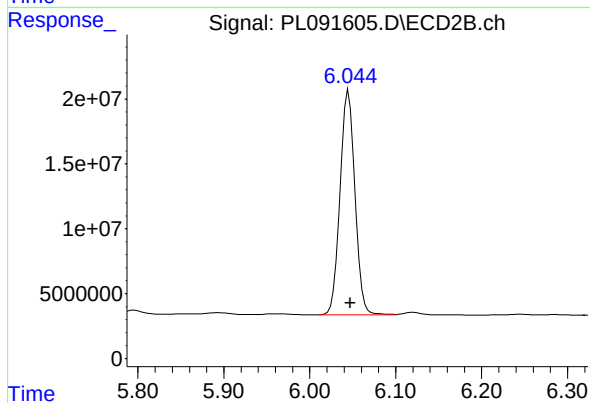
#16 4,4'-DDD

R.T.: 5.794 min
Delta R.T.: -0.003 min
Response: 4695026
Conc: 2.80 ng/ml



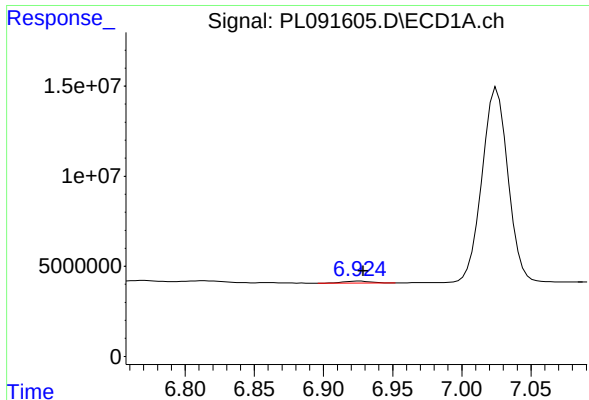
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: -0.002 min
Response: 141451745
Conc: 107.83 ng/ml



#17 4,4'-DDT

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 207619686
Conc: 129.21 ng/ml



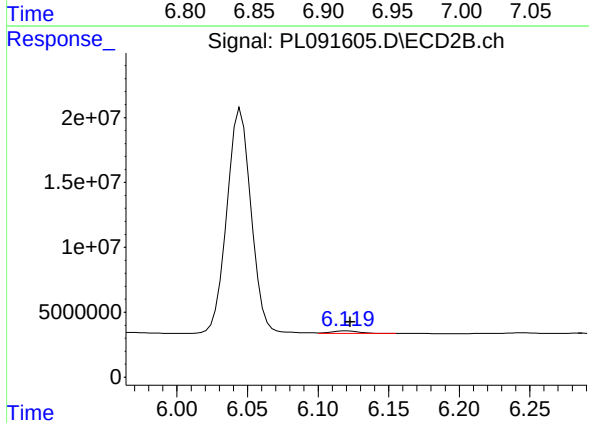
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: -0.003 min
Response: 1444044
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

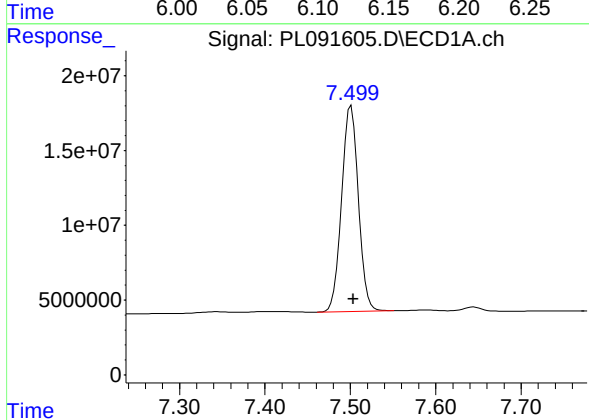
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



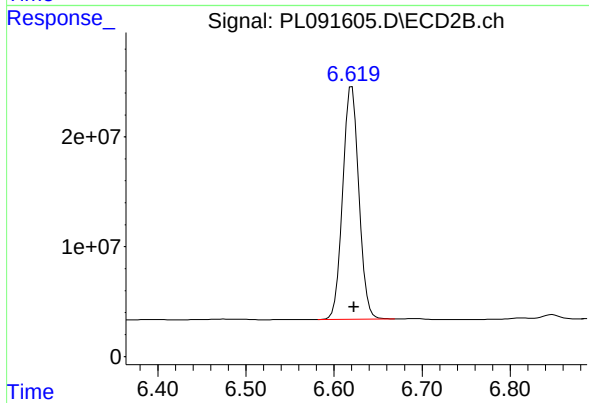
#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: -0.002 min
Response: 2654813
Conc: 1.94 ng/ml



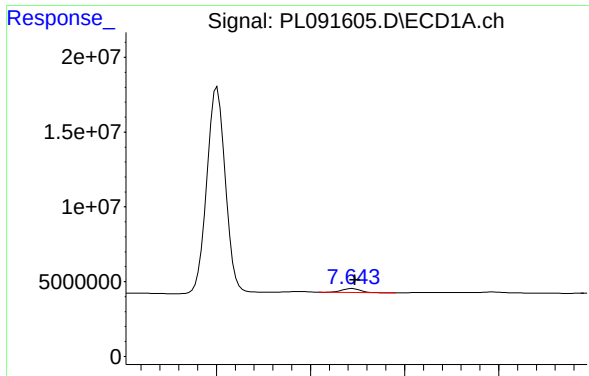
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: -0.002 min
Response: 187914381
Conc: 277.79 ng/ml



#20 Methoxychlor

R.T.: 6.620 min
Delta R.T.: -0.002 min
Response: 270459042
Conc: 305.34 ng/ml



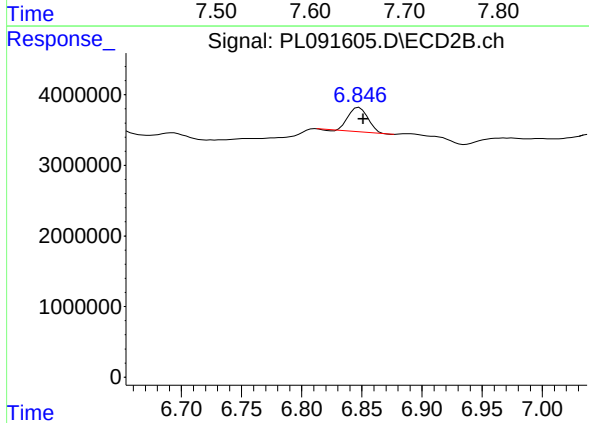
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.003 min
Response: 3324814
Conc: 2.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

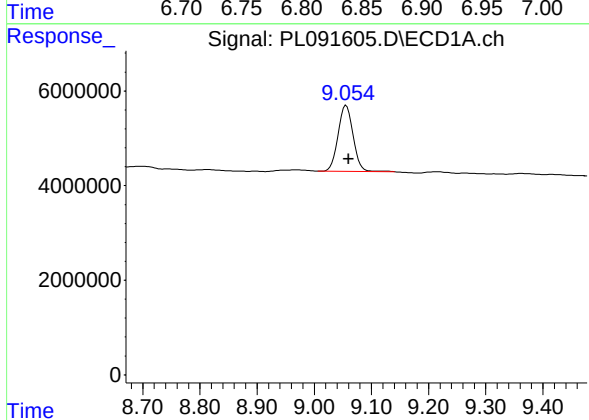
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



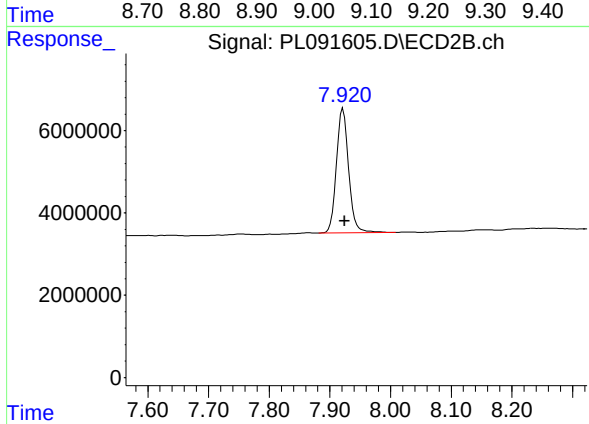
#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.003 min
Response: 3876338
Conc: 1.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: -0.005 min
Response: 25400156
Conc: 20.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.003 min
Response: 42359051
Conc: 22.94 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CHEM02**

Lab Code: **CHEM** Case No.: **P3845** SAS No.: **P3845** SDG NO.: **P3845**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **09/09/2024** **09/09/2024**

Client Sample No. (PEM): **PEM - PL091629.D** Date Analyzed: **09/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **03:31**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.057	8.960	9.160	24.790	20.000	24.0
Tetrachloro-m-xylene	3.543	3.490	3.590	25.360	20.000	26.8
alpha-BHC	3.999	3.950	4.050	13.330	10.000	33.3
beta-BHC	4.529	4.480	4.580	13.250	10.000	32.5
gamma-BHC (Lindane)	4.332	4.280	4.380	12.980	10.000	29.8
Endrin	6.576	6.510	6.650	59.440	50.000	18.9
4,4'-DDT	7.027	6.960	7.100	115.460	100.000	15.5
Methoxychlor	7.503	7.430	7.570	300.100	250.000	20.0

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **09/09/2024** **09/09/2024**

Client Sample No. (PEM): **PEM - PL091629.D** Date Analyzed: **09/11/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **03:31**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.923	7.820	8.020	23.270	20.000	16.4
Tetrachloro-m-xylene	2.782	2.730	2.830	25.260	20.000	26.3
alpha-BHC	3.285	3.230	3.340	11.750	10.000	17.5
beta-BHC	3.915	3.860	3.970	12.690	10.000	26.9
gamma-BHC (Lindane)	3.615	3.560	3.670	11.640	10.000	16.4
Endrin	5.648	5.580	5.720	56.860	50.000	13.7
4,4'-DDT	6.046	5.980	6.120	128.230	100.000	28.2
Methoxychlor	6.621	6.550	6.690	299.980	250.000	20.0

Data File: PEM
Operator: PL091629.D Date Acquired 9/11/2024 3:31
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	79042164.68	86272247.02	7230082.34	Down 8.38
Endrin aldehyde	6.93	2367016.25			
Endrin ketone	7.65	4863066.094			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.65	107300263.6	117059804.5	9759540.87	8.34
Endrin aldehyde #2	6.12	2995590.128			
Endrin ketone #2	6.85	6763950.746			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	151457572	158429610.1	6972038.2	4.40
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	6972038.197			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.05	206041692.9	215188309.6	9146616.62	4.25
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.80	9146616.617			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
 Data File : PL091629.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2024 03:31
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/11/2024
 Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 07:05:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	39523707	47252633	25.359	25.265
28) SA Decachlor...	9.057	7.923	30127009	42972794	24.789	23.272
Target Compounds						
2) A alpha-BHC	3.999	3.285	28795327	31256453	13.332	11.752
3) MA gamma-BHC...	4.332	3.615	26686409	28632172	12.982	11.642
6) B beta-BHC	4.529	3.915	12054347	13863691	13.246	12.690
14) MA Endrin	6.576	5.648	79042165	107.3E6	59.444m	56.857
16) A 4,4'-DDD	6.713	5.796	6972038	9146617	5.500	5.458
17) MA 4,4'-DDT	7.027	6.046	151.5E6	206.0E6	115.462	128.232
18) B Endrin al...	6.927	6.121	2367016	2995590	1.992	2.191
20) A Methoxychlor	7.503	6.621	203.0E6	265.7E6	300.100	299.976
21) B Endrin ke...	7.646	6.849	4863066	6763951	3.145	3.363

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 03:31
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

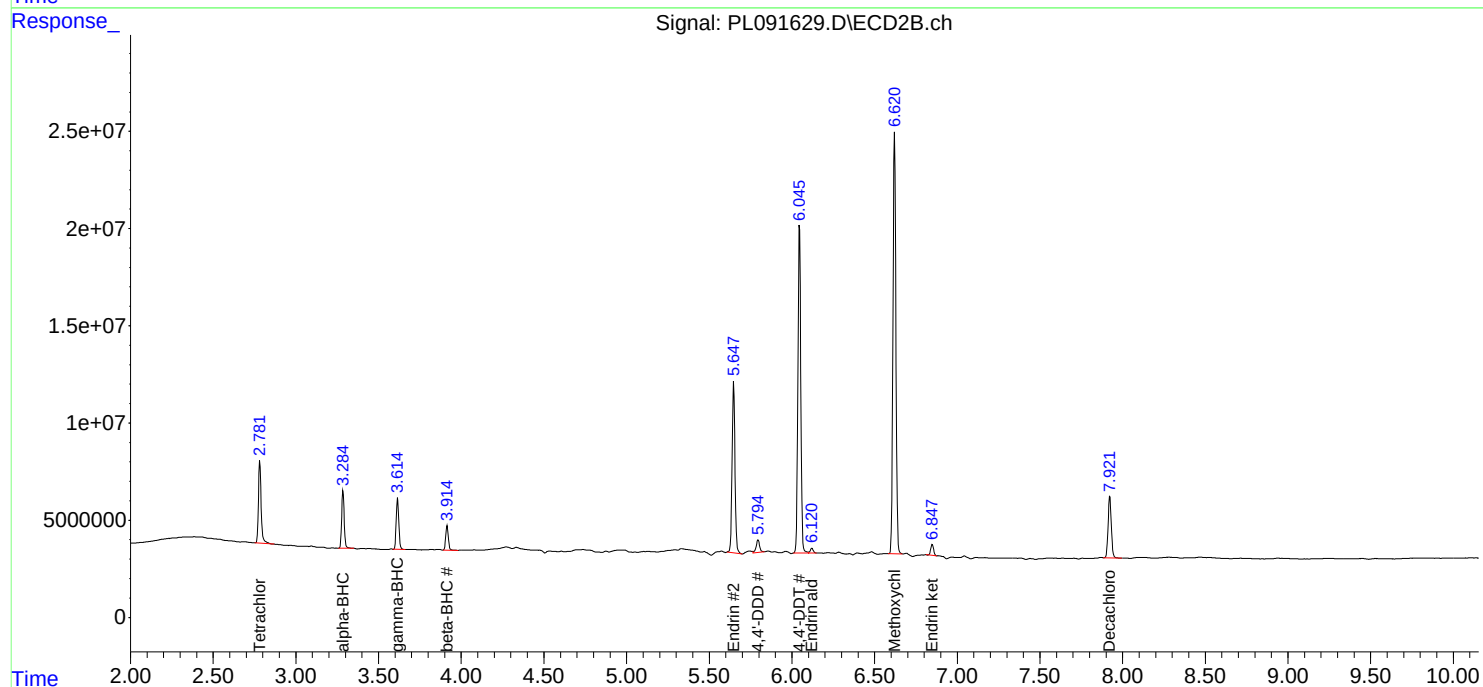
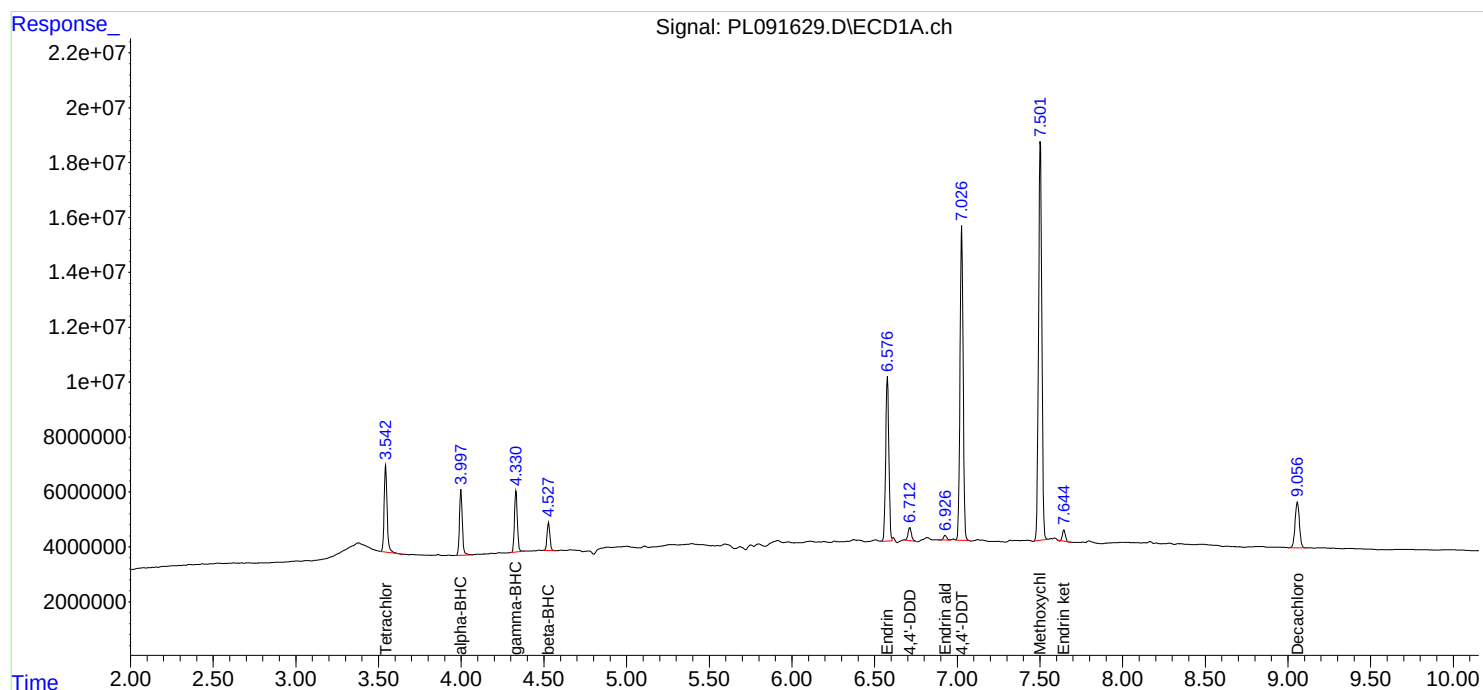
Instrument :
ECD_L
ClientSampleId :
PEM

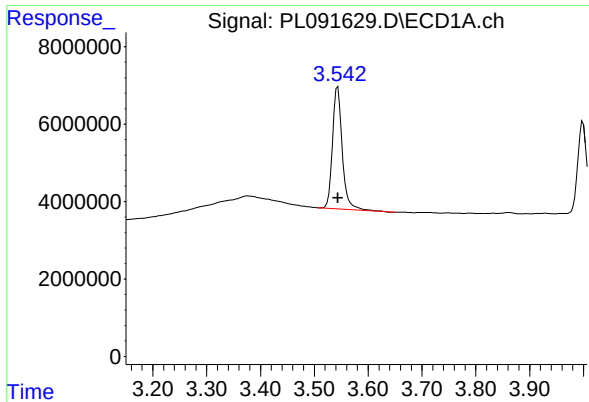
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/11/2024
Supervised By : Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 07:05:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





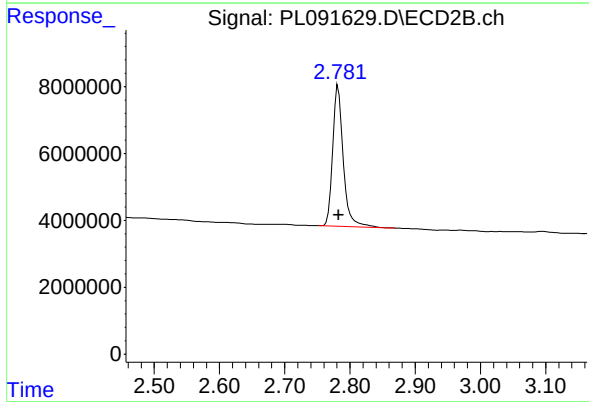
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 39523707
Conc: 25.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

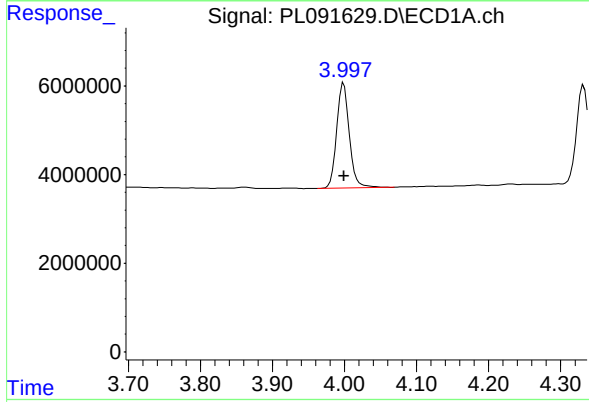
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



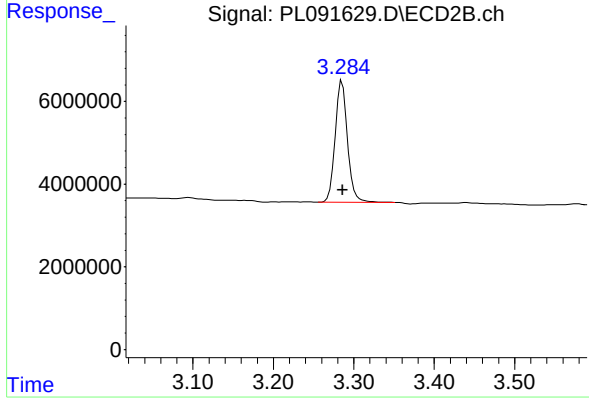
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 47252633
Conc: 25.26 ng/ml



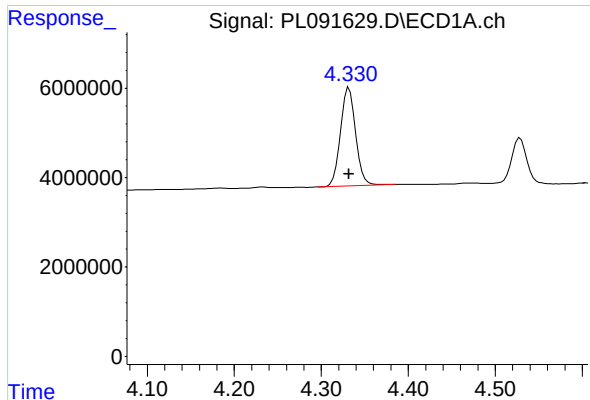
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 28795327
Conc: 13.33 ng/ml



#2 alpha-BHC

R.T.: 3.285 min
Delta R.T.: 0.000 min
Response: 31256453
Conc: 11.75 ng/ml



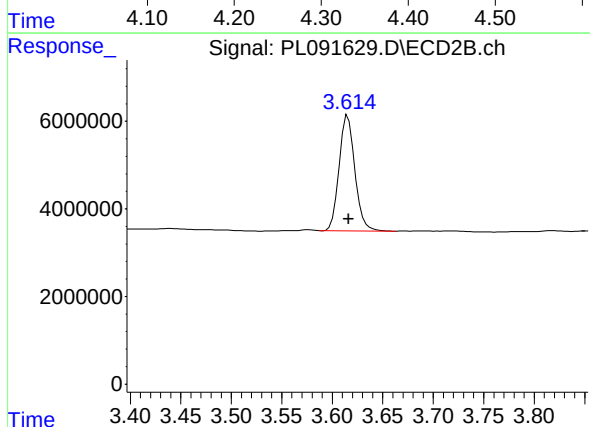
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 26686409
Conc: 12.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

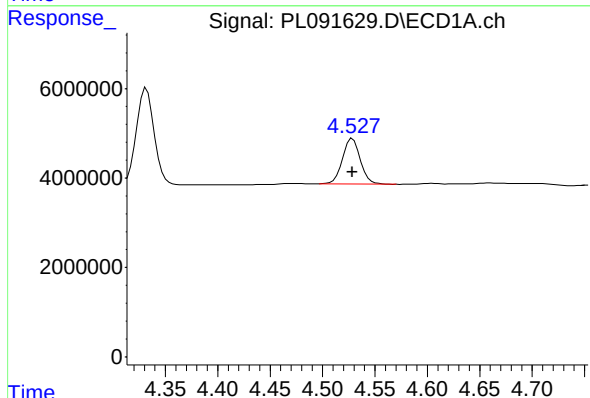
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



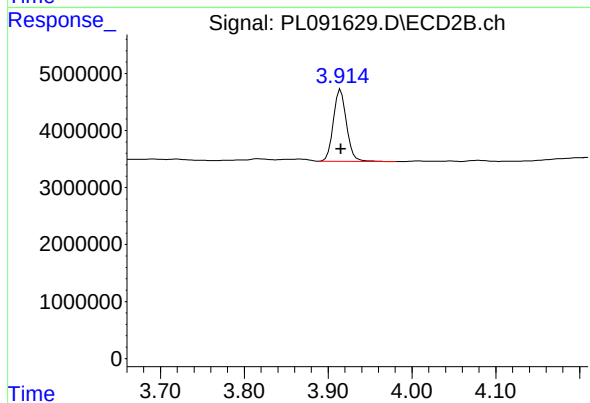
#3 gamma-BHC (Lindane)

R.T.: 3.615 min
Delta R.T.: 0.000 min
Response: 28632172
Conc: 11.64 ng/ml



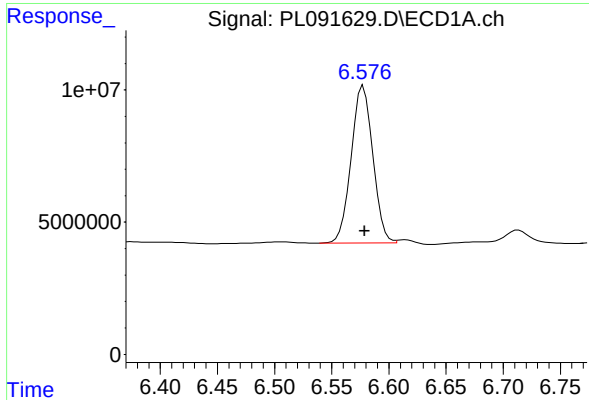
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 12054347
Conc: 13.25 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 13863691
Conc: 12.69 ng/ml



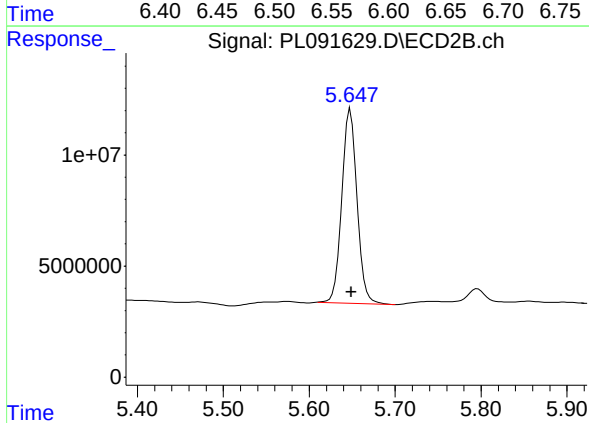
#14 Endrin

R.T.: 6.576 min
Delta R.T.: -0.002 min
Response: 79042165
Conc: 59.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

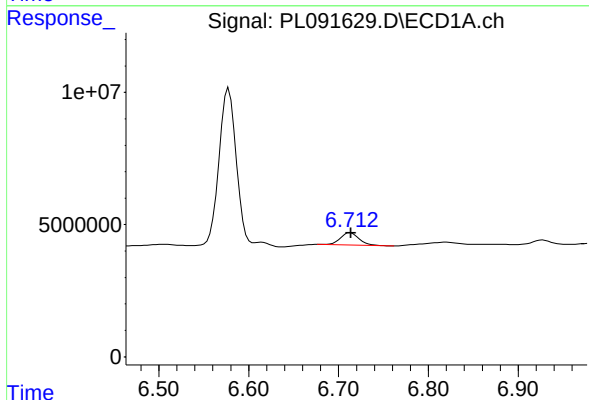
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



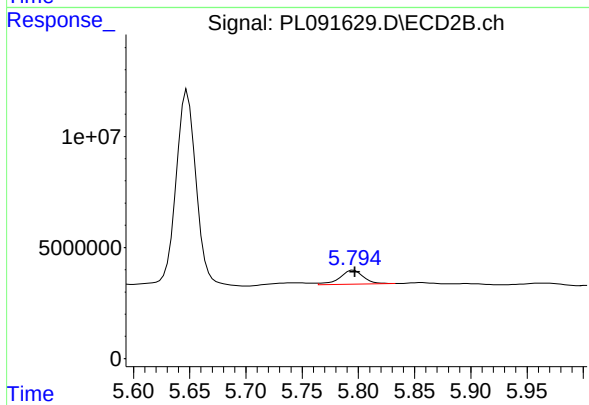
#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 107300264
Conc: 56.86 ng/ml



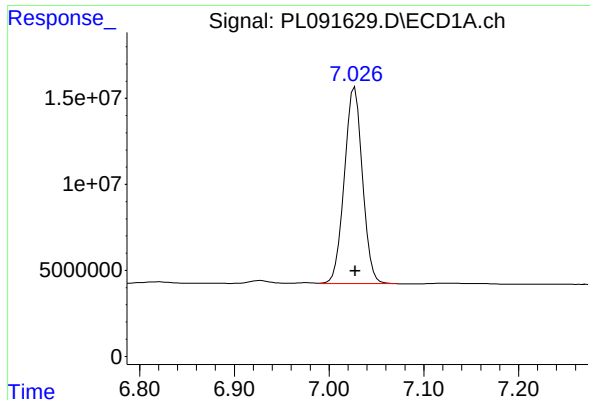
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 6972038
Conc: 5.50 ng/ml



#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: -0.001 min
Response: 9146617
Conc: 5.46 ng/ml



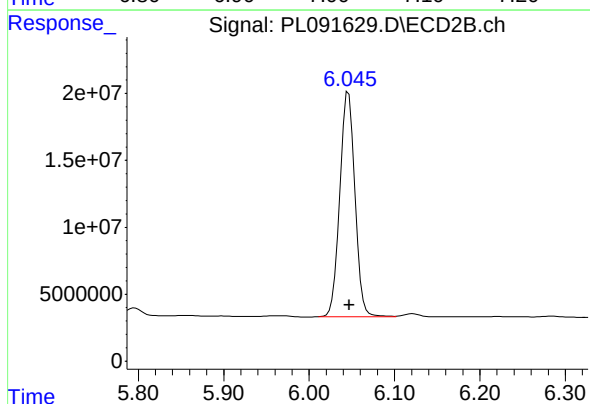
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 151457572
Conc: 115.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

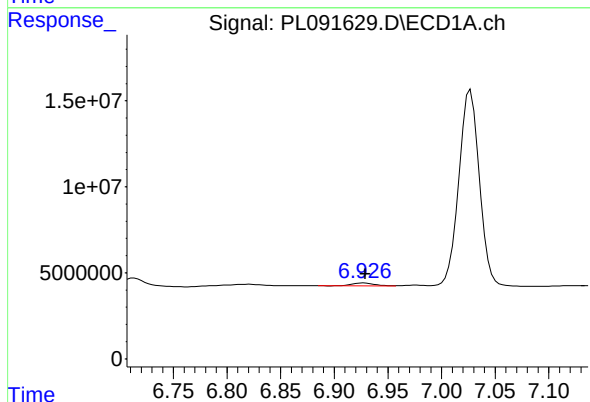
Manual Integrations
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Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



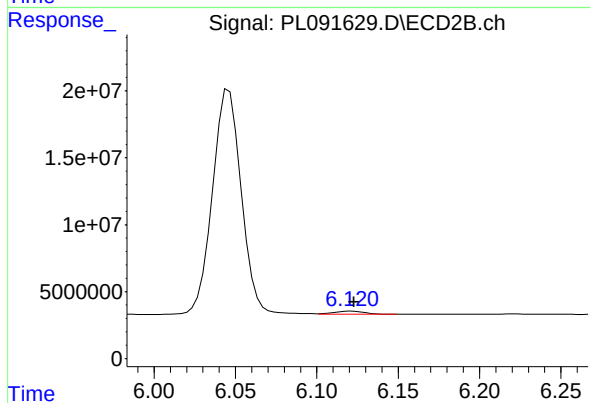
#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 206041693
Conc: 128.23 ng/ml



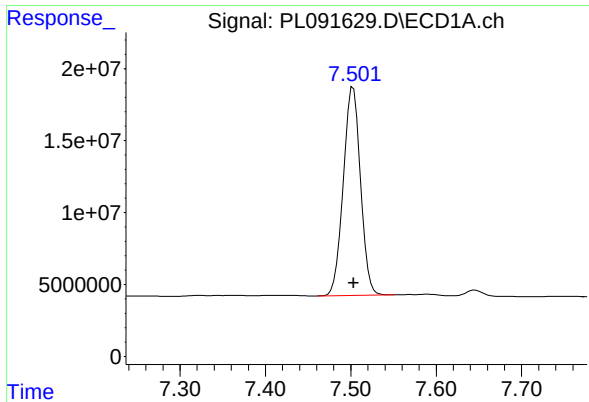
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: -0.001 min
Response: 2367016
Conc: 1.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: -0.001 min
Response: 2995590
Conc: 2.19 ng/ml



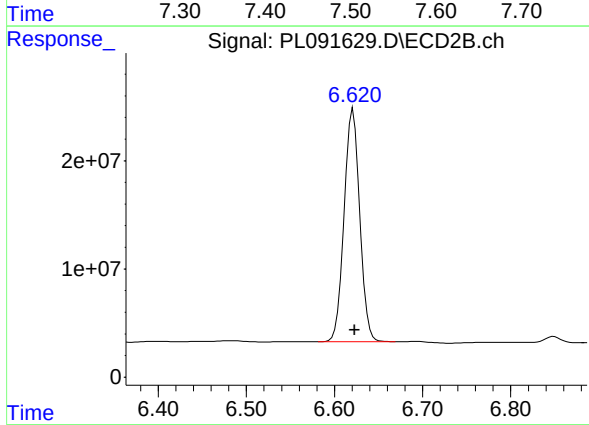
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 203007436
Conc: 300.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

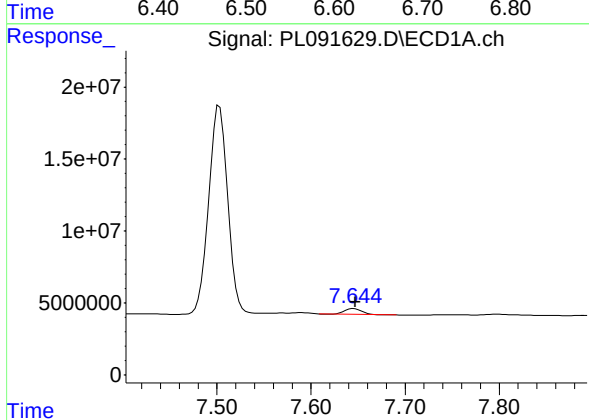
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



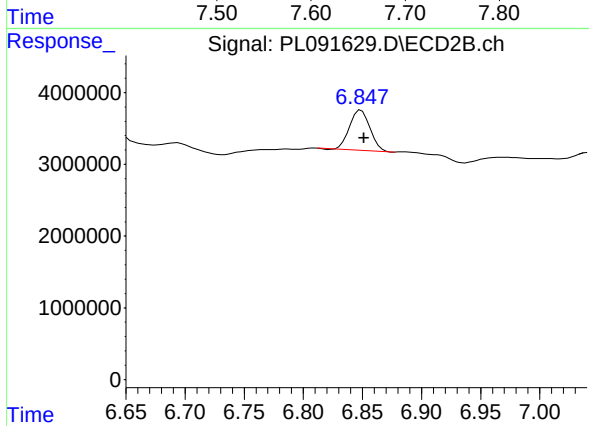
#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 265707715
Conc: 299.98 ng/ml



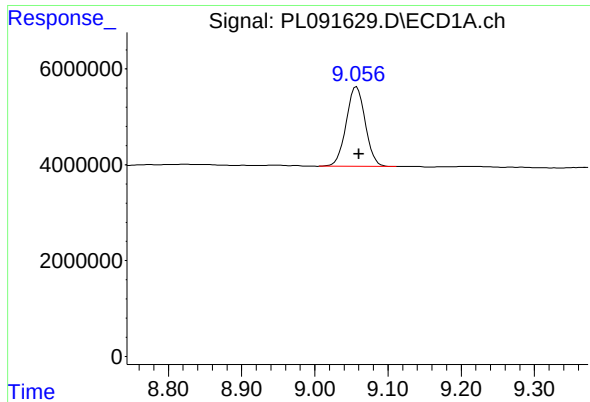
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: -0.001 min
Response: 4863066
Conc: 3.14 ng/ml



#21 Endrin ketone

R.T.: 6.849 min
Delta R.T.: -0.002 min
Response: 6763951
Conc: 3.36 ng/ml



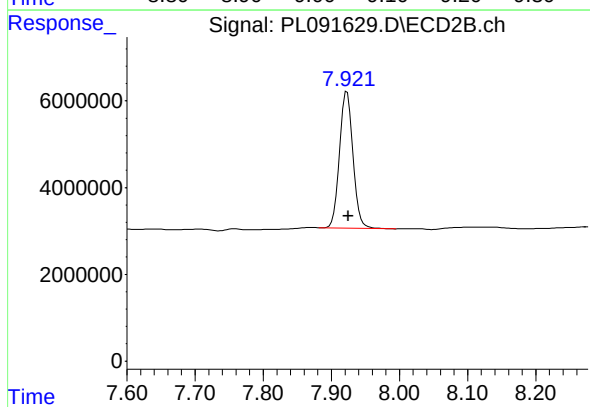
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.003 min
Response: 30127009
Conc: 24.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: -0.002 min
Response: 42972794
Conc: 23.27 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CHEM02**

Lab Code: **CHEM** Case No.: **P3845** SAS No.: **P3845** SDG NO.: **P3845**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL091954.D** Date Analyzed: **09/23/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL091954.D** Date Analyzed: **09/23/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

Data File: PEM
Operator: PL091954.D Date Acquired 9/23/2024 11:05
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	89210787.09	95624224.03	6413436.94	Down 6.71
Endrin aldehyde	6.93	2005686.368			
Endrin ketone	7.65	4407750.575			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.65	121797718.1	130041289.7	8243571.59	6.34
Endrin aldehyde #2	6.12	3161374.393			
Endrin ketone #2	6.85	5082197.197			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	166145728.9	168085243.5	1939514.63	1.15
4,4'-DDE	0.00	0			
4,4'-DDD	6.72	1939514.634			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.05	242762784.1	244890662.1	2127877.96	0.87
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.80	2127877.965			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
 Data File : PL091954.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2024 11:05
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/24/2024
 Supervised By : Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:04:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 14:03:20 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	44655553	48372105	20.073	19.287
2) SA Decachlor...	9.061	7.923	32491916	48400108	19.834	19.345
Target Compounds						
2) A alpha-BHC	3.999	3.285	31525485	33598423	10.181	9.222
3) MA gamma-BHC...	4.332	3.616	31299814	31345350	10.101	8.877
6) B beta-BHC	4.529	3.915	14260072	15849227	10.751	10.544
14) MA Endrin	6.579	5.648	89210787	121.8E6	43.292	46.449
16) A 4,4'-DDD	6.715	5.798	1939515	2127878	1.080	0.996
17) MA 4,4'-DDT	7.028	6.047	166.1E6	242.8E6	90.238	104.948
18) B Endrin al...	6.928	6.122	2005686	3161374	1.151	1.549 #
20) A Methoxychlor	7.504	6.621	208.5E6	290.8E6	212.393	232.546
21) B Endrin ke...	7.647	6.848	4407751	5082197	2.006	1.835m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

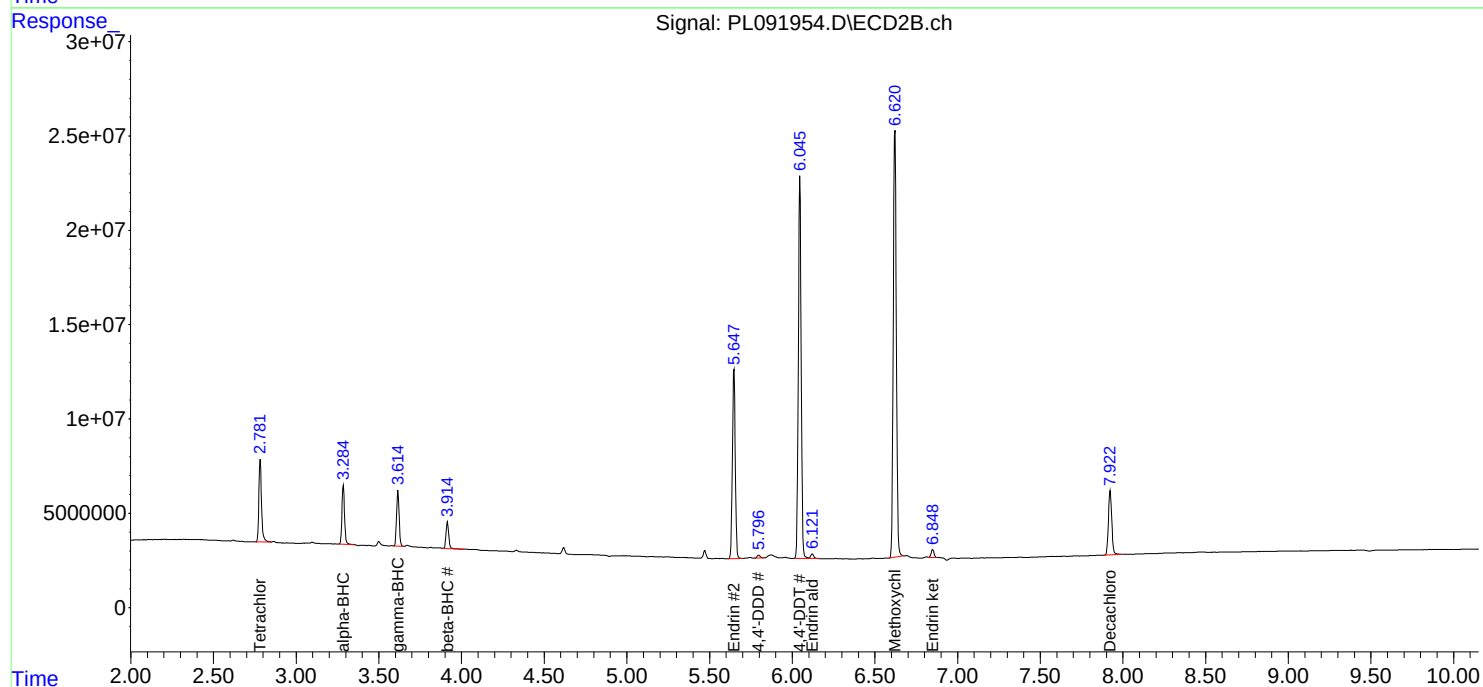
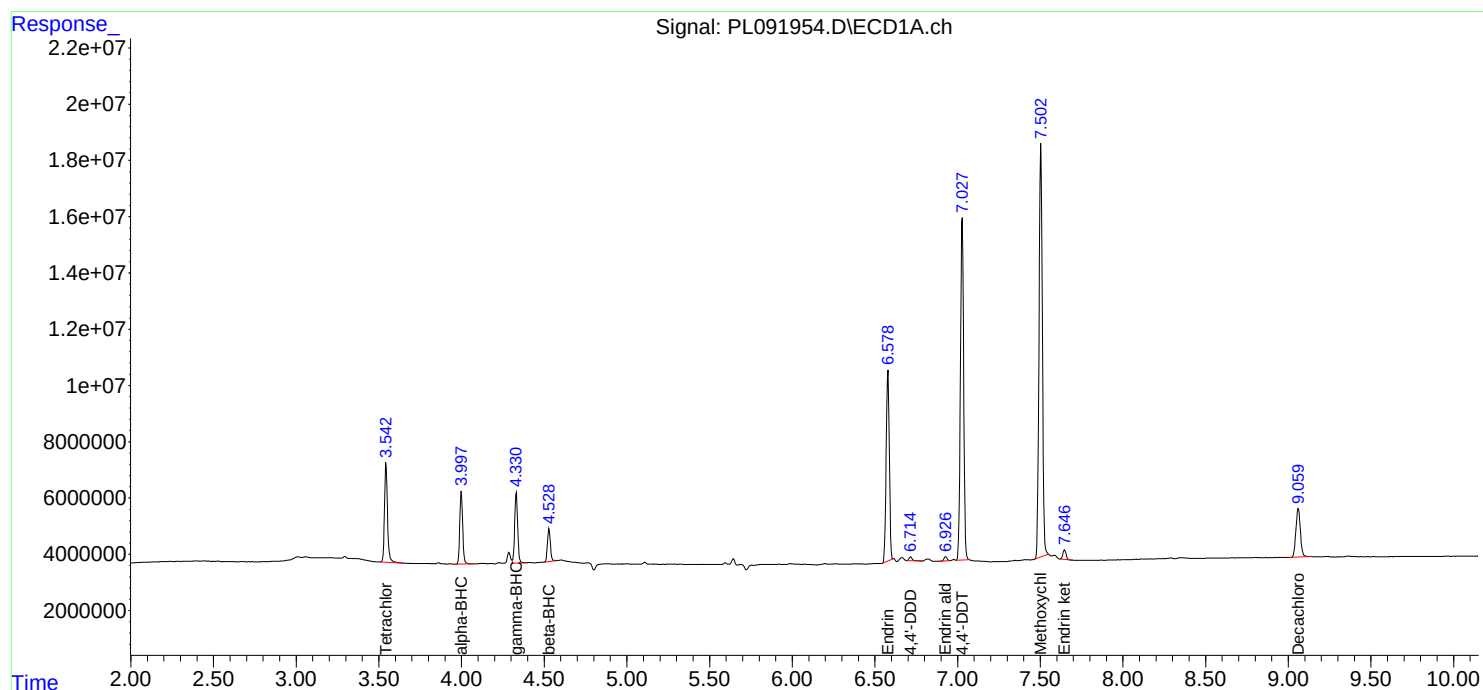
Instrument :
ECD_L
ClientSampleId :
PEM

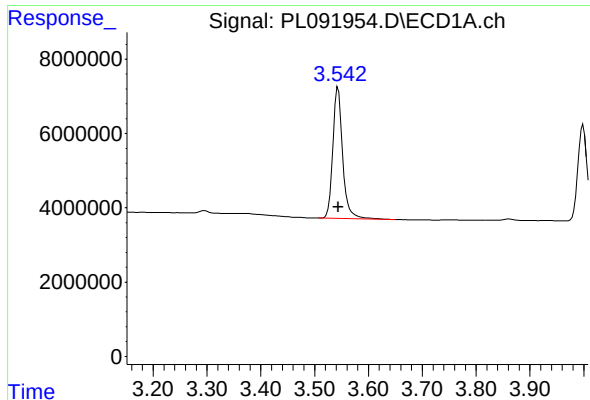
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/24/2024
Supervised By : Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





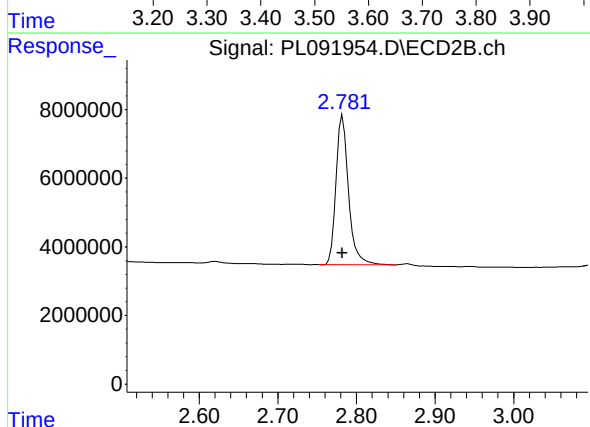
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 44655553
Conc: 20.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

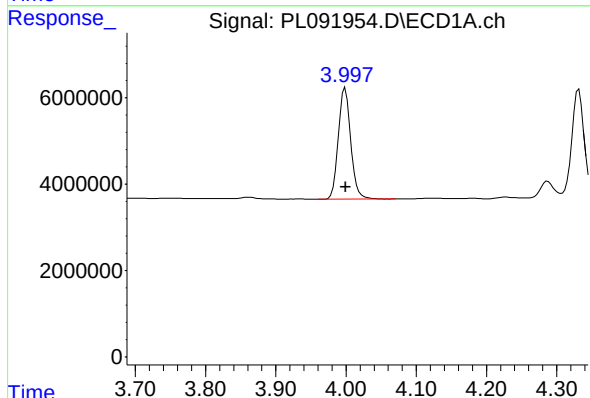
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



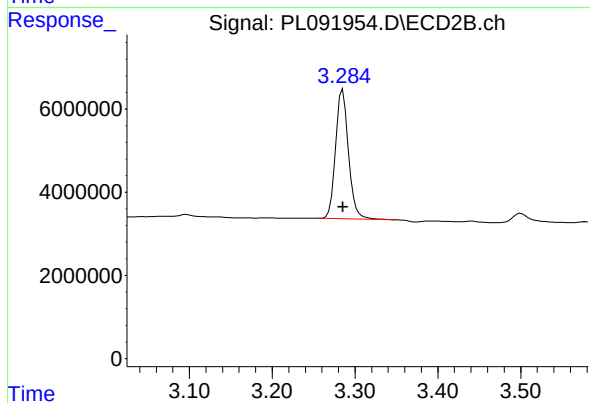
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 48372105
Conc: 19.29 ng/ml



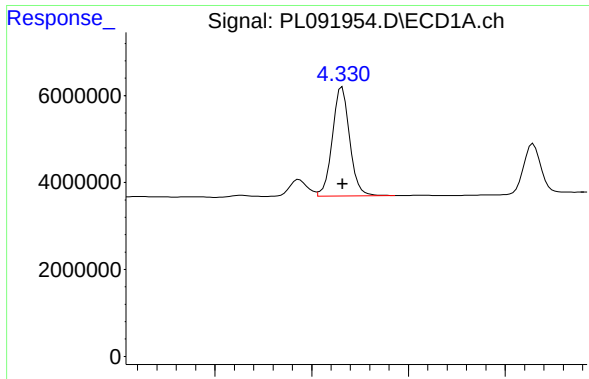
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 31525485
Conc: 10.18 ng/ml



#2 alpha-BHC

R.T.: 3.285 min
Delta R.T.: 0.000 min
Response: 33598423
Conc: 9.22 ng/ml



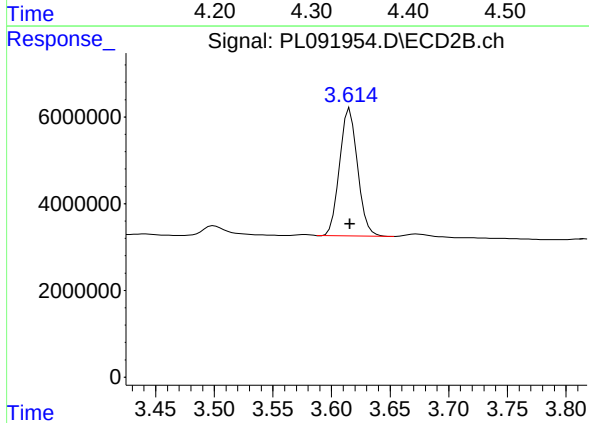
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 31299814
Conc: 10.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

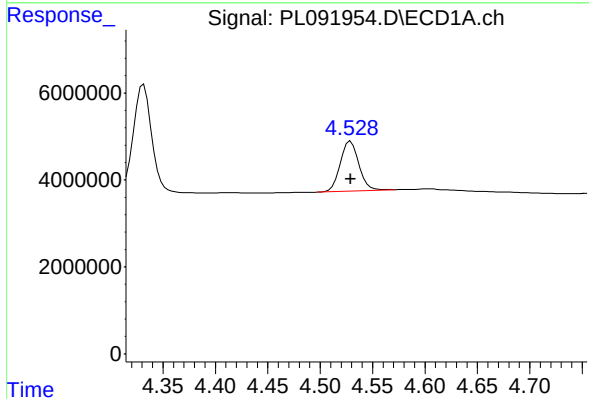
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



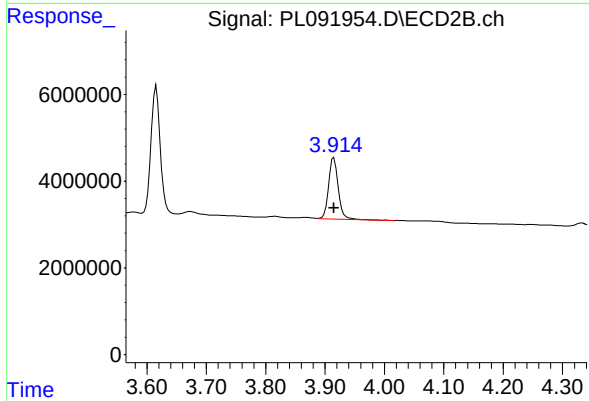
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 31345350
Conc: 8.88 ng/ml



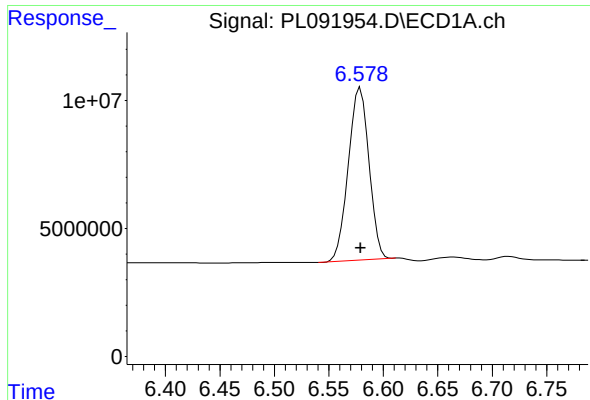
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 14260072
Conc: 10.75 ng/ml



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 15849227
Conc: 10.54 ng/ml



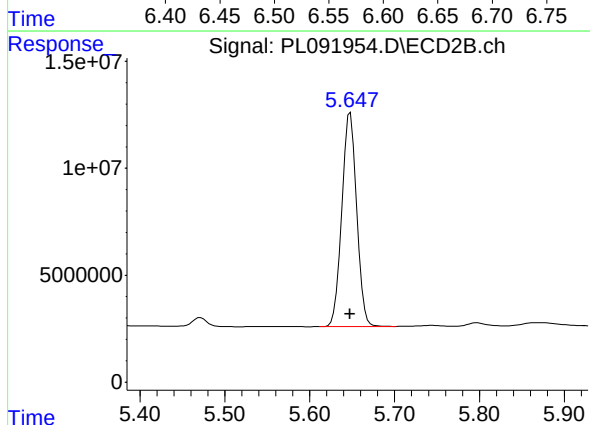
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 89210787
Conc: 43.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

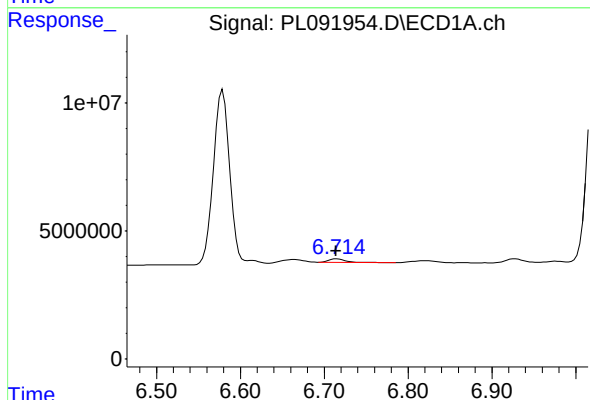
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



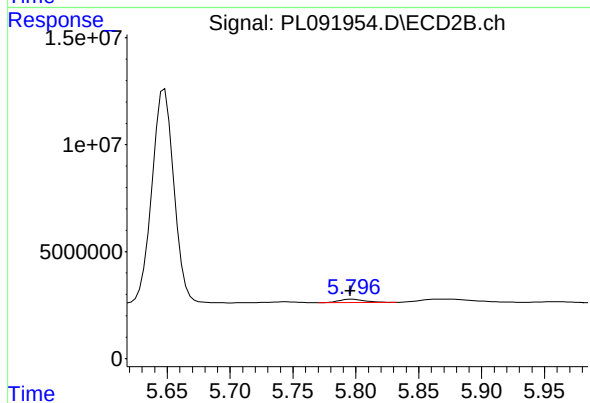
#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 121797718
Conc: 46.45 ng/ml



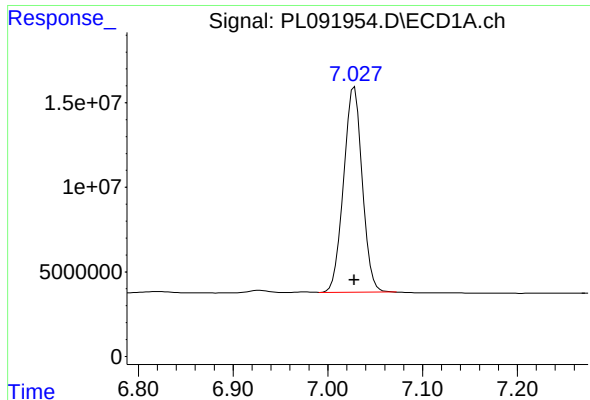
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.001 min
Response: 1939515
Conc: 1.08 ng/ml



#16 4,4'-DDD

R.T.: 5.798 min
Delta R.T.: 0.002 min
Response: 2127878
Conc: 1.00 ng/ml



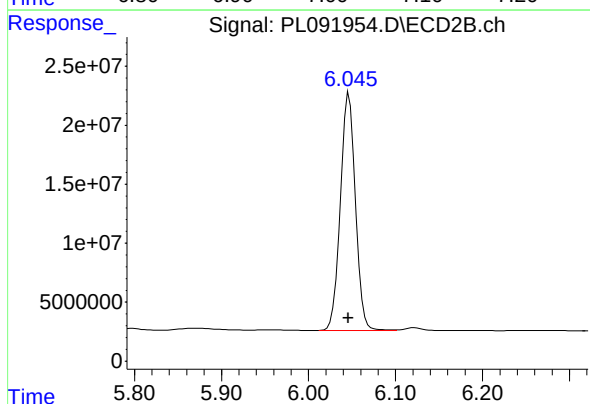
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.000 min
Response: 166145729
Conc: 90.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

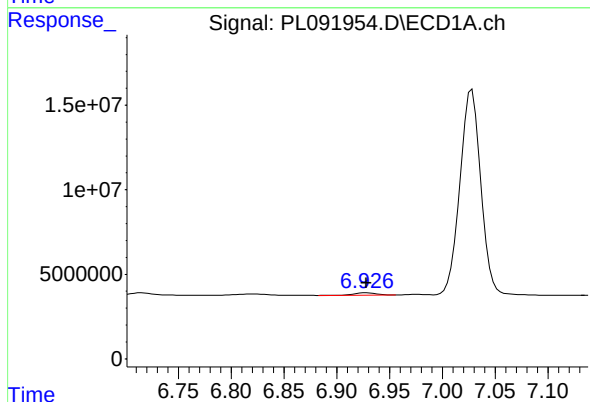
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



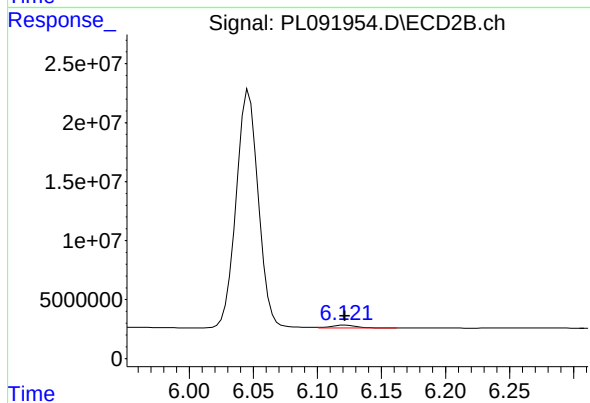
#17 4,4'-DDT

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 242762784
Conc: 104.95 ng/ml



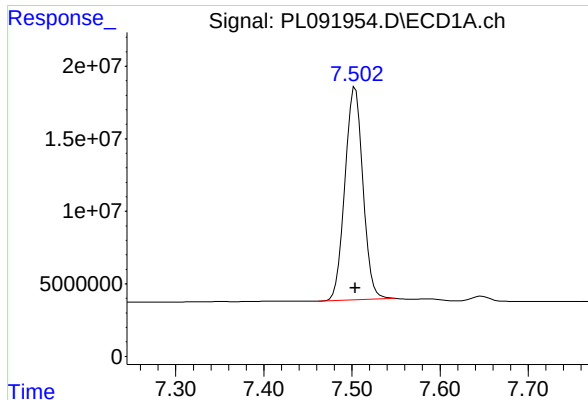
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 2005686
Conc: 1.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 3161374
Conc: 1.55 ng/ml



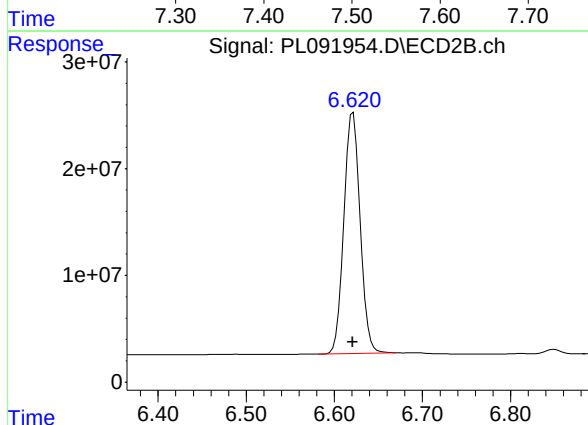
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 208508839
Conc: 212.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

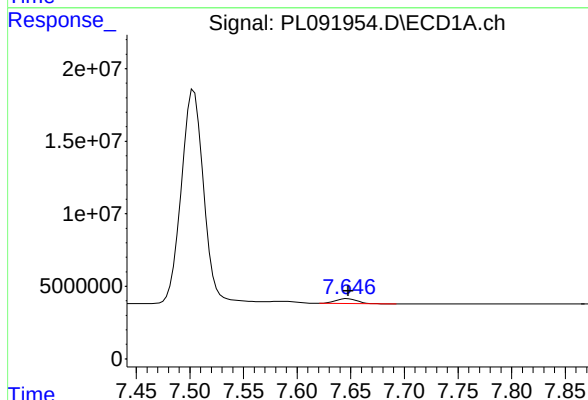
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



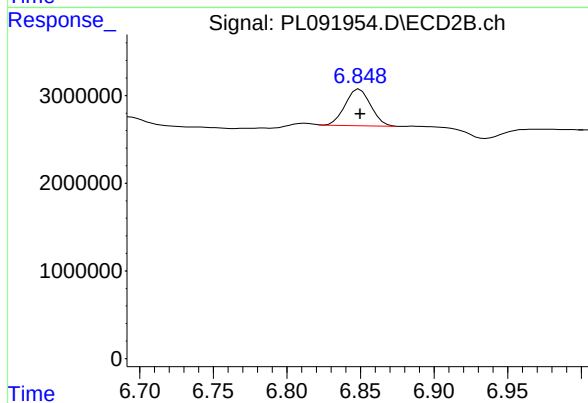
#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 290763828
Conc: 232.55 ng/ml



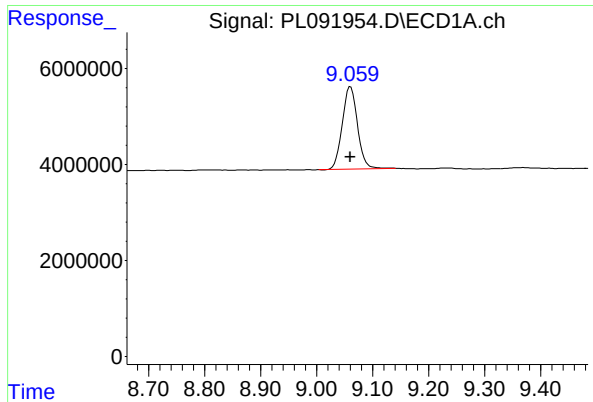
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 4407751
Conc: 2.01 ng/ml



#21 Endrin ketone

R.T.: 6.848 min
Delta R.T.: -0.002 min
Response: 5082197
Conc: 1.84 ng/ml m



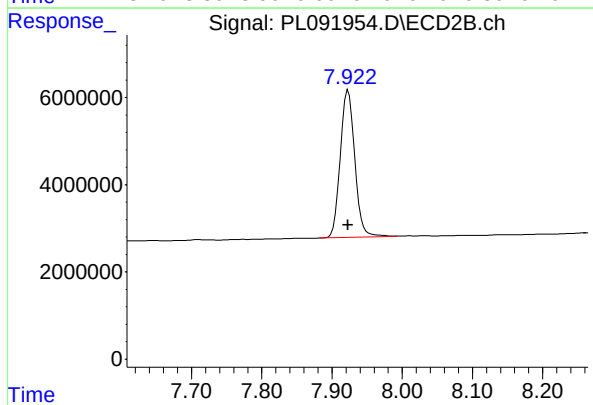
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 32491916
Conc: 19.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 48400108
Conc: 19.35 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091992.D Date Analyzed: 09/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:41

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.060	8.960	9.160	20.860	20.000	4.3
Tetrachloro-m-xylene	3.544	3.490	3.590	20.890	20.000	4.5
alpha-BHC	4.000	3.950	4.050	10.660	10.000	6.6
beta-BHC	4.529	4.480	4.580	11.130	10.000	11.3
gamma-BHC (Lindane)	4.332	4.280	4.380	10.540	10.000	5.4
Endrin	6.580	6.510	6.650	43.810	50.000	-12.4
4,4'-DDT	7.029	6.960	7.100	92.820	100.000	-7.2
Methoxychlor	7.504	7.430	7.570	220.280	250.000	-11.9

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091992.D Date Analyzed: 09/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:41

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.923	7.820	8.020	19.930	20.000	-0.4
Tetrachloro-m-xylene	2.783	2.730	2.830	20.440	20.000	2.2
alpha-BHC	3.286	3.240	3.340	9.690	10.000	-3.1
beta-BHC	3.916	3.870	3.970	10.880	10.000	8.8
gamma-BHC (Lindane)	3.616	3.570	3.670	9.320	10.000	-6.8
Endrin	5.648	5.580	5.720	47.520	50.000	-5.0
4,4'-DDT	6.046	5.980	6.120	107.330	100.000	7.3
Methoxychlor	6.622	6.550	6.690	238.680	250.000	-4.5

p
PEM

Data File Name PL091992.D

Operator AR\AJ

Date Acquired

9/24/2024 9:41

DDT BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	170907397.8	174445023.6	3537625.779	2.03
4,4'-DDE	7.56	309647.729			
4,4'-DDD	8.14	3227978.05			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	248269696	252136300.5	3866604.51	1.53
4,4'-DDE #2	8.49	520347.267			
4,4'-DDD #2	9.03	3346257.243			

ENDRIN BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	6.58	90281587.86	98180732.19	7899144.323	8.05
Endrin aldehyde	6.93	2434227.761			
Endrin ketone	7.65	5464916.562			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	5.65	124613560.8	135260187.3	10646626.44	7.87
Endrin aldehyde #2	6.12	3503829.777			
Endrin ketone #2	6.85	7142796.668			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
 Data File : PL091992.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 09:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:16:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.783	46480126	51259907	20.893	20.438
28)	SA Decachlor...	9.060	7.923	34175069	49861099	20.861	19.929
Target Compounds							
2)	A alpha-BHC	4.000	3.286	33017123	35295762	10.663	9.688
3)	MA gamma-BHC...	4.332	3.616	32653851	32913901	10.538	9.321
6)	B beta-BHC	4.529	3.916	14765746	16359837	11.132	10.884
12)	B 4,4'-DDE	6.196	5.241	309648	520347	0.143m	0.187m#
14)	MA Endrin	6.580	5.648	90281588	124.6E6	43.811	47.523
16)	A 4,4'-DDD	6.715	5.797	3227978	3346257	1.798	1.566
17)	MA 4,4'-DDT	7.029	6.046	170.9E6	248.3E6	92.824	107.329
18)	B Endrin al...	6.929	6.122	2434228	3503830	1.397	1.717
20)	A Methoxychlor	7.504	6.622	216.3E6	298.4E6	220.283	238.677
21)	B Endrin ke...	7.648	6.849	5464917	7142797	2.487	2.580m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

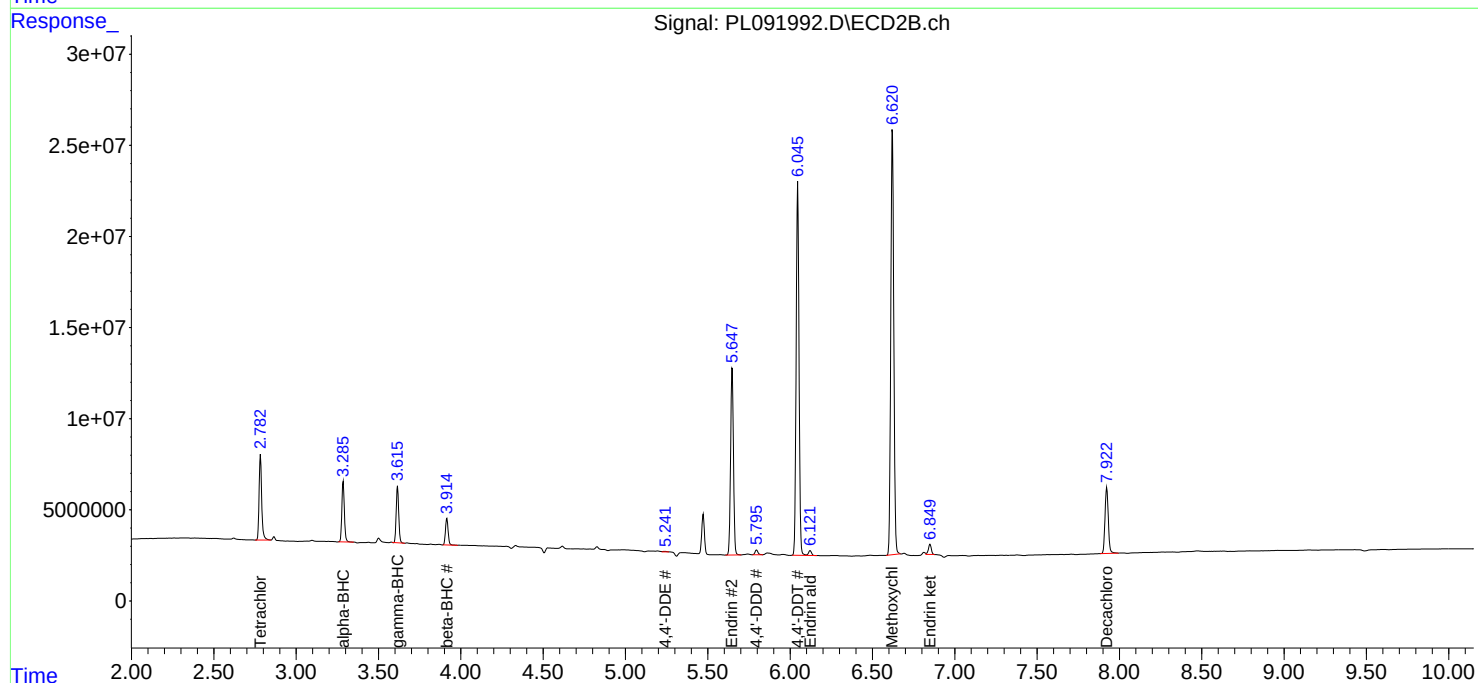
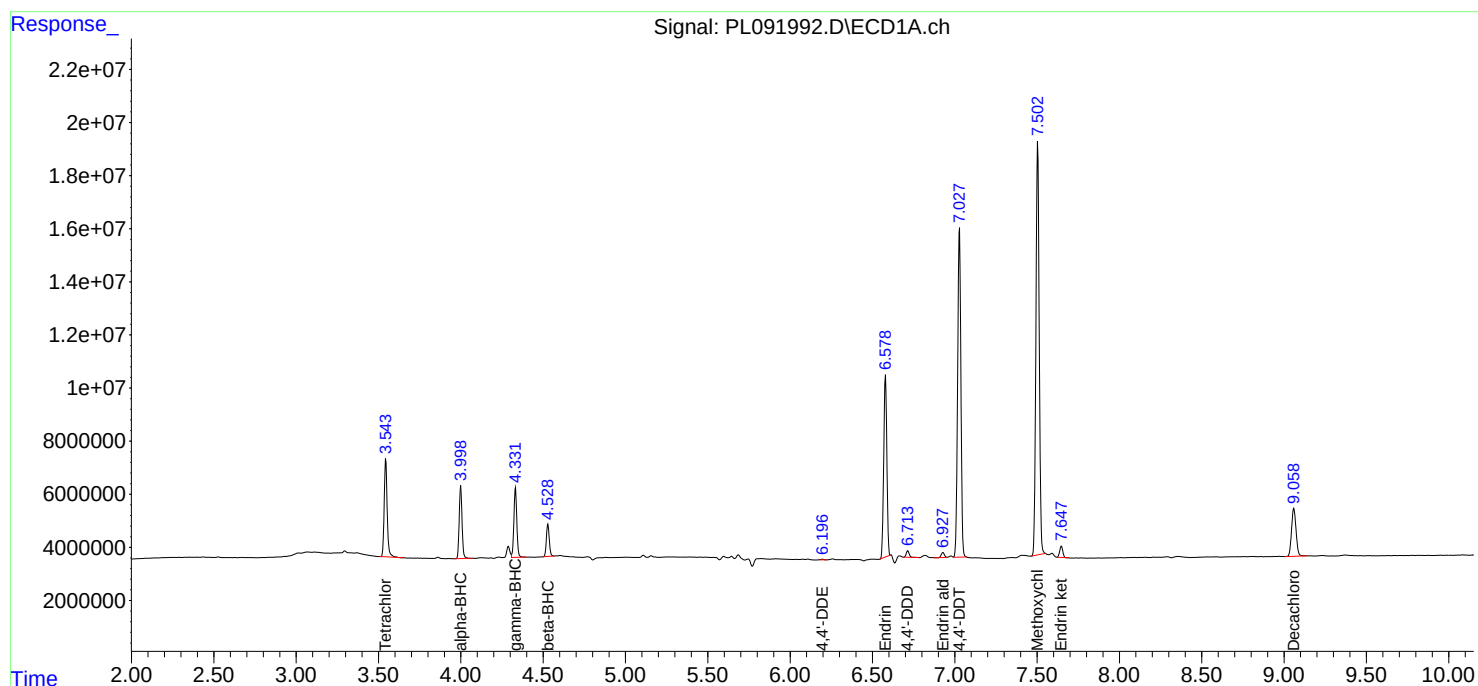
Instrument :
ECD_L
ClientSampleId :
PEM

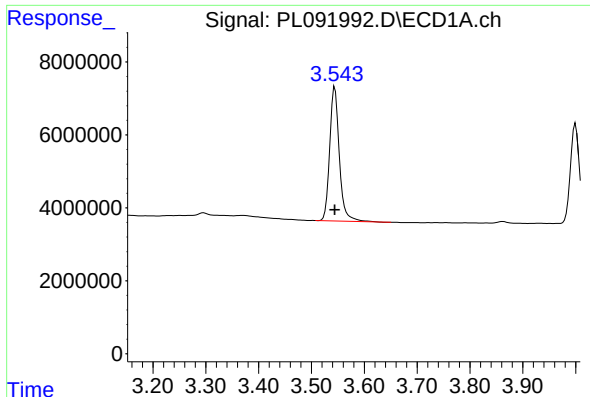
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/25/2024
Supervised By : Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:16:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





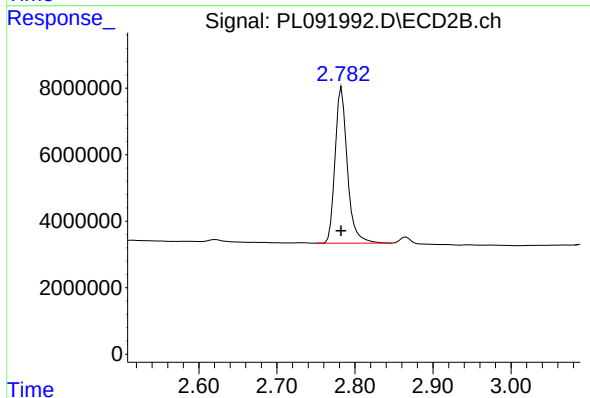
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 46480126
Conc: 20.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

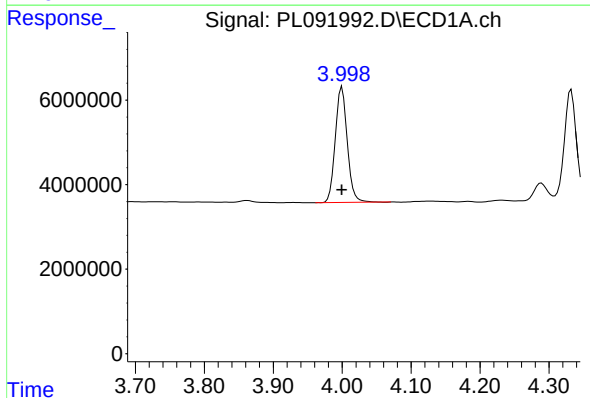
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



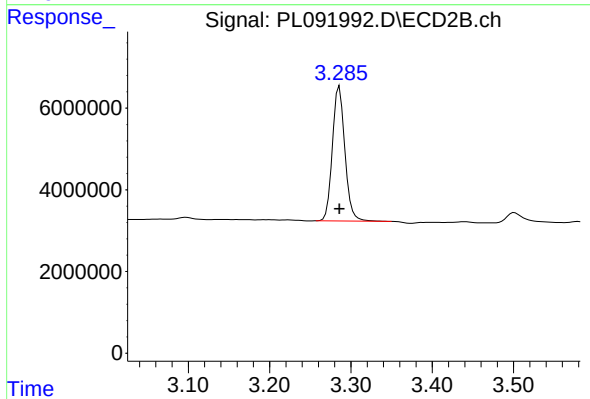
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 51259907
Conc: 20.44 ng/ml



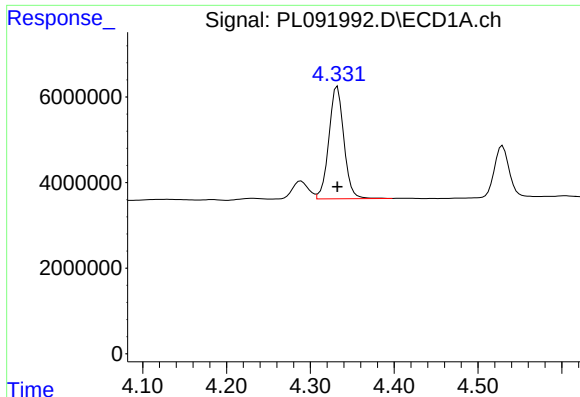
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 33017123
Conc: 10.66 ng/ml



#2 alpha-BHC

R.T.: 3.286 min
Delta R.T.: 0.000 min
Response: 35295762
Conc: 9.69 ng/ml



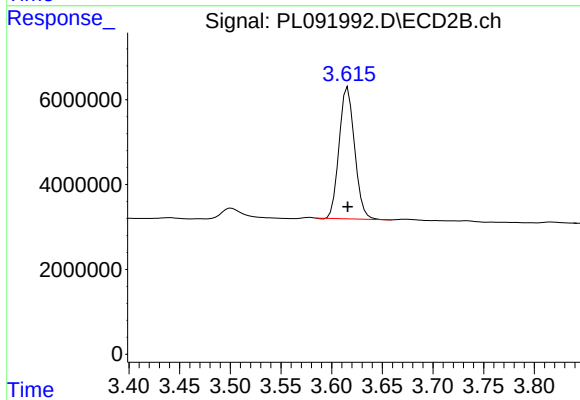
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 32653851
Conc: 10.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

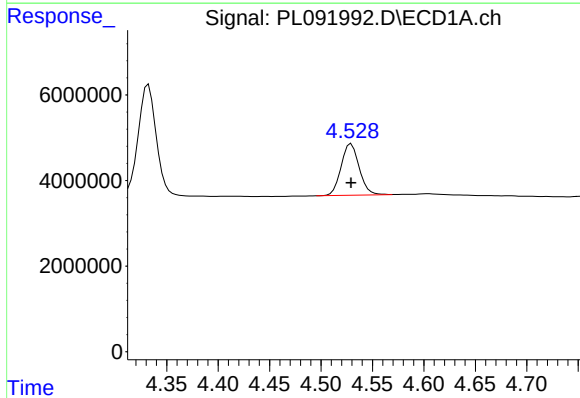
Manual Integrations
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Supervised By :Ankita Jodhani 09/25/2024



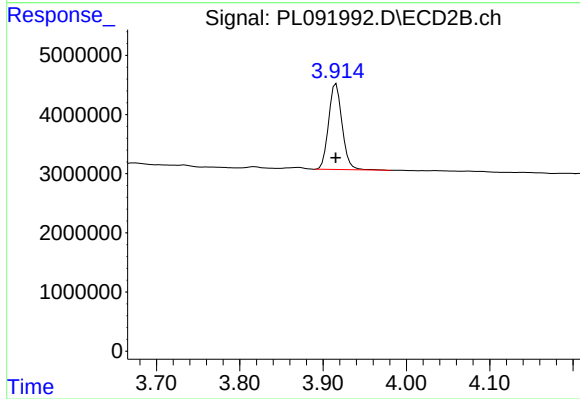
#3 gamma-BHC (Lindane)

R.T.: 3.616 min
Delta R.T.: 0.000 min
Response: 32913901
Conc: 9.32 ng/ml



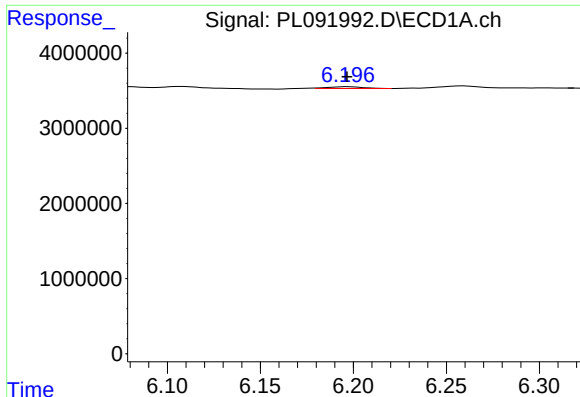
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 14765746
Conc: 11.13 ng/ml



#6 beta-BHC

R.T.: 3.916 min
Delta R.T.: 0.000 min
Response: 16359837
Conc: 10.88 ng/ml



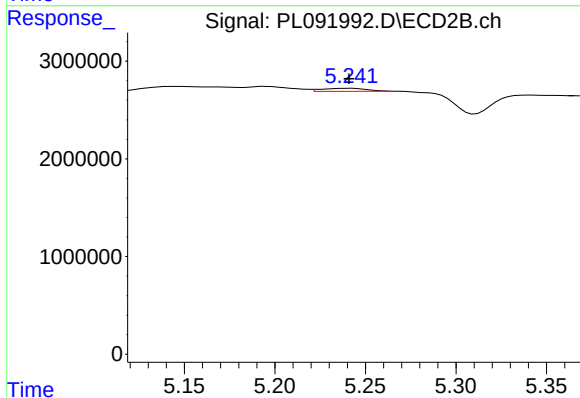
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: -0.001 min
Response: 309648
Conc: 0.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

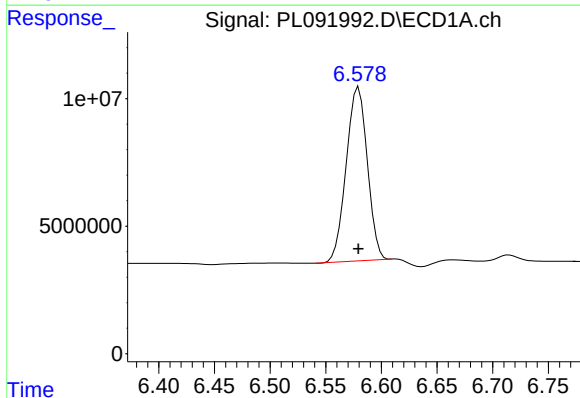
Manual Integrations
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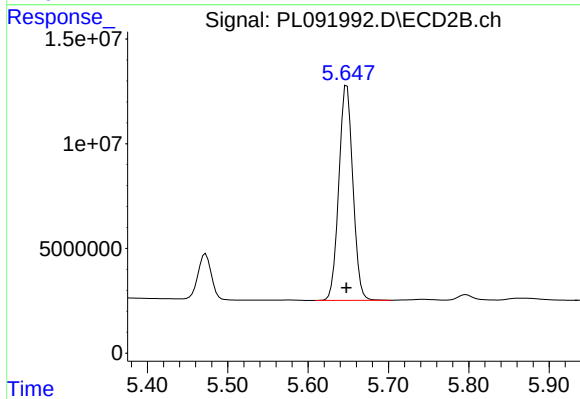
#12 4,4'-DDE

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 520347
Conc: 0.19 ng/ml m



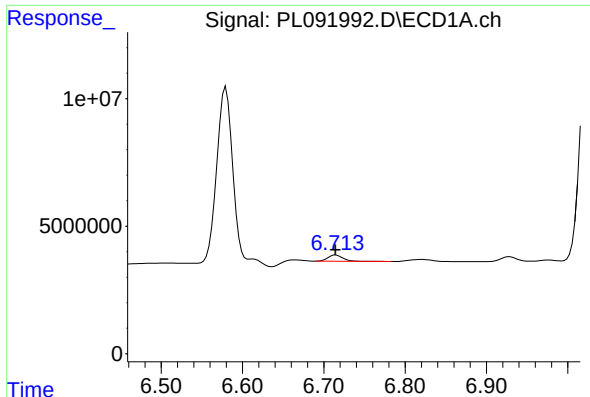
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 90281588
Conc: 43.81 ng/ml



#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 124613561
Conc: 47.52 ng/ml



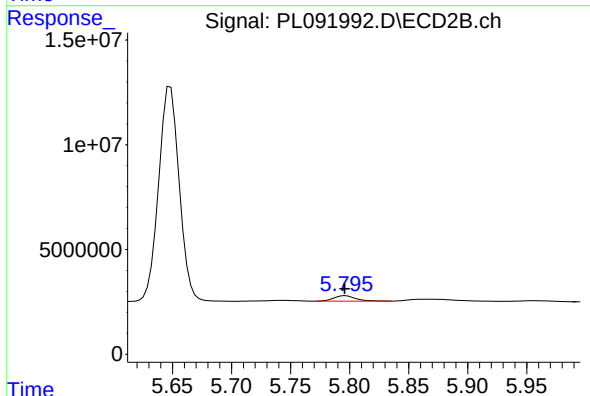
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 3227978
Conc: 1.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

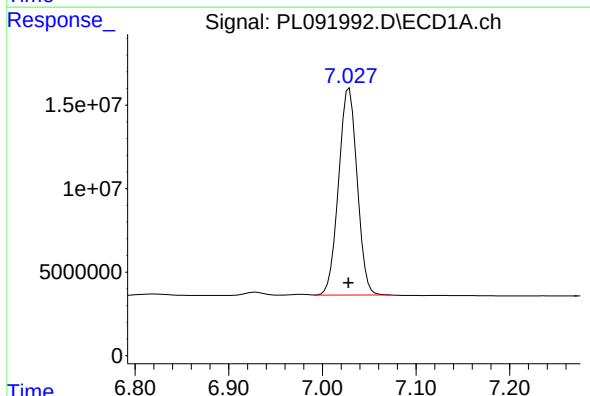
Manual Integrations
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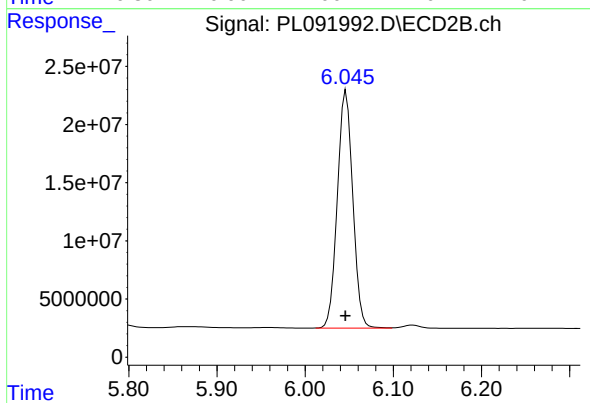
#16 4,4'-DDD

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 3346257
Conc: 1.57 ng/ml



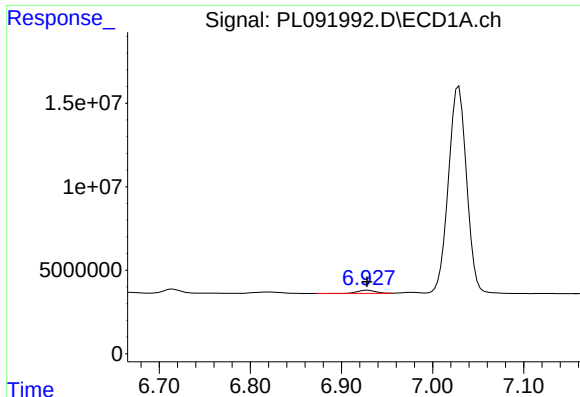
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.000 min
Response: 170907398
Conc: 92.82 ng/ml



#17 4,4'-DDT

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 248269696
Conc: 107.33 ng/ml



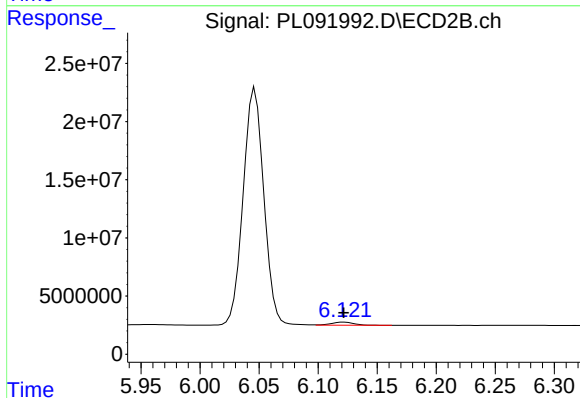
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.000 min
Response: 2434228
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

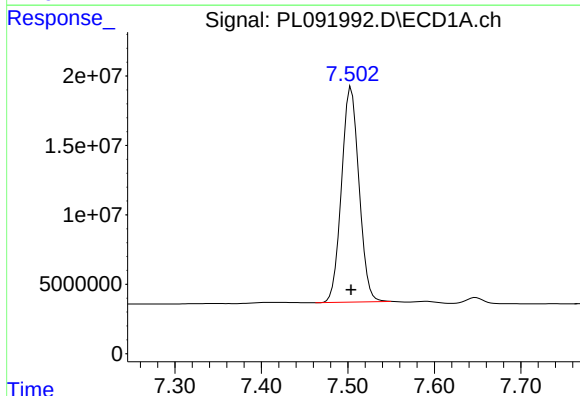
Manual Integrations
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Supervised By :Ankita Jodhani 09/25/2024



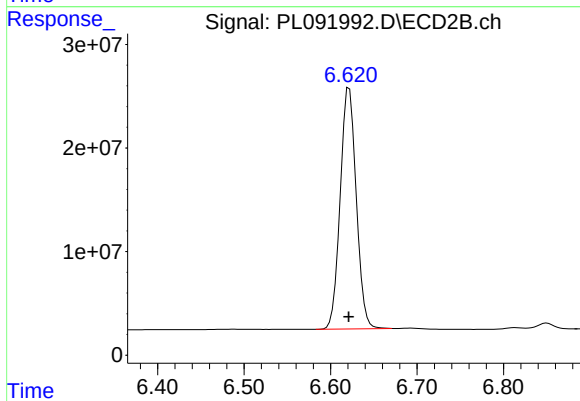
#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 3503830
Conc: 1.72 ng/ml



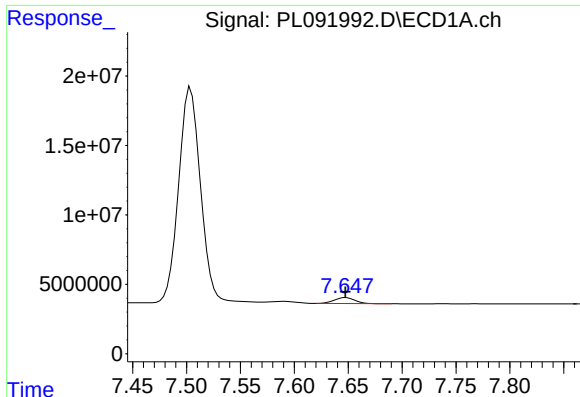
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 216254245
Conc: 220.28 ng/ml



#20 Methoxychlor

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 298429665
Conc: 238.68 ng/ml



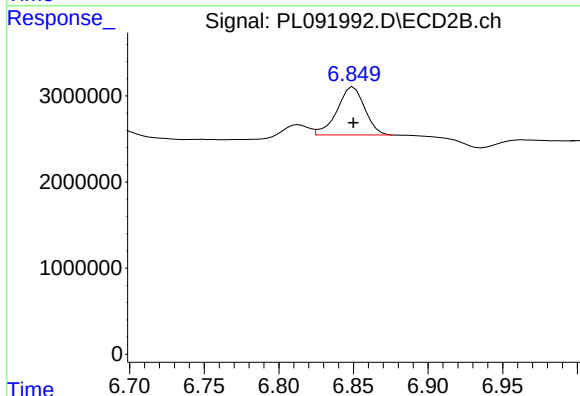
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 5464917
Conc: 2.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

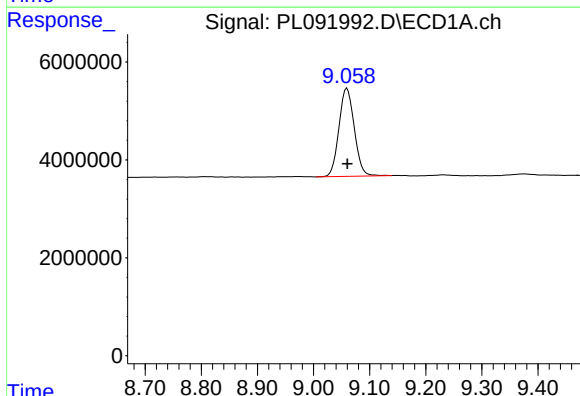
Manual Integrations
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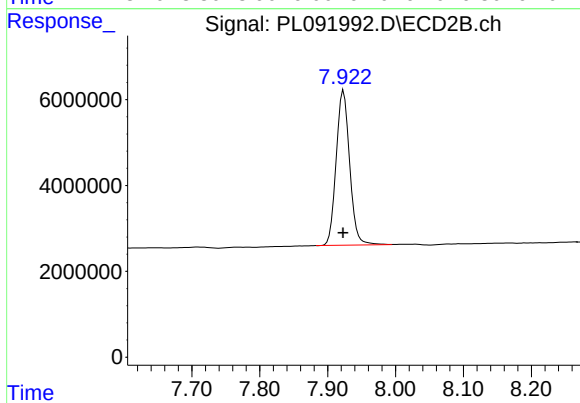
#21 Endrin ketone

R.T.: 6.849 min
Delta R.T.: -0.001 min
Response: 7142797
Conc: 2.58 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 34175069
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 49861099
Conc: 19.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091570.D
Acq On : 09 Sep 2024 15:17
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\PL090924.M
Title : GC Extractables
Last Update : Mon Sep 09 17:50:55 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.944	100.00%
5.944	6.074	100.00%
6.074	6.197	100.00%
6.197	6.349	100.00%
6.349	7.162	100.00%
7.162	7.504	100.00%
7.504	7.647	100.00%
7.647	9.060	100.00%

Signal #2

2.782	4.989	100.00%
4.989	5.109	100.00%
5.109	5.242	100.00%
5.242	5.373	100.00%
5.373	6.345	100.00%
6.345	6.622	100.00%
6.622	6.851	100.00%
6.851	7.925	100.00%

PL090924.M Mon Sep 09 18:16:09 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
 Data File : PL091570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 15:17
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 18:13:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:50:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	30851580	38048112	19.794	20.343
28) SA Decachlor...	9.060	7.925	25524178	36611918	21.002	19.827
Target Compounds						
9) A Endosulfan I	6.074	5.109	16017121	18569140	10.280	9.625
10) B gamma-Chl...	5.944	4.988	17694112	20911689	10.590	9.481m
12) B 4,4'-DDE	6.197	5.242	28735417	35669134	19.700	18.806
13) MA Dieldrin	6.349	5.373	31529286	38325149	19.322	18.646
19) B Endosulfa...	7.162	6.345	25857434	34823282	18.517	20.292
20) A Methoxychlor	7.504	6.622	63221561	84026502	93.458	94.863
21) B Endrin ke...	7.647	6.851	30003011	37209045	19.403	18.499

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:17
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

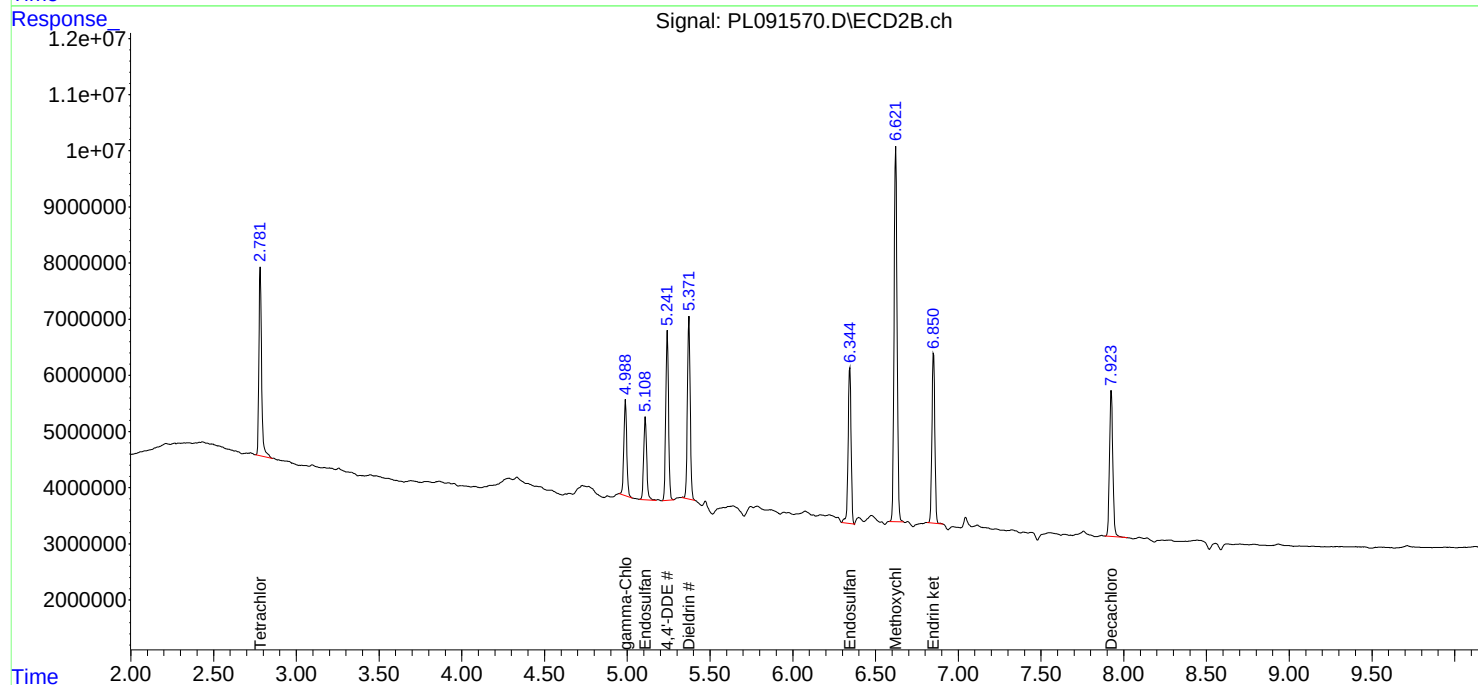
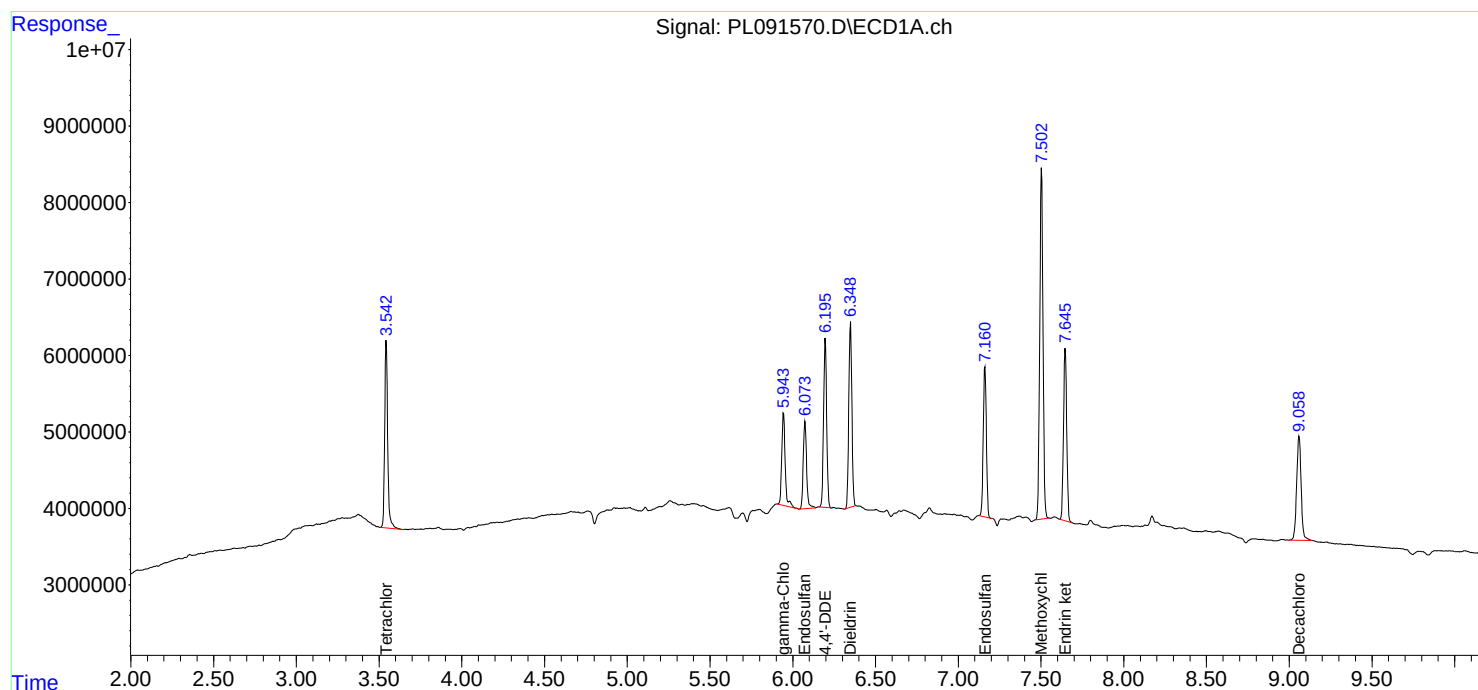
Instrument :
ECD_L
ClientSampleId :
RESCHK

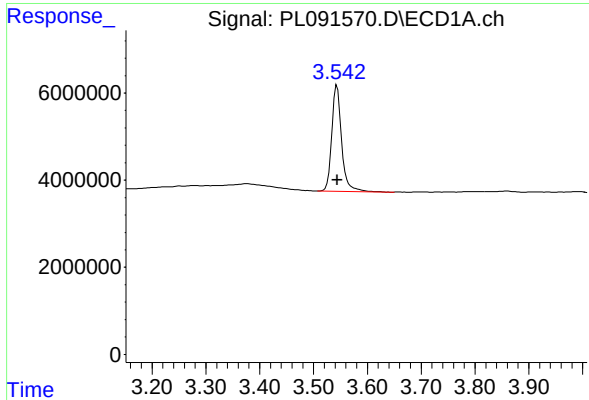
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/11/2024
Supervised By : Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:13:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





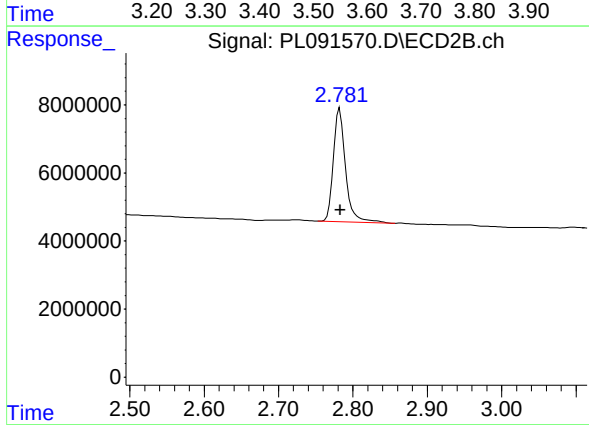
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 30851580
Conc: 19.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

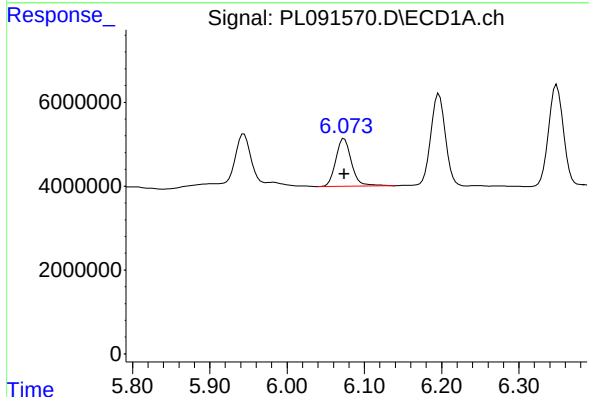
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Supervised By :Ankita Jodhani 09/11/2024



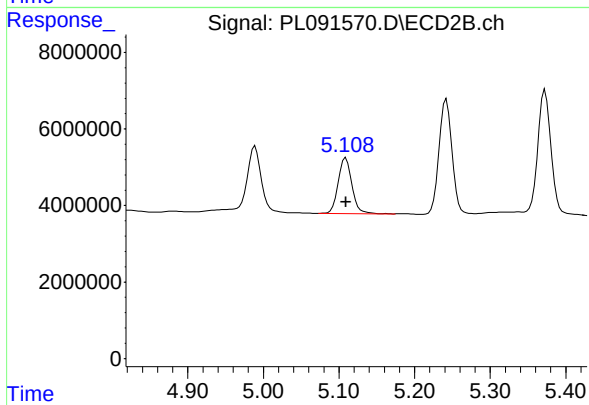
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 38048112
Conc: 20.34 ng/ml



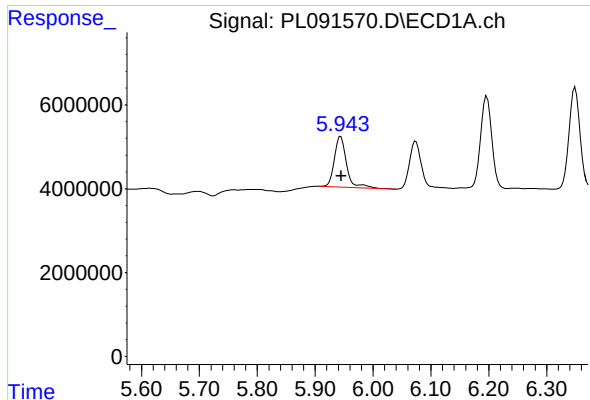
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 16017121
Conc: 10.28 ng/ml



#9 Endosulfan I

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 18569140
Conc: 9.62 ng/ml



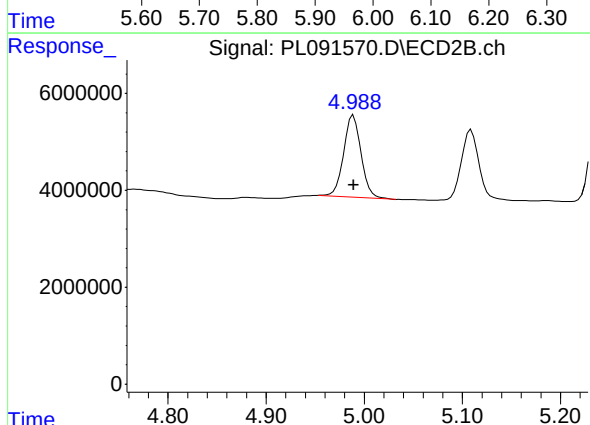
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 17694112
Conc: 10.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

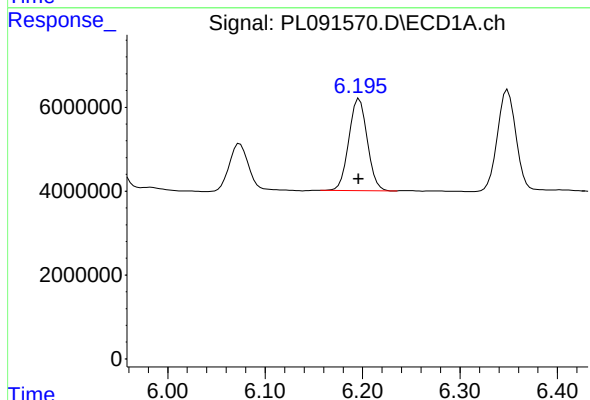
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



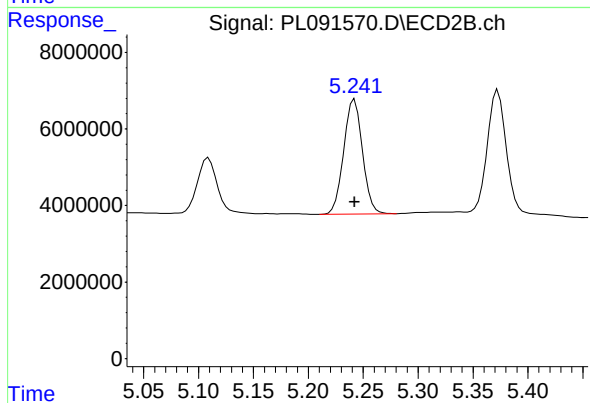
#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: -0.002 min
Response: 20911689
Conc: 9.48 ng/ml



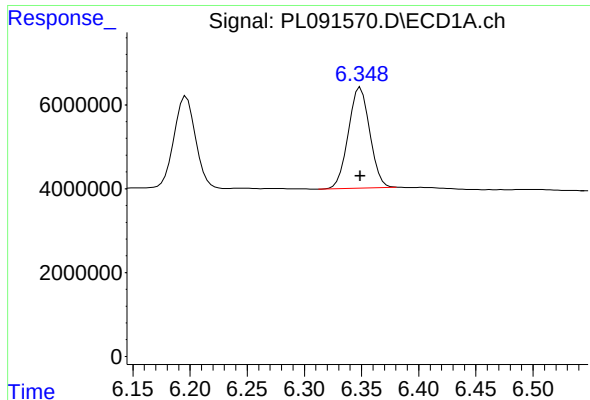
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 28735417
Conc: 19.70 ng/ml



#12 4,4'-DDE

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 35669134
Conc: 18.81 ng/ml



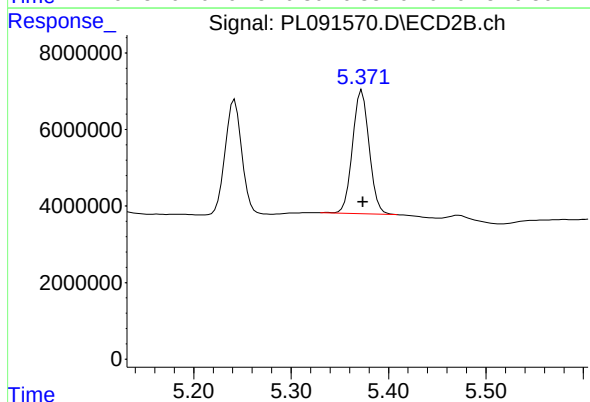
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 31529286
Conc: 19.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

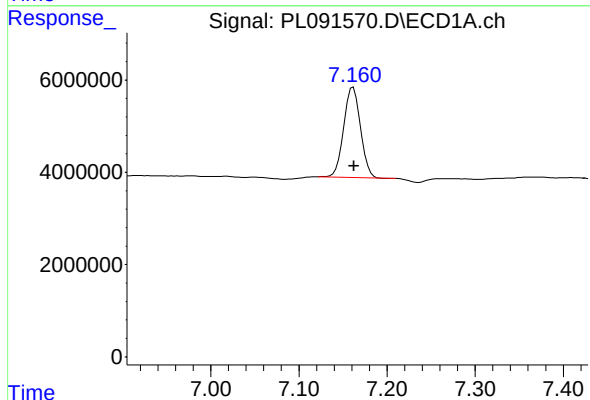
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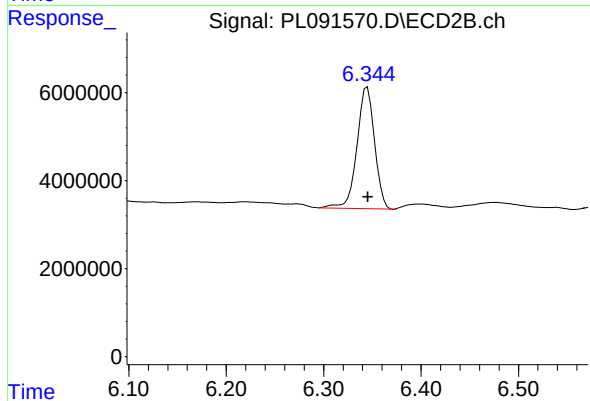
#13 Dieldrin

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 38325149
Conc: 18.65 ng/ml



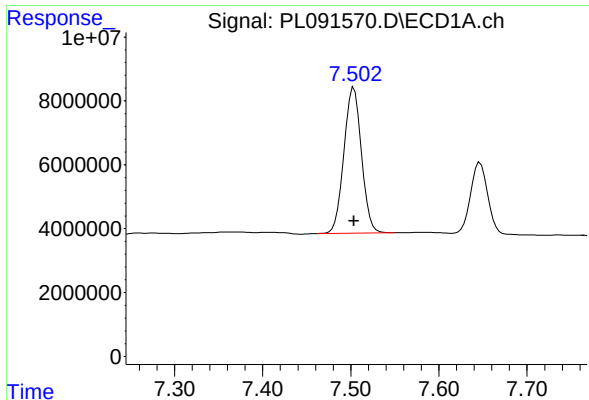
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 25857434
Conc: 18.52 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 34823282
Conc: 20.29 ng/ml



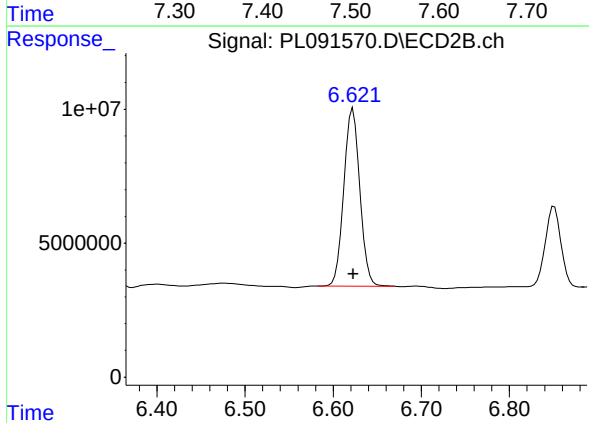
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 63221561
Conc: 93.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

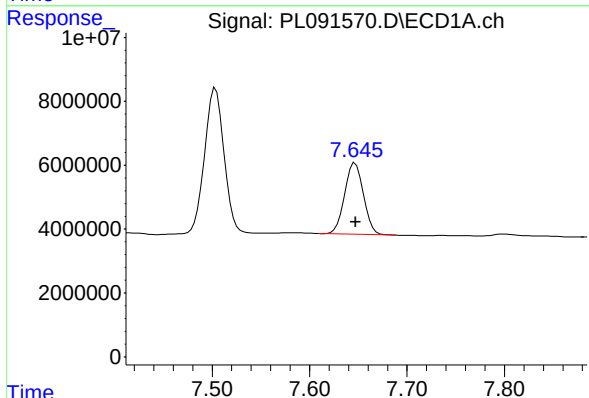
Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



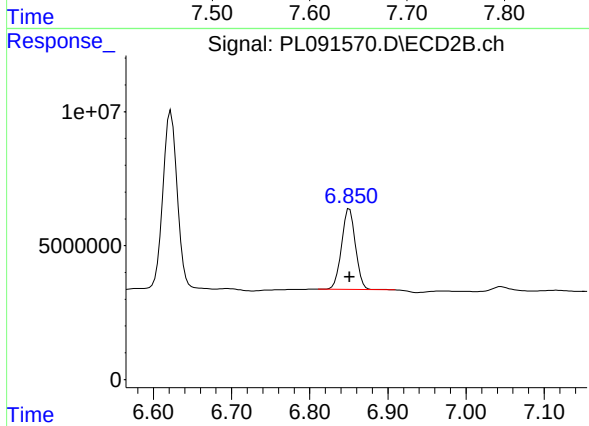
#20 Methoxychlor

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 84026502
Conc: 94.86 ng/ml



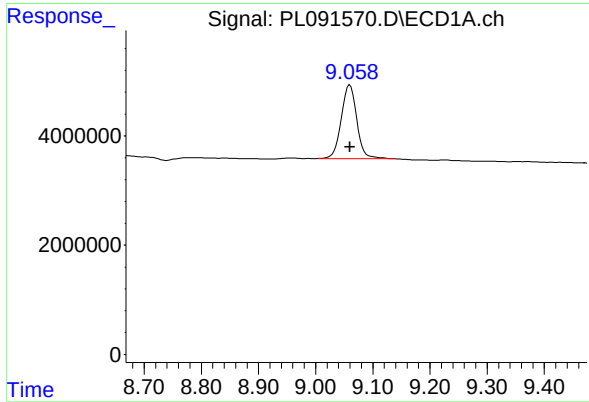
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 30003011
Conc: 19.40 ng/ml



#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 37209045
Conc: 18.50 ng/ml



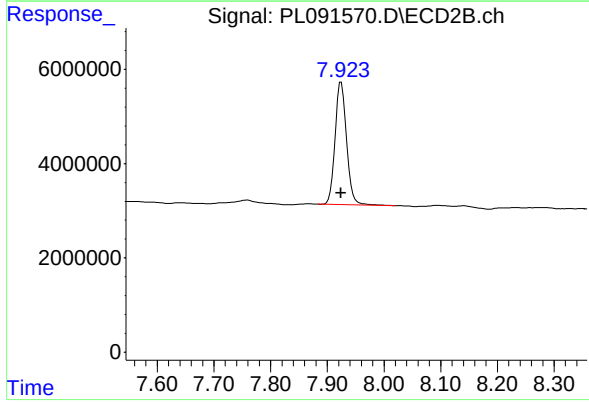
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 25524178
Conc: 21.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
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Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 36611918
Conc: 19.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091955.D
Acq On : 23 Sep 2024 11:19
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\PL092324.M
Title : GC Extractables
Last Update : Mon Sep 23 14:03:20 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.944	100.00%
5.944	6.074	100.00%
6.074	6.196	100.00%
6.196	6.349	100.00%
6.349	7.162	100.00%
7.162	7.503	100.00%
7.503	7.647	100.00%
7.647	9.060	100.00%

Signal #2

2.782	4.988	100.00%
4.988	5.108	100.00%
5.108	5.241	100.00%
5.241	5.372	100.00%
5.372	6.344	100.00%
6.344	6.621	100.00%
6.621	6.850	100.00%
6.850	7.923	100.00%

PL092324.M Mon Sep 23 14:11:43 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
 Data File : PL091955.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2024 11:19
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:09:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 14:03:20 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	45060464	48406382	20.255	19.300
28) SA Decachlor...	9.060	7.923	33098954	49691998	20.204	19.861
Target Compounds						
9) A Endosulfan I	6.074	5.108	24134272	25750637	10.432	9.382
10) B gamma-Chl...	5.944	4.988	26576974	30002831	10.755	9.972
12) B 4,4'-DDE	6.196	5.241	43461118	52985590	20.080	19.067
13) MA Dieldrin	6.349	5.372	48004708	54324325	19.683	18.529
19) B Endosulfa...	7.162	6.344	37460879	49592805	18.898	20.556
20) A Methoxychlor	7.503	6.621	89545919	118.8E6	91.214	95.016
21) B Endrin ke...	7.647	6.850	43132114	52293680	19.627	18.886

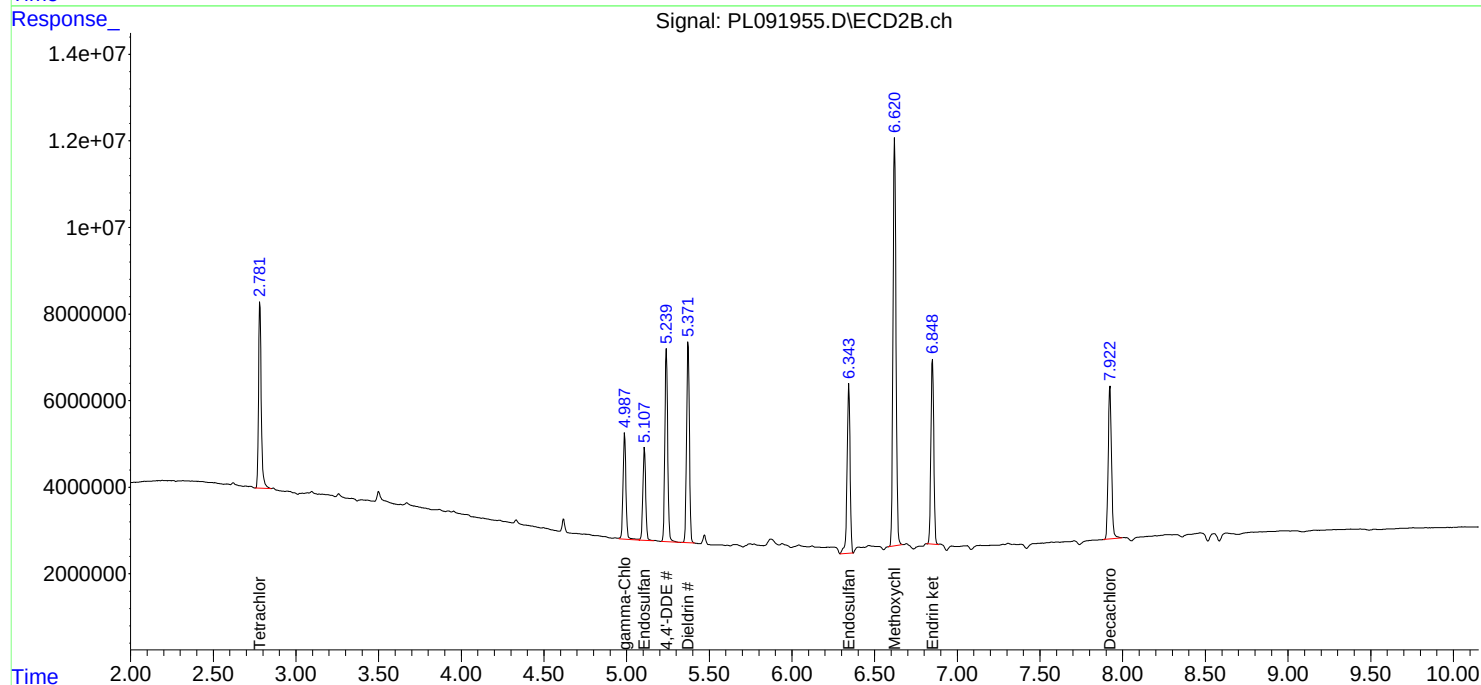
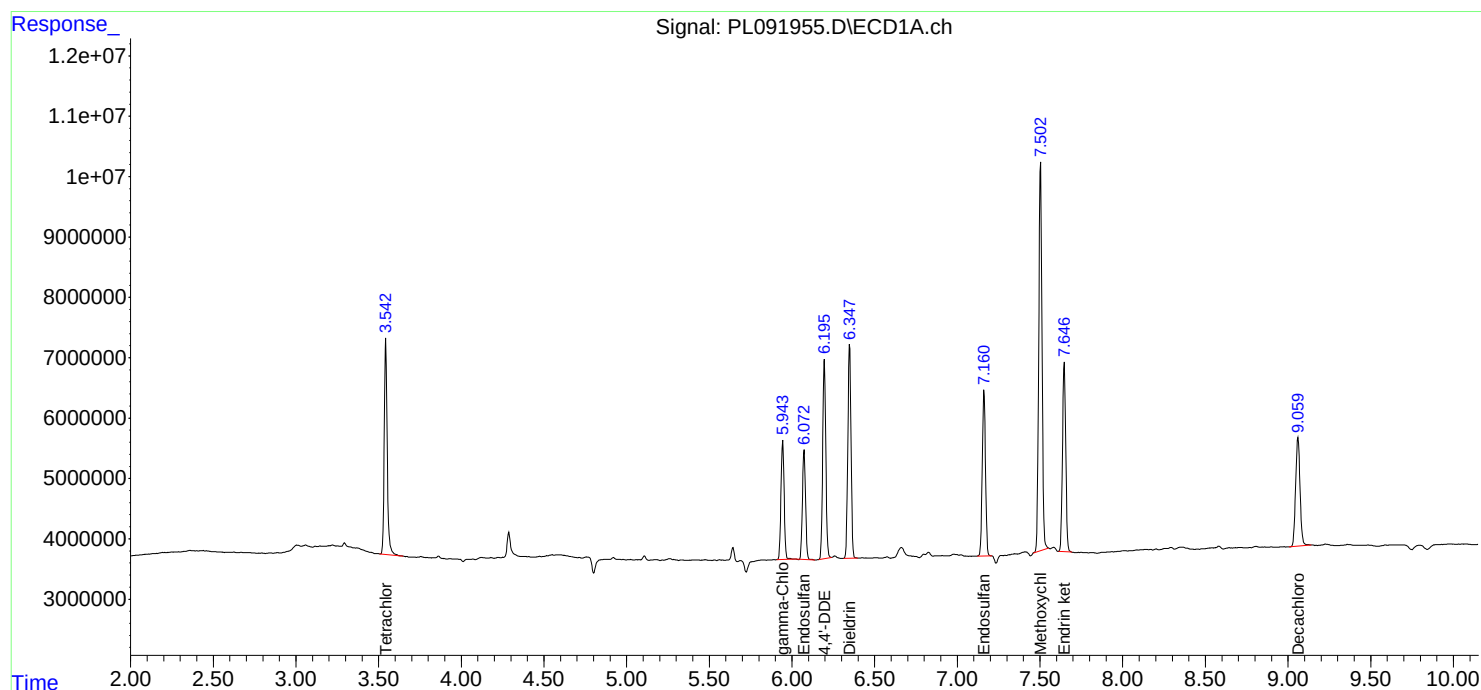
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

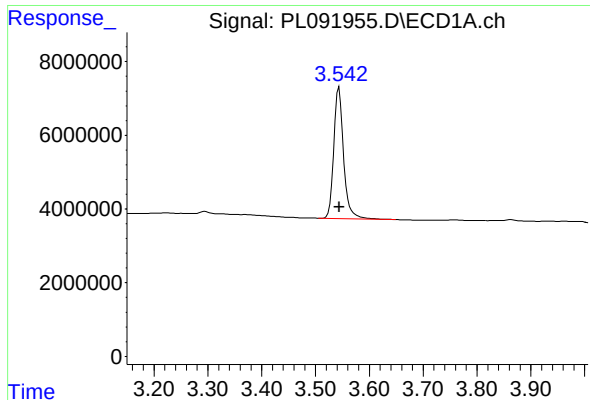
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:19
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:09:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

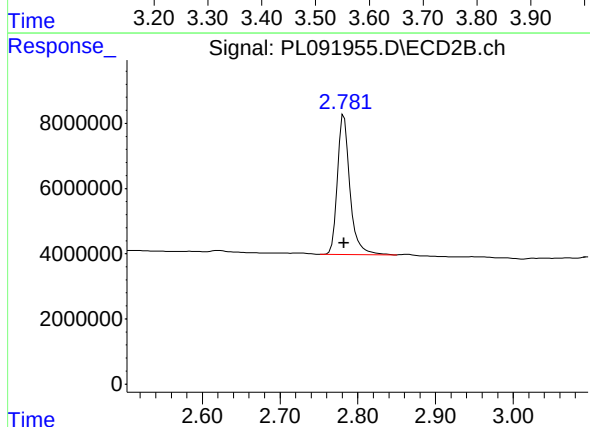




#1 Tetrachloro-m-xylene

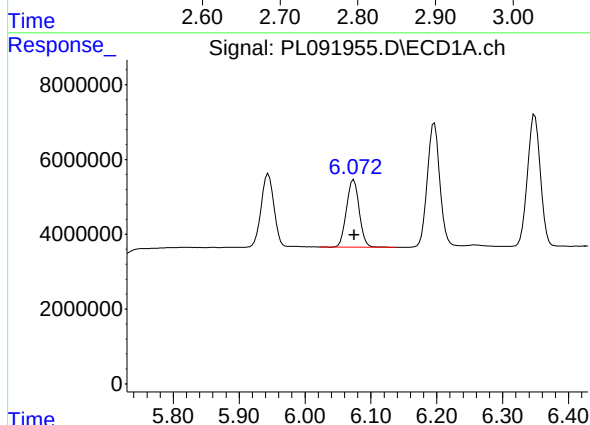
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 45060464
Conc: 20.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



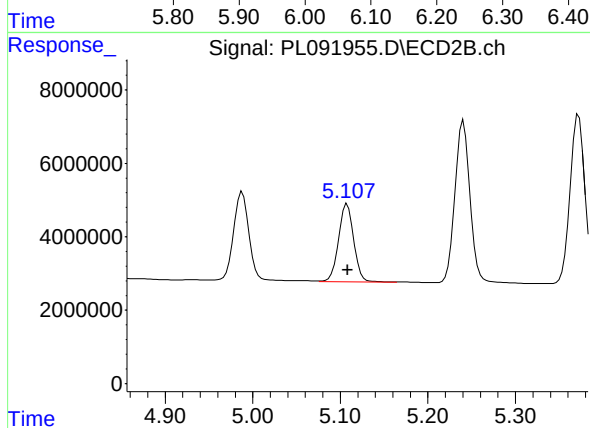
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 48406382
Conc: 19.30 ng/ml



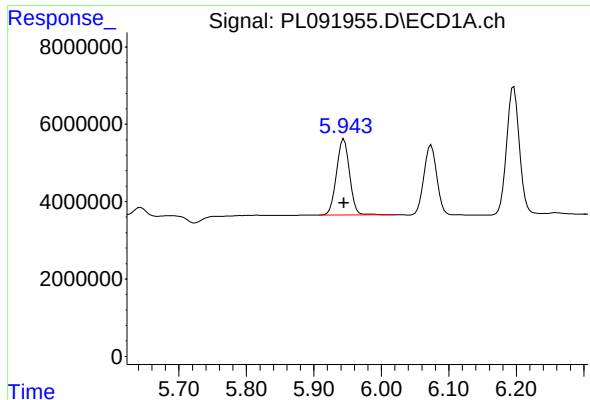
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 24134272
Conc: 10.43 ng/ml



#9 Endosulfan I

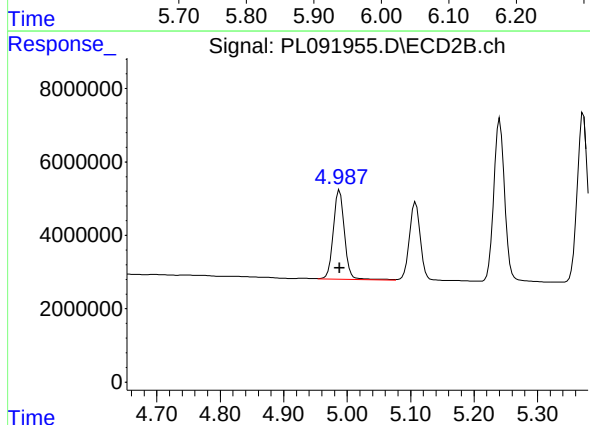
R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 25750637
Conc: 9.38 ng/ml



#10 gamma-Chlordane

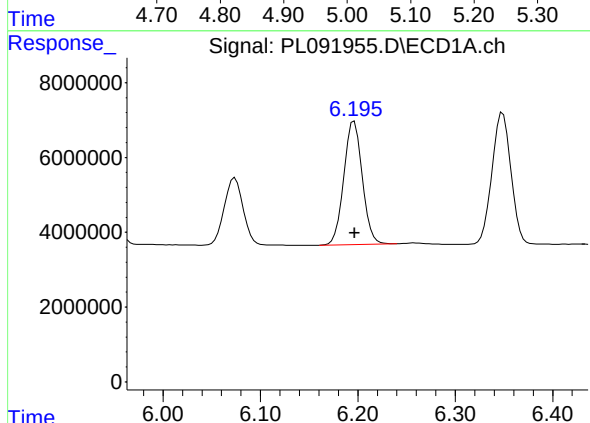
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 26576974
Conc: 10.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



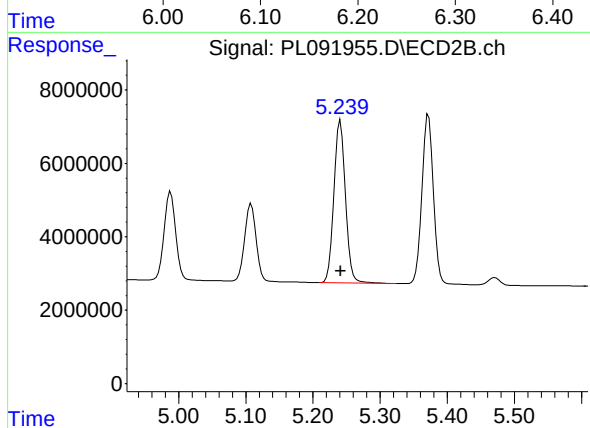
#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.000 min
Response: 30002831
Conc: 9.97 ng/ml



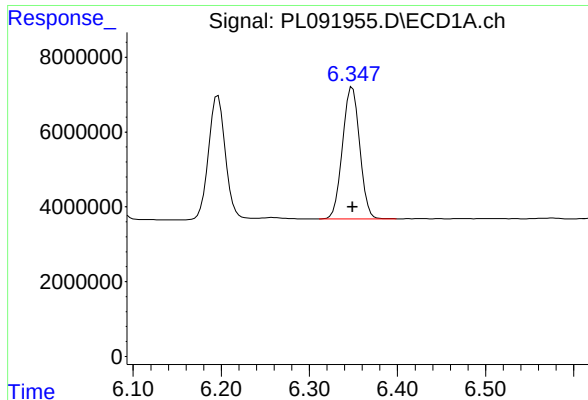
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 43461118
Conc: 20.08 ng/ml



#12 4,4'-DDE

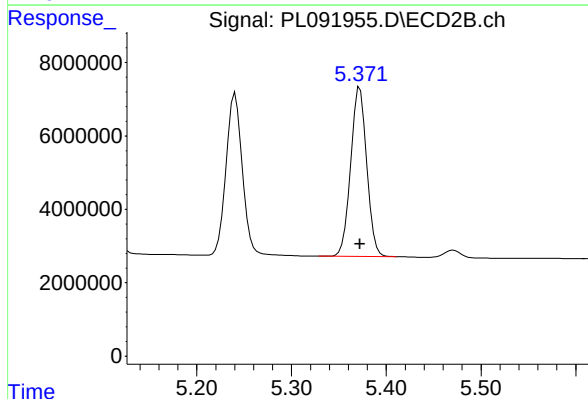
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 52985590
Conc: 19.07 ng/ml



#13 Dieldrin

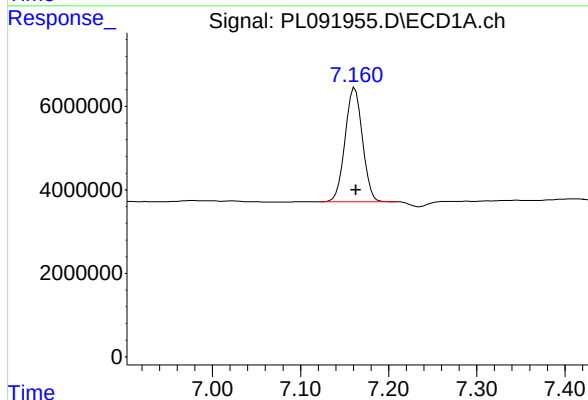
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 48004708
Conc: 19.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



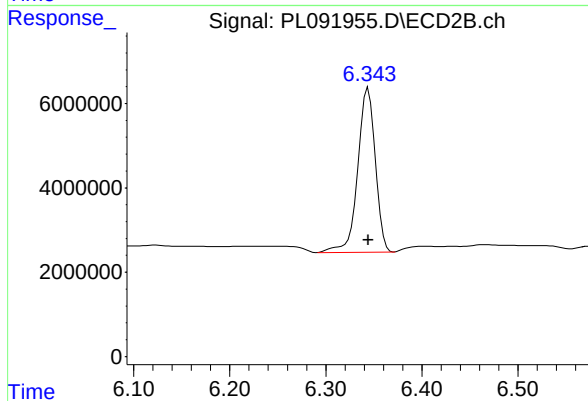
#13 Dieldrin

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 54324325
Conc: 18.53 ng/ml



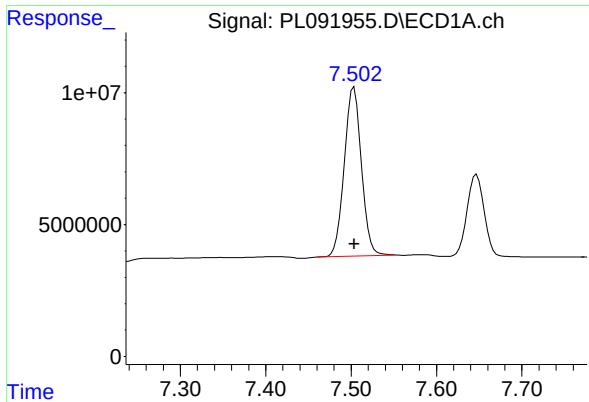
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: -0.001 min
Response: 37460879
Conc: 18.90 ng/ml



#19 Endosulfan Sulfate

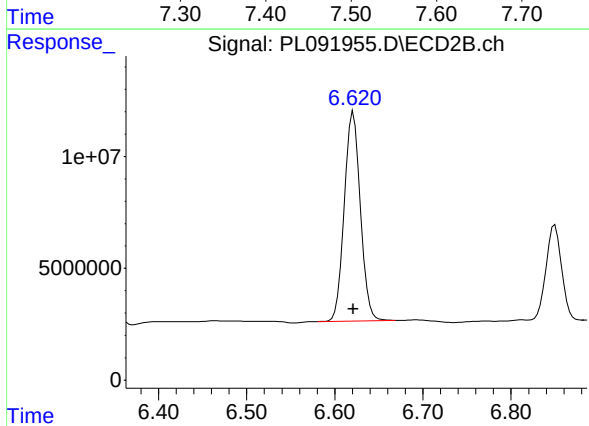
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 49592805
Conc: 20.56 ng/ml



#20 Methoxychlor

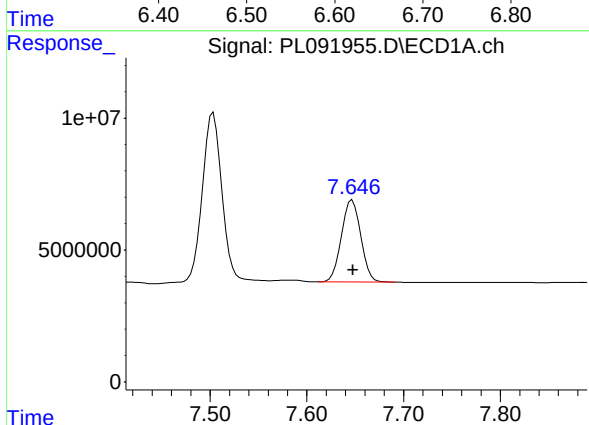
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 89545919
Conc: 91.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



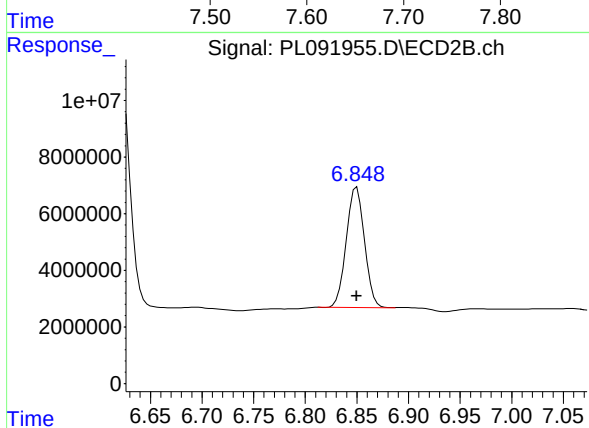
#20 Methoxychlor

R.T.: 6.621 min
Delta R.T.: 0.000 min
Response: 118802961
Conc: 95.02 ng/ml



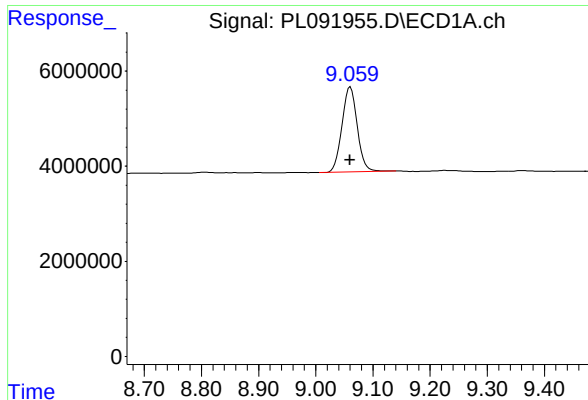
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.000 min
Response: 43132114
Conc: 19.63 ng/ml



#21 Endrin ketone

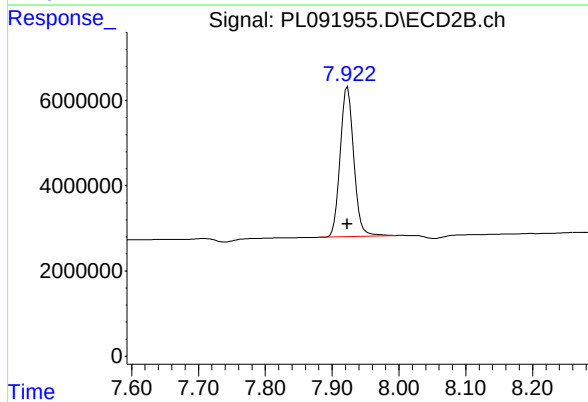
R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 52293680
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 33098954
Conc: 20.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 49691998
Conc: 19.86 ng/ml

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P3845

Project: NJ Waste Water PT

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/09/2024

09/09/2024

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	09/09/2024	14:50	PL091568.D	9.06	3.54
PEM	PEM	09/09/2024	15:03	PL091569.D	9.06	3.54
RESCHK	RESCHK	09/09/2024	15:17	PL091570.D	9.06	3.54
PSTDICC100	PSTDICC100	09/09/2024	15:31	PL091571.D	9.06	3.54
PSTDICC075	PSTDICC075	09/09/2024	15:44	PL091572.D	9.06	3.54
PSTDICC050	PSTDICC050	09/09/2024	15:58	PL091573.D	9.06	3.54
PSTDICC025	PSTDICC025	09/09/2024	16:11	PL091574.D	9.06	3.55
PSTDICC005	PSTDICC005	09/09/2024	16:25	PL091575.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/09/2024	17:06	PL091578.D	9.06	3.54
PTOXICC500	PTOXICC500	09/09/2024	18:14	PL091583.D	9.05	3.54
IBLK	IBLK	09/10/2024	10:57	PL091604.D	9.06	3.54
PEM	PEM	09/10/2024	11:10	PL091605.D	9.06	3.54
PSTDCCC050	PSTDCCC050	09/10/2024	11:24	PL091606.D	9.06	3.54
PB163229BL	PB163229BL	09/10/2024	12:40	PL091610.D	9.06	3.54
PB163229BS	PB163229BS	09/10/2024	12:57	PL091611.D	9.07	3.55
IBLK	IBLK	09/10/2024	16:56	PL091623.D	9.06	3.54
PSTDCCC050	PSTDCCC050	09/10/2024	17:10	PL091624.D	9.06	3.54
PEM	PEM	09/11/2024	03:31	PL091629.D	9.06	3.54
IBLK	IBLK	09/11/2024	10:59	PL091650.D	9.06	3.54
PSTDCCC050	PSTDCCC050	09/11/2024	11:31	PL091651.D	9.07	3.55
PB163229BSD	PB163229BSD	09/11/2024	13:13	PL091654.D	9.07	3.55
IBLK	IBLK	09/11/2024	15:04	PL091662.D	9.06	3.55
PSTDCCC050	PSTDCCC050	09/11/2024	15:17	PL091663.D	9.06	3.55
IBLK	IBLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
IBLK	IBLK	09/24/2024	09:28	PL091991.D	9.06	3.55
PEM	PEM	09/24/2024	09:41	PL091992.D	9.06	3.54
PSTDCCC050	PSTDCCC050	09/24/2024	09:55	PL091993.D	9.06	3.54
PT-PEST-WP	P3845-09	09/24/2024	12:35	PL091996.D	9.07	3.55
PT-PEST-WPDL	P3845-09DL	09/24/2024	13:19	PL091999.D	9.07	3.54
PT-PEST-WPDL2	P3845-09DL2	09/24/2024	13:32	PL092000.D	9.06	3.54
IBLK	IBLK	09/24/2024	14:08	PL092002.D	9.06	3.54
PSTDCCC050	PSTDCCC050	09/24/2024	14:21	PL092003.D	9.06	3.54

Analytical Sequence

- 1
- 2
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Analytical Sequence

Client: Chemtech Consulting Group	SDG No.: P3845	
Project: NJ Waste Water PT	Instrument ID: ECD_L	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 09/09/2024 09/09/2024

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	09/09/2024	14:50	PL091568.D	7.92	2.78
PEM	PEM	09/09/2024	15:03	PL091569.D	7.92	2.78
RESCHK	RESCHK	09/09/2024	15:17	PL091570.D	7.93	2.78
PSTDICCC100	PSTDICCC100	09/09/2024	15:31	PL091571.D	7.92	2.78
PSTDICCC075	PSTDICCC075	09/09/2024	15:44	PL091572.D	7.92	2.78
PSTDICCC050	PSTDICCC050	09/09/2024	15:58	PL091573.D	7.93	2.78
PSTDICCC025	PSTDICCC025	09/09/2024	16:11	PL091574.D	7.93	2.78
PSTDICCC005	PSTDICCC005	09/09/2024	16:25	PL091575.D	7.93	2.78
PCHLORICC500	PCHLORICC500	09/09/2024	17:06	PL091578.D	7.93	2.78
PTOXICC500	PTOXICC500	09/09/2024	18:14	PL091583.D	7.92	2.78
IBLK	IBLK	09/10/2024	10:57	PL091604.D	7.92	2.78
PEM	PEM	09/10/2024	11:10	PL091605.D	7.92	2.78
PSTDCCC050	PSTDCCC050	09/10/2024	11:24	PL091606.D	7.92	2.78
PB163229BL	PB163229BL	09/10/2024	12:40	PL091610.D	7.93	2.78
PB163229BS	PB163229BS	09/10/2024	12:57	PL091611.D	7.93	2.78
IBLK	IBLK	09/10/2024	16:56	PL091623.D	7.92	2.78
PSTDCCC050	PSTDCCC050	09/10/2024	17:10	PL091624.D	7.92	2.78
PEM	PEM	09/11/2024	03:31	PL091629.D	7.92	2.78
IBLK	IBLK	09/11/2024	10:59	PL091650.D	7.92	2.78
PSTDCCC050	PSTDCCC050	09/11/2024	11:31	PL091651.D	7.93	2.78
PB163229BSD	PB163229BSD	09/11/2024	13:13	PL091654.D	7.93	2.78
IBLK	IBLK	09/11/2024	15:04	PL091662.D	7.93	2.78
PSTDCCC050	PSTDCCC050	09/11/2024	15:17	PL091663.D	7.93	2.78
IBLK	IBLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICCC100	PSTDICCC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICCC075	PSTDICCC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICCC050	PSTDICCC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICCC025	PSTDICCC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICCC005	PSTDICCC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
IBLK	IBLK	09/24/2024	09:28	PL091991.D	7.92	2.78
PEM	PEM	09/24/2024	09:41	PL091992.D	7.92	2.78
PSTDCCC050	PSTDCCC050	09/24/2024	09:55	PL091993.D	7.92	2.78
PT-PEST-WP	P3845-09	09/24/2024	12:35	PL091996.D	7.93	2.78
PT-PEST-WPDL	P3845-09DL	09/24/2024	13:19	PL091999.D	7.93	2.78
PT-PEST-WPDL2	P3845-09DL2	09/24/2024	13:32	PL092000.D	7.92	2.78
IBLK	IBLK	09/24/2024	14:08	PL092002.D	7.92	2.78
PSTDCCC050	PSTDCCC050	09/24/2024	14:21	PL092003.D	7.92	2.78

Analytical Sequence

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: PB163229BS

Date(s) Analyzed: 09/10/2024

09/10/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	0.51	4.4
	2	5.95	5.90	6.00	0.54	
4,4'-DDD	1	6.72	6.67	6.77	0.52	0.3
	2	5.80	5.75	5.85	0.52	
4,4'-DDT	1	7.03	6.98	7.08	0.53	4.5
	2	6.05	6.00	6.10	0.55	
Endrin aldehyde	1	6.93	6.88	6.98	0.51	5.9
	2	6.12	6.07	6.17	0.54	
Endosulfan sulfate	1	7.17	7.12	7.22	0.51	5.2
	2	6.35	6.30	6.40	0.54	
Methoxychlor	1	7.51	7.46	7.56	0.52	2.2
	2	6.62	6.57	6.67	0.54	
Endrin ketone	1	7.65	7.60	7.70	0.52	2.8
	2	6.85	6.80	6.90	0.53	
alpha-BHC	1	4.01	3.96	4.06	0.52	0.7
	2	3.29	3.24	3.34	0.52	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.52	0.9
	2	3.62	3.57	3.67	0.52	
Heptachlor	1	4.93	4.88	4.98	0.54	2.2
	2	3.96	3.91	4.01	0.53	
Aldrin	1	5.27	5.22	5.32	0.52	2.5
	2	4.24	4.19	4.29	0.53	
beta-BHC	1	4.54	4.49	4.59	0.51	2.5
	2	3.92	3.87	3.97	0.50	
delta-BHC	1	4.78	4.73	4.83	0.50	8.2
	2	4.15	4.10	4.20	0.55	
Heptachlor epoxide	1	5.69	5.64	5.74	0.50	0.2
	2	4.74	4.69	4.79	0.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BS

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163229BS

Date(s) Analyzed: 09/10/2024 09/10/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.08	6.03	6.13	0.53	1.4
	2	5.11	5.06	5.16	0.52	
gamma-Chlordane	1	5.95	5.90	6.00	0.52	3.3
	2	4.99	4.94	5.04	0.50	
alpha-Chlordane	1	6.03	5.98	6.08	0.54	2
	2	5.06	5.01	5.11	0.53	
4,4'-DDE	1	6.20	6.15	6.25	0.52	7
	2	5.24	5.19	5.29	0.56	
Dieldrin	1	6.35	6.30	6.40	0.53	0.8
	2	5.38	5.33	5.43	0.54	
Endrin	1	6.58	6.53	6.63	0.52	1.7
	2	5.65	5.60	5.70	0.52	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BSD

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: PB163229BSD

Date(s) Analyzed: 09/11/2024

09/11/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.81	6.76	6.86	0.47	2.1
	2	5.95	5.90	6.00	0.48	
4,4'-DDD	1	6.72	6.67	6.77	0.50	2.1
	2	5.80	5.75	5.85	0.49	
4,4'-DDT	1	7.04	6.99	7.09	0.45	2.9
	2	6.05	6.00	6.10	0.44	
Endrin aldehyde	1	6.94	6.89	6.99	0.50	2.2
	2	6.13	6.08	6.18	0.49	
Endosulfan sulfate	1	7.17	7.12	7.22	0.47	4.6
	2	6.35	6.30	6.40	0.50	
Methoxychlor	1	7.51	7.46	7.56	0.46	8.1
	2	6.63	6.58	6.68	0.42	
Endrin ketone	1	7.65	7.60	7.70	0.51	1.5
	2	6.85	6.80	6.90	0.51	
alpha-BHC	1	4.01	3.96	4.06	0.47	2.9
	2	3.29	3.24	3.34	0.46	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.47	2.5
	2	3.62	3.57	3.67	0.46	
Heptachlor	1	4.93	4.88	4.98	0.47	5.1
	2	3.96	3.91	4.01	0.45	
Aldrin	1	5.27	5.22	5.32	0.43	6.9
	2	4.24	4.19	4.29	0.46	
beta-BHC	1	4.54	4.49	4.59	0.46	5.7
	2	3.92	3.87	3.97	0.43	
delta-BHC	1	4.79	4.74	4.84	0.47	0.4
	2	4.15	4.10	4.20	0.46	
Heptachlor epoxide	1	5.70	5.65	5.75	0.46	2.3
	2	4.74	4.69	4.79	0.45	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163229BSD

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: PB163229BSD

Date(s) Analyzed: 09/11/2024 09/11/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.08	6.03	6.13	0.48	6.4
	2	5.11	5.06	5.16	0.45	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	4.3
	2	4.99	4.94	5.04	0.45	
alpha-Chlordane	1	6.03	5.98	6.08	0.49	5.6
	2	5.06	5.01	5.11	0.46	
4,4'-DDE	1	6.21	6.16	6.26	0.48	2.7
	2	5.24	5.19	5.29	0.47	
Dieldrin	1	6.36	6.31	6.41	0.48	5.5
	2	5.38	5.33	5.43	0.45	
Endrin	1	6.59	6.54	6.64	0.44	4.5
	2	5.65	5.60	5.70	0.42	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: P3845-09

Date(s) Analyzed: 09/24/2024

09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	5.60	43.4
	2	5.80	5.75	5.85	8.70	
4,4'-DDE	1	6.20	6.15	6.25	4.60	12.2
	2	5.24	5.19	5.29	5.20	
4,4'-DDT	1	7.03	6.98	7.08	4.40	16.7
	2	6.05	6.00	6.10	5.20	
alpha-BHC	1	4.01	3.96	4.06	14.4	4.3
	2	3.29	3.24	3.34	13.8	
Aldrin	1	5.27	5.22	5.32	7.00	6.9
	2	4.24	4.19	4.29	7.50	
alpha-Chlordane	1	6.03	5.98	6.08	6.10	9.4
	2	5.05	5.00	5.10	6.70	
Endosulfan II	1	6.81	6.76	6.86	5.50	12
	2	5.95	5.90	6.00	6.20	
Endosulfan sulfate	1	7.17	7.12	7.22	4.30	13
	2	6.35	6.30	6.40	4.90	
beta-BHC	1	4.54	4.49	4.59	10.7	10.6
	2	3.92	3.87	3.97	11.9	
delta-BHC	1	4.78	4.73	4.83	15.0	3.4
	2	4.15	4.10	4.20	14.5	
Endosulfan I	1	6.08	6.03	6.13	9.60	7
	2	5.11	5.06	5.16	10.3	
Dieldrin	1	6.36	6.31	6.41	11.3	2.6
	2	5.37	5.32	5.42	11.6	
Endrin aldehyde	1	6.94	6.89	6.99	13.3	5.1
	2	6.13	6.08	6.18	14.0	
Methoxychlor	1	7.51	7.46	7.56	6.60	8.7
	2	6.62	6.57	6.67	7.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.65	7.60	7.70	13.8	2.9
	2	6.85	6.80	6.90	13.4	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	6.60	4.4
	2	3.62	3.57	3.67	6.90	
Heptachlor	1	4.93	4.88	4.98	4.10	11.5
	2	3.96	3.91	4.01	4.60	
Heptachlor epoxide	1	5.70	5.65	5.75	6.60	5.9
	2	4.74	4.69	4.79	7.00	
gamma-Chlordane	1	5.95	5.90	6.00	3.00	15.4
	2	4.99	4.94	5.04	3.50	
Endrin	1	6.59	6.54	6.64	2.00	14
	2	5.65	5.60	5.70	2.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: CHEM02

Lab Code: CHEM

Case No.: P3845

SAS No.: P3845

SDG NO.: P3845

Lab Sample ID: P3845-09DL

Date(s) Analyzed: 09/24/2024

09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	5.40	29.9
	2	5.80	5.75	5.85	7.30	
4,4'-DDT	1	7.03	6.98	7.08	4.20	4.7
	2	6.05	6.00	6.10	4.40	
alpha-BHC	1	4.01	3.96	4.06	12.6	9.1
	2	3.29	3.24	3.34	13.8	
Aldrin	1	5.27	5.22	5.32	6.70	8.6
	2	4.24	4.19	4.29	7.30	
beta-BHC	1	4.53	4.48	4.58	10.7	8.9
	2	3.92	3.87	3.97	11.7	
alpha-Chlordane	1	6.03	5.98	6.08	6.00	6.5
	2	5.05	5.00	5.10	6.40	
4,4'-DDE	1	6.20	6.15	6.25	4.40	6.6
	2	5.24	5.19	5.29	4.70	
Endosulfan II	1	6.80	6.75	6.85	5.70	8.4
	2	5.94	5.89	5.99	6.20	
Endrin aldehyde	1	6.93	6.88	6.98	14.2	11.3
	2	6.12	6.07	6.17	15.9	
Endosulfan sulfate	1	7.17	7.12	7.22	4.60	6.3
	2	6.35	6.30	6.40	4.90	
Methoxychlor	1	7.51	7.46	7.56	7.30	5.3
	2	6.62	6.57	6.67	7.70	
Endrin ketone	1	7.65	7.60	7.70	14.3	10
	2	6.85	6.80	6.90	15.8	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	5.90	8.1
	2	3.62	3.57	3.67	6.40	
Heptachlor	1	4.93	4.88	4.98	4.10	7.1
	2	3.96	3.91	4.01	4.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.78	4.73	4.83	13.2	10.8
	2	4.15	4.10	4.20	14.7	
Heptachlor epoxide	1	5.69	5.64	5.74	6.90	7
	2	4.74	4.69	4.79	7.40	
Endosulfan I	1	6.08	6.03	6.13	10.0	11.3
	2	5.11	5.06	5.16	11.2	
gamma-Chlordane	1	5.95	5.90	6.00	3.20	3.2
	2	4.99	4.94	5.04	3.10	
Dieldrin	1	6.35	6.30	6.40	11.1	12.7
	2	5.37	5.32	5.42	12.6	
Endrin	1	6.58	6.53	6.63	2.00	0
	2	5.65	5.60	5.70	2.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL2

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.03	6.98	7.08	4.40	7.1
	2	6.05	6.00	6.10	4.10	
Endrin aldehyde	1	6.93	6.88	6.98	14.6	6.6
	2	6.12	6.07	6.17	15.6	
Endosulfan sulfate	1	7.16	7.11	7.21	4.90	4.2
	2	6.34	6.29	6.39	4.70	
Endrin ketone	1	7.65	7.60	7.70	14.6	6
	2	6.85	6.80	6.90	15.5	
alpha-BHC	1	4.00	3.95	4.05	12.2	7.1
	2	3.29	3.24	3.34	13.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.00	1.7
	2	3.62	3.57	3.67	6.10	
Aldrin	1	5.26	5.21	5.31	6.80	1.5
	2	4.24	4.19	4.29	6.90	
beta-BHC	1	4.53	4.48	4.58	11.2	3.5
	2	3.92	3.87	3.97	11.6	
delta-BHC	1	4.78	4.73	4.83	13.0	6.7
	2	4.14	4.09	4.19	13.9	
Endosulfan I	1	6.08	6.03	6.13	10.2	5.7
	2	5.11	5.06	5.16	10.8	
alpha-Chlordane	1	6.02	5.97	6.07	6.10	0
	2	5.05	5.00	5.10	6.10	
4,4'-DDE	1	6.20	6.15	6.25	4.50	2.2
	2	5.24	5.19	5.29	4.40	
Dieldrin	1	6.35	6.30	6.40	11.2	6.9
	2	5.37	5.32	5.42	12.0	
Endrin	1	6.58	6.53	6.63	2.20	9.5
	2	5.65	5.60	5.70	2.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-09DL2

Date(s) Analyzed: 09/24/2024 09/24/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	7.80	1.3
	2	6.62	6.57	6.67	7.70	
Heptachlor	1	4.92	4.87	4.97	4.30	2.4
	2	3.96	3.91	4.01	4.20	
Heptachlor epoxide	1	5.69	5.64	5.74	7.20	1.4
	2	4.74	4.69	4.79	7.10	
gamma-Chlordane	1	5.95	5.90	6.00	3.20	6.5
	2	4.99	4.94	5.04	3.00	
Endosulfan II	1	6.80	6.75	6.85	5.90	1.7
	2	5.94	5.89	5.99	6.00	
4,4'-DDD	1	6.71	6.66	6.76	5.70	21.9
	2	5.80	5.75	5.85	7.10	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163229BL	SDG No.:	P3845
Lab Sample ID:	PB163229BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091610.D	1	09/09/24 10:10	09/10/24 12:40	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		43 - 140	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		77 - 126	112%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Waste Water PT		Date Received:	
Client Sample ID:	PB163229BL		SDG No.:	P3845
Lab Sample ID:	PB163229BL		Matrix:	WATER
Analytical Method:	SW8081		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091610.D	1	09/09/24 10:10	09/10/24 12:40	PB163229

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\PL091024\
Data File : PL091610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:40
Operator : AR\AJ
Sample : PB163229BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163229BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:32:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	35047119	40161757	22.486	21.473
28) SA Decachlor...	9.061	7.925	26709493	42961229	21.977	23.266

Target Compounds

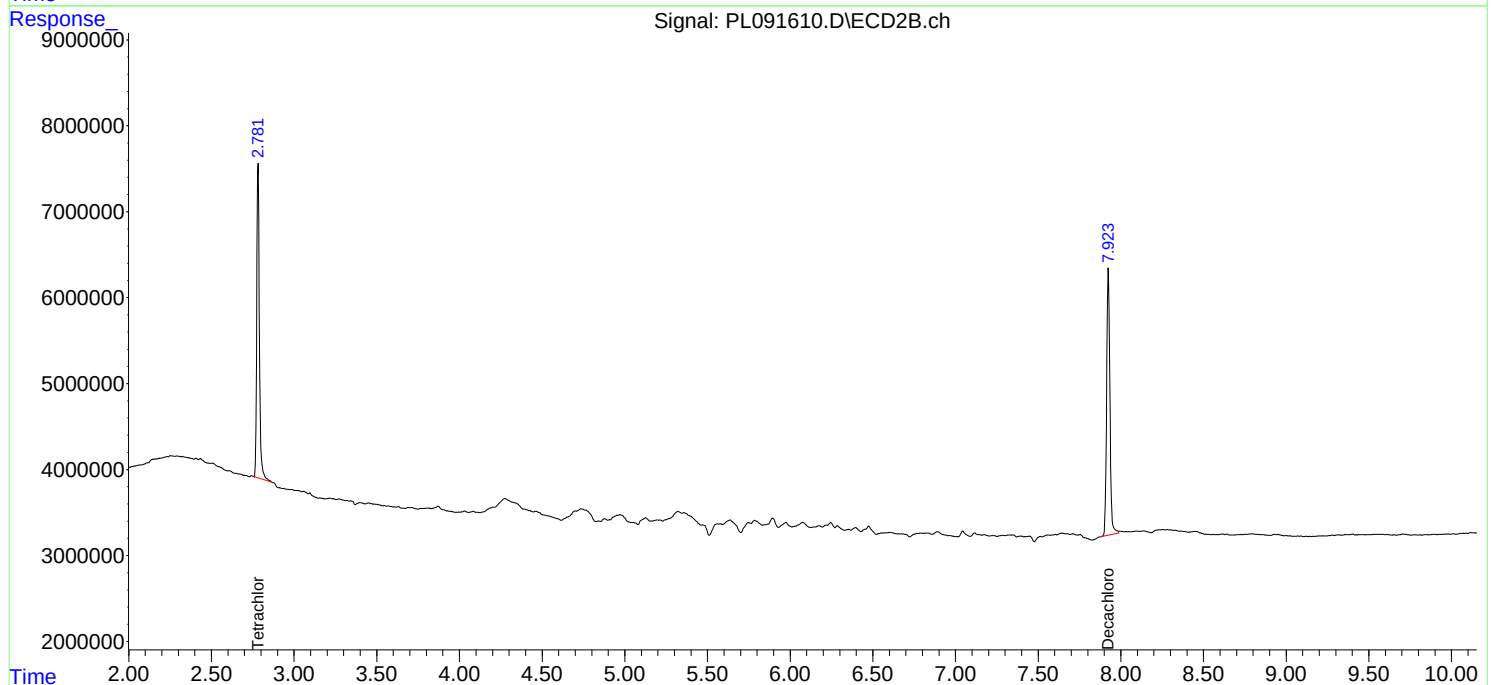
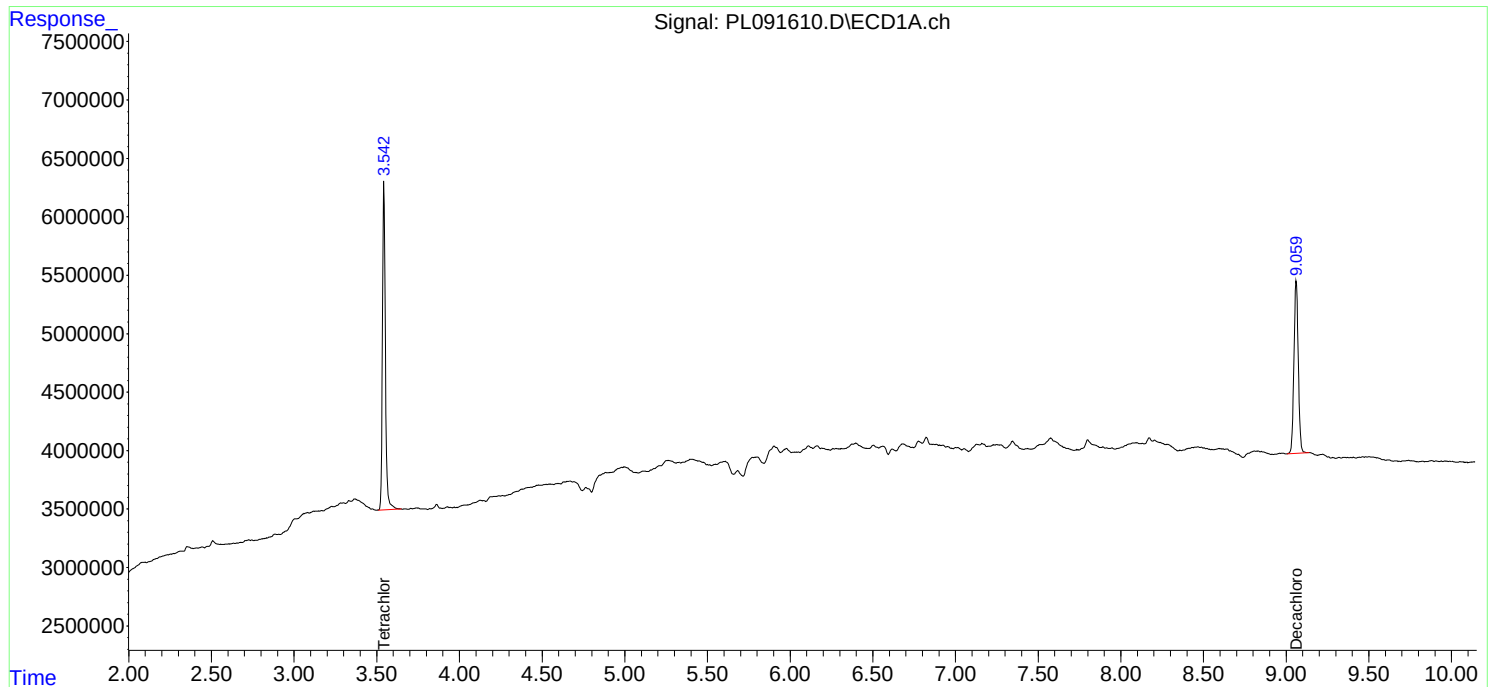
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

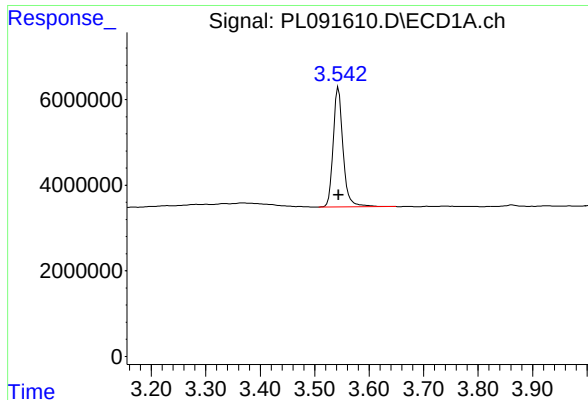
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:40
Operator : AR\AJ
Sample : PB163229BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163229BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:32:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

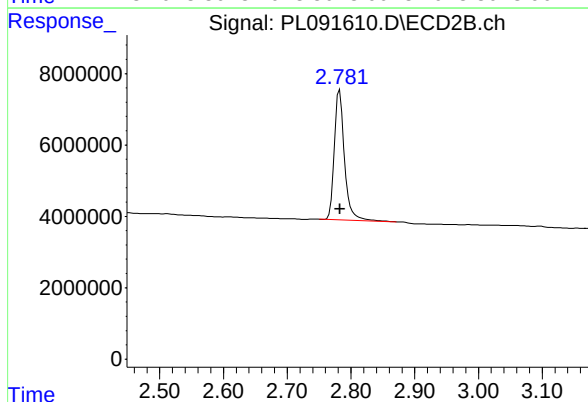




#1 Tetrachloro-m-xylene

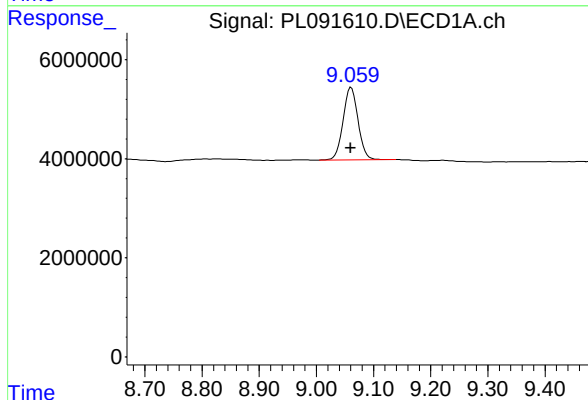
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 35047119
Conc: 22.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BL



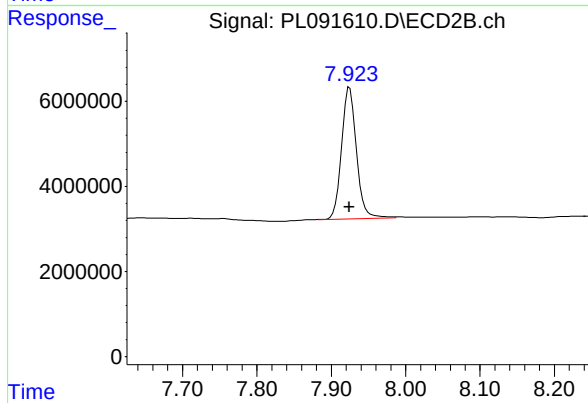
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 40161757
Conc: 21.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 26709493
Conc: 21.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 42961229
Conc: 23.27 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/09/24
Project:	NJ Waste Water PT	Date Received:	09/09/24
Client Sample ID:	PIBLK-PL091568.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091568.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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091568.D	1		09/09/24	PL090924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.7		43 - 140	133%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		77 - 126	121%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/09/24	
Project:	NJ Waste Water PT		Date Received:	09/09/24	
Client Sample ID:	PIBLK-PL091568.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091568.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091568.D	1		09/09/24	PL090924

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\PL090924\
 Data File : PL091568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 14:50
 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: Sep 09 18:05:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:50:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	37715852	45438208	24.199	24.295
28) SA Decachlor...	9.060	7.924	32431838	48319649	26.686	26.168

Target Compounds

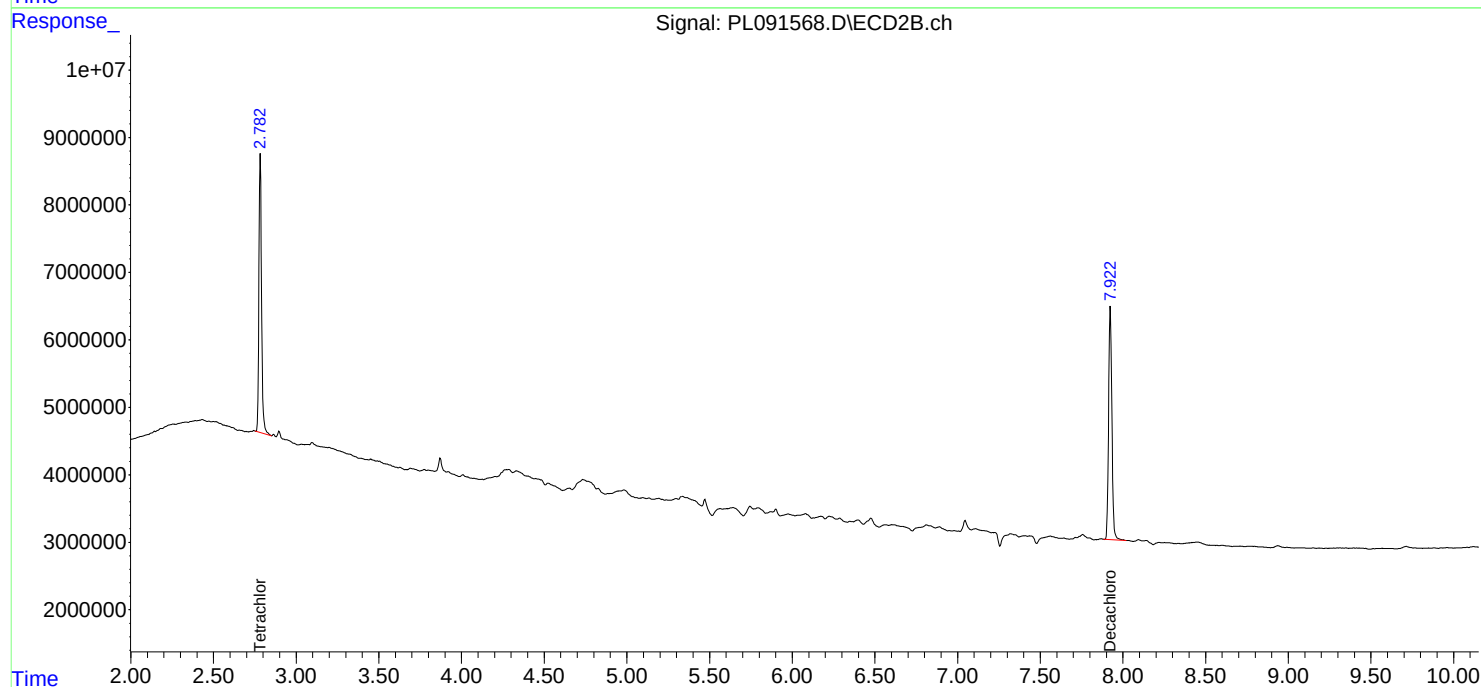
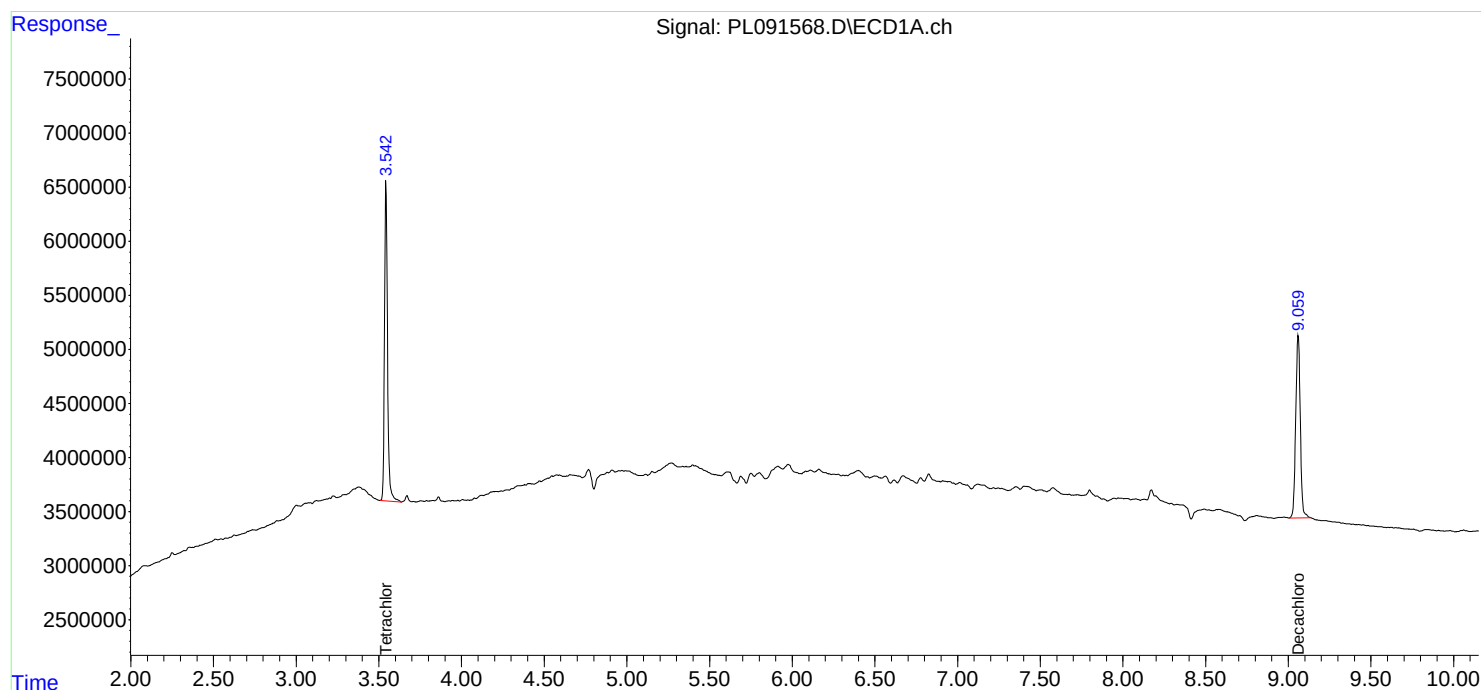
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

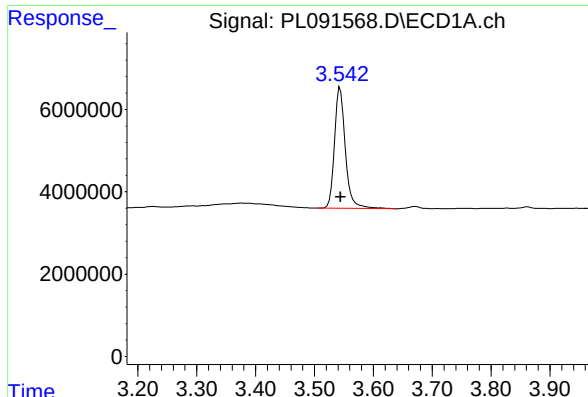
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 14:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:05:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

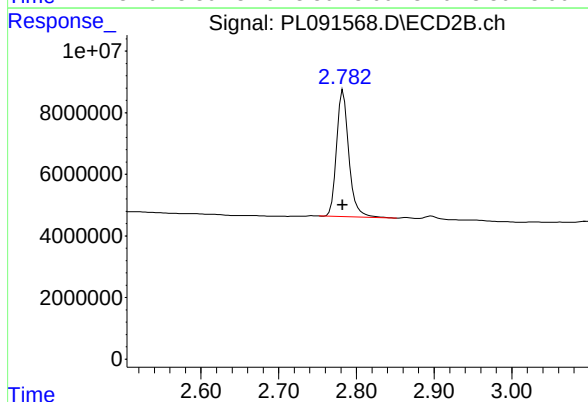




#1 Tetrachloro-m-xylene

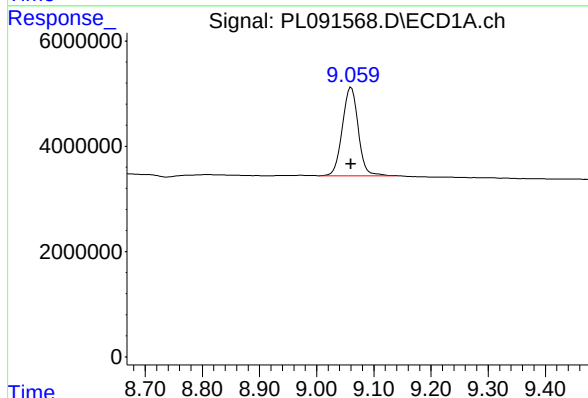
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 37715852
Conc: 24.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



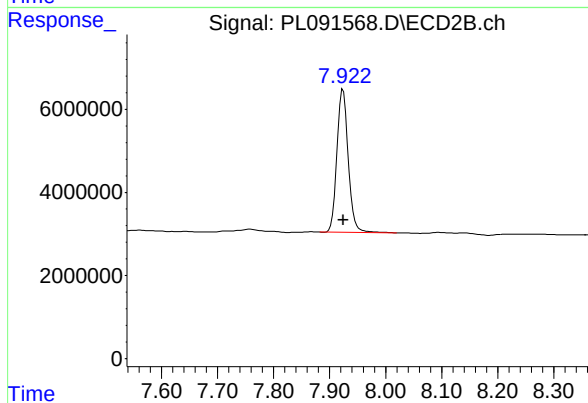
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 45438208
Conc: 24.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 32431838
Conc: 26.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 48319649
Conc: 26.17 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/10/24
Project:	NJ Waste Water PT	Date Received:	09/10/24
Client Sample ID:	PIBLK-PL091604.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091604.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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091604.D	1		09/10/24	pl091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/10/24	
Project:	NJ Waste Water PT		Date Received:	09/10/24	
Client Sample ID:	PIBLK-PL091604.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091604.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091604.D	1		09/10/24	pl091024

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\PL091024\
Data File : PL091604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 10:57
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: Sep 11 05:30:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	29671243	34654067	19.037	18.529
28) SA Decachlor...	9.055	7.922	22318962	31969536	18.365	17.313

Target Compounds

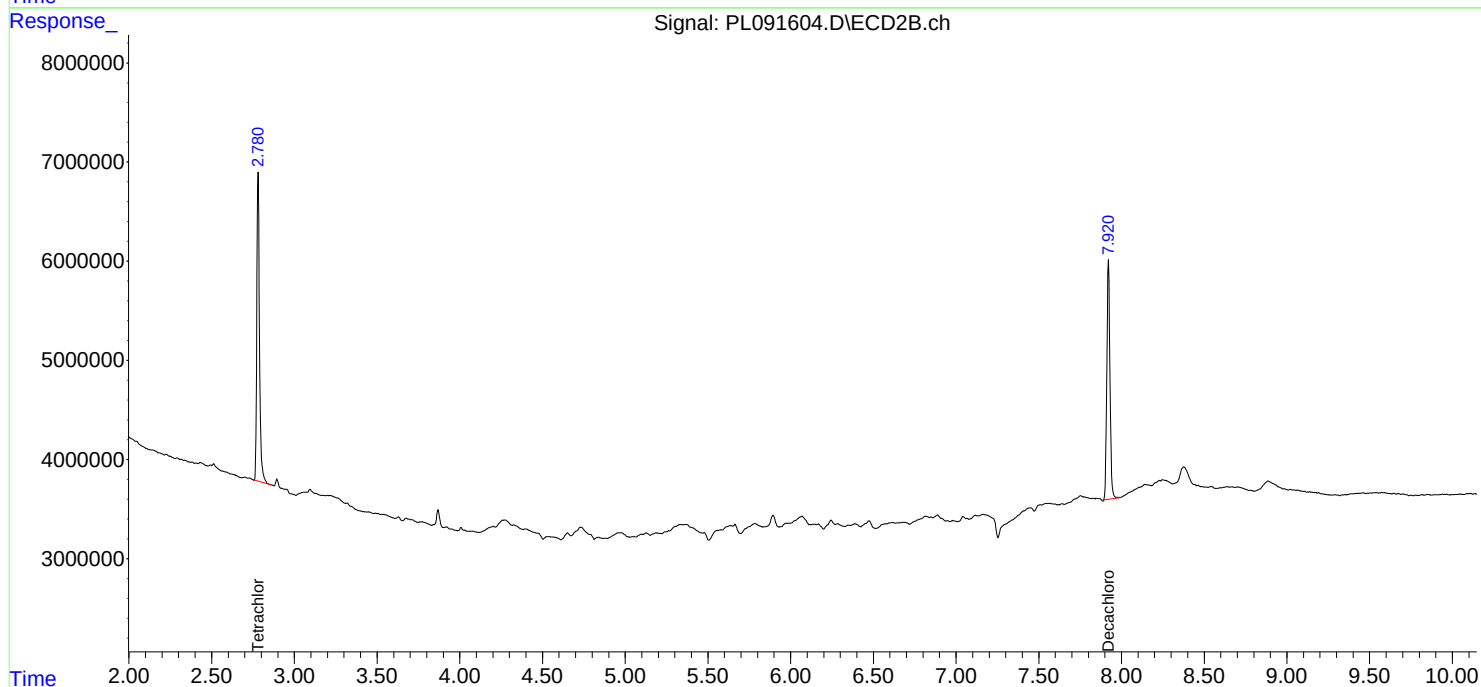
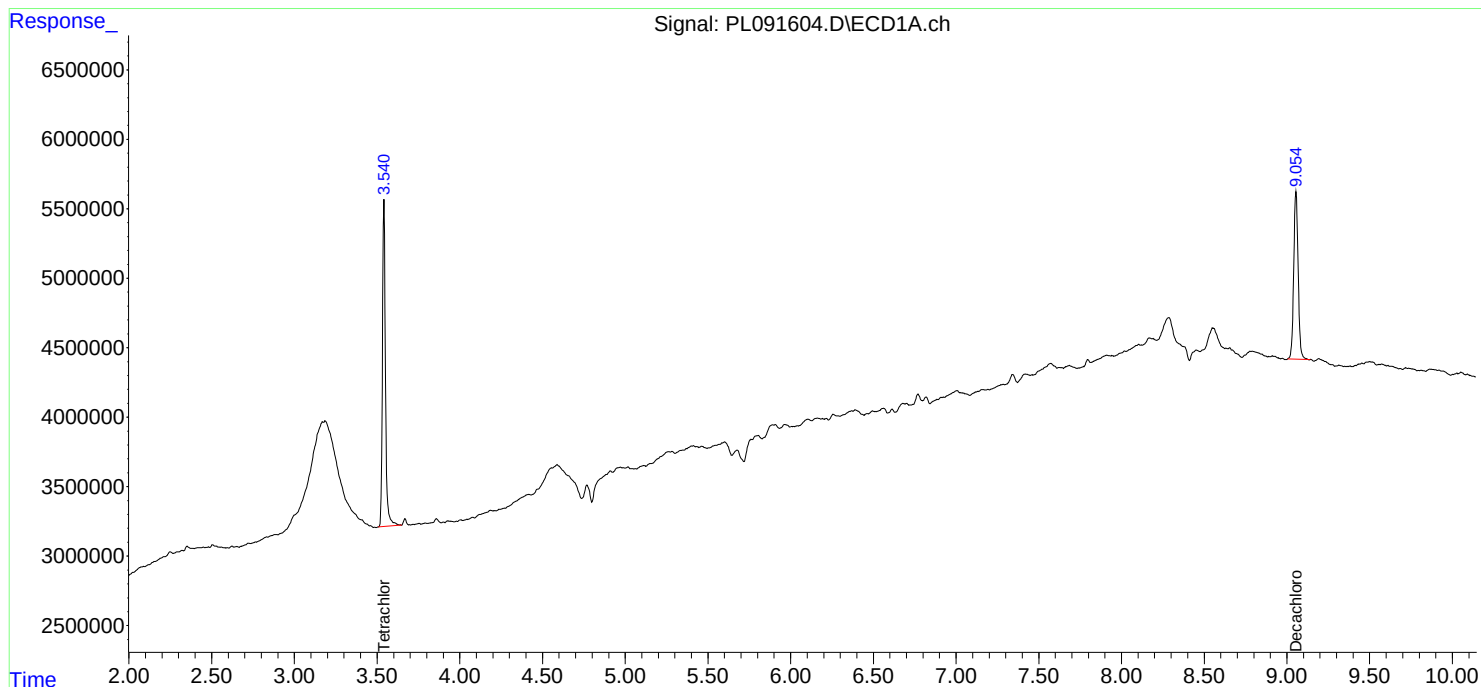
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

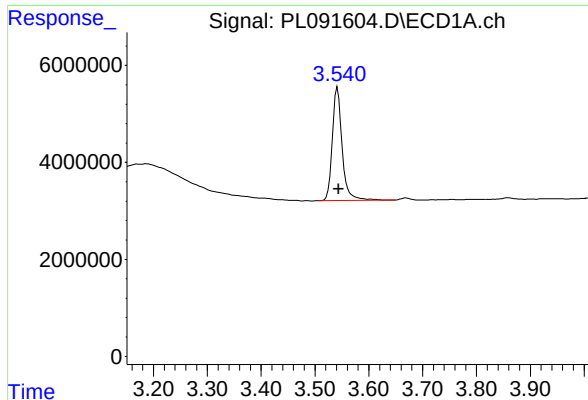
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 10:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:30:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

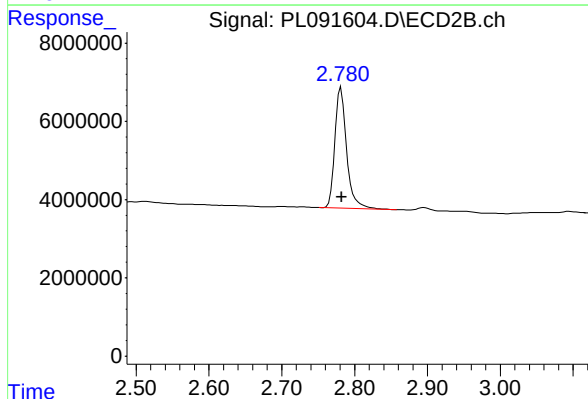




#1 Tetrachloro-m-xylene

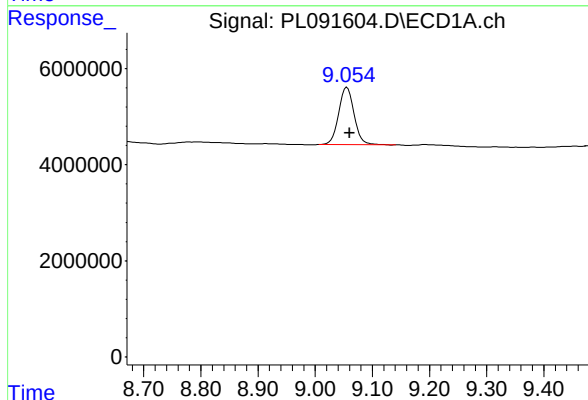
R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 29671243
Conc: 19.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



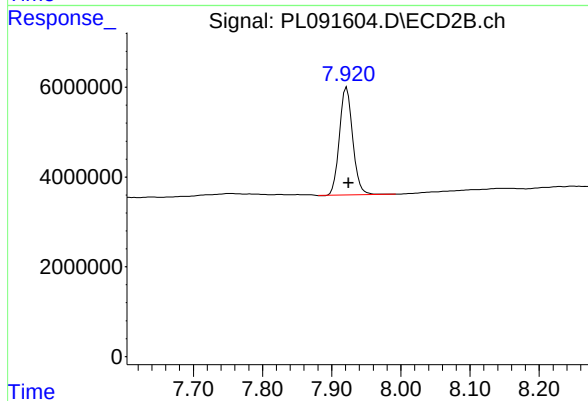
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.001 min
Response: 34654067
Conc: 18.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.005 min
Response: 22318962
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.003 min
Response: 31969536
Conc: 17.31 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/10/24	
Project:	NJ Waste Water PT		Date Received:	09/10/24	
Client Sample ID:	PIBLK-PL091623.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091623.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091623.D	1		09/10/24	PL091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	98%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/10/24	
Project:	NJ Waste Water PT		Date Received:	09/10/24	
Client Sample ID:	PIBLK-PL091623.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091623.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091623.D	1		09/10/24	PL091024

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\PL091024\
Data File : PL091623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 16:56
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: Sep 12 07:03:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	30600433	33515003	19.633	17.920
28) SA Decachlor...	9.057	7.922	24674384	36881684	20.303	19.973

Target Compounds

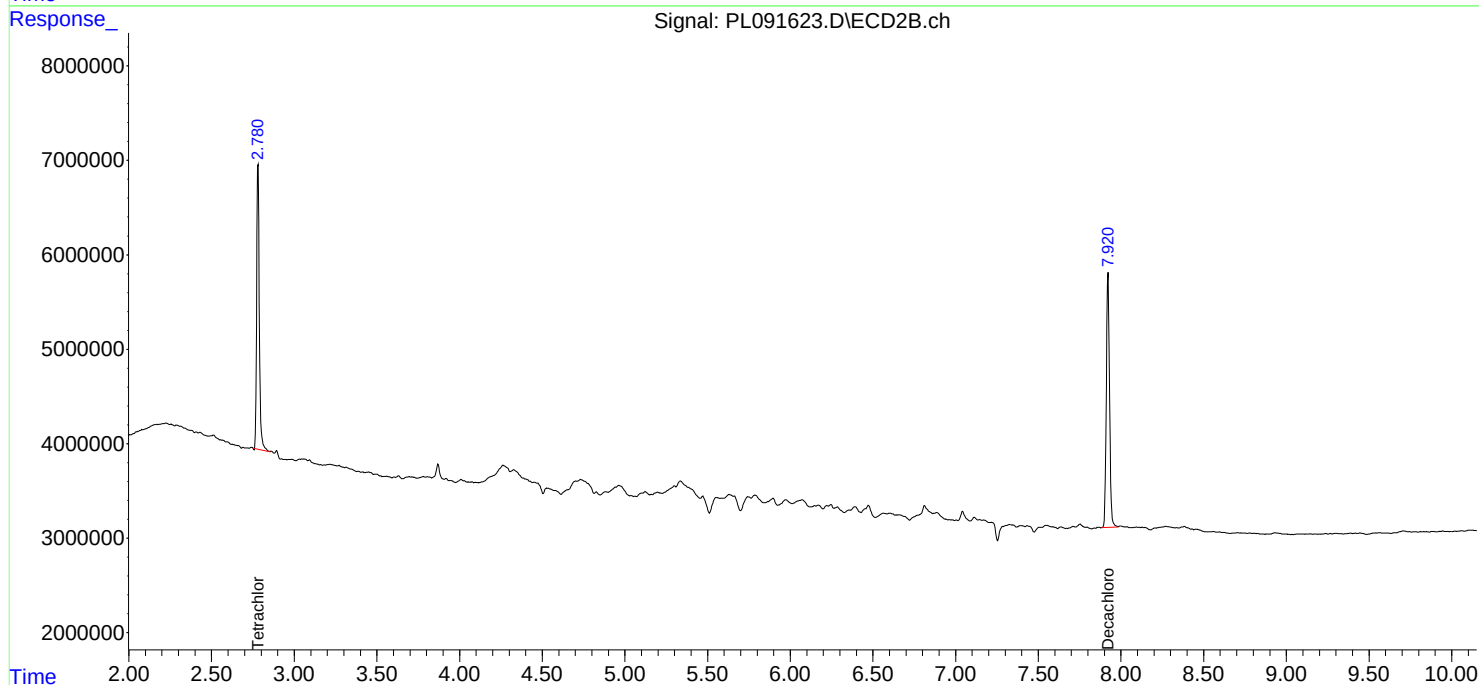
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

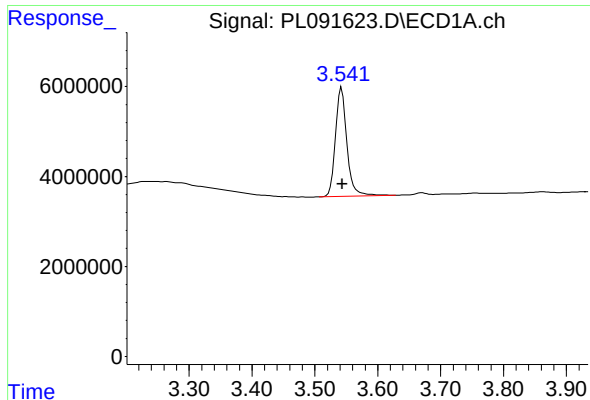
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 16:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 07:03:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

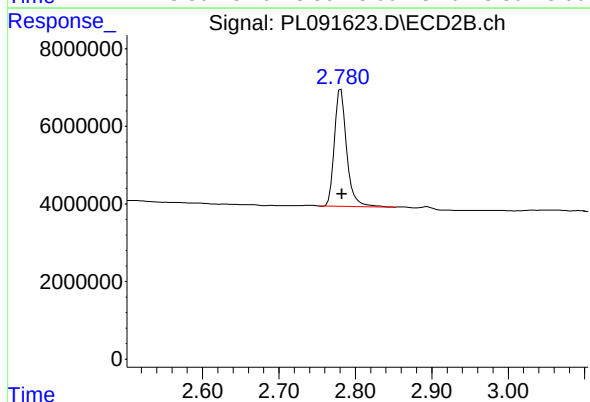




#1 Tetrachloro-m-xylene

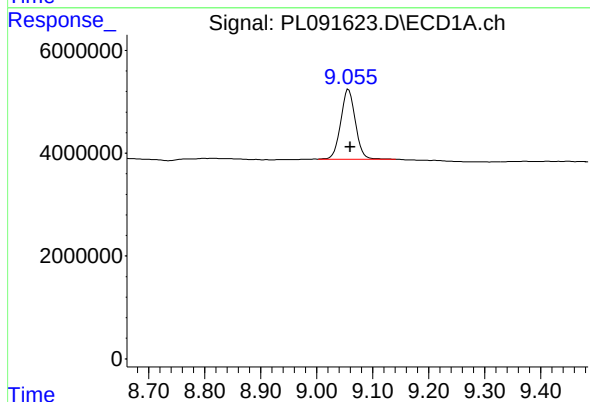
R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 30600433
Conc: 19.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



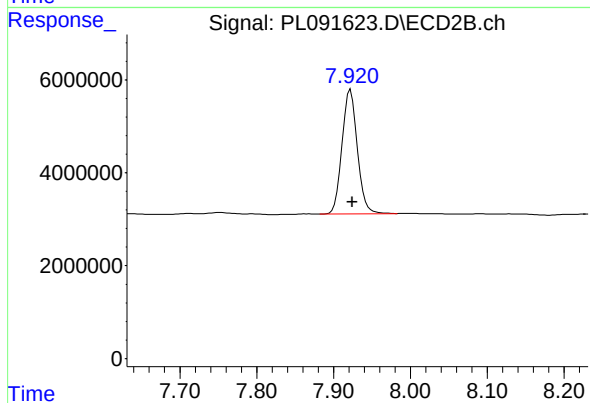
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.002 min
Response: 33515003
Conc: 17.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.003 min
Response: 24674384
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.003 min
Response: 36881684
Conc: 19.97 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/11/24	
Project:	NJ Waste Water PT		Date Received:	09/11/24	
Client Sample ID:	PIBLK-PL091650.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091650.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091650.D	1		09/11/24	PL091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/11/24	
Project:	NJ Waste Water PT		Date Received:	09/11/24	
Client Sample ID:	PIBLK-PL091650.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091650.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091650.D	1		09/11/24	PL091124

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\PL091124\
Data File : PL091650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 10:59
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: Sep 12 04:41:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	31519927	36444332	20.223	19.486
28) SA Decachlor...	9.059	7.924	25330383	37761421	20.843	20.450

Target Compounds

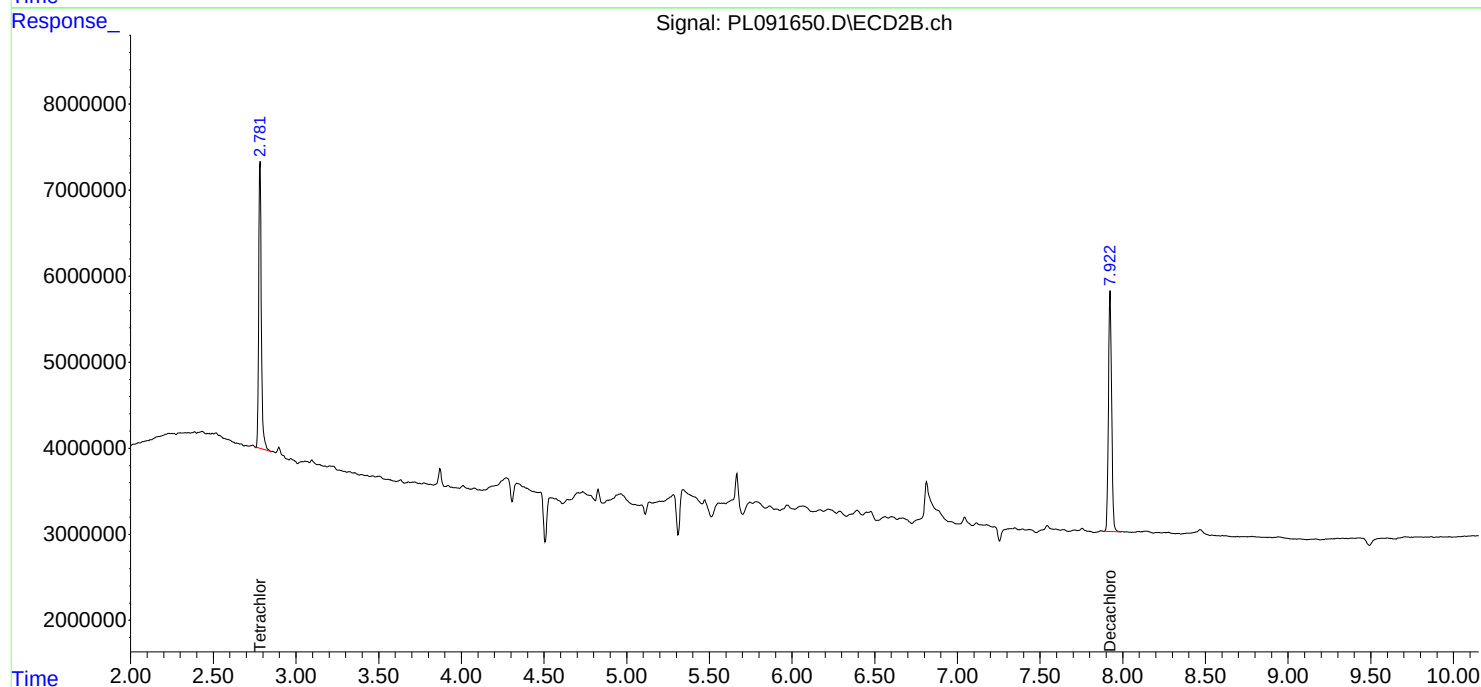
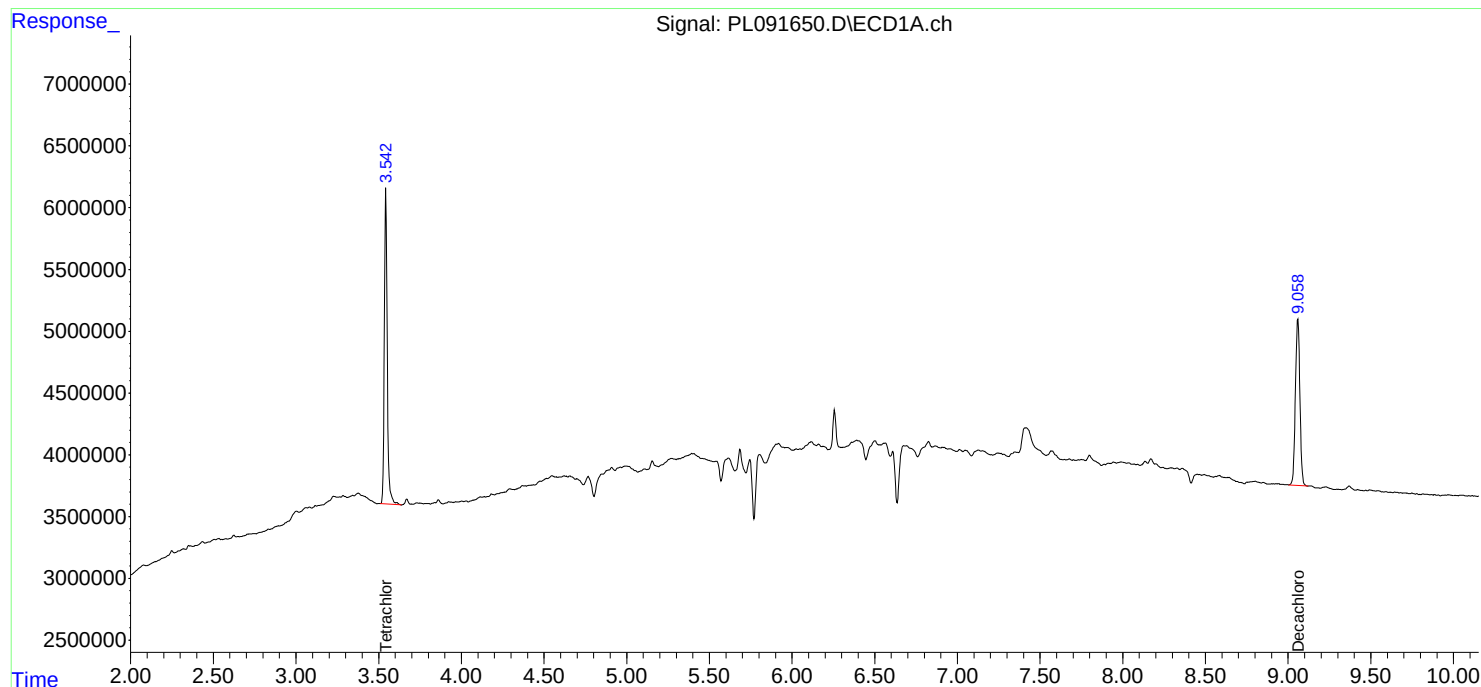
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

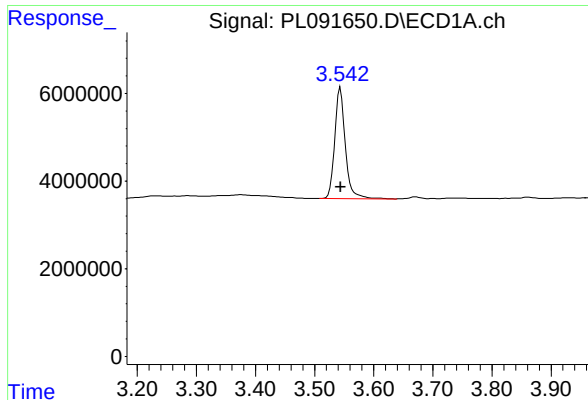
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 10:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 04:41:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

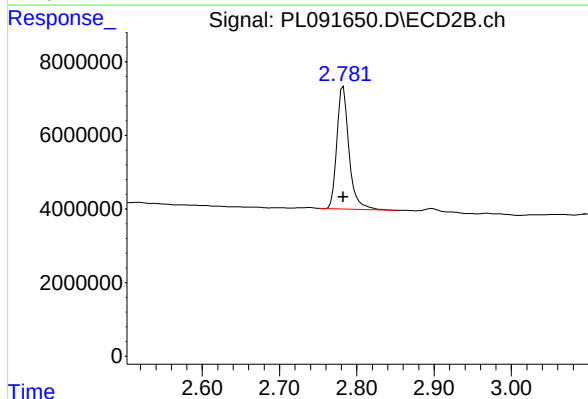




#1 Tetrachloro-m-xylene

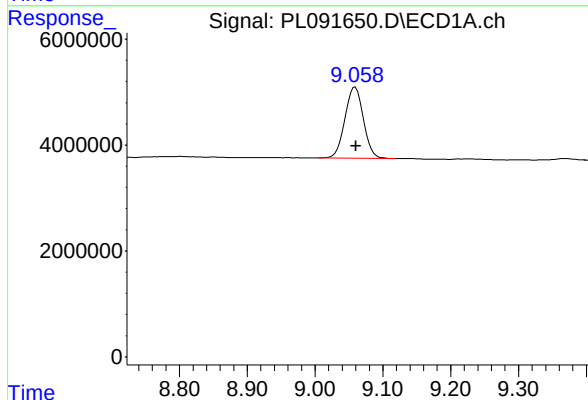
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 31519927
Conc: 20.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



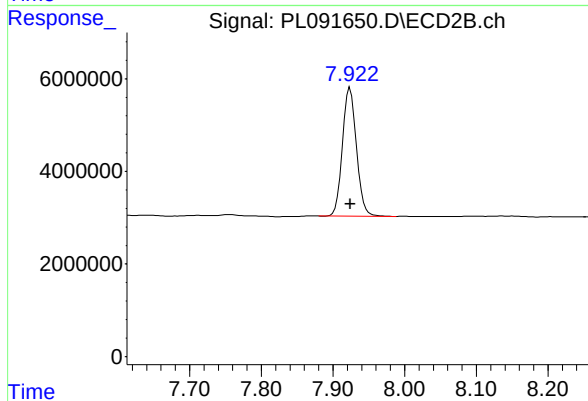
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 36444332
Conc: 19.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.001 min
Response: 25330383
Conc: 20.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 37761421
Conc: 20.45 ng/ml

- 1
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- 17
- 18

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091662.D	1		09/11/24	PL091124

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/11/24	
Project:	NJ Waste Water PT		Date Received:	09/11/24	
Client Sample ID:	PIBLK-PL091662.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091662.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091662.D	1		09/11/24	PL091124

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\PL091124\
 Data File : PL091662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2024 15:04
 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 09/12/2024
 Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 03:51:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.784	31337113	35832294	20.106	19.159
28) SA Decachlor...	9.062	7.925	23128738	30230594	19.031m	16.371m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 15:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

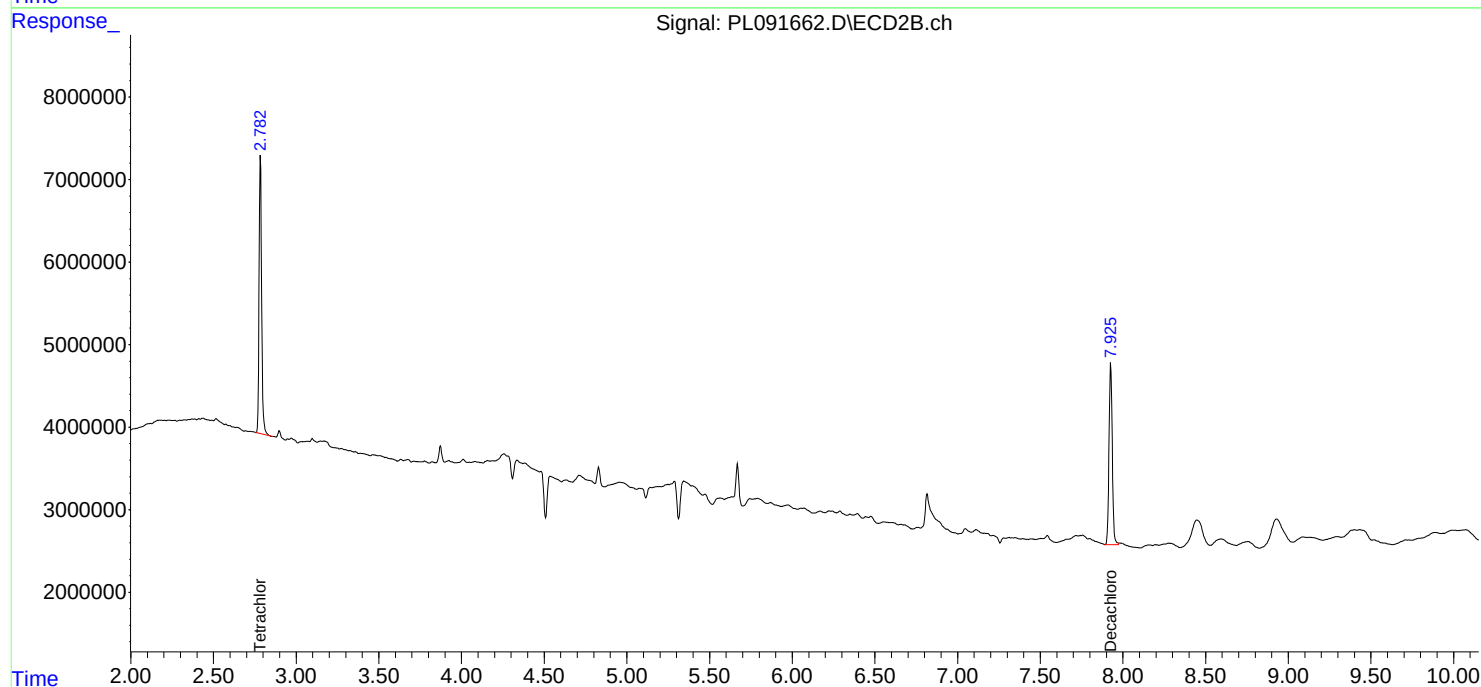
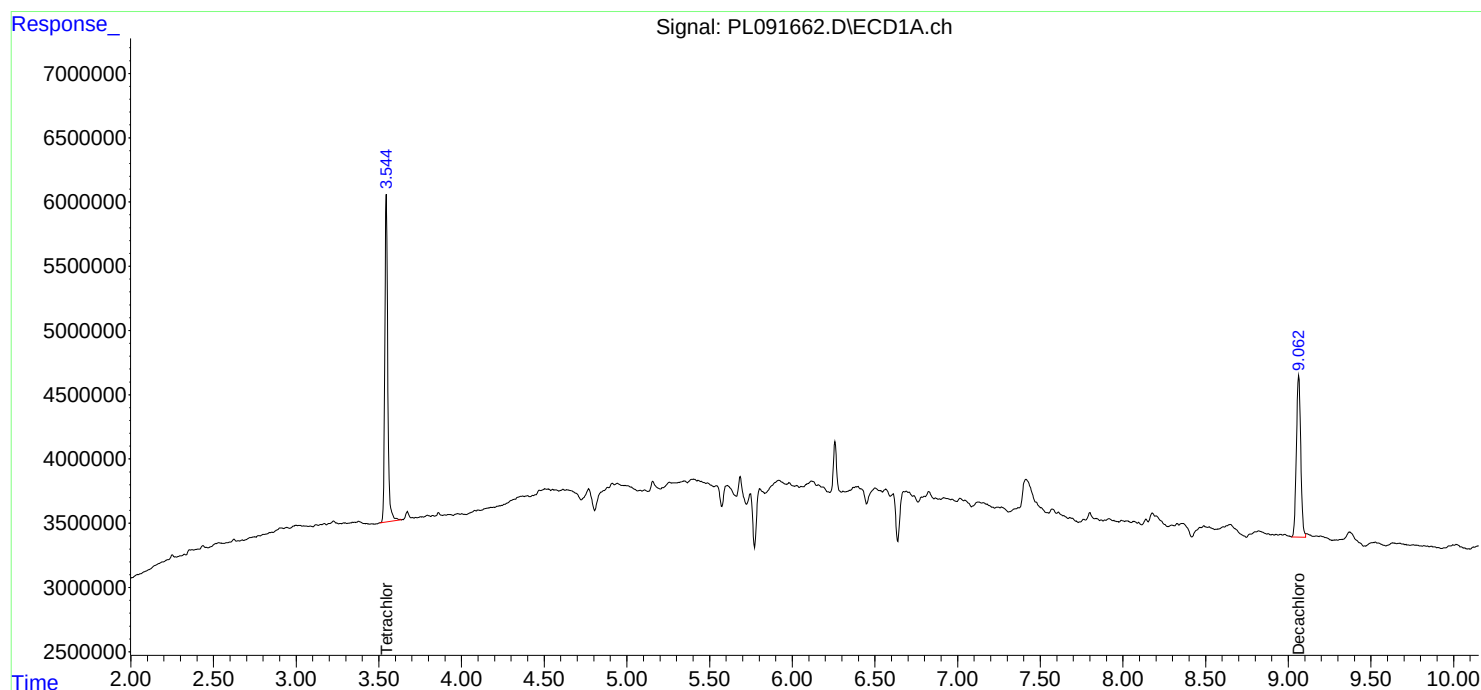
Instrument :
ECD_L
ClientSampleId :
I.BLK

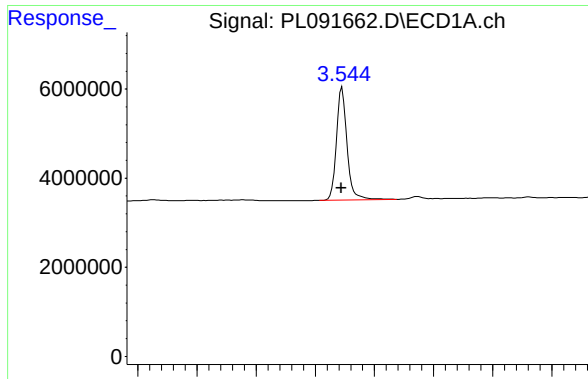
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/12/2024
Supervised By : Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 03:51:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





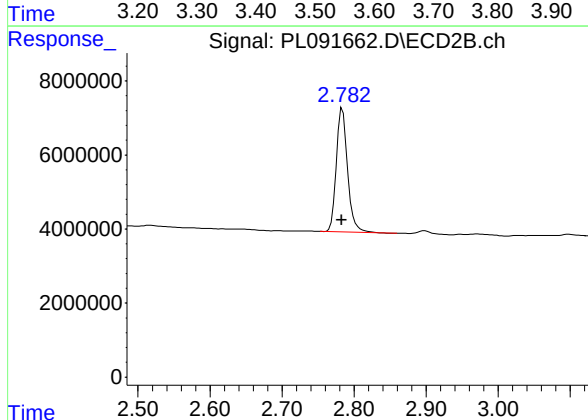
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.001 min
Response: 31337113
Conc: 20.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

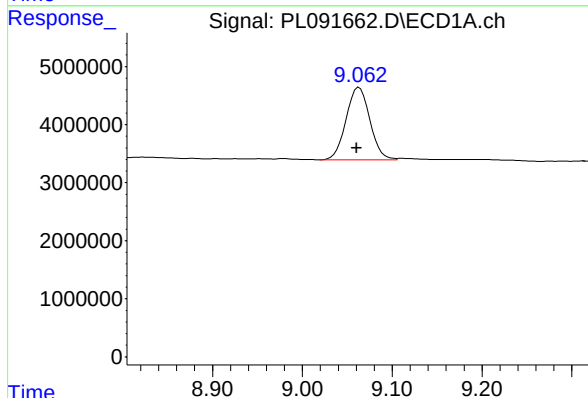
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



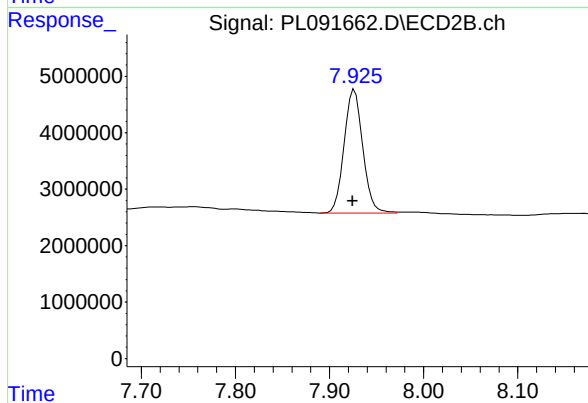
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.001 min
Response: 35832294
Conc: 19.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.002 min
Response: 23128738
Conc: 19.03 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 30230594
Conc: 16.37 ng/ml m

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/23/24	
Project:	NJ Waste Water PT		Date Received:	09/23/24	
Client Sample ID:	PIBLK-PL091953.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091953.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/23/24	
Project:	NJ Waste Water PT		Date Received:	09/23/24	
Client Sample ID:	PIBLK-PL091953.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091953.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

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\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
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: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	42236372	45921989	18.986	18.310
28) SA Decachlor...	9.060	7.923	32124664	46897103	19.609	18.744

Target Compounds

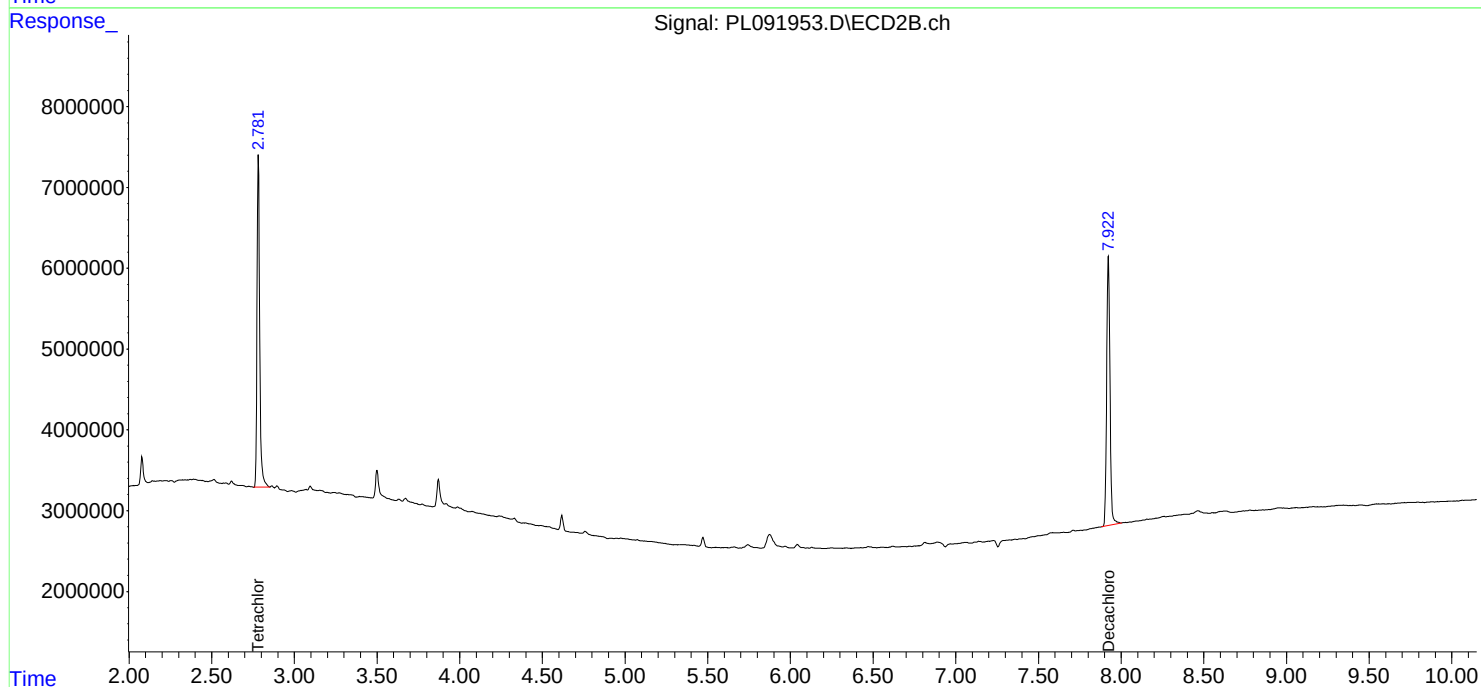
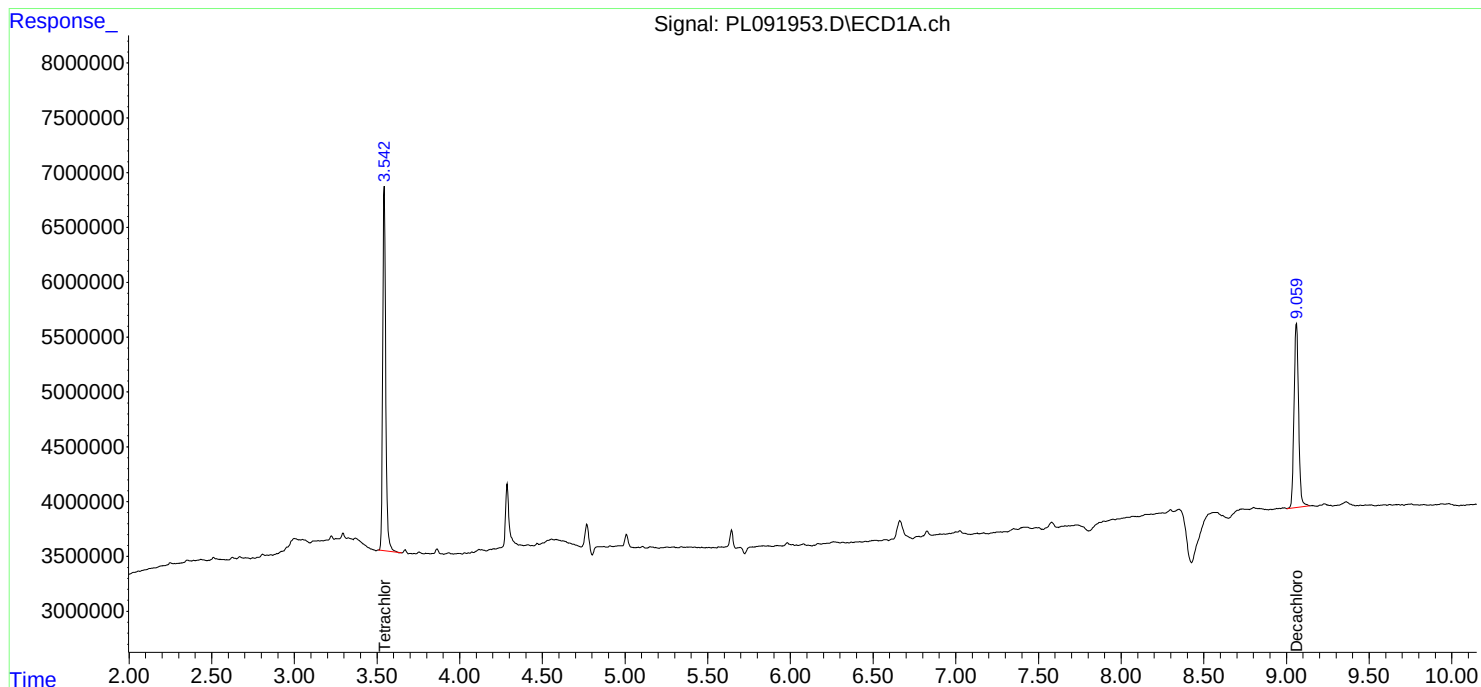
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

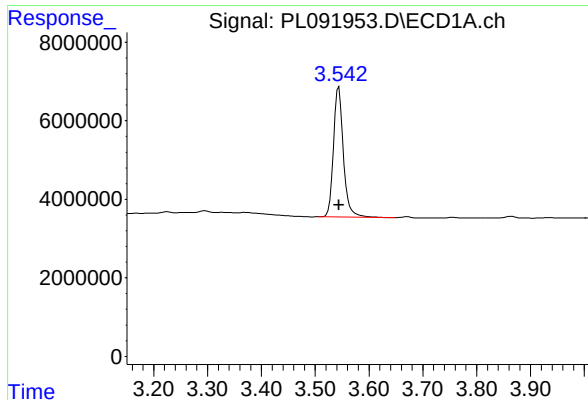
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

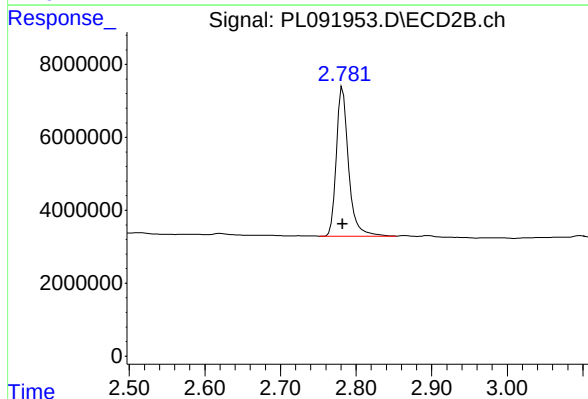




#1 Tetrachloro-m-xylene

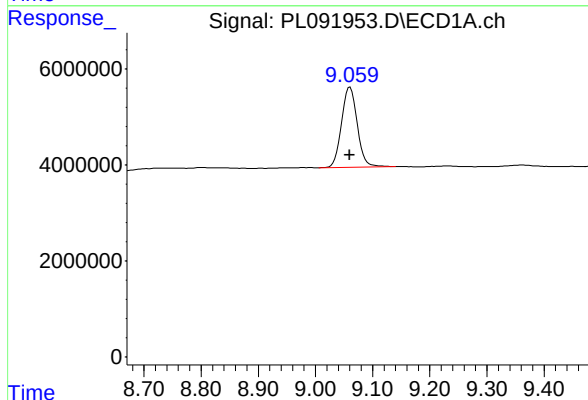
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 42236372
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



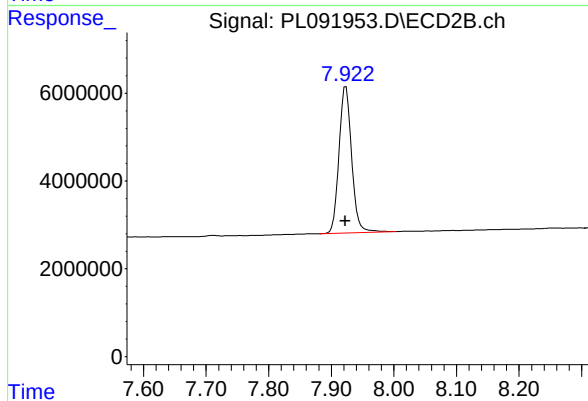
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 45921989
Conc: 18.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 32124664
Conc: 19.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 46897103
Conc: 18.74 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/24/24
Project:	NJ Waste Water PT	Date Received:	09/24/24
Client Sample ID:	PIBLK-PL091991.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091991.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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091991.D	1		09/24/24	PL092424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/24/24	
Project:	NJ Waste Water PT		Date Received:	09/24/24	
Client Sample ID:	PIBLK-PL091991.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091991.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091991.D	1		09/24/24	PL092424

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\PL092424\
Data File : PL091991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:28
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: Sep 25 01:16:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.782	45103558	49097982	20.274	19.576
28)	SA Decachlor...	9.061	7.923	33923814	48894949	20.708	19.543

Target Compounds

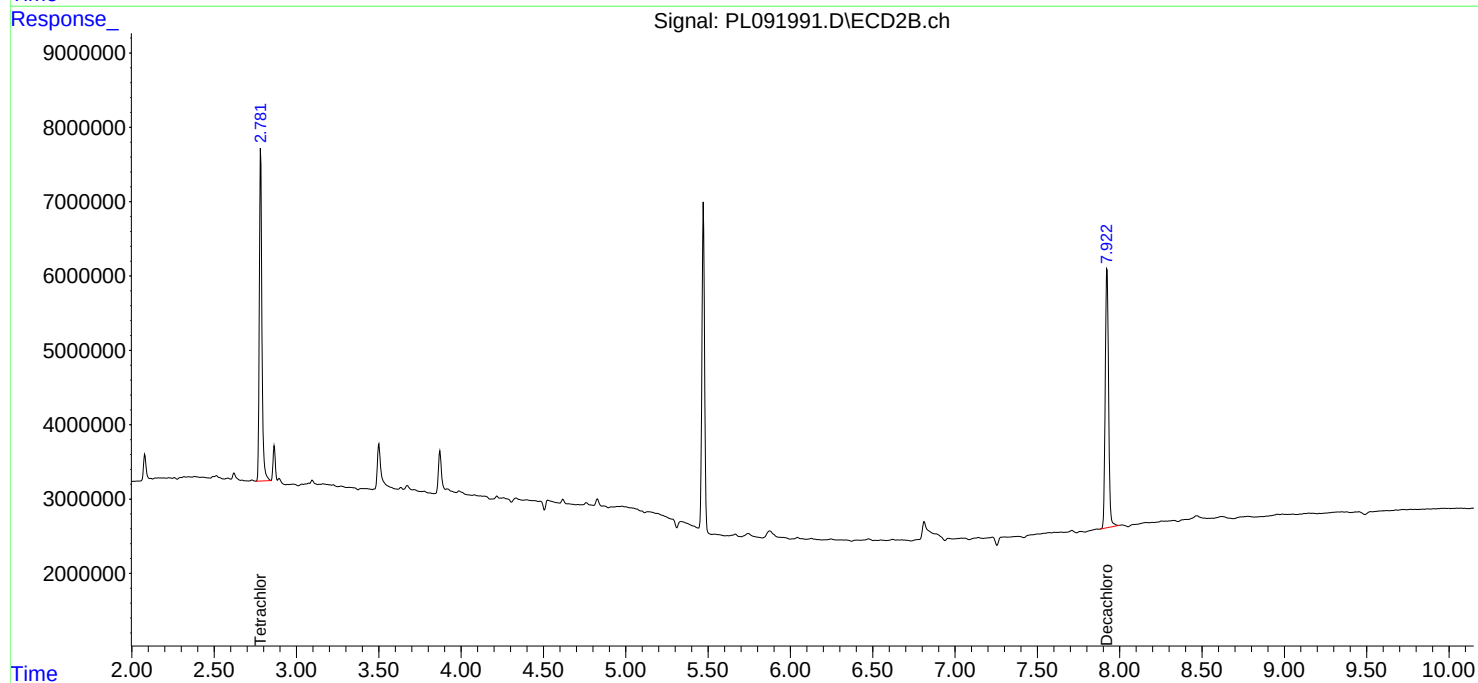
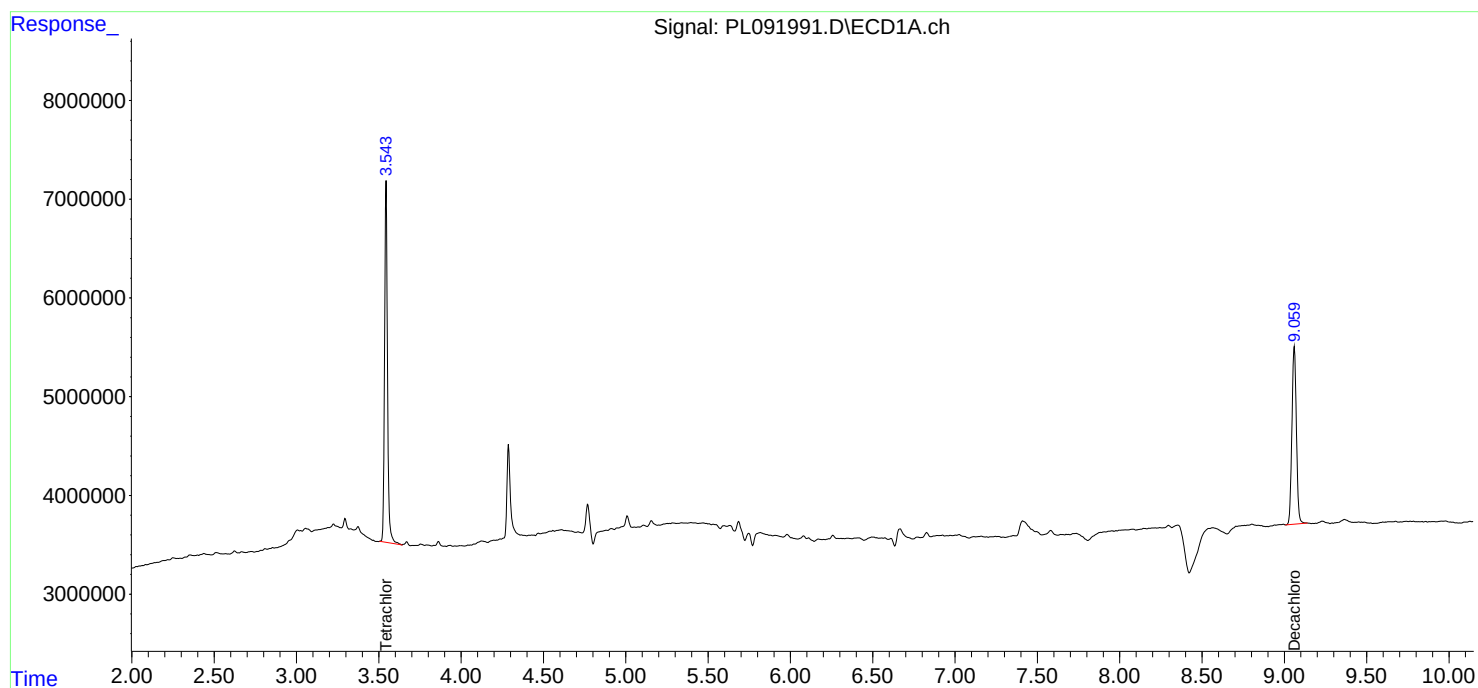
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

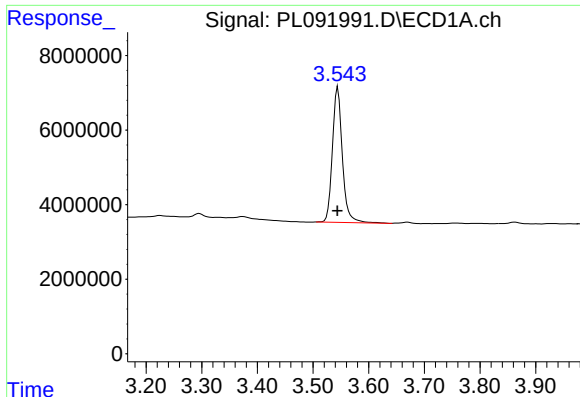
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:16:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

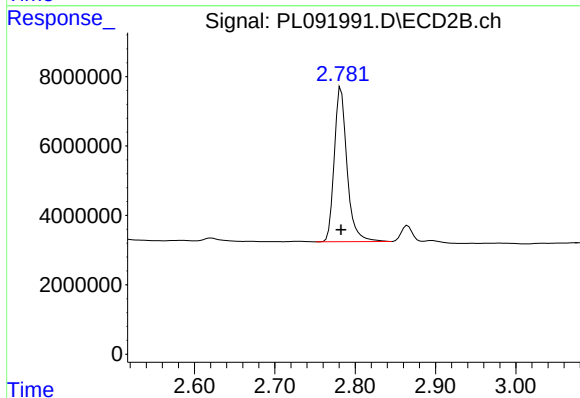




#1 Tetrachloro-m-xylene

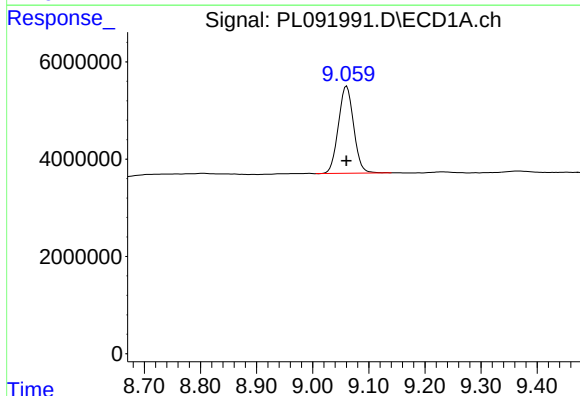
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 45103558
Conc: 20.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



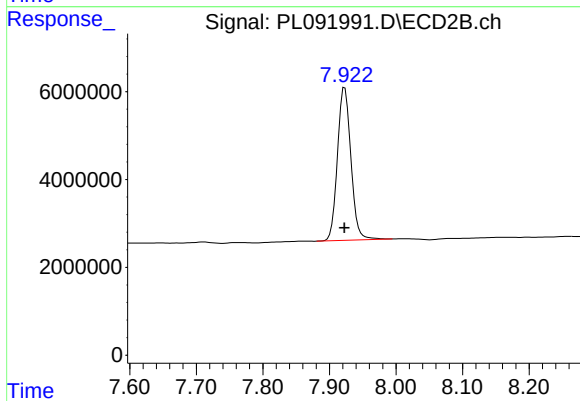
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 49097982
Conc: 19.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 33923814
Conc: 20.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 48894949
Conc: 19.54 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	09/24/24	
Project:	NJ Waste Water PT			Date Received:	09/24/24	
Client Sample ID:	PIBLK-PL092002.D			SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL092002.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 Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092002.D	1		09/24/24	PL092424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	09/24/24	
Project:	NJ Waste Water PT		Date Received:	09/24/24	
Client Sample ID:	PIBLK-PL092002.D		SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL092002.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092002.D	1		09/24/24	PL092424

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\PL092424\
Data File : PL092002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:08
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: Sep 25 01:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.783	44399966	48843118	19.958	19.474
28)	SA Decachlor...	9.061	7.923	34165687	50902131	20.855	20.345

Target Compounds

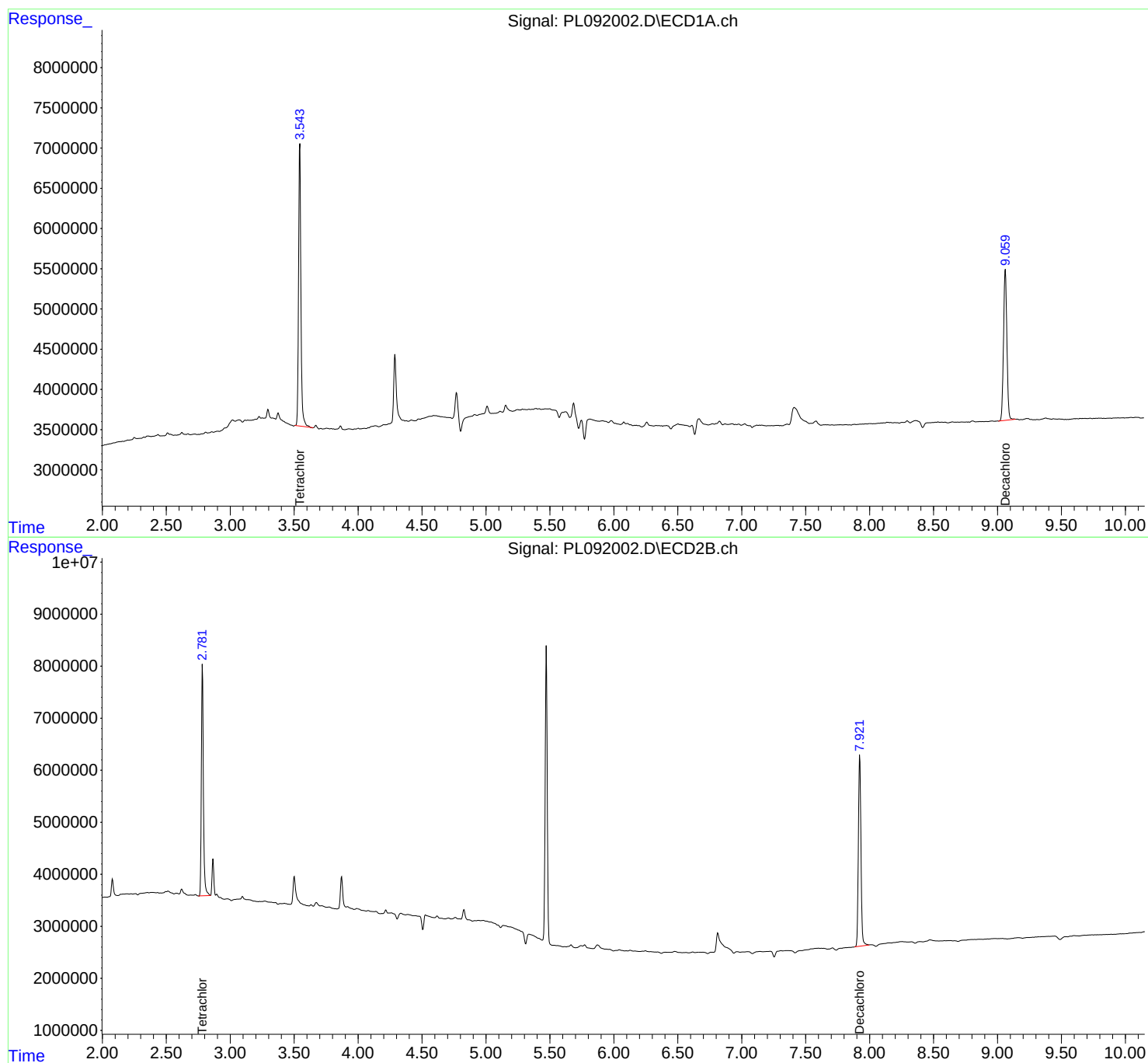
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

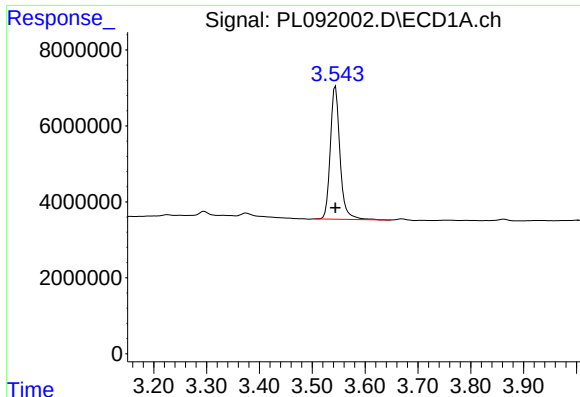
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

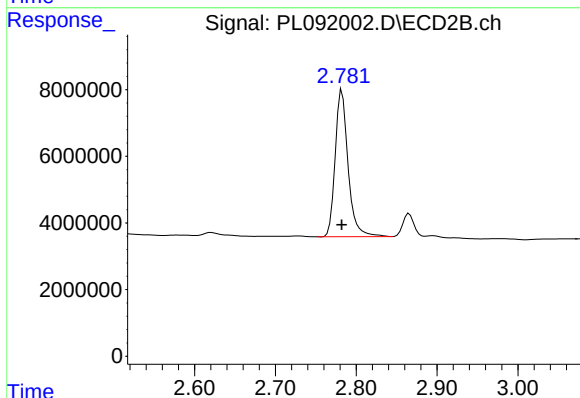




#1 Tetrachloro-m-xylene

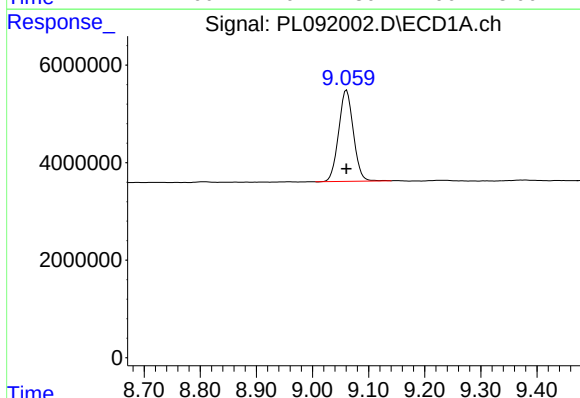
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 44399966
Conc: 19.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



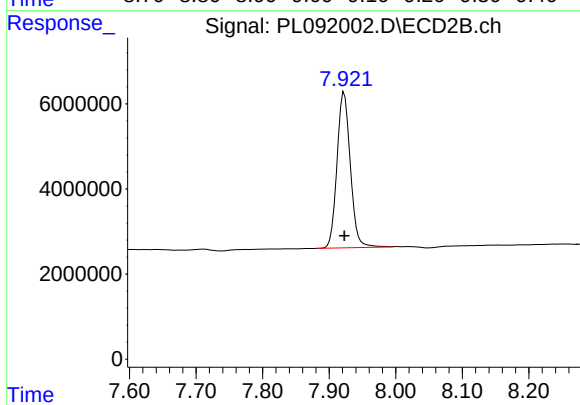
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 48843118
Conc: 19.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 34165687
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 50902131
Conc: 20.35 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163229BS	SDG No.:	P3845
Lab Sample ID:	PB163229BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091611.D	1	09/09/24 10:10	09/10/24 12:57	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.52		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.51		0.014	0.050	ug/L
319-86-8	delta-BHC	0.55		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.52		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0054	0.050	ug/L
309-00-2	Aldrin	0.53		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.50		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.53		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.54		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.56		0.0045	0.050	ug/L
72-20-8	Endrin	0.52		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.54		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.52		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.54		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.55		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.54		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.53		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.54		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.54		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.52		0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		43 - 140	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		77 - 126	99%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163229BS	SDG No.:	P3845
Lab Sample ID:	PB163229BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091611.D	1	09/09/24 10:10	09/10/24 12:57	PB163229

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\PL091024\
 Data File : PL091611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 12:57
 Operator : AR\AJ
 Sample : PB163229BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163229BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 05:32:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.784	30760106	36840957	19.736	19.698
28) SA Decachlor...	9.065	7.926	25448201	39027000	20.939	21.135
Target Compounds						
2) A alpha-BHC	4.006	3.287	111.6E6	138.4E6	51.678	52.027
3) MA gamma-BHC...	4.338	3.618	106.8E6	129.0E6	51.962	52.434
4) MA Heptachlor	4.927	3.958	101.0E6	127.0E6	53.904	52.741
5) MB Aldrin	5.269	4.238	96720716	121.4E6	51.928	53.229
6) B beta-BHC	4.535	3.917	46486304	54428120	51.083	49.821
7) B delta-BHC	4.782	4.147	96672794	125.6E6	50.320	54.610
8) B Heptachlo...	5.694	4.741	83437707	105.2E6	50.001	49.898
9) A Endosulfan I	6.080	5.111	81821521	99900013	52.513	51.779
10) B gamma-Chl...	5.950	4.991	86608068	110.7E6	51.837	50.175
11) B alpha-Chl...	6.030	5.055	86468456	108.8E6	53.646	52.584
12) B 4,4'-DDE	6.203	5.244	76542545	106.8E6	52.475	56.294
13) MA Dieldrin	6.353	5.375	86969179	110.5E6	53.298m	53.748
14) MA Endrin	6.583	5.650	69675111	97275373	52.400m	51.545
15) B Endosulfa...	6.803	5.945	79593972	94954743	51.351	53.680
16) A 4,4'-DDD	6.719	5.799	65580960	86489123	51.738	51.612
17) MA 4,4'-DDT	7.032	6.049	69037023	88462927	52.630	55.056
18) B Endrin al...	6.932	6.124	60645306	73992843	51.043m	54.126
19) B Endosulfa...	7.167	6.347	71299941	92249985	51.060	53.755
20) A Methoxychlor	7.508	6.624	35497850	47513888	52.475	53.642
21) B Endrin ke...	7.652	6.851	79954124	106.9E6	51.706	53.160m
22) Mirex	8.126	7.034	61718193	84975383	51.542	47.921

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:57
Operator : AR\AJ
Sample : PB163229BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163229BS

Manual Integrations

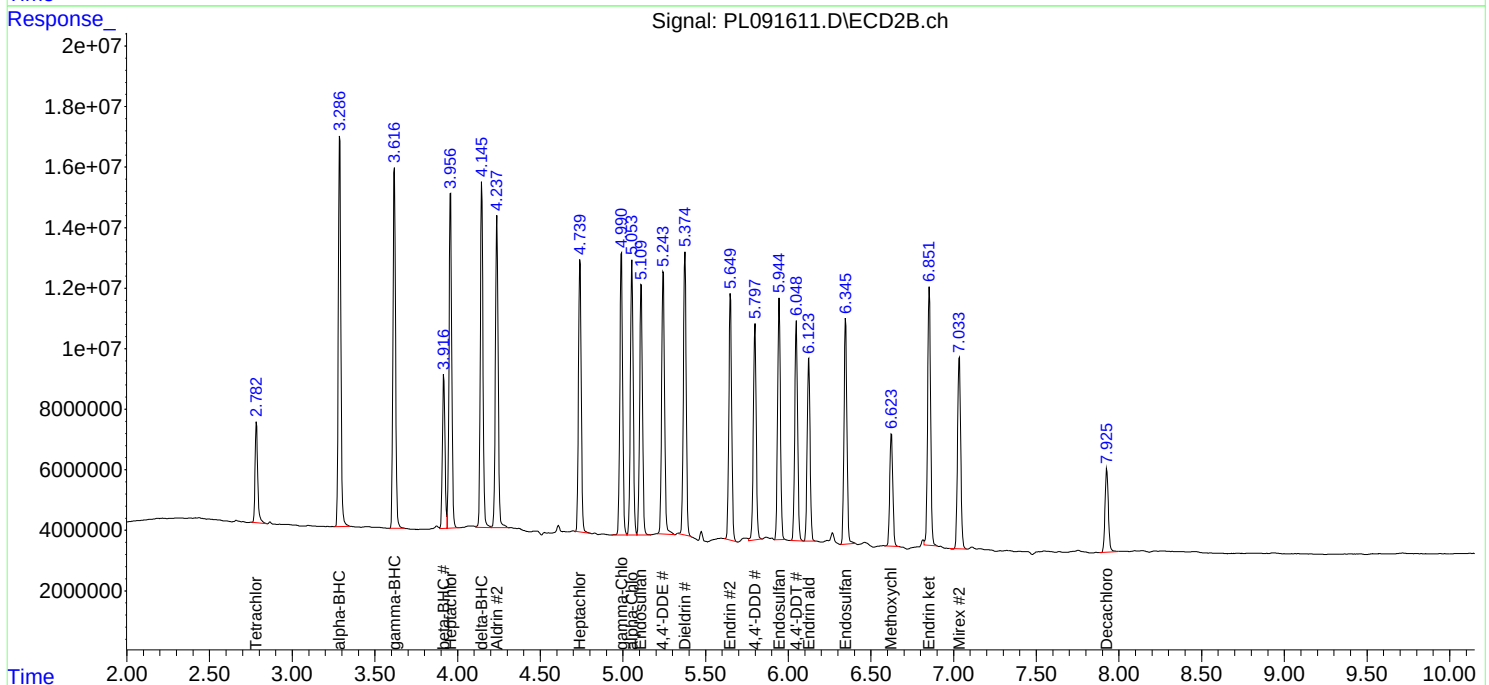
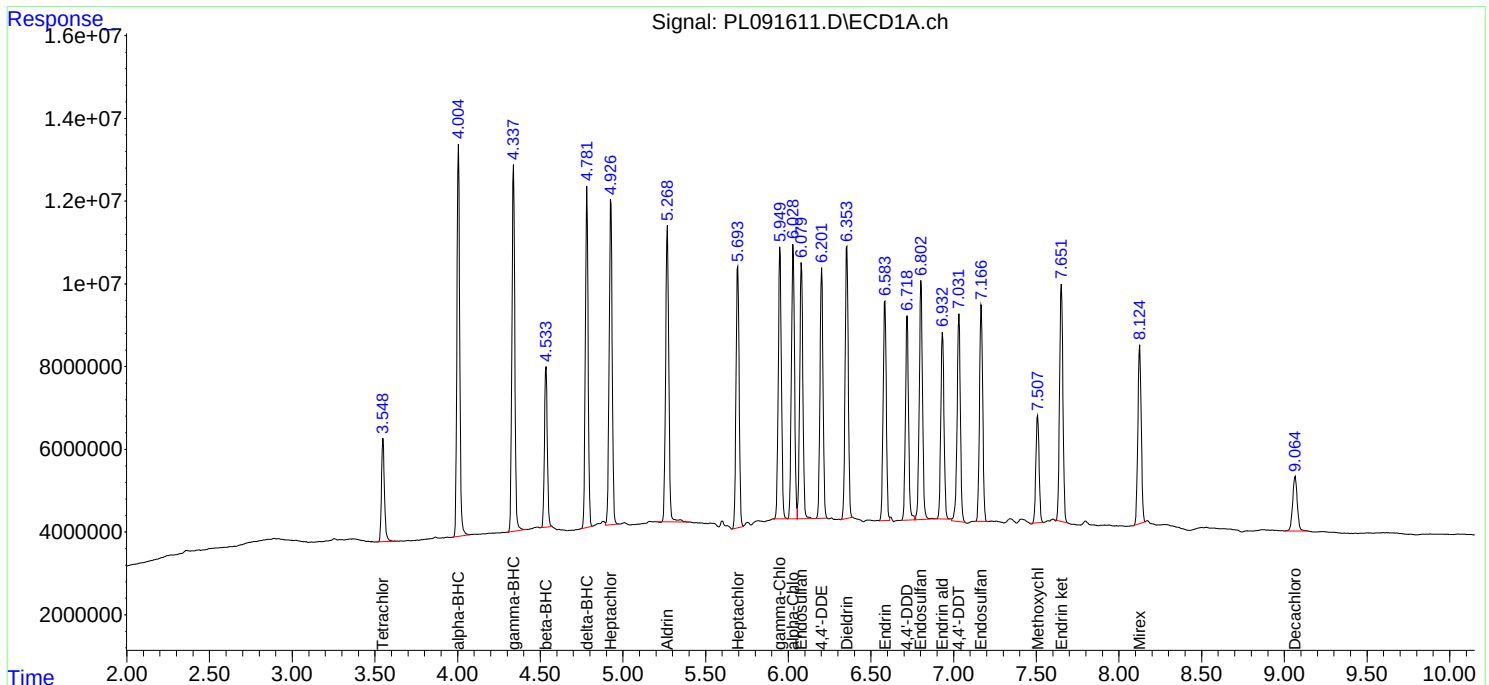
APPROVED

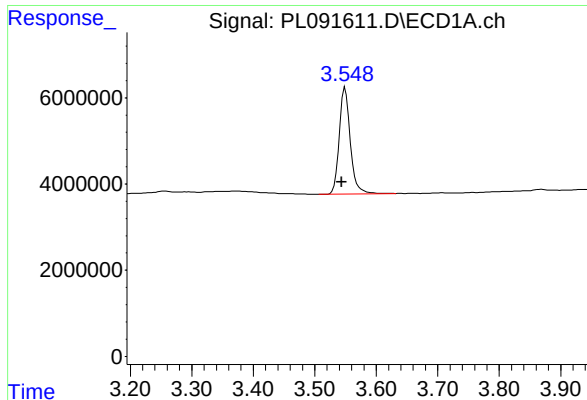
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:32:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.005 min
Response: 30760106
Conc: 19.74 ng/ml

Instrument :

ECD_L

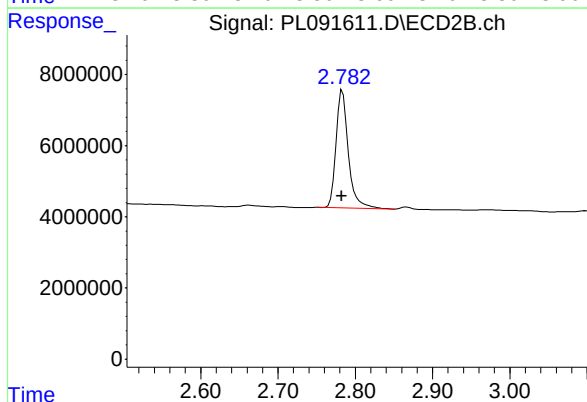
ClientSampleId :

PB163229BS

Manual Integrations

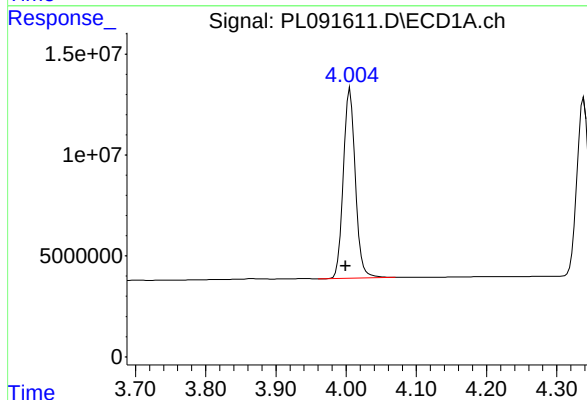
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



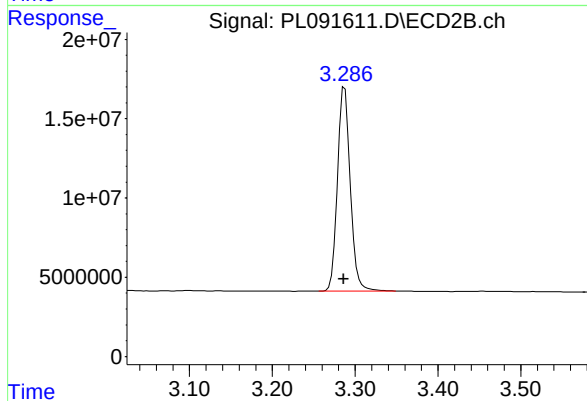
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.000 min
Response: 36840957
Conc: 19.70 ng/ml



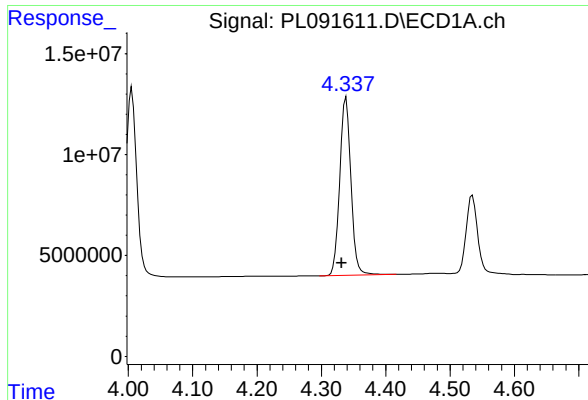
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.006 min
Response: 111620772
Conc: 51.68 ng/ml



#2 alpha-BHC

R.T.: 3.287 min
Delta R.T.: 0.001 min
Response: 138368220
Conc: 52.03 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.007 min
Response: 106819356
Conc: 51.96 ng/ml

Instrument :

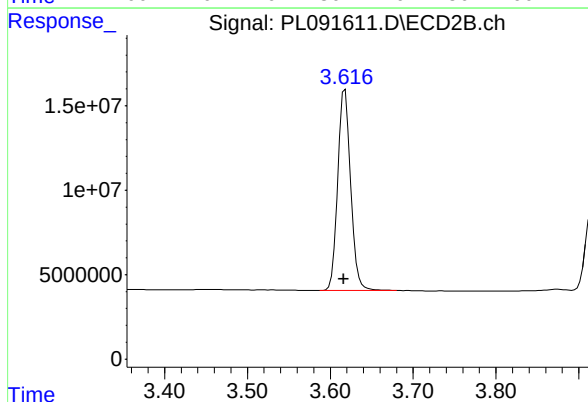
ECD_L

ClientSampleId :

PB163229BS

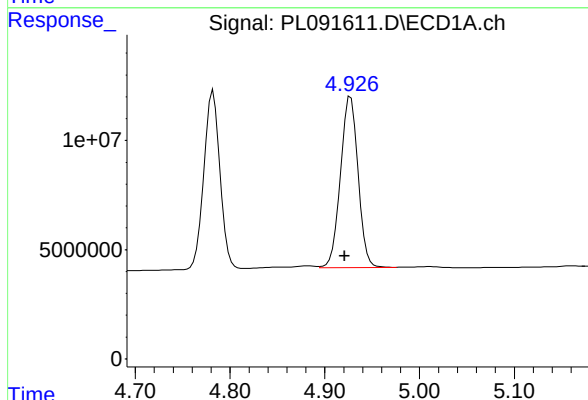
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



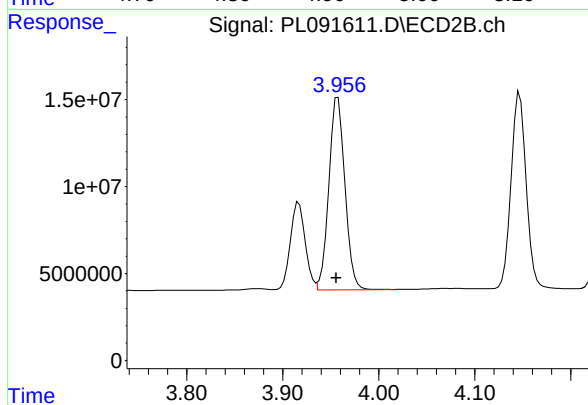
#3 gamma-BHC (Lindane)

R.T.: 3.618 min
Delta R.T.: 0.002 min
Response: 128958569
Conc: 52.43 ng/ml



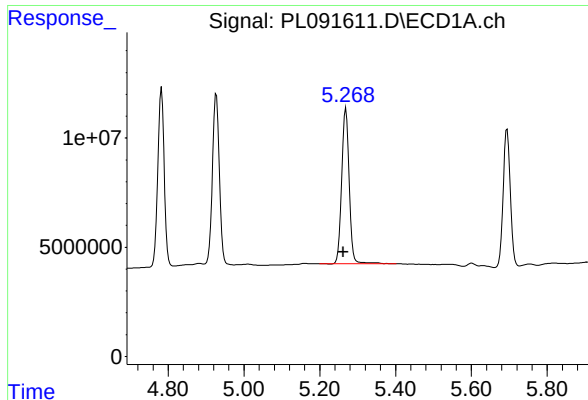
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.006 min
Response: 100964193
Conc: 53.90 ng/ml



#4 Heptachlor

R.T.: 3.958 min
Delta R.T.: 0.002 min
Response: 127017899
Conc: 52.74 ng/ml



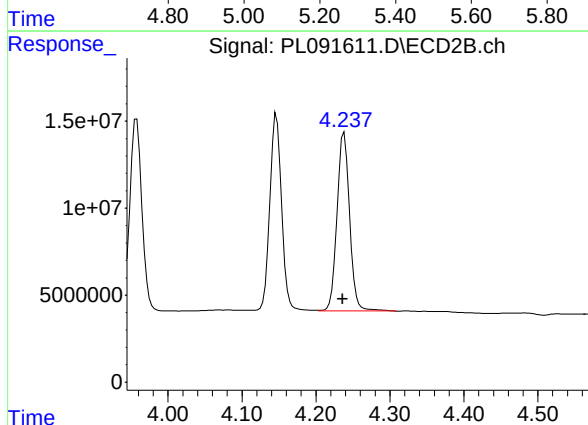
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.006 min
Response: 96720716
Conc: 51.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

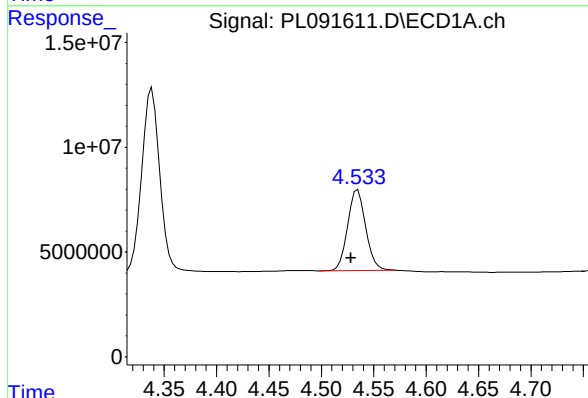
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



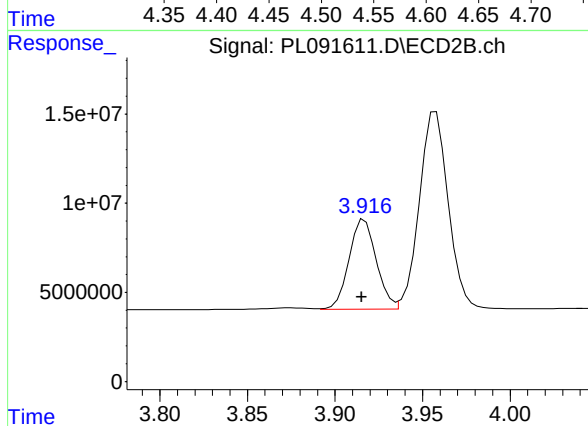
#5 Aldrin

R.T.: 4.238 min
Delta R.T.: 0.002 min
Response: 121441144
Conc: 53.23 ng/ml



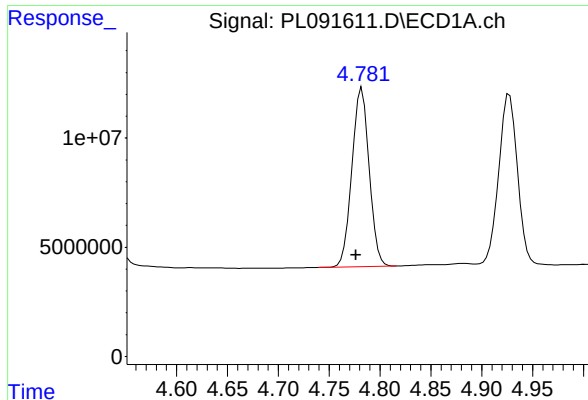
#6 beta-BHC

R.T.: 4.535 min
Delta R.T.: 0.006 min
Response: 46486304
Conc: 51.08 ng/ml



#6 beta-BHC

R.T.: 3.917 min
Delta R.T.: 0.002 min
Response: 54428120
Conc: 49.82 ng/ml



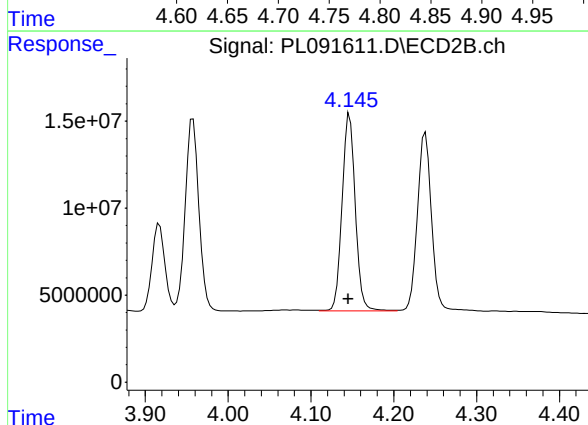
#7 delta-BHC

R.T.: 4.782 min
Delta R.T.: 0.006 min
Response: 96672794
Conc: 50.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

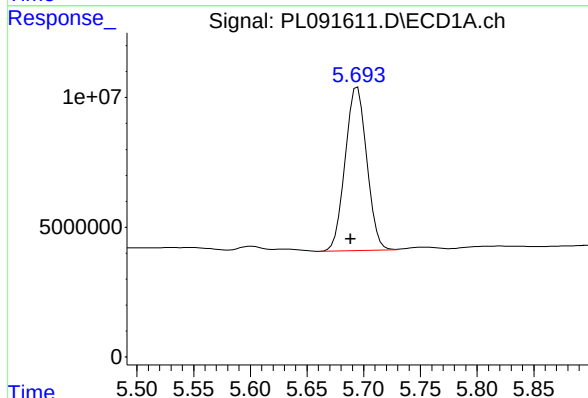
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



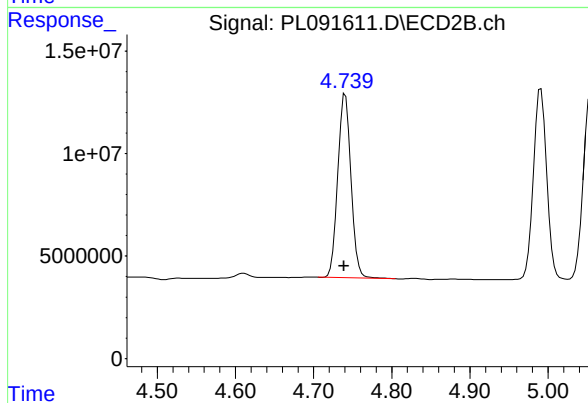
#7 delta-BHC

R.T.: 4.147 min
Delta R.T.: 0.002 min
Response: 125643802
Conc: 54.61 ng/ml



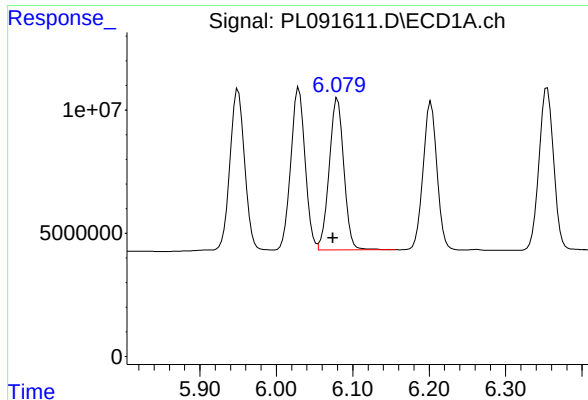
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.006 min
Response: 83437707
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min
Delta R.T.: 0.001 min
Response: 105170644
Conc: 49.90 ng/ml



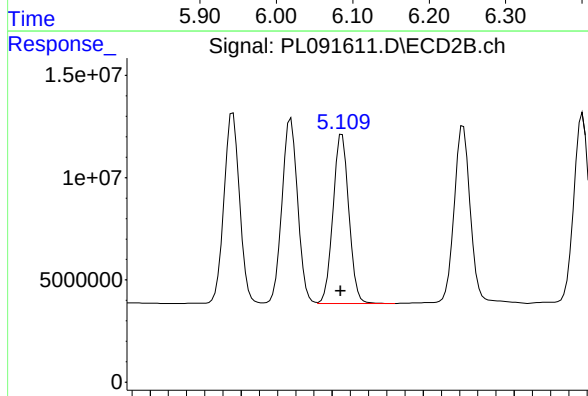
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.006 min
Response: 81821521
Conc: 52.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

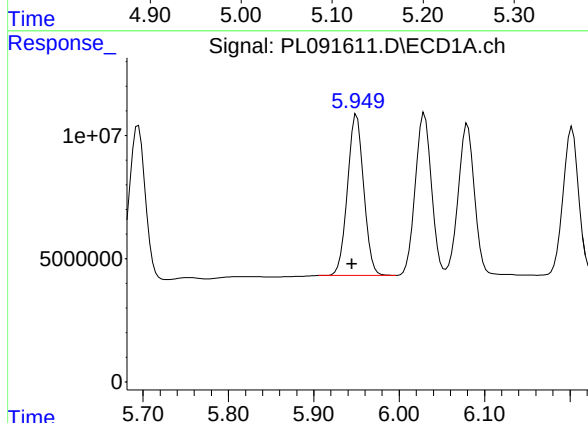
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



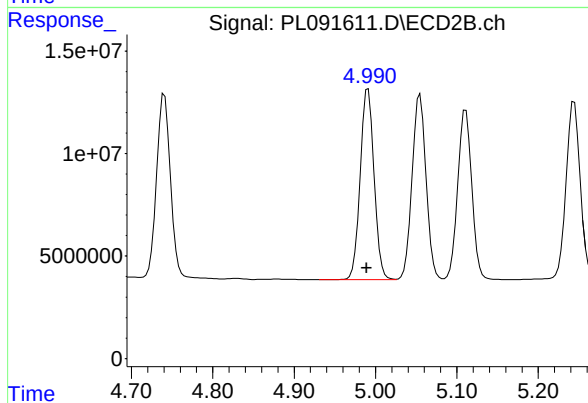
#9 Endosulfan I

R.T.: 5.111 min
Delta R.T.: 0.002 min
Response: 99900013
Conc: 51.78 ng/ml



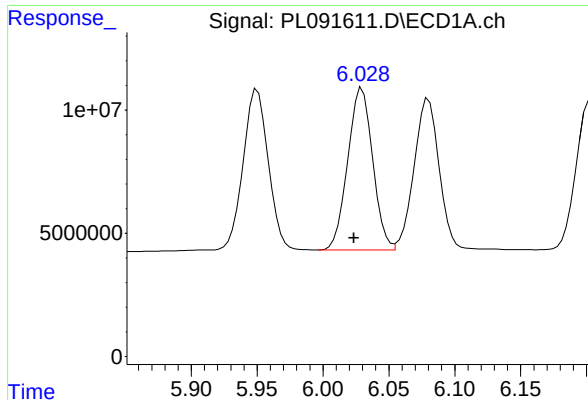
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.005 min
Response: 86608068
Conc: 51.84 ng/ml



#10 gamma-Chlordane

R.T.: 4.991 min
Delta R.T.: 0.002 min
Response: 110670352
Conc: 50.18 ng/ml



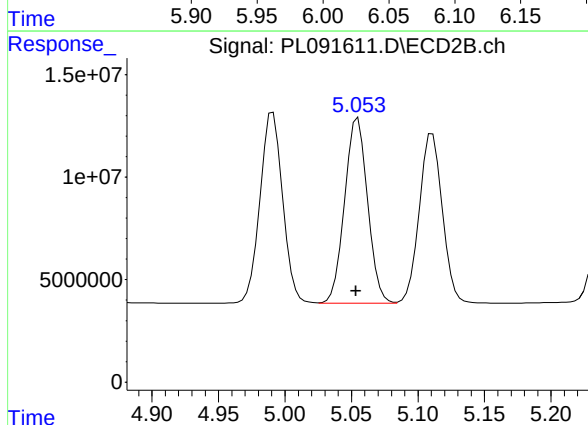
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.006 min
Response: 86468456
Conc: 53.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

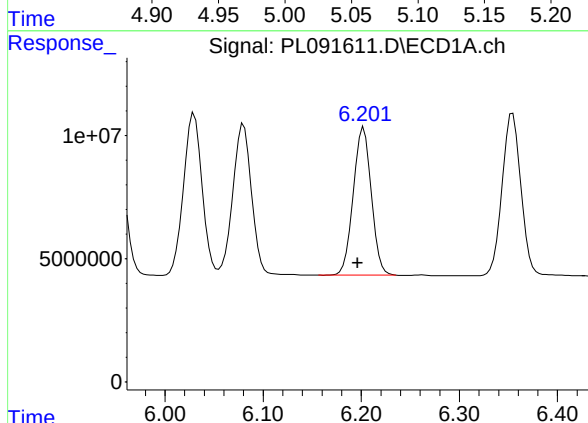
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



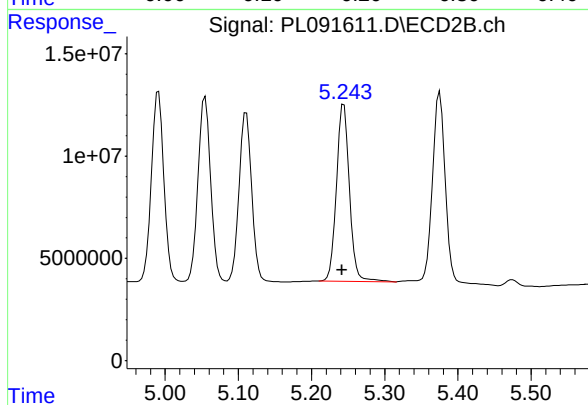
#11 alpha-Chlordane

R.T.: 5.055 min
Delta R.T.: 0.002 min
Response: 108796811
Conc: 52.58 ng/ml



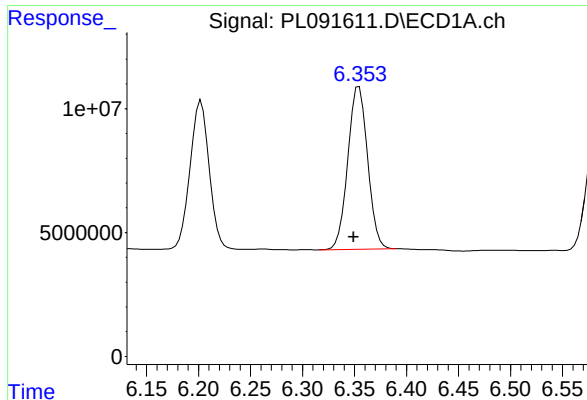
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.006 min
Response: 76542545
Conc: 52.47 ng/ml



#12 4,4'-DDE

R.T.: 5.244 min
Delta R.T.: 0.002 min
Response: 106772310
Conc: 56.29 ng/ml



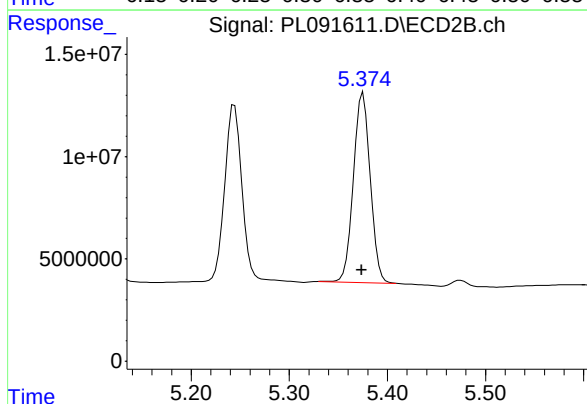
#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.004 min
Response: 86969179
Conc: 53.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

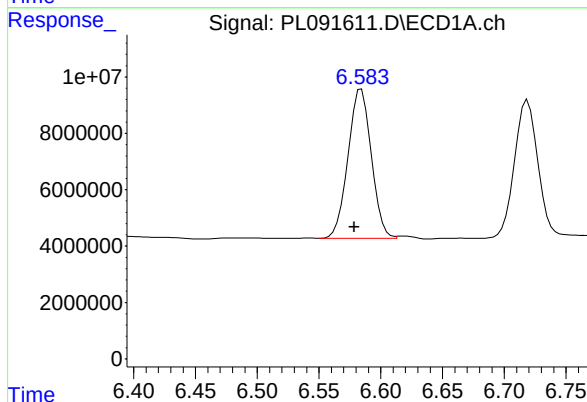
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



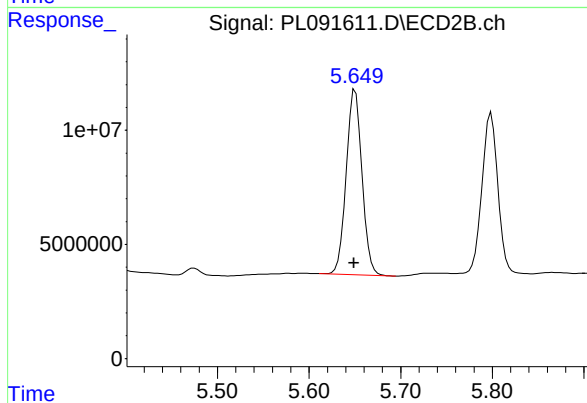
#13 Dieldrin

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 110475854
Conc: 53.75 ng/ml



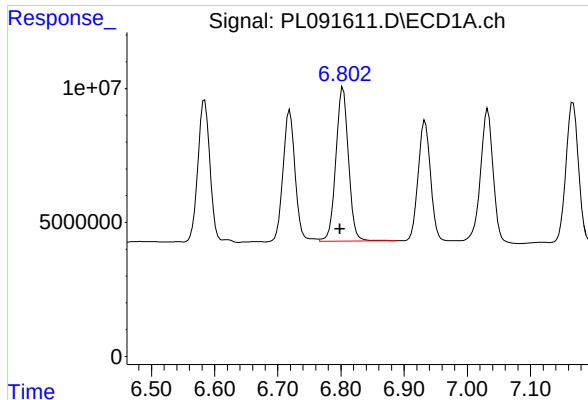
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.004 min
Response: 69675111
Conc: 52.40 ng/ml m



#14 Endrin

R.T.: 5.650 min
Delta R.T.: 0.002 min
Response: 97275373
Conc: 51.54 ng/ml



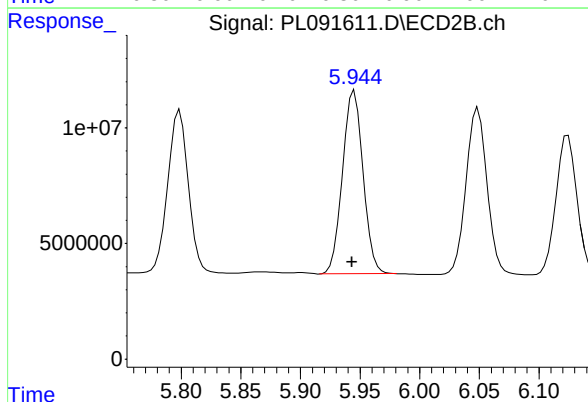
#15 Endosulfan II

R.T.: 6.803 min
Delta R.T.: 0.005 min
Response: 79593972
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

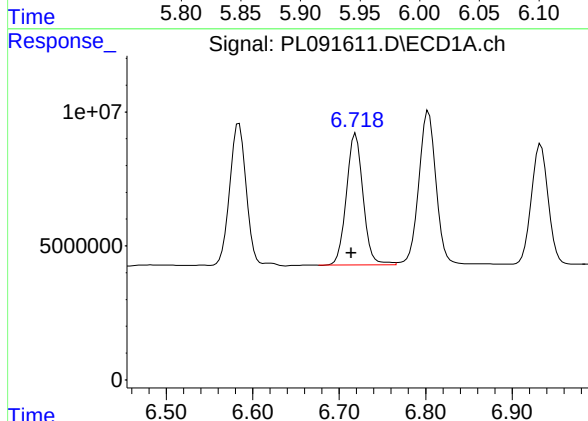
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



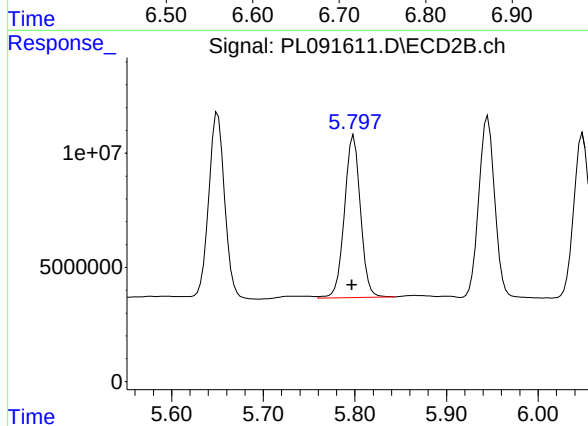
#15 Endosulfan II

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 94954743
Conc: 53.68 ng/ml



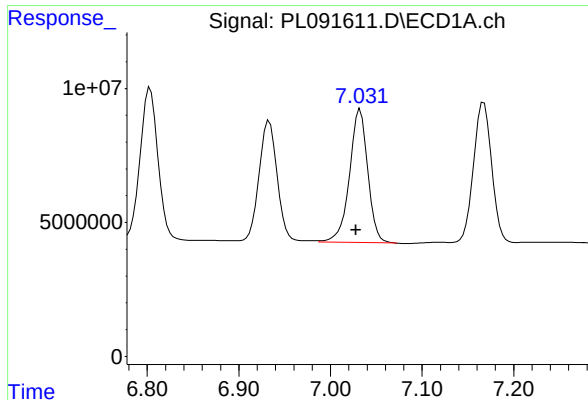
#16 4,4'-DDD

R.T.: 6.719 min
Delta R.T.: 0.005 min
Response: 65580960
Conc: 51.74 ng/ml



#16 4,4'-DDD

R.T.: 5.799 min
Delta R.T.: 0.002 min
Response: 86489123
Conc: 51.61 ng/ml



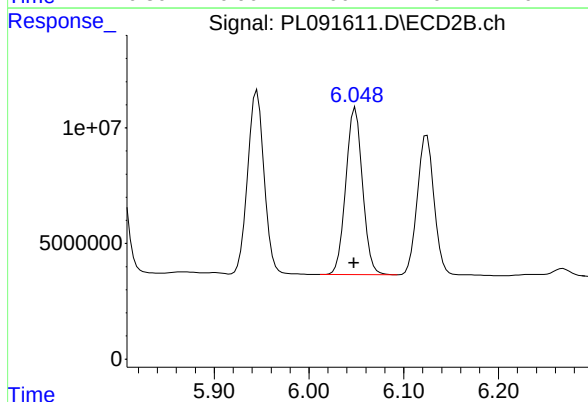
#17 4,4'-DDT

R.T.: 7.032 min
Delta R.T.: 0.005 min
Response: 69037023
Conc: 52.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

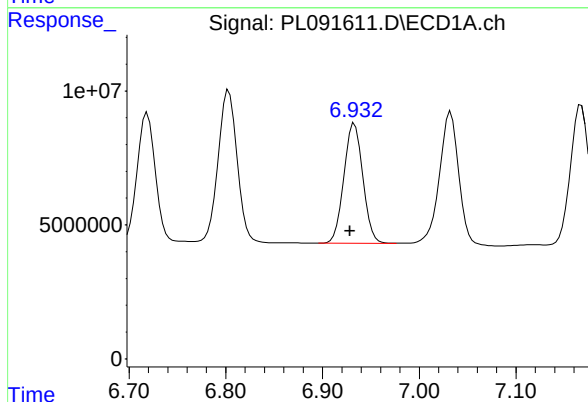
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



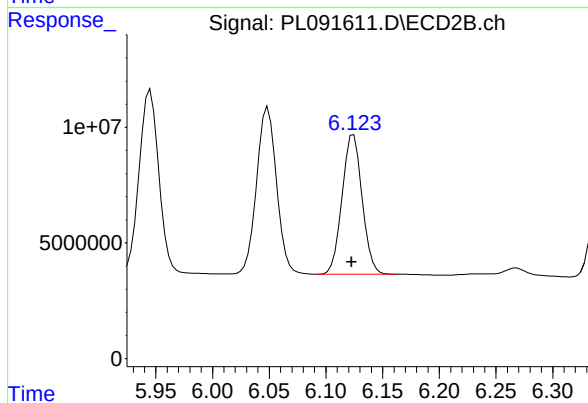
#17 4,4'-DDT

R.T.: 6.049 min
Delta R.T.: 0.001 min
Response: 88462927
Conc: 55.06 ng/ml



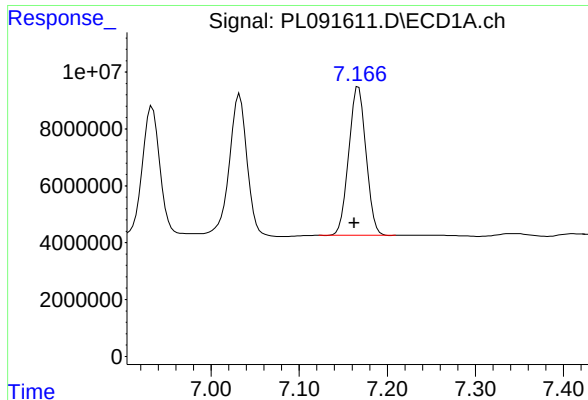
#18 Endrin aldehyde

R.T.: 6.932 min
Delta R.T.: 0.003 min
Response: 60645306
Conc: 51.04 ng/ml m



#18 Endrin aldehyde

R.T.: 6.124 min
Delta R.T.: 0.002 min
Response: 73992843
Conc: 54.13 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.167 min
Delta R.T.: 0.005 min
Response: 71299941
Conc: 51.06 ng/ml

Instrument :

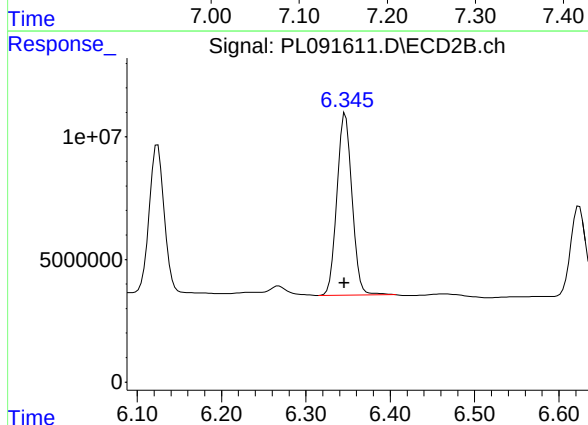
ECD_L

ClientSampleId :

PB163229BS

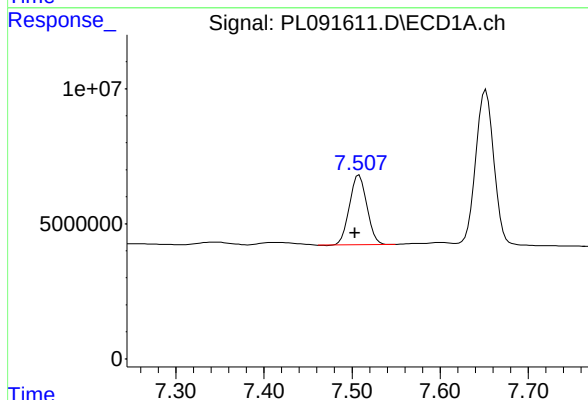
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



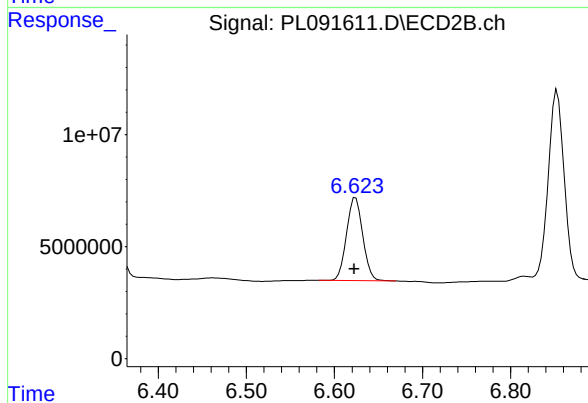
#19 Endosulfan Sulfate

R.T.: 6.347 min
Delta R.T.: 0.001 min
Response: 92249985
Conc: 53.76 ng/ml



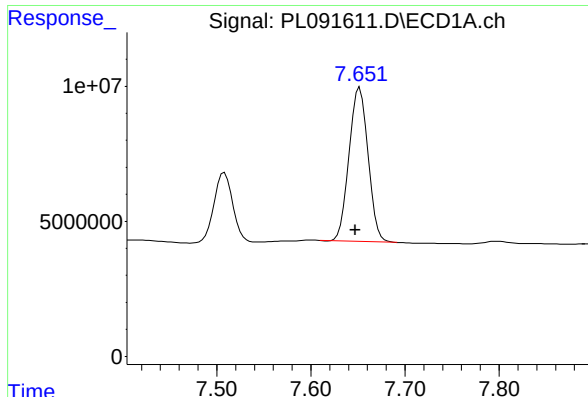
#20 Methoxychlor

R.T.: 7.508 min
Delta R.T.: 0.005 min
Response: 35497850
Conc: 52.48 ng/ml



#20 Methoxychlor

R.T.: 6.624 min
Delta R.T.: 0.001 min
Response: 47513888
Conc: 53.64 ng/ml



#21 Endrin ketone

R.T.: 7.652 min
Delta R.T.: 0.005 min
Response: 79954124
Conc: 51.71 ng/ml

Instrument :

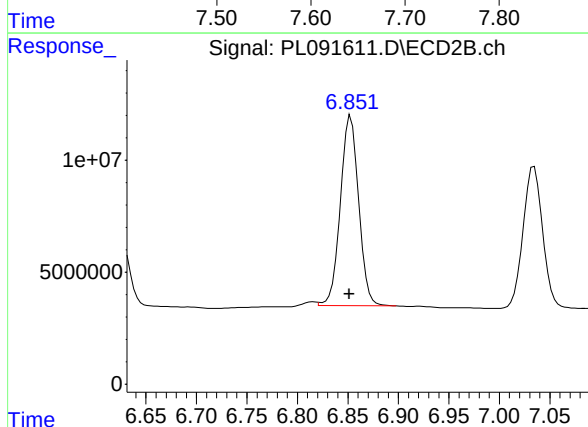
ECD_L

ClientSampleId :

PB163229BS

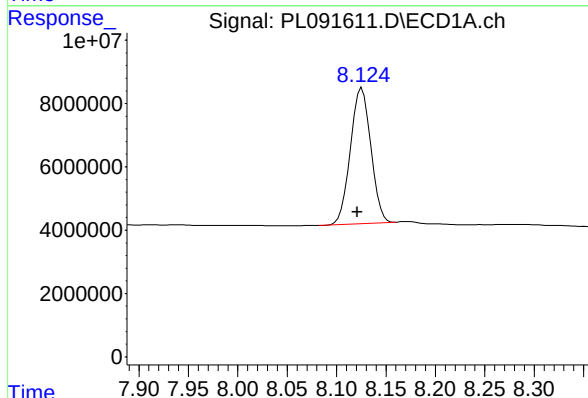
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



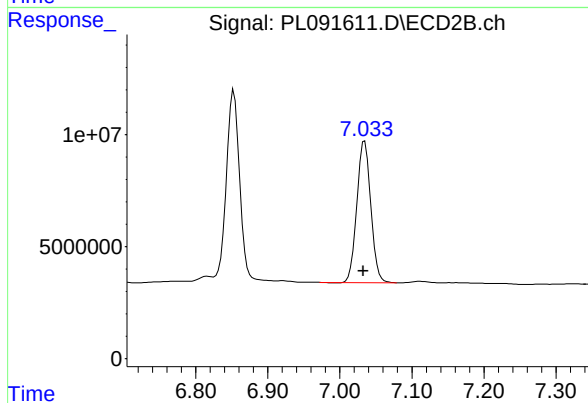
#21 Endrin ketone

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 106927057
Conc: 53.16 ng/ml



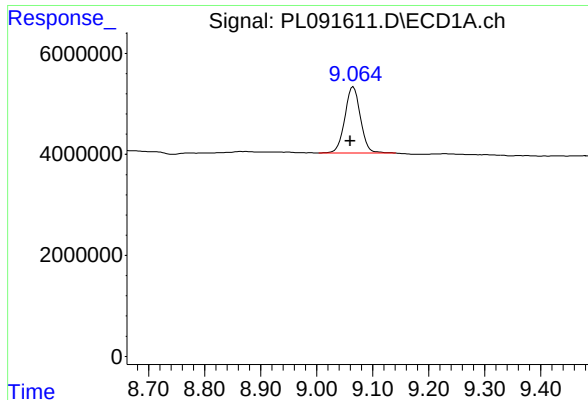
#22 Mirex

R.T.: 8.126 min
Delta R.T.: 0.005 min
Response: 61718193
Conc: 51.54 ng/ml



#22 Mirex

R.T.: 7.034 min
Delta R.T.: 0.002 min
Response: 84975383
Conc: 47.92 ng/ml



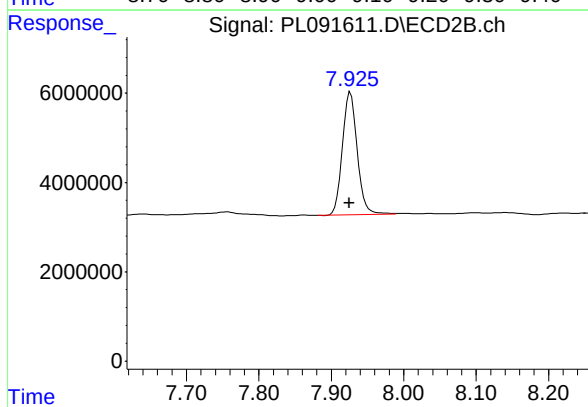
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.005 min
Response: 25448201
Conc: 20.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.002 min
Response: 39027000
Conc: 21.14 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163229BSD	SDG No.:	P3845
Lab Sample ID:	PB163229BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091654.D	1	09/09/24 10:10	09/11/24 13:13	PB163229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.47		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.46		0.014	0.050	ug/L
319-86-8	delta-BHC	0.47		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.47		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0054	0.050	ug/L
309-00-2	Aldrin	0.46		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.46		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.48		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.48		0.0045	0.050	ug/L
72-20-8	Endrin	0.44		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.50		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.50		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.45		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.46		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.51		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.50		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.47		0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		77 - 126	89%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB163229BSD		SDG No.:	P3845	
Lab Sample ID:	PB163229BSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091654.D	1	09/09/24 10:10	09/11/24 13:13	PB163229

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\PL091124\
 Data File : PL091654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2024 13:13
 Operator : AR\AJ
 Sample : PB163229BSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163229BSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 04:43:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 19:26:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.784	27662677	32707793	17.748	17.488
28) SA Decachlor...	9.071	7.928	26138804	36897636	21.508	19.982
Target Compounds						
2) A alpha-BHC	4.008	3.288	101.3E6	121.2E6	46.881	45.554
3) MA gamma-BHC...	4.341	3.618	95866661	111.9E6	46.634	45.497
4) MA Heptachlor	4.930	3.958	88480545	108.1E6	47.239	44.902
5) MB Aldrin	5.271	4.238	80067459	105.1E6	42.987	46.050
6) B beta-BHC	4.538	3.917	41577073	47124489	45.688	43.136
7) B delta-BHC	4.785	4.147	89388751	106.7E6	46.528	46.356
8) B Heptachlo...	5.698	4.741	76159024	94044247	45.639	44.619
9) A Endosulfan I	6.083	5.111	74456747	86492870	47.787	44.830
10) B gamma-Chl...	5.954	4.991	79289512	100.3E6	47.457	45.465
11) B alpha-Chl...	6.032	5.055	78791153	95593722	48.883	46.203
12) B 4,4'-DDE	6.205	5.243	70189310	88797895	48.119	46.817m
13) MA Dieldrin	6.357	5.376	78218151	93295825	47.935m	45.390
14) MA Endrin	6.586	5.652	58478123	79313886	43.979m	42.027
15) B Endosulfa...	6.805	5.946	72896934	84959680	47.030m	48.029
16) A 4,4'-DDD	6.723	5.799	62804894	81304611	49.548	48.518
17) MA 4,4'-DDT	7.036	6.050	58822254	69993515	44.843	43.561
18) B Endrin al...	6.937	6.125	59572752	67046815	50.140	49.045
19) B Endosulfa...	7.171	6.349	66156816	85140309	47.377	49.612
20) A Methoxychlor	7.512	6.626	31144397	37592242	46.040	42.441
21) B Endrin ke...	7.654	6.853	78283421	103.3E6	50.626m	51.371m
22) Mirex	8.130	7.035	60693215	81771636	50.686	46.114

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091124\
Data File : PL091654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2024 13:13
Operator : AR\AJ
Sample : PB163229BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163229BSD

Manual Integrations

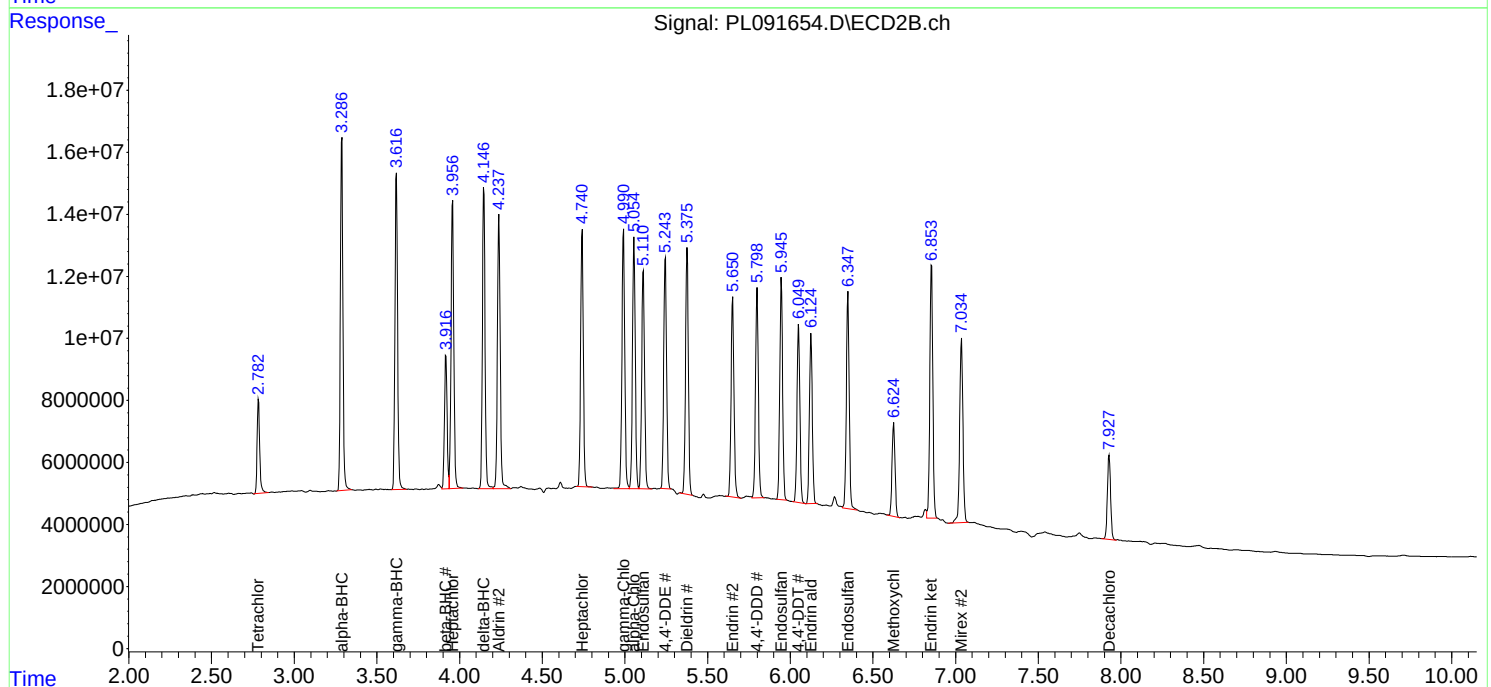
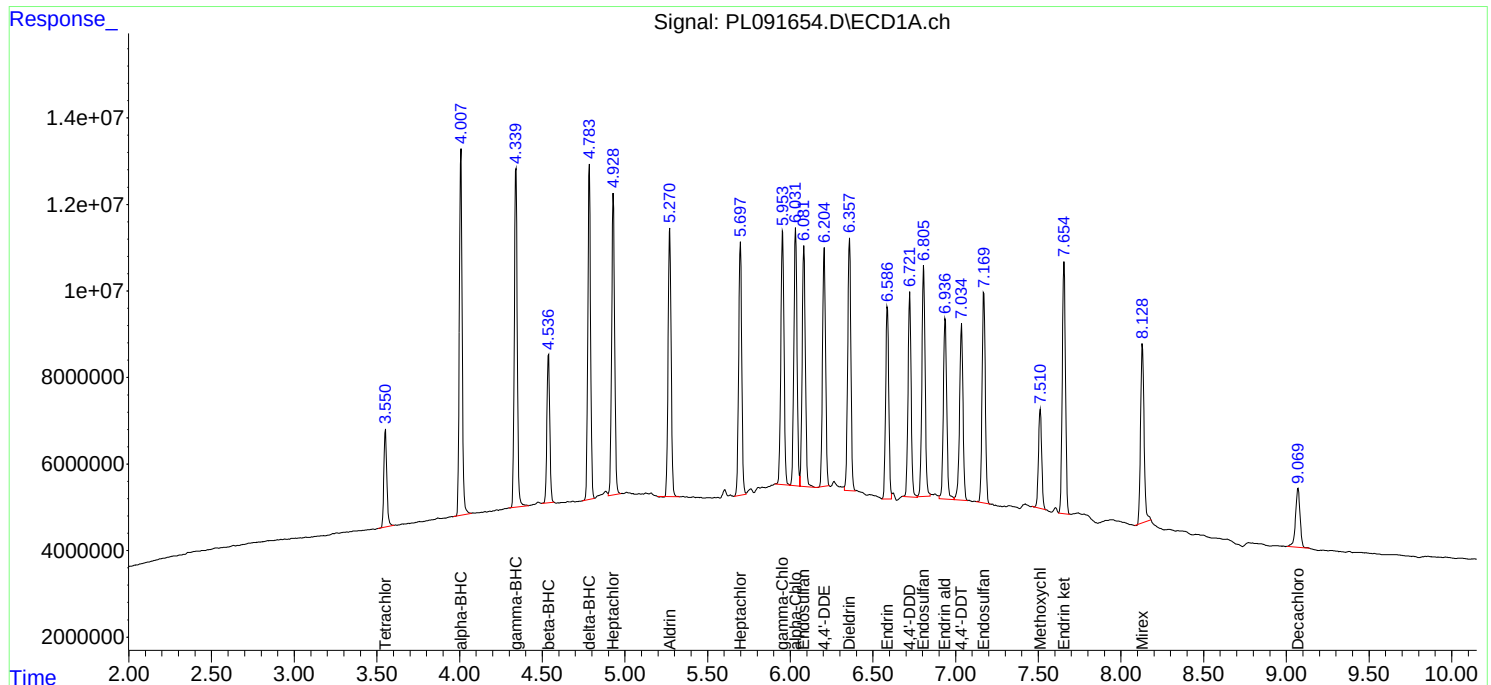
APPROVED

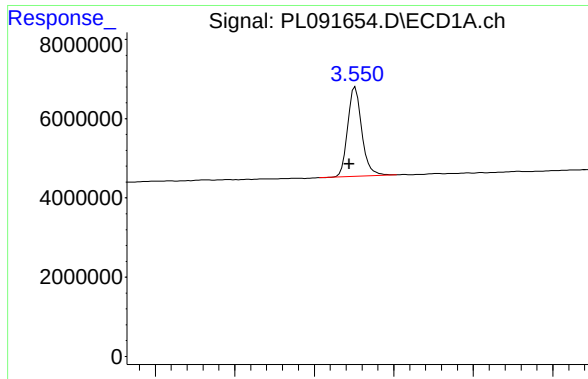
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 04:43:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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





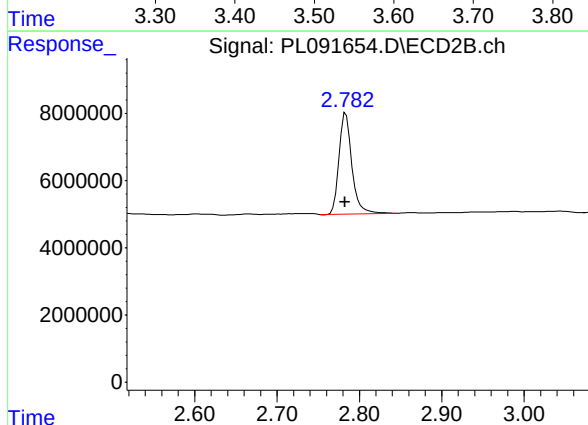
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.008 min
Response: 27662677
Conc: 17.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

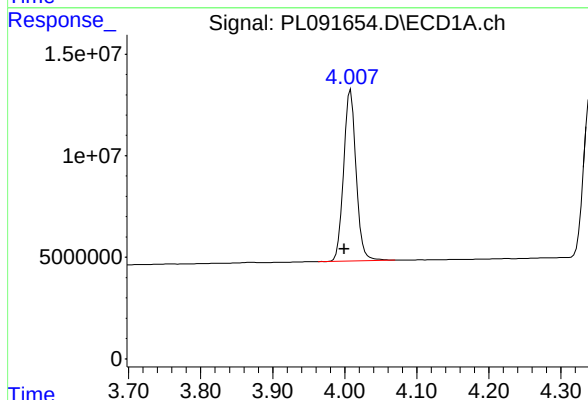
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



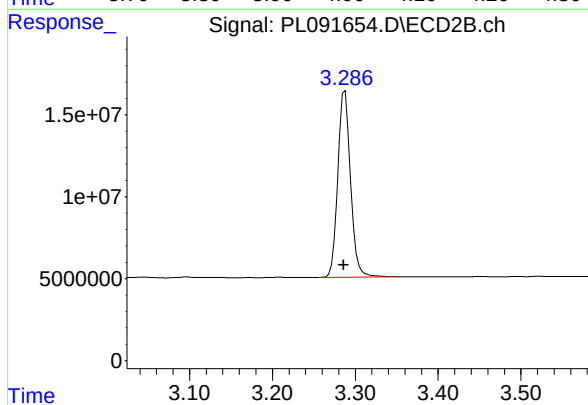
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: 0.000 min
Response: 32707793
Conc: 17.49 ng/ml



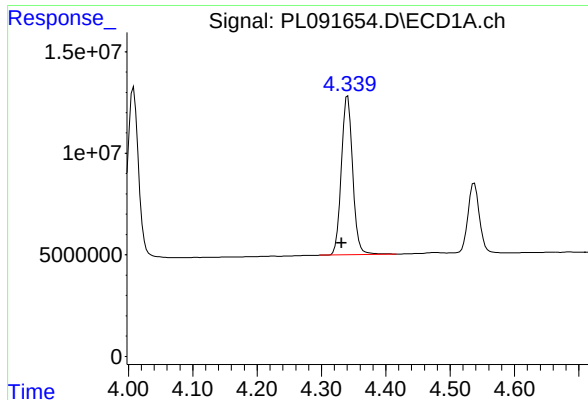
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.009 min
Response: 101258526
Conc: 46.88 ng/ml



#2 alpha-BHC

R.T.: 3.288 min
Delta R.T.: 0.002 min
Response: 121153258
Conc: 45.55 ng/ml



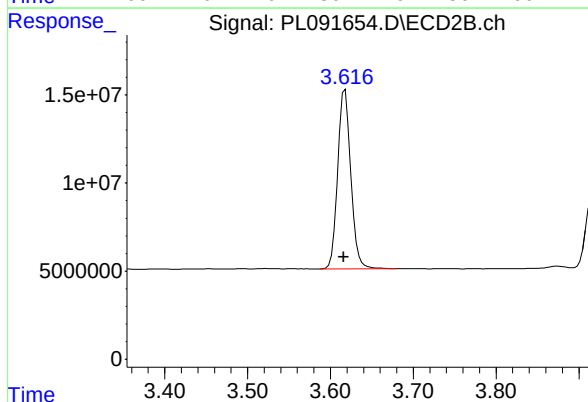
#3 gamma-BHC (Lindane)

R.T.: 4.341 min
Delta R.T.: 0.009 min
Response: 95866661
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

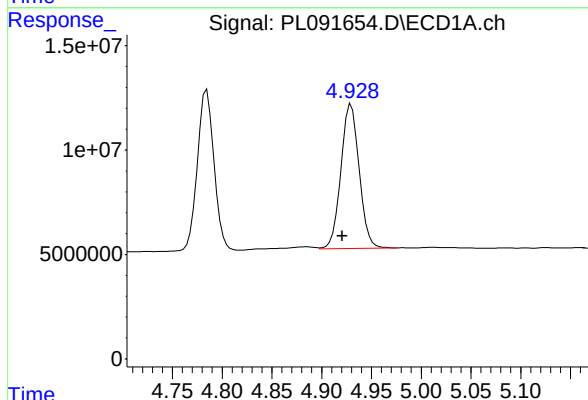
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



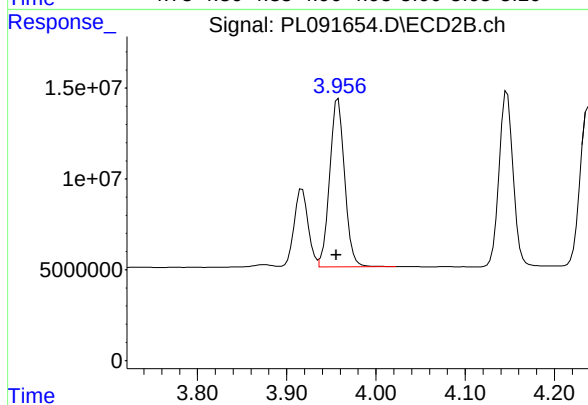
#3 gamma-BHC (Lindane)

R.T.: 3.618 min
Delta R.T.: 0.002 min
Response: 111898297
Conc: 45.50 ng/ml



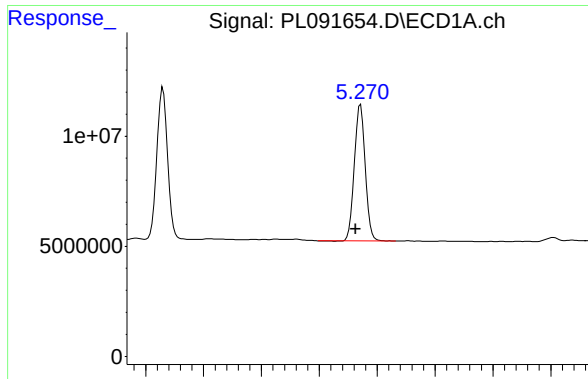
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.009 min
Response: 88480545
Conc: 47.24 ng/ml



#4 Heptachlor

R.T.: 3.958 min
Delta R.T.: 0.002 min
Response: 108138163
Conc: 44.90 ng/ml



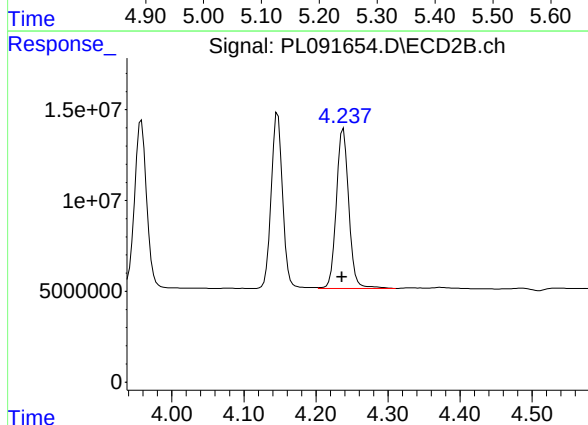
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.009 min
Response: 80067459
Conc: 42.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

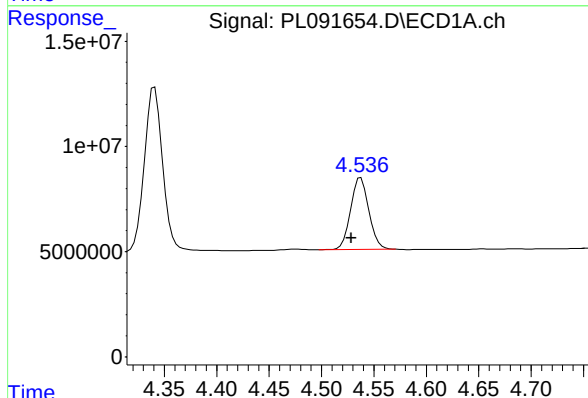
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



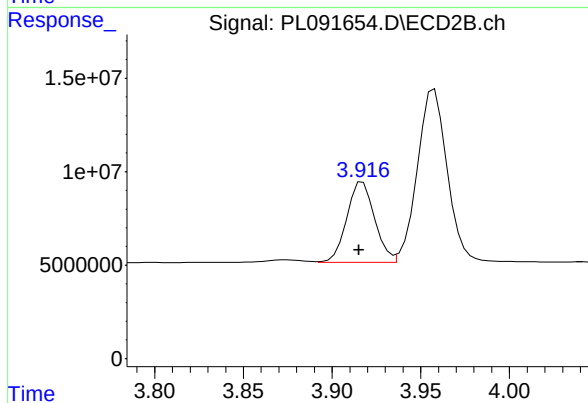
#5 Aldrin

R.T.: 4.238 min
Delta R.T.: 0.002 min
Response: 105063358
Conc: 46.05 ng/ml



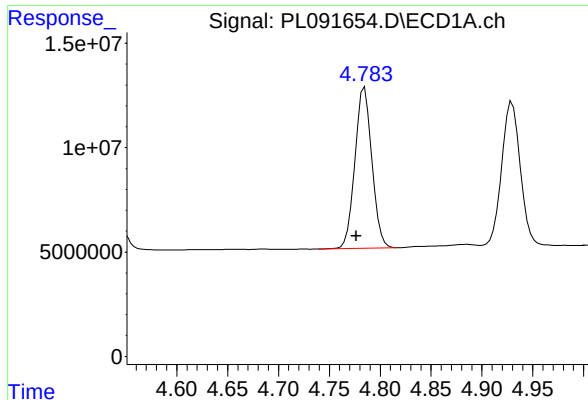
#6 beta-BHC

R.T.: 4.538 min
Delta R.T.: 0.009 min
Response: 41577073
Conc: 45.69 ng/ml



#6 beta-BHC

R.T.: 3.917 min
Delta R.T.: 0.002 min
Response: 47124489
Conc: 43.14 ng/ml



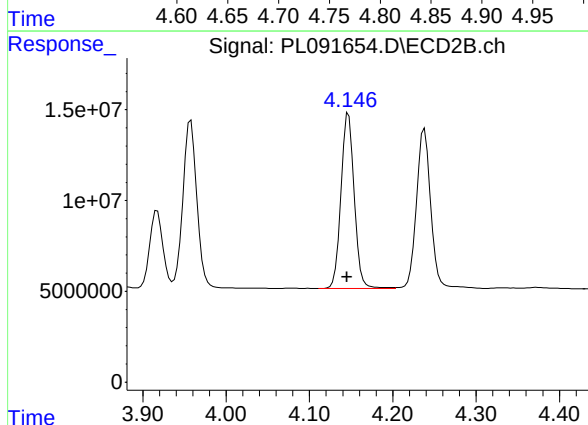
#7 delta-BHC

R.T.: 4.785 min
Delta R.T.: 0.008 min
Response: 89388751
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

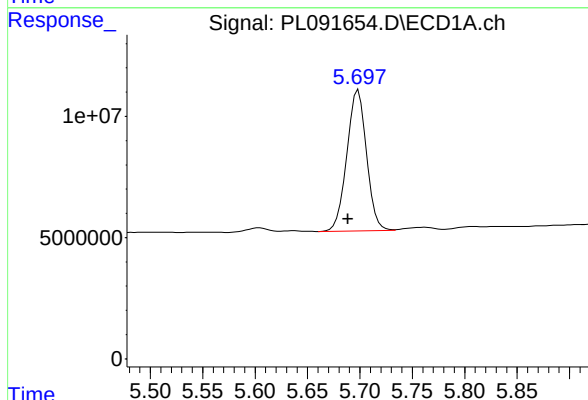
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



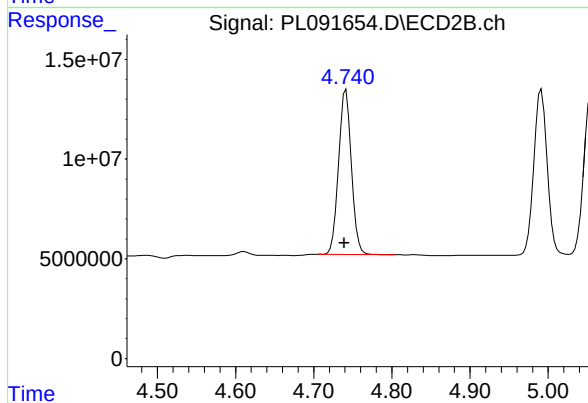
#7 delta-BHC

R.T.: 4.147 min
Delta R.T.: 0.002 min
Response: 106653788
Conc: 46.36 ng/ml



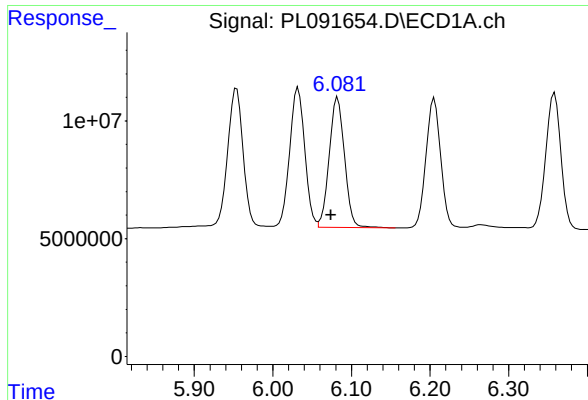
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.010 min
Response: 76159024
Conc: 45.64 ng/ml



#8 Heptachlor epoxide

R.T.: 4.741 min
Delta R.T.: 0.002 min
Response: 94044247
Conc: 44.62 ng/ml



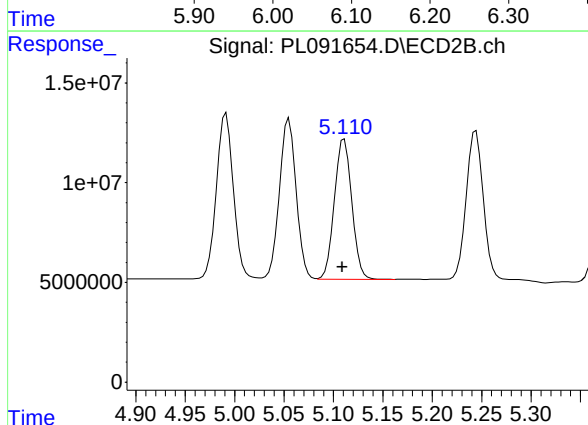
#9 Endosulfan I

R.T.: 6.083 min
Delta R.T.: 0.009 min
Response: 74456747
Conc: 47.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

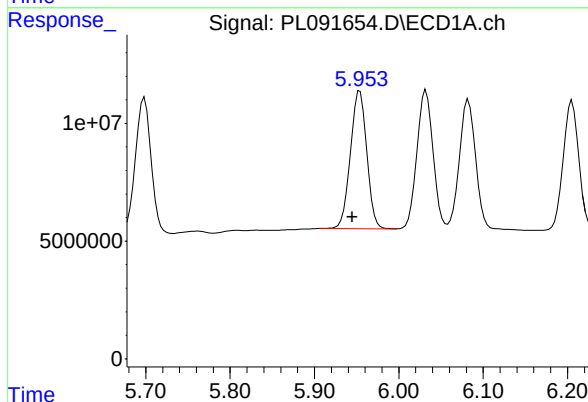
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



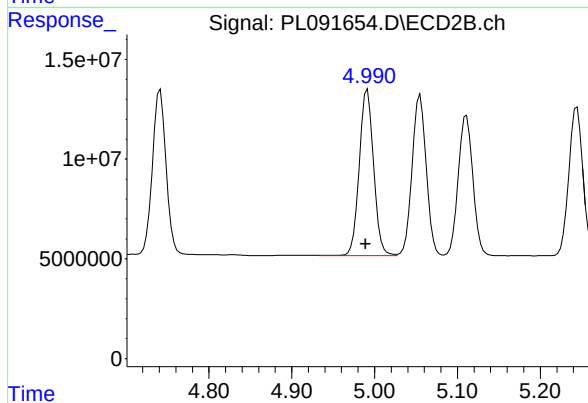
#9 Endosulfan I

R.T.: 5.111 min
Delta R.T.: 0.002 min
Response: 86492870
Conc: 44.83 ng/ml



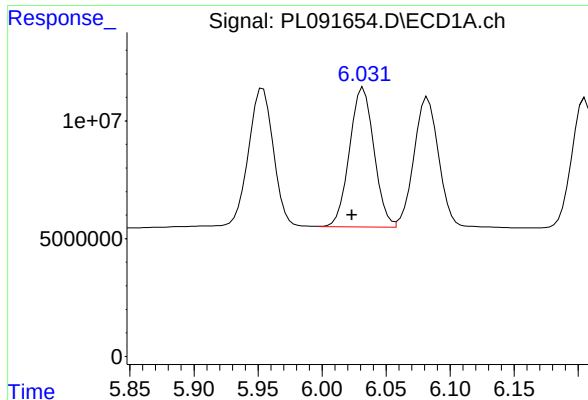
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.009 min
Response: 79289512
Conc: 47.46 ng/ml



#10 gamma-Chlordane

R.T.: 4.991 min
Delta R.T.: 0.002 min
Response: 100280901
Conc: 45.46 ng/ml



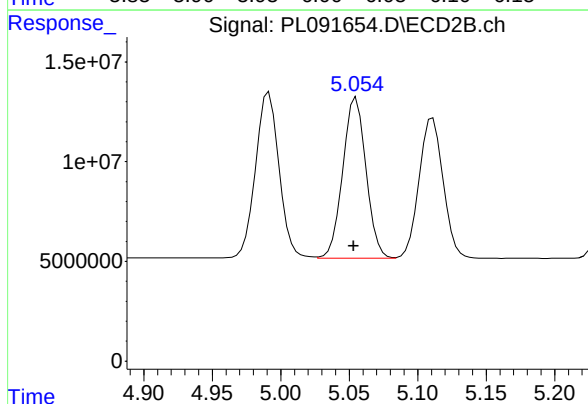
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.009 min
Response: 78791153
Conc: 48.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

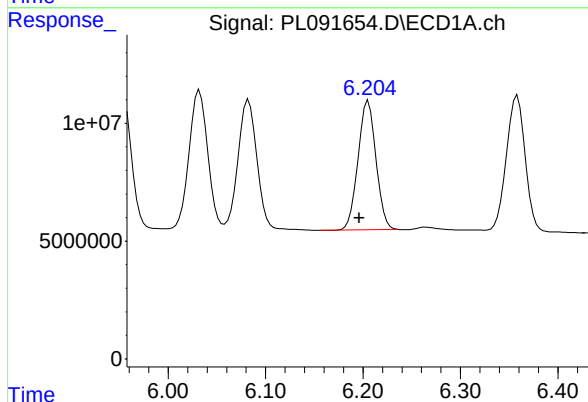
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



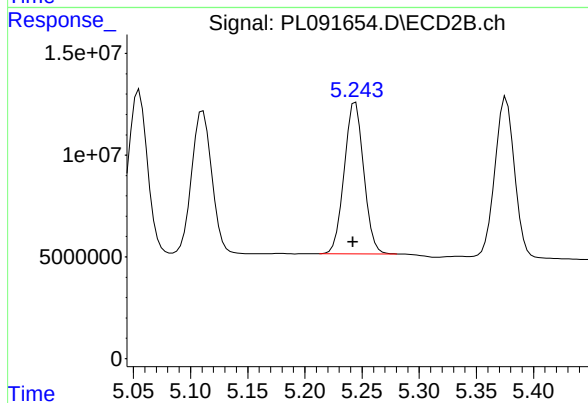
#11 alpha-Chlordane

R.T.: 5.055 min
Delta R.T.: 0.002 min
Response: 95593722
Conc: 46.20 ng/ml



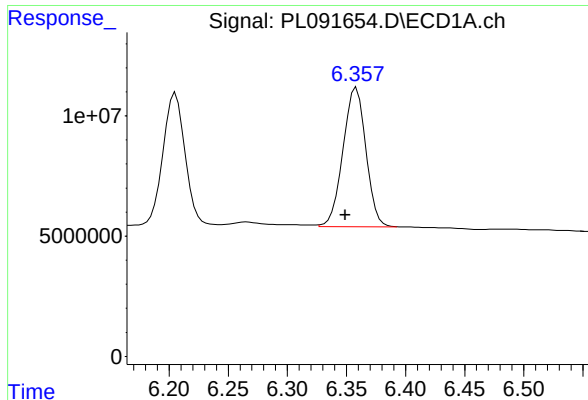
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.009 min
Response: 70189310
Conc: 48.12 ng/ml



#12 4,4'-DDE

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 88797895
Conc: 46.82 ng/ml m



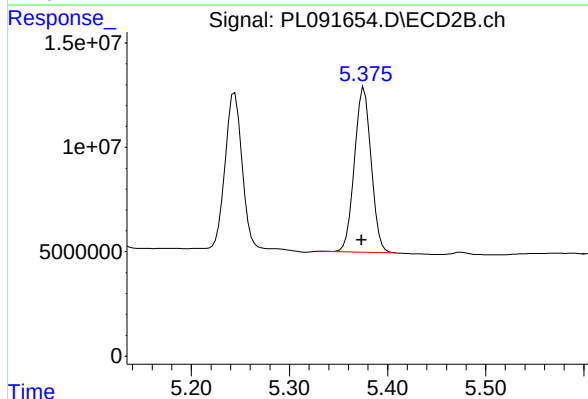
#13 Dieldrin

R.T.: 6.357 min
Delta R.T.: 0.008 min
Response: 78218151
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

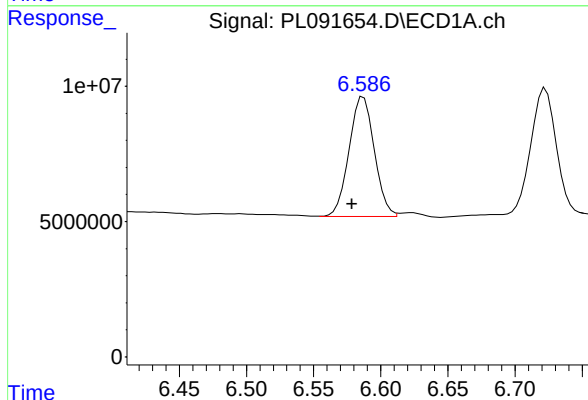
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



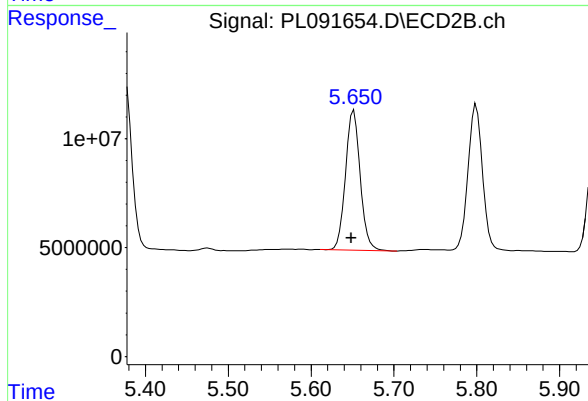
#13 Dieldrin

R.T.: 5.376 min
Delta R.T.: 0.003 min
Response: 93295825
Conc: 45.39 ng/ml



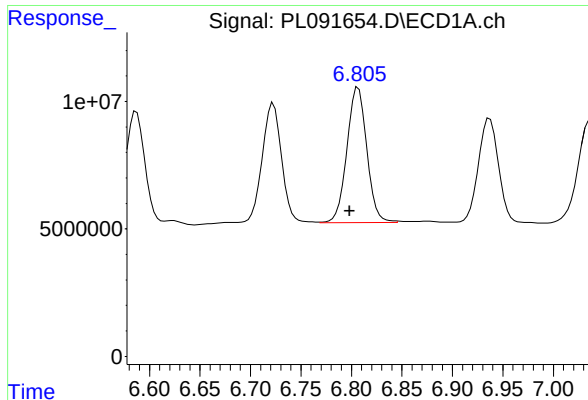
#14 Endrin

R.T.: 6.586 min
Delta R.T.: 0.007 min
Response: 58478123
Conc: 43.98 ng/ml m



#14 Endrin

R.T.: 5.652 min
Delta R.T.: 0.003 min
Response: 79313886
Conc: 42.03 ng/ml



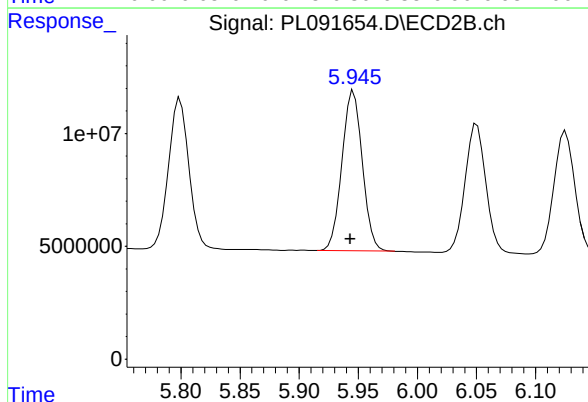
#15 Endosulfan II

R.T.: 6.805 min
Delta R.T.: 0.007 min
Response: 72896934
Conc: 47.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

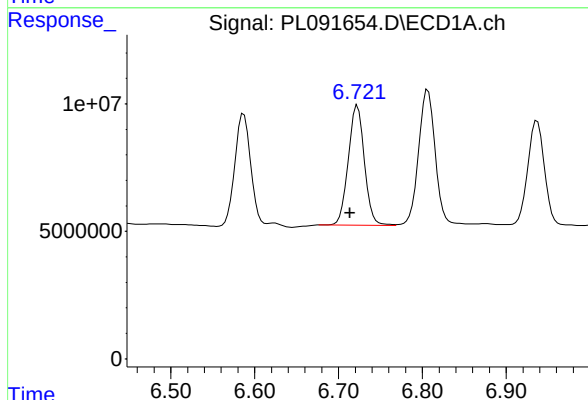
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



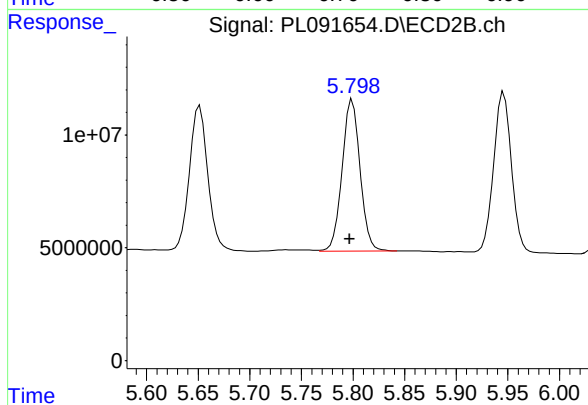
#15 Endosulfan II

R.T.: 5.946 min
Delta R.T.: 0.003 min
Response: 84959680
Conc: 48.03 ng/ml



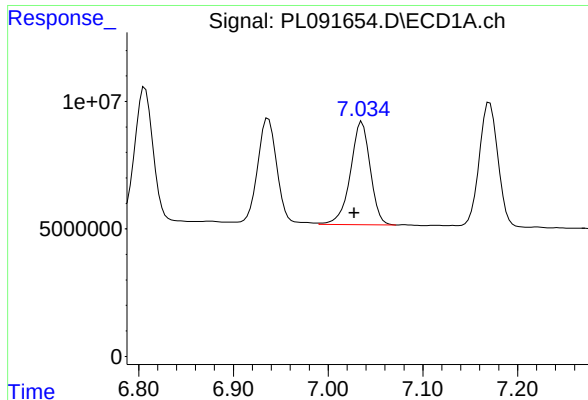
#16 4,4'-DDD

R.T.: 6.723 min
Delta R.T.: 0.009 min
Response: 62804894
Conc: 49.55 ng/ml



#16 4,4'-DDD

R.T.: 5.799 min
Delta R.T.: 0.003 min
Response: 81304611
Conc: 48.52 ng/ml



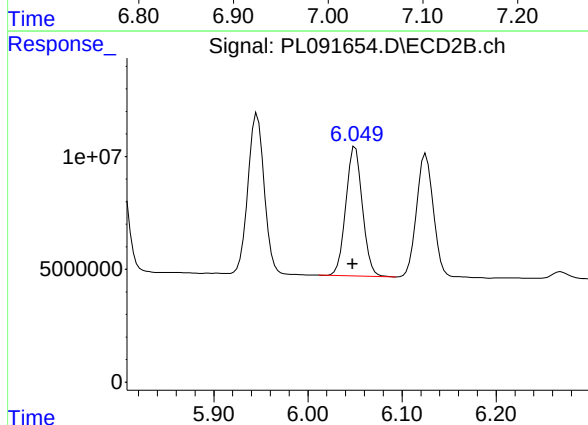
#17 4,4'-DDT

R.T.: 7.036 min
Delta R.T.: 0.008 min
Response: 58822254
Conc: 44.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



#17 4,4'-DDT

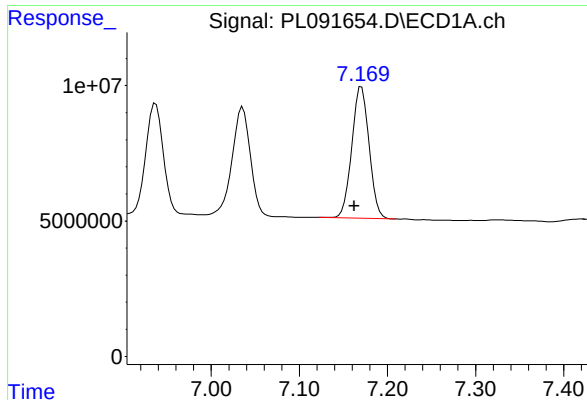
R.T.: 6.050 min
Delta R.T.: 0.003 min
Response: 69993515
Conc: 43.56 ng/ml

#18 Endrin aldehyde

R.T.: 6.937 min
Delta R.T.: 0.008 min
Response: 59572752
Conc: 50.14 ng/ml

#18 Endrin aldehyde

R.T.: 6.125 min
Delta R.T.: 0.003 min
Response: 67046815
Conc: 49.05 ng/ml



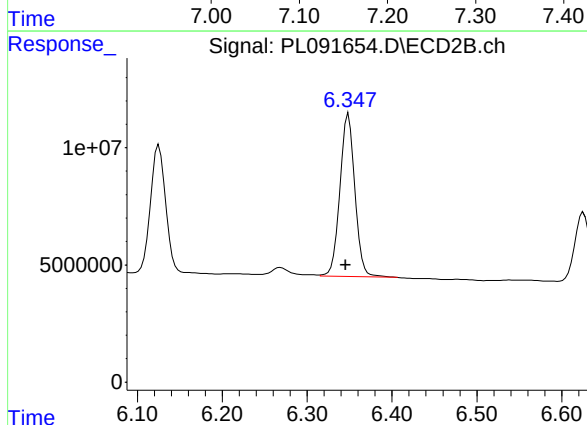
#19 Endosulfan Sulfate

R.T.: 7.171 min
Delta R.T.: 0.008 min
Response: 66156816
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

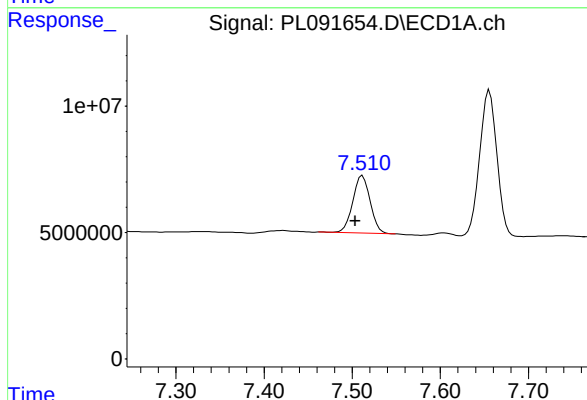
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



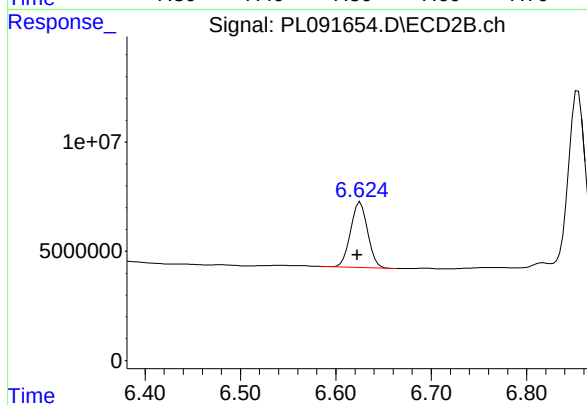
#19 Endosulfan Sulfate

R.T.: 6.349 min
Delta R.T.: 0.003 min
Response: 85140309
Conc: 49.61 ng/ml



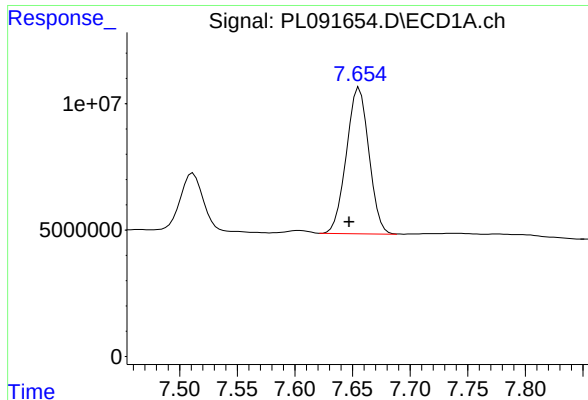
#20 Methoxychlor

R.T.: 7.512 min
Delta R.T.: 0.008 min
Response: 31144397
Conc: 46.04 ng/ml



#20 Methoxychlor

R.T.: 6.626 min
Delta R.T.: 0.003 min
Response: 37592242
Conc: 42.44 ng/ml



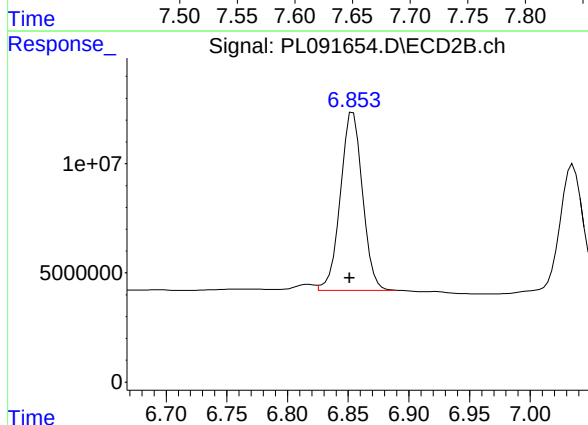
#21 Endrin ketone

R.T.: 7.654 min
Delta R.T.: 0.007 min
Response: 78283421
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

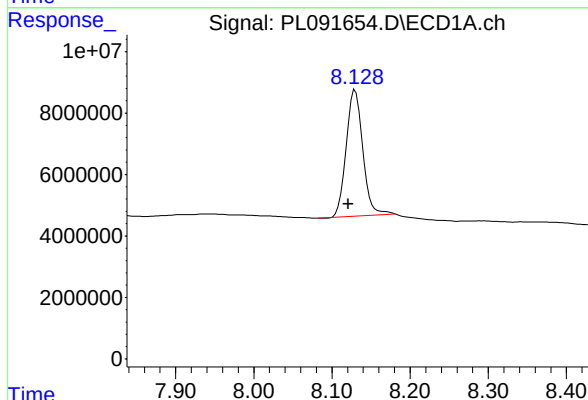
Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



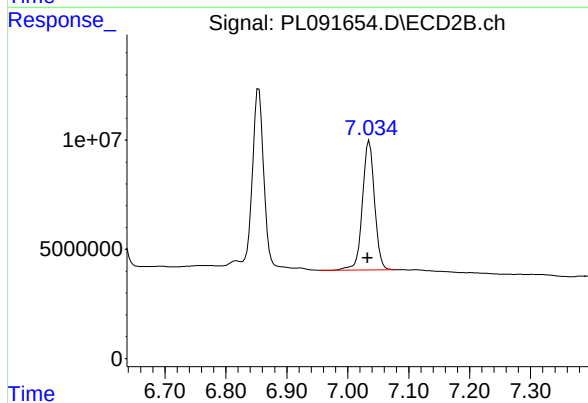
#21 Endrin ketone

R.T.: 6.853 min
Delta R.T.: 0.001 min
Response: 103328243
Conc: 51.37 ng/ml m



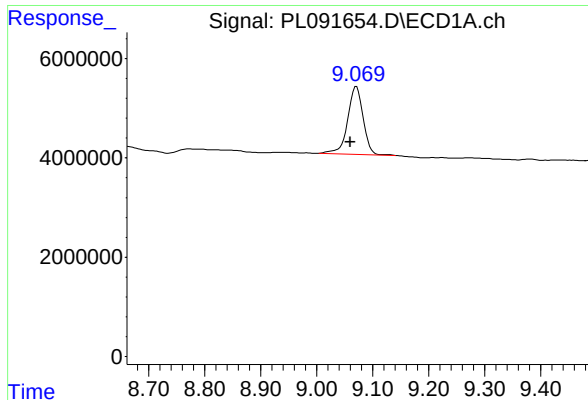
#22 Mirex

R.T.: 8.130 min
Delta R.T.: 0.009 min
Response: 60693215
Conc: 50.69 ng/ml



#22 Mirex

R.T.: 7.035 min
Delta R.T.: 0.003 min
Response: 81771636
Conc: 46.11 ng/ml



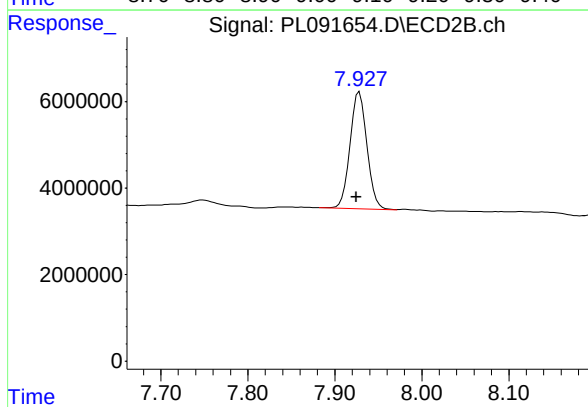
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.010 min
Response: 26138804
Conc: 21.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163229BSD

Manual Integrations
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Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



#28 Decachlorobiphenyl

R.T.: 7.928 min
Delta R.T.: 0.004 min
Response: 36897636
Conc: 19.98 ng/ml

Manual Integration Report

Sequence:	PL090924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091569.D	Endrin ketone	Abdul	9/11/2024 11:42:32 AM	Ankita	9/11/2024 1:51:36	Peak Integrated by Software
RESCHK	PL091570.D	gamma-Chlordane #2	Abdul	9/11/2024 11:42:35 AM	Ankita	9/11/2024 1:51:37	Peak Integrated by Software
PSTDICC075	PL091572.D	4,4"-DDE #2	Abdul	9/11/2024 11:42:38 AM	Ankita	9/11/2024 1:51:39	Peak Integrated by Software
PSTDICC025	PL091574.D	Heptachlor	Abdul	9/11/2024 11:42:42 AM	Ankita	9/11/2024 1:51:41	Peak Integrated by Software
PSTDICC025	PL091574.D	Heptachlor epoxide #2	Abdul	9/11/2024 11:42:42 AM	Ankita	9/11/2024 1:51:41	Peak Integrated by Software
PSTDICC005	PL091575.D	4,4"-DDD #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Decachlorobiphenyl	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Endosulfan II #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Endosulfan Sulfate	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Endrin ketone	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Endrin ketone #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	gamma-Chlordane #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Heptachlor	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software

Manual Integration Report

Sequence:	PL090924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL091575.D	Heptachlor epoxide #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Tetrachloro-m-xylene	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PSTDICC005	PL091575.D	Tetrachloro-m-xylene #2	Abdul	9/11/2024 11:42:45 AM	Ankita	9/11/2024 1:51:42	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-1 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-2 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-5 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PSTDICV050	PL091586.D	gamma-Chlordane #2	Abdul	9/11/2024 11:42:59 AM	Ankita	9/11/2024 1:51:45	Peak Integrated by Software
I.BLK	PL091589.D	Decachlorobiphenyl #2	Abdul	9/11/2024 11:43:04 AM	Ankita	9/11/2024 1:51:47	Peak Integrated by Software
I.BLK	PL091589.D	Tetrachloro-m-xylene #2	Abdul	9/11/2024 11:43:04 AM	Ankita	9/11/2024 1:51:47	Peak Integrated by Software
PEM	PL091590.D	4,4"-DDD #2	Abdul	9/11/2024 11:43:08 AM	Ankita	9/11/2024 1:51:48	Peak Integrated by Software
PEM	PL091590.D	Endrin aldehyde	Abdul	9/11/2024 11:43:08 AM	Ankita	9/11/2024 1:51:48	Peak Integrated by Software
PSTDCCC050	PL091591.D	4,4"-DDE #2	Abdul	9/11/2024 11:43:12 AM	Ankita	9/11/2024 1:51:50	Peak Integrated by Software

Manual Integration Report

Sequence:	PL090924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091591.D	gamma-Chlordane #2	Abdul	9/11/2024 11:43:12 AM	Ankita	9/11/2024 1:51:50	Peak Integrated by Software
I.BLK	PL091601.D	Decachlorobiphenyl #2	Abdul	9/11/2024 11:43:47 AM	Ankita	9/11/2024 1:52:04	Peak Integrated by Software
PSTDCCC050	PL091602.D	4,4"-DDT #2	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Aldrin	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Endrin aldehyde	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Methoxychlor	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pl091024	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091605.D	4,4"-DDD #2	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	4,4"-DDE	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	4,4"-DDE #2	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	Endrin	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PSTDCCC050	PL091606.D	4,4"-DDD #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Aldrin #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endosulfan II	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin aldehyde	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	gamma-Chlordane #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Heptachlor epoxide #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PCHLORCCC500	PL091607.D	Chlordane-3	Abdul	9/11/2024 9:20:47 AM	Ankita	9/11/2024 11:32:13	Peak Integrated by Software

Manual Integration Report

Sequence:	pl091024	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PTOXC500	PL091608.D	Toxaphene-1	Abdul	9/12/2024 9:38:57 AM	Ankita	9/12/2024 11:58:31	Peak Integrated by Software
PB163229BS	PL091611.D	Dieldrin	Abdul	9/11/2024 9:20:58 AM	Ankita	9/11/2024 11:32:18	Peak Integrated by Software
PB163229BS	PL091611.D	Endrin	Abdul	9/11/2024 9:20:58 AM	Ankita	9/11/2024 11:32:18	Peak Integrated by Software
PB163229BS	PL091611.D	Endrin aldehyde	Abdul	9/11/2024 9:20:58 AM	Ankita	9/11/2024 11:32:18	Peak Integrated by Software
PB163229BS	PL091611.D	Endrin ketone #2	Abdul	9/11/2024 9:20:58 AM	Ankita	9/11/2024 11:32:18	Peak Integrated by Software
PSTDCCC050	PL091624.D	Aldrin	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PSTDCCC050	PL091624.D	gamma-Chlordane #2	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PSTDCCC050	PL091624.D	Heptachlor	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PCHLORCCC500	PL091625.D	Chlordane-3	Abdul	9/11/2024 9:21:29 AM	Ankita	9/11/2024 11:32:33	Peak Integrated by Software
PTOXC500	PL091626.D	Toxaphene-1	Abdul	9/12/2024 9:39:12 AM	Ankita	9/12/2024 11:58:39	Peak Integrated by Software

Manual Integration Report

Sequence:	PL091124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091629.D	Endrin	Abdul	9/11/2024 11:45:27 AM	Ankita	9/12/2024 1:30:12	Peak Integrated by Software
PSTDCCC050	PL091630.D	4,4"-DDE #2	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	Aldrin #2	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	Endosulfan II	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	Endrin	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	Endrin aldehyde	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	gamma-Chlordane #2	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091630.D	Mirex #2	Abdul	9/11/2024 11:45:32 AM	Ankita	9/12/2024 1:30:16	Peak Integrated by Software
PSTDCCC050	PL091651.D	4,4"-DDE #2	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software
PSTDCCC050	PL091651.D	Aldrin #2	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software
PSTDCCC050	PL091651.D	Dieldrin	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software
PSTDCCC050	PL091651.D	Endosulfan II	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software
PSTDCCC050	PL091651.D	Endrin ketone	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software

Manual Integration Report

Sequence:	PL091124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091651.D	Heptachlor epoxide	Abdul	9/12/2024 10:47:32 AM	Ankita	9/12/2024 1:31:19	Peak Integrated by Software
PB163229BSD	PL091654.D	4,4"-DDE #2	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
PB163229BSD	PL091654.D	Dieldrin	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
PB163229BSD	PL091654.D	Endosulfan II	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
PB163229BSD	PL091654.D	Endrin	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
PB163229BSD	PL091654.D	Endrin ketone	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
PB163229BSD	PL091654.D	Endrin ketone #2	Abdul	9/12/2024 10:50:13 AM	Ankita	9/12/2024 1:31:25	Peak Integrated by Software
I.BLK	PL091662.D	Decachlorobiphenyl	Abdul	9/12/2024 10:48:09 AM	Ankita	9/12/2024 1:31:45	Peak Integrated by Software
I.BLK	PL091662.D	Decachlorobiphenyl #2	Abdul	9/12/2024 10:48:09 AM	Ankita	9/12/2024 1:31:45	Peak Integrated by Software
PSTDCCC050	PL091663.D	Endrin ketone	Abdul	9/12/2024 10:48:13 AM	Ankita	9/12/2024 1:31:52	Peak Integrated by Software
PSTDCCC050	PL091663.D	Heptachlor	Abdul	9/12/2024 10:48:13 AM	Ankita	9/12/2024 1:31:52	Peak Integrated by Software
PSTDCCC050	PL091673.D	4,4"-DDE #2	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software
PSTDCCC050	PL091673.D	Aldrin #2	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PL091124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091673.D	delta-BHC #2	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software
PSTDCCC050	PL091673.D	Endrin	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software
PSTDCCC050	PL091673.D	Heptachlor epoxide	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software
PSTDCCC050	PL091673.D	Heptachlor epoxide #2	Abdul	9/12/2024 10:49:23 AM	Ankita	9/12/2024 1:32:24	Peak Integrated by Software
PSTDCCC050	PL091681.D	4,4"-DDE #2	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Aldrin	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Aldrin #2	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Endosulfan II	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Endrin	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Heptachlor	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software
PSTDCCC050	PL091681.D	Heptachlor epoxide	Abdul	9/12/2024 10:49:55 AM	Ankita	9/12/2024 1:32:50	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PSTDICC025	PL091959.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:44 AM	Ankita	9/24/2024 11:06:38	Peak Integrated by Software
PSTDICC005	PL091960.D	delta-BHC	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Endrin ketone #2	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Methoxychlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software



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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091992.D	4,4"-DDE	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PEM	PL091992.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PEM	PL091992.D	Endrin ketone #2	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PSTDCCC050	PL091993.D	4,4"-DDD	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Aldrin #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endosulfan II #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endrin	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endrin ketone #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	gamma-Chlordane	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Heptachlor epoxide	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Methoxychlor	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PCHLORCCC500	PL091994.D	Chlordane-1	Abdul	9/25/2024 10:47:20 AM	Ankita	9/25/2024 2:17:27	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P3845-09	PL091996.D	delta-BHC	Abdul	9/25/2024 10:47:23 AM	Ankita	9/25/2024 2:17:29	Peak Integrated by Software
P3845-09DL	PL091999.D	delta-BHC	Abdul	9/25/2024 4:44:18 PM	Ankita	9/26/2024 2:40:35	Peak Integrated by Software
P3845-09DL	PL091999.D	Tetrachloro-m-xylene	Abdul	9/25/2024 4:44:18 PM	Ankita	9/26/2024 2:40:35	Peak Integrated by Software
P3845-09DL2	PL092000.D	delta-BHC	Abdul	9/25/2024 10:47:42 AM	Ankita	9/25/2024 2:17:40	Peak Integrated by Software
P3845-09DL2	PL092000.D	Tetrachloro-m-xylene #2	Abdul	9/25/2024 10:47:42 AM	Ankita	9/25/2024 2:17:40	Peak Integrated by Software
PSTDCCC050	PL092003.D	4,4"-DDD	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Aldrin #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	alpha-Chlordane	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Endrin	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Endrin ketone #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	gamma-Chlordane	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Heptachlor epoxide	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092015.D	4,4"-DDD	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	4,4"-DDE #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Aldrin	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Aldrin #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	alpha-Chlordane	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endosulfan II #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endrin	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endrin ketone #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	gamma-Chlordane	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Heptachlor epoxide	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Methoxychlor	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092021.D	4,4"-DDD	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	4,4"-DDE #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092021.D	Aldrin #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endosulfan I #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endrin	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endrin ketone #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	gamma-Chlordane	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Heptachlor epoxide	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Mirex #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091567.D	09 Sep 2024 10:14	AR\AJ	Ok
2	I.BLK	PL091568.D	09 Sep 2024 14:50	AR\AJ	Ok
3	PEM	PL091569.D	09 Sep 2024 15:03	AR\AJ	Ok,M
4	RESCHK	PL091570.D	09 Sep 2024 15:17	AR\AJ	Ok,M
5	PSTDICC100	PL091571.D	09 Sep 2024 15:31	AR\AJ	Ok
6	PSTDICC075	PL091572.D	09 Sep 2024 15:44	AR\AJ	Ok,M
7	PSTDICC050	PL091573.D	09 Sep 2024 15:58	AR\AJ	Ok
8	PSTDICC025	PL091574.D	09 Sep 2024 16:11	AR\AJ	Ok,M
9	PSTDICC005	PL091575.D	09 Sep 2024 16:25	AR\AJ	Ok,M
10	PCHLORICC1000	PL091576.D	09 Sep 2024 16:39	AR\AJ	Ok
11	PCHLORICC750	PL091577.D	09 Sep 2024 16:52	AR\AJ	Ok
12	PCHLORICC500	PL091578.D	09 Sep 2024 17:06	AR\AJ	Ok
13	PCHLORICC250	PL091579.D	09 Sep 2024 17:19	AR\AJ	Ok
14	PCHLORICC050	PL091580.D	09 Sep 2024 17:33	AR\AJ	Ok,M
15	PTOXICC1000	PL091581.D	09 Sep 2024 17:47	AR\AJ	Ok
16	PTOXICC750	PL091582.D	09 Sep 2024 18:01	AR\AJ	Ok,M
17	PTOXICC500	PL091583.D	09 Sep 2024 18:14	AR\AJ	Ok,M
18	PTOXICC250	PL091584.D	09 Sep 2024 18:28	AR\AJ	Ok
19	PTOXICC100	PL091585.D	09 Sep 2024 18:42	AR\AJ	Ok,M
20	PSTDICV050	PL091586.D	09 Sep 2024 18:56	AR\AJ	Ok,M
21	PCHLORICV500	PL091587.D	09 Sep 2024 19:10	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL091588.D	09 Sep 2024 19:23	AR\AJ	Ok
23	I.BLK	PL091589.D	09 Sep 2024 19:37	AR\AJ	Not Ok
24	PEM	PL091590.D	09 Sep 2024 19:51	AR\AJ	Ok,M
25	PSTDCCC050	PL091591.D	09 Sep 2024 20:05	AR\AJ	Ok,M
26	PB163178BS	PL091592.D	09 Sep 2024 20:18	AR\AJ	Not Ok
27	P3861-01	PL091593.D	09 Sep 2024 20:32	AR\AJ	Not Ok
28	PB163218BL	PL091594.D	09 Sep 2024 20:46	AR\AJ	Not Ok
29	PB163218BS	PL091595.D	09 Sep 2024 21:00	AR\AJ	Not Ok
30	P3888-01	PL091596.D	09 Sep 2024 21:13	AR\AJ	Not Ok
31	P3888-02	PL091597.D	09 Sep 2024 21:27	AR\AJ	Not Ok
32	P3888-02MS	PL091598.D	09 Sep 2024 21:41	AR\AJ	Not Ok
33	P3888-02MSD	PL091599.D	09 Sep 2024 21:55	AR\AJ	Not Ok
34	P3892-02	PL091600.D	09 Sep 2024 22:08	AR\AJ	Not Ok
35	I.BLK	PL091601.D	09 Sep 2024 22:22	AR\AJ	Ok,M
36	PSTDCCC050	PL091602.D	09 Sep 2024 22:36	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091603.D	10 Sep 2024 10:43	AR\AJ	Ok
2	I.BLK	PL091604.D	10 Sep 2024 10:57	AR\AJ	Ok
3	PEM	PL091605.D	10 Sep 2024 11:10	AR\AJ	Ok,M
4	PSTDCCC050	PL091606.D	10 Sep 2024 11:24	AR\AJ	Ok,M
5	PCHLORCCC500	PL091607.D	10 Sep 2024 11:56	AR\AJ	Ok,M
6	PTOXCCC500	PL091608.D	10 Sep 2024 12:12	AR\AJ	Ok,M
7	PB163178BS	PL091609.D	10 Sep 2024 12:26	AR\AJ	Ok,M
8	PB163229BL	PL091610.D	10 Sep 2024 12:40	AR\AJ	Ok
9	PB163229BS	PL091611.D	10 Sep 2024 12:57	AR\AJ	Ok,M
10	PB163229BSD	PL091612.D	10 Sep 2024 13:11	AR\AJ	Not Ok
11	P3845-09	PL091613.D	10 Sep 2024 13:25	AR\AJ	Not Ok
12	P3853-01	PL091614.D	10 Sep 2024 13:38	AR\AJ	Ok
13	PB163230BL	PL091615.D	10 Sep 2024 13:52	AR\AJ	Ok
14	PB163230BS	PL091616.D	10 Sep 2024 15:02	AR\AJ	Not Ok
15	P3845-11	PL091617.D	10 Sep 2024 15:16	AR\AJ	Not Ok
16	PB163231BL	PL091618.D	10 Sep 2024 15:29	AR\AJ	Ok
17	PB163231BS	PL091619.D	10 Sep 2024 15:43	AR\AJ	Ok
18	P3845-13	PL091620.D	10 Sep 2024 15:57	AR\AJ	Not Ok
19	P3845-13DL	PL091621.D	10 Sep 2024 16:23	AR\AJ	Not Ok
20	P3845-13DL2	PL091622.D	10 Sep 2024 16:43	AR\AJ	Not Ok
21	I.BLK	PL091623.D	10 Sep 2024 16:56	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PL091624.D	10 Sep 2024 17:10	AR\AJ	Ok,M
23	PCHLORCCC500	PL091625.D	10 Sep 2024 17:24	AR\AJ	Ok,M
24	PTOXCCC500	PL091626.D	10 Sep 2024 17:54	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method pl080524 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091627.D	11 Sep 2024 03:04	AR\AJ	Ok
2	I.BLK	PL091628.D	11 Sep 2024 03:18	AR\AJ	Ok
3	PEM	PL091629.D	11 Sep 2024 03:31	AR\AJ	Ok,M
4	PSTDCCC050	PL091630.D	11 Sep 2024 04:13	AR\AJ	Ok,M
5	P3845-09DL	PL091631.D	11 Sep 2024 04:26	AR\AJ	Not Ok
6	P3861-01	PL091632.D	11 Sep 2024 04:40	AR\AJ	Ok,M
7	PB163218BL	PL091633.D	11 Sep 2024 04:54	AR\AJ	Ok
8	PB163218BS	PL091634.D	11 Sep 2024 05:08	AR\AJ	Not Ok
9	P3888-01	PL091635.D	11 Sep 2024 05:21	AR\AJ	Dilution
10	P3888-02	PL091636.D	11 Sep 2024 05:35	AR\AJ	Ok,M
11	P3888-02DL	PL091637.D	11 Sep 2024 05:49	AR\AJ	Not Ok
12	P3888-02MS	PL091638.D	11 Sep 2024 06:02	AR\AJ	Ok,M
13	P3888-02MSD	PL091639.D	11 Sep 2024 06:16	AR\AJ	Ok,M
14	P3892-01	PL091640.D	11 Sep 2024 06:30	AR\AJ	Ok,M
15	PB163261BL	PL091641.D	11 Sep 2024 08:09	AR\AJ	Ok,M
16	PB163261BS	PL091642.D	11 Sep 2024 09:10	AR\AJ	Ok,M
17	P3872-02	PL091643.D	11 Sep 2024 09:23	AR\AJ	Ok
18	P3872-02MS	PL091644.D	11 Sep 2024 09:37	AR\AJ	Ok,M
19	P3872-02MSD	PL091645.D	11 Sep 2024 09:51	AR\AJ	Ok,M
20	P3845-09DL	PL091646.D	11 Sep 2024 10:05	AR\AJ	Not Ok
21	P3905-06	PL091647.D	11 Sep 2024 10:18	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method pl080524 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB163203TB	PL091648.D	11 Sep 2024 10:32	AR\AJ	Ok
23	PB163205TB	PL091649.D	11 Sep 2024 10:45	AR\AJ	Ok
24	I.BLK	PL091650.D	11 Sep 2024 10:59	AR\AJ	Ok
25	PSTDCCC050	PL091651.D	11 Sep 2024 11:31	AR\AJ	Ok,M
26	PB163256BL	PL091652.D	11 Sep 2024 12:05	AR\AJ	Ok
27	PB163256BS	PL091653.D	11 Sep 2024 12:19	AR\AJ	Ok,M
28	PB163229BSD	PL091654.D	11 Sep 2024 13:13	AR\AJ	Ok,M
29	P3906-01	PL091655.D	11 Sep 2024 13:27	AR\AJ	Ok,M
30	P3906-07	PL091656.D	11 Sep 2024 13:41	AR\AJ	Ok,M
31	P3906-13	PL091657.D	11 Sep 2024 13:55	AR\AJ	Dilution
32	P3907-01	PL091658.D	11 Sep 2024 14:08	AR\AJ	Ok,M
33	P3907-07	PL091659.D	11 Sep 2024 14:22	AR\AJ	Ok,M
34	P3916-01	PL091660.D	11 Sep 2024 14:36	AR\AJ	Ok,M
35	P3925-01	PL091661.D	11 Sep 2024 14:50	AR\AJ	Ok,M
36	I.BLK	PL091662.D	11 Sep 2024 15:04	AR\AJ	Ok,M
37	PSTDCCC050	PL091663.D	11 Sep 2024 15:17	AR\AJ	Ok,M
38	PB163290BL	PL091664.D	11 Sep 2024 15:31	AR\AJ	Not Ok
39	PB163290BS	PL091665.D	11 Sep 2024 15:45	AR\AJ	Not Ok
40	P3917-01	PL091666.D	11 Sep 2024 15:59	AR\AJ	Not Ok
41	P3905-01	PL091667.D	11 Sep 2024 16:13	AR\AJ	Not Ok
42	P3905-05	PL091668.D	11 Sep 2024 16:26	AR\AJ	Not Ok
43	P3905-05MS	PL091669.D	11 Sep 2024 16:40	AR\AJ	Not Ok
44	P3905-05MSD	PL091670.D	11 Sep 2024 16:54	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method pl080524 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PL091671.D	11 Sep 2024 17:08	AR\AJ	Ok
46	PEM	PL091672.D	11 Sep 2024 17:21	AR\AJ	Ok
47	PSTDCCC050	PL091673.D	11 Sep 2024 17:35	AR\AJ	Ok,M
48	P3929-01	PL091674.D	11 Sep 2024 18:16	AR\AJ	Ok,M
49	P3929-03	PL091675.D	11 Sep 2024 18:30	AR\AJ	Ok,M
50	P3929-03MS	PL091676.D	11 Sep 2024 18:43	AR\AJ	Ok,M
51	P3929-03MSD	PL091677.D	11 Sep 2024 18:57	AR\AJ	Ok,M
52	P3930-01	PL091678.D	11 Sep 2024 19:10	AR\AJ	Ok,M
53	P3930-02	PL091679.D	11 Sep 2024 19:23	AR\AJ	Ok,M
54	I.BLK	PL091680.D	11 Sep 2024 19:37	AR\AJ	Ok
55	PSTDCCC050	PL091681.D	11 Sep 2024 19:50	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091990.D	24 Sep 2024 09:15	AR\AJ	Ok
2	I.BLK	PL091991.D	24 Sep 2024 09:28	AR\AJ	Ok
3	PEM	PL091992.D	24 Sep 2024 09:41	AR\AJ	Ok,M
4	PSTDCCC050	PL091993.D	24 Sep 2024 09:55	AR\AJ	Ok,M
5	PCHLORCCC500	PL091994.D	24 Sep 2024 12:02	AR\AJ	Ok,M
6	PTOXCCC500	PL091995.D	24 Sep 2024 12:16	AR\AJ	Ok
7	P3845-09	PL091996.D	24 Sep 2024 12:35	AR\AJ	Dilution
8	P3845-11	PL091997.D	24 Sep 2024 12:49	AR\AJ	Ok,M
9	P3845-13	PL091998.D	24 Sep 2024 13:02	AR\AJ	Dilution
10	P3845-09DL	PL091999.D	24 Sep 2024 13:19	AR\AJ	Dilution
11	P3845-09DL2	PL092000.D	24 Sep 2024 13:32	AR\AJ	Ok,M
12	P3845-13DL	PL092001.D	24 Sep 2024 13:54	AR\AJ	Ok,M
13	I.BLK	PL092002.D	24 Sep 2024 14:08	AR\AJ	Ok
14	PSTDCCC050	PL092003.D	24 Sep 2024 14:21	AR\AJ	Ok,M
15	PCHLORCCC500	PL092004.D	24 Sep 2024 14:35	AR\AJ	Ok
16	PTOXCCC500	PL092005.D	24 Sep 2024 14:48	AR\AJ	Ok
17	PB163645BL	PL092006.D	24 Sep 2024 15:01	AR\AJ	Ok
18	PB163645BS	PL092007.D	24 Sep 2024 15:32	AR\AJ	Not Ok
19	P4149-13	PL092008.D	24 Sep 2024 15:45	AR\AJ	Ok,M
20	P4149-14	PL092009.D	24 Sep 2024 15:59	AR\AJ	Dilution
21	P4149-15	PL092010.D	24 Sep 2024 16:12	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4149-15MS	PL092011.D	24 Sep 2024 16:26	AR\AJ	Ok,M
23	P4149-15MSD	PL092012.D	24 Sep 2024 16:39	AR\AJ	Ok,M
24	PB163645BS	PL092013.D	24 Sep 2024 16:52	AR\AJ	Ok,M
25	I.BLK	PL092014.D	24 Sep 2024 17:06	AR\AJ	Ok
26	PSTDCCC050	PL092015.D	24 Sep 2024 17:19	AR\AJ	Ok,M
27	P4142-01	PL092016.D	24 Sep 2024 05:46 pm	AR\AJ	Ok,M
28	P4146-01	PL092017.D	24 Sep 2024 18:00	AR\AJ	Ok,M
29	P4148-01	PL092018.D	24 Sep 2024 18:13	AR\AJ	Ok,M
30	P4150-01	PL092019.D	24 Sep 2024 18:27	AR\AJ	Ok
31	I.BLK	PL092020.D	24 Sep 2024 18:40	AR\AJ	Ok
32	PSTDCCC050	PL092021.D	24 Sep 2024 19:20	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091567.D	09 Sep 2024 10:14		AR\AJ	Ok
2	I.BLK	I.BLK	PL091568.D	09 Sep 2024 14:50		AR\AJ	Ok
3	PEM	PEM	PL091569.D	09 Sep 2024 15:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091570.D	09 Sep 2024 15:17		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL091571.D	09 Sep 2024 15:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091572.D	09 Sep 2024 15:44		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL091573.D	09 Sep 2024 15:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091574.D	09 Sep 2024 16:11		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091575.D	09 Sep 2024 16:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091576.D	09 Sep 2024 16:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091577.D	09 Sep 2024 16:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091578.D	09 Sep 2024 17:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091579.D	09 Sep 2024 17:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091580.D	09 Sep 2024 17:33		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL091581.D	09 Sep 2024 17:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091582.D	09 Sep 2024 18:01		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL091583.D	09 Sep 2024 18:14		AR\AJ	Ok,M
18	PTOXICC250	PTOXICC250	PL091584.D	09 Sep 2024 18:28		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL091585.D	09 Sep 2024 18:42		AR\AJ	Ok,M
20	PSTDICV050	ICVPL090924	PL091586.D	09 Sep 2024 18:56		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL090924	PL091587.D	09 Sep 2024 19:10		AR\AJ	Ok
22	PTOXICV500	ICVPL090924	PL091588.D	09 Sep 2024 19:23		AR\AJ	Ok
23	I.BLK	I.BLK	PL091589.D	09 Sep 2024 19:37	F flag coming in second column tcmx, surrogate high in dcb and tcmx in 1st column	AR\AJ	Not Ok
24	PEM	PEM	PL091590.D	09 Sep 2024 19:51		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091591.D	09 Sep 2024 20:05		AR\AJ	Ok,M
26	PB163178BS	PB163178BS	PL091592.D	09 Sep 2024 20:18		AR\AJ	Not Ok
27	P3861-01	DN-B-37	PL091593.D	09 Sep 2024 20:32		AR\AJ	Not Ok
28	PB163218BL	PB163218BL	PL091594.D	09 Sep 2024 20:46		AR\AJ	Not Ok
29	PB163218BS	PB163218BS	PL091595.D	09 Sep 2024 21:00		AR\AJ	Not Ok
30	P3888-01	DN-B-36	PL091596.D	09 Sep 2024 21:13	need 2x dilution	AR\AJ	Not Ok
31	P3888-02	DN-W-02	PL091597.D	09 Sep 2024 21:27		AR\AJ	Not Ok
32	P3888-02MS	DN-W-02MS	PL091598.D	09 Sep 2024 21:41		AR\AJ	Not Ok
33	P3888-02MSD	DN-W-02MSD	PL091599.D	09 Sep 2024 21:55		AR\AJ	Not Ok
34	P3892-02	ARS20-005	PL091600.D	09 Sep 2024 22:08	typo P3892-01	AR\AJ	Not Ok
35	I.BLK	I.BLK	PL091601.D	09 Sep 2024 22:22	TCMX HIGH in both column	AR\AJ	Ok,M
36	PSTDCCC050	PSTDCCC050	PL091602.D	09 Sep 2024 22:36		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method p1090924 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482
CCC	PP23484,PP23489,PP23494
Internal Standard/PEM	
ICV/I.BLK	PP23487,PP23497,PP23498
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091603.D	10 Sep 2024 10:43		AR\AJ	Ok
2	I.BLK	I.BLK	PL091604.D	10 Sep 2024 10:57		AR\AJ	Ok
3	PEM	PEM	PL091605.D	10 Sep 2024 11:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL091606.D	10 Sep 2024 11:24		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL091607.D	10 Sep 2024 11:56		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL091608.D	10 Sep 2024 12:12		AR\AJ	Ok,M
7	PB163178BS	PB163178BS	PL091609.D	10 Sep 2024 12:26		AR\AJ	Ok,M
8	PB163229BL	PB163229BL	PL091610.D	10 Sep 2024 12:40		AR\AJ	Ok
9	PB163229BS	PB163229BS	PL091611.D	10 Sep 2024 12:57		AR\AJ	Ok,M
10	PB163229BSD	PB163229BSD	PL091612.D	10 Sep 2024 13:11	Recovery fail	AR\AJ	Not Ok
11	P3845-09	PT-PEST-WP	PL091613.D	10 Sep 2024 13:25	not used	AR\AJ	Not Ok
12	P3853-01	252805	PL091614.D	10 Sep 2024 13:38		AR\AJ	Ok
13	PB163230BL	PB163230BL	PL091615.D	10 Sep 2024 13:52		AR\AJ	Ok
14	PB163230BS	PB163230BS	PL091616.D	10 Sep 2024 15:02	Recovery fail	AR\AJ	Not Ok
15	P3845-11	PT-CHLR-WP	PL091617.D	10 Sep 2024 15:16	not used	AR\AJ	Not Ok
16	PB163231BL	PB163231BL	PL091618.D	10 Sep 2024 15:29		AR\AJ	Ok
17	PB163231BS	PB163231BS	PL091619.D	10 Sep 2024 15:43		AR\AJ	Ok
18	P3845-13	PT-TXP-WP	PL091620.D	10 Sep 2024 15:57	not used	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method
			pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P3845-13DL	PT-TXP-WPDL	PL091621.D	10 Sep 2024 16:23	not used	AR\AJ	Not Ok
20	P3845-13DL2	PT-TXP-WPDL2	PL091622.D	10 Sep 2024 16:43	Not required.	AR\AJ	Not Ok
21	I.BLK	I.BLK	PL091623.D	10 Sep 2024 16:56		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL091624.D	10 Sep 2024 17:10		AR\AJ	Ok,M
23	PCHLORCCC500	PCHLORCCC500	PL091625.D	10 Sep 2024 17:24		AR\AJ	Ok,M
24	PTOXCCC500	PTOXCCC500	PL091626.D	10 Sep 2024 17:54		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method p080524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482
CCC	PP23484,PP23489,PP23494
Internal Standard/PEM	
ICV/I.BLK	PP23487,PP23497,PP23498
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091627.D	11 Sep 2024 03:04		AR\AJ	Ok
2	I.BLK	I.BLK	PL091628.D	11 Sep 2024 03:18		AR\AJ	Ok
3	PEM	PEM	PL091629.D	11 Sep 2024 03:31		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL091630.D	11 Sep 2024 04:13		AR\AJ	Ok,M
5	P3845-09DL	PT-PEST-WPDL	PL091631.D	11 Sep 2024 04:26	will be reanalyzed	AR\AJ	Not Ok
6	P3861-01	DN-B-37	PL091632.D	11 Sep 2024 04:40		AR\AJ	Ok,M
7	PB163218BL	PB163218BL	PL091633.D	11 Sep 2024 04:54		AR\AJ	Ok
8	PB163218BS	PB163218BS	PL091634.D	11 Sep 2024 05:08	Recovery fail	AR\AJ	Not Ok
9	P3888-01	DN-B-36	PL091635.D	11 Sep 2024 05:21	need 2x dilution	AR\AJ	Dilution
10	P3888-02	DN-W-02	PL091636.D	11 Sep 2024 05:35		AR\AJ	Ok,M
11	P3888-02DL	DN-W-02DL	PL091637.D	11 Sep 2024 05:49	not required	AR\AJ	Not Ok
12	P3888-02MS	DN-W-02MS	PL091638.D	11 Sep 2024 06:02		AR\AJ	Ok,M
13	P3888-02MSD	DN-W-02MSD	PL091639.D	11 Sep 2024 06:16		AR\AJ	Ok,M
14	P3892-01	ARS20-005	PL091640.D	11 Sep 2024 06:30		AR\AJ	Ok,M
15	PB163261BL	PB163261BL	PL091641.D	11 Sep 2024 08:09		AR\AJ	Ok,M
16	PB163261BS	PB163261BS	PL091642.D	11 Sep 2024 09:10		AR\AJ	Ok,M
17	P3872-02	WC-W-07-202409	PL091643.D	11 Sep 2024 09:23		AR\AJ	Ok
18	P3872-02MS	WC-W-07-202409MS	PL091644.D	11 Sep 2024 09:37		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method
			pl080524 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P3872-02MSD	WC-W-07-202409MSD	PL091645.D	11 Sep 2024 09:51		AR\AJ	Ok,M
20	P3845-09DL	PT-PEST-WPDL	PL091646.D	11 Sep 2024 10:05	TCMX high in both column,F flag coming , Need further dilution	AR\AJ	Not Ok
21	P3905-06	COMP-1	PL091647.D	11 Sep 2024 10:18		AR\AJ	Ok
22	PB163203TB	PB163203TB	PL091648.D	11 Sep 2024 10:32		AR\AJ	Ok
23	PB163205TB	PB163205TB	PL091649.D	11 Sep 2024 10:45		AR\AJ	Ok
24	I.BLK	I.BLK	PL091650.D	11 Sep 2024 10:59		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL091651.D	11 Sep 2024 11:31		AR\AJ	Ok,M
26	PB163256BL	PB163256BL	PL091652.D	11 Sep 2024 12:05		AR\AJ	Ok
27	PB163256BS	PB163256BS	PL091653.D	11 Sep 2024 12:19		AR\AJ	Ok,M
28	PB163229BSD	PB163229BSD	PL091654.D	11 Sep 2024 13:13		AR\AJ	Ok,M
29	P3906-01	SU-701-COMP-01	PL091655.D	11 Sep 2024 13:27		AR\AJ	Ok,M
30	P3906-07	SU-701-COMP-02	PL091656.D	11 Sep 2024 13:41		AR\AJ	Ok,M
31	P3906-13	SU-701-COMP-03	PL091657.D	11 Sep 2024 13:55	need 10x dilution	AR\AJ	Dilution
32	P3907-01	PL-701-COMP-54	PL091658.D	11 Sep 2024 14:08		AR\AJ	Ok,M
33	P3907-07	PL-701-COMP-55	PL091659.D	11 Sep 2024 14:22		AR\AJ	Ok,M
34	P3916-01	SU-04-090924	PL091660.D	11 Sep 2024 14:36		AR\AJ	Ok,M
35	P3925-01	NB-07091024	PL091661.D	11 Sep 2024 14:50		AR\AJ	Ok,M
36	I.BLK	I.BLK	PL091662.D	11 Sep 2024 15:04		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL091663.D	11 Sep 2024 15:17		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091124

Review By	Abdul	Review On	9/11/2024 9:41:19 AM
Supervise By	Ankita	Supervise On	9/12/2024 1:33:13 PM
SubDirectory	PL091124	HP Acquire Method	HP Processing Method
			pl080524 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP234876,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	PB163290BL	PB163290BL	PL091664.D	11 Sep 2024 15:31	Out of tune time	AR\AJ	Not Ok
39	PB163290BS	PB163290BS	PL091665.D	11 Sep 2024 15:45	Out of tune time	AR\AJ	Not Ok
40	P3917-01	DN-B-35	PL091666.D	11 Sep 2024 15:59	Out of tune time	AR\AJ	Not Ok
41	P3905-01	TP-3A	PL091667.D	11 Sep 2024 16:13	Out of tune time	AR\AJ	Not Ok
42	P3905-05	COMP-1	PL091668.D	11 Sep 2024 16:26	Out of tune time	AR\AJ	Not Ok
43	P3905-05MS	COMP-1MS	PL091669.D	11 Sep 2024 16:40	Out of tune time	AR\AJ	Not Ok
44	P3905-05MSD	COMP-1MSD	PL091670.D	11 Sep 2024 16:54	Out of tune time	AR\AJ	Not Ok
45	I.BLK	I.BLK	PL091671.D	11 Sep 2024 17:08		AR\AJ	Ok
46	PEM	PEM	PL091672.D	11 Sep 2024 17:21		AR\AJ	Ok
47	PSTDCCC050	PSTDCCC050	PL091673.D	11 Sep 2024 17:35		AR\AJ	Ok,M
48	P3929-01	BIN-2	PL091674.D	11 Sep 2024 18:16		AR\AJ	Ok,M
49	P3929-03	72-11930	PL091675.D	11 Sep 2024 18:30		AR\AJ	Ok,M
50	P3929-03MS	72-11930MS	PL091676.D	11 Sep 2024 18:43		AR\AJ	Ok,M
51	P3929-03MSD	72-11930MSD	PL091677.D	11 Sep 2024 18:57		AR\AJ	Ok,M
52	P3930-01	DN-B-33	PL091678.D	11 Sep 2024 19:10		AR\AJ	Ok,M
53	P3930-02	DN-B-34	PL091679.D	11 Sep 2024 19:23		AR\AJ	Ok,M
54	I.BLK	I.BLK	PL091680.D	11 Sep 2024 19:37		AR\AJ	Ok
55	PSTDCCC050	PSTDCCC050	PL091681.D	11 Sep 2024 19:50		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method p092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method
			pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM				
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM				
SubDirectory	PL092324	HP Acquire Method	HP Processing Method		pl092324 8081		
STD. NAME		STD REF.#					
Tune/Reschk		PP23282,PP23517					
Initial Calibration Stds		PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683					
CCC		PP23686,PP23690,PP23695					
Internal Standard/PEM							
ICV/I.BLK		PP23687,PP23693,PP23698					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

38	PSTDCCC050	PSTDCCC050	PL091989.D	23 Sep 2024 19:35		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method p1092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091990.D	24 Sep 2024 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL091991.D	24 Sep 2024 09:28		AR\AJ	Ok
3	PEM	PEM	PL091992.D	24 Sep 2024 09:41		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL091993.D	24 Sep 2024 09:55		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL091994.D	24 Sep 2024 12:02		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL091995.D	24 Sep 2024 12:16		AR\AJ	Ok
7	P3845-09	PT-PEST-WP	PL091996.D	24 Sep 2024 12:35	TCMX high in 1st column, Need dilution	AR\AJ	Dilution
8	P3845-11	PT-CHLR-WP	PL091997.D	24 Sep 2024 12:49	TCMX high in 2nd column	AR\AJ	Ok,M
9	P3845-13	PT-TXP-WP	PL091998.D	24 Sep 2024 13:02	Need Dilution	AR\AJ	Dilution
10	P3845-09DL	PT-PEST-WPDL	PL091999.D	24 Sep 2024 13:19	TCMX high in first column , need dilution.	AR\AJ	Dilution
11	P3845-09DL2	PT-PEST-WPDL2	PL092000.D	24 Sep 2024 13:32	TCMX high in first column	AR\AJ	Ok,M
12	P3845-13DL	PT-TXP-WPDL	PL092001.D	24 Sep 2024 13:54		AR\AJ	Ok,M
13	I.BLK	I.BLK	PL092002.D	24 Sep 2024 14:08		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL092003.D	24 Sep 2024 14:21		AR\AJ	Ok,M
15	PCHLORCCC500	PCHLORCCC500	PL092004.D	24 Sep 2024 14:35		AR\AJ	Ok
16	PTOXCCC500	PTOXCCC500	PL092005.D	24 Sep 2024 14:48		AR\AJ	Ok
17	PB163645BL	PB163645BL	PL092006.D	24 Sep 2024 15:01		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method
			pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB163645BS	PB163645BS	PL092007.D	24 Sep 2024 15:32	Some compound Recovry fail	AR\AJ	Not Ok
19	P4149-13	COMP-6	PL092008.D	24 Sep 2024 15:45		AR\AJ	Ok,M
20	P4149-14	COMP-7	PL092009.D	24 Sep 2024 15:59	Need dilution	AR\AJ	Dilution
21	P4149-15	COMP-8	PL092010.D	24 Sep 2024 16:12		AR\AJ	Ok,M
22	P4149-15MS	COMP-8MS	PL092011.D	24 Sep 2024 16:26		AR\AJ	Ok,M
23	P4149-15MSD	COMP-8MSD	PL092012.D	24 Sep 2024 16:39		AR\AJ	Ok,M
24	PB163645BS	PB163645BS	PL092013.D	24 Sep 2024 16:52		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL092014.D	24 Sep 2024 17:06		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL092015.D	24 Sep 2024 17:19		AR\AJ	Ok,M
27	P4142-01	OR-02-09202024	PL092016.D	24 Sep 2024 05:46 pm		AR\AJ	Ok,M
28	P4146-01	CL-02-092024	PL092017.D	24 Sep 2024 18:00		AR\AJ	Ok,M
29	P4148-01	STOCK-PILE	PL092018.D	24 Sep 2024 18:13		AR\AJ	Ok,M
30	P4150-01	OK-02-09132024	PL092019.D	24 Sep 2024 18:27		AR\AJ	Ok
31	I.BLK	I.BLK	PL092020.D	24 Sep 2024 18:40		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL092021.D	24 Sep 2024 19:20		AR\AJ	Ok,M

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction Pesticide-16		
Clean Up SOP #:	Florisil	Extraction Start Date :	09/09/2024
Matrix :	Water	Extraction Start Time :	10:10
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	09/09/2024
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3574	Extraction End Time :	15:10
		Concentration By:	EH
		Supervisor By :	rajesh
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	PP23512
Surrogate	1.0ML	200 PPB	PP23608
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3790
Baked Na2SO4	N/A	EP2532
Hexane	N/A	E3789
Florisil	N/A	E3713
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	WATER BATH-1	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/09/24	RP (Epd. Tech)	Y-P-Pesticide
18:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 09/09/2024

Sample ID	Client Sample ID	Test	g / ml	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163229BL	PBLK229	Pesticide-TCL	1000	6	RUPESH	ritesh	10			SEP-1
PB163229BS	PLCS229	Pesticide-TCL	1000	6	RUPESH	ritesh	10			2
PB163229BS D	PLCSD229	Pesticide-TCL	1000	6	RUPESH	ritesh	10			3
P3845-09	PT-PEST-WP	PESTICIDE Group1	1000	6	RUPESH	ritesh	10			4
P3853-01	252805	Pesticide-TCL	1000	6	RUPESH	ritesh	10	0		5

* Extracts relinquished on the same date as received.

9/9/24

P3845-PESTICIDE Group1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p3845 WorkList ID : 183286 Department : Extraction Date : 09-09-2024 10:03:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3845-09	PT-PEST-WP	Water	PESTICIDE Group1	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3845-11	PT-CHLR-WP	Water	PESTICIDE Group2	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3845-13	PT-TXP-WP	Water	PESTICIDE Group3	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3853-01	252805	Water	Pesticide-TCL	Cool 4 deg C	PSEG03	H53	09/05/2024	8081B

Date/Time 09/09/24 10:05
Raw Sample Received by: As (Det Lab)
Raw Sample Relinquished by: As (Det Lab)

Date/Time 09/09/24 10:25
Raw Sample Received by: As (Det Lab)
Raw Sample Relinquished by: As (Det Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : P3845
Test : PESTICIDE Group1
Prepbatch ID : PB163229,
Sequence ID/Qc Batch ID: pl091024,PL091124,PL092424,

Standard ID :
EP2532,PP23215,PP23282,PP23472,PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,P
P23481,PP23482,PP23484,PP23487,PP234876,PP23489,PP23494,PP23497,PP23498,PP23512,PP23517,PP23608,P
P23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,P
P23687,PP23690,PP23693,PP23695,PP23698,

Chemical ID :
E3551,E3713,E3735,E3762,E3766,E3770,E3772,E3789,E3790,E3792,P11065,P11145,P11146,P11815,P11895,P11896
,P12599,P12810,P12812,P12814,P13035,P13036,P13039,P13244,P13349,P13358,P13359,P13402,P9051,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2532	08/30/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/30/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23215	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024

FROM 1.00000ml of P12810 + 9.00000ml of E3735 = 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>
518	Pest/PCB I.BLK 20 PPB	PP23282	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 99.90000ml of E3735 + 0.10000ml of PP23215 = 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	PP23472	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 1.00000ml of P12812 + 9.00000ml of E3762 = 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)	PP23473	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 1.00000ml of P11065 + 9.00000ml of E3762 = 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	PP23474	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 1.00000ml of P13035 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23475	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.20000ml of P9051 + 9.80000ml of E3762 = 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)	PP23476	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.20000ml of P11145 + 9.80000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23477	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 98.50000ml of E3762 + 0.50000ml of PP23472 + 0.50000ml of PP23473 + 0.50000ml of PP23475 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23478	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 98.50000ml of E3762 + 0.50000ml of PP23472 + 0.50000ml of PP23474 + 0.50000ml of PP23476 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23479	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.10000ml of P11895 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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	PP23480	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.10000ml of P12599 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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)	PP23481	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.10000ml of P11815 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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)	PP23482	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.10000ml of P13358 + 99.40000ml of E3762 + 0.50000ml of PP23472 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23484	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23477 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP23487	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23478 = 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	PP23489	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23479 = 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	PP23494	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23481 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP23497	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23480 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP23498	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23482 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP23512	07/05/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
07/08/2024								

FROM 95.00000ml of E3766 + 2.50000ml of PP23474 + 2.50000ml of PP23476 = 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>
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani
07/16/2024								

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = 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	PP23608	08/08/2024	02/01/2025	Abdul Mirza	None	None	Ankita Jodhani
								08/08/2024

FROM 1.00000ml of P12814 + 999.00000ml of E3772 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = 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)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = 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	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = 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)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = 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	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = 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	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	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 #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml, 30PK	M06485	10/08/2024	04/08/2024 / Rajesh	03/08/2024 / Rajesh	E3713

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)	24C1862008	10/22/2024	04/22/2024 / Rajesh	04/19/2024 / Rajesh	E3735

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)	24C1862008	12/18/2024	06/18/2024 / Rajesh	06/17/2024 / Rajesh	E3762

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)	23H1462005	01/02/2025	07/02/2024 / Rajesh	07/01/2024 / Rajesh	E3766

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)	24C1862008	04/15/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

CHEMICAL RECEIPT LOG BOOK

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)	22L2862006	02/01/2025	08/01/2024 / Rajesh	07/19/2024 / Rajesh	E3772

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)	24C1862008	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862022	02/26/2025	08/26/2024 / Rajesh	08/07/2024 / Rajesh	E3790

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)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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	A0168439	12/20/2024	06/20/2024 / Abdul	09/29/2021 / Abdul	P11065

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	12/20/2024	06/20/2024 / Abdul	10/29/2021 / Abdul	P11145

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0177326	12/20/2024	06/20/2024 / Abdul	06/17/2022 / Ankita	P11815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	12/20/2024	06/20/2024 / Abdul	06/17/2022 / Abdul	P11895

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	12/20/2024	06/20/2024 / Abdul	07/03/2023 / Abdul	P12599

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	A0200112	10/22/2024	04/22/2024 / Ankita	09/25/2023 / Abdul	P12810

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0200112	12/20/2024	06/20/2024 / Abdul	09/25/2023 / Abdul	P12812

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	A0200112	02/08/2025	08/08/2024 / Abdul	09/25/2023 / Abdul	P12814

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	12/20/2024	06/20/2024 / Abdul	12/26/2023 / Abdul	P13035

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

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	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	12/20/2024	06/20/2024 / Abdul	05/03/2024 / Abdul	P13358

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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	12/20/2024	06/20/2024 / Abdul	11/01/2019 / Stephen	P9051



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Bellefonte, PA 16823-8812
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. : 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

P12596
↓
P12602
⑦
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	---%	1,010.0 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:

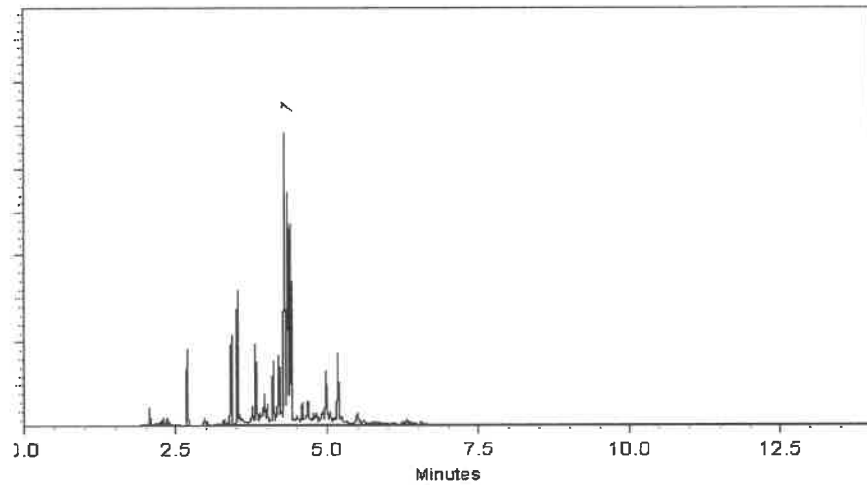
ECD

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 - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


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



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0200112
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, 2029 **Storage:** 10°C or colder
Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806 / 10
P 12815 / 1
V. R. AUF
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

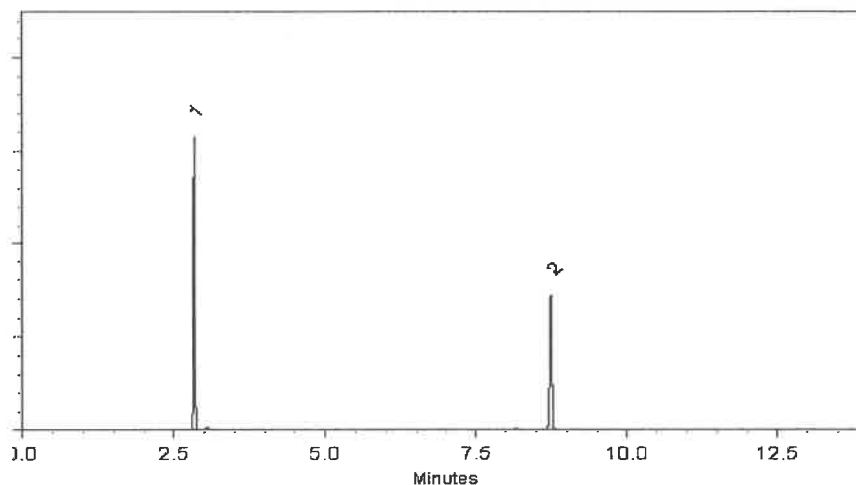
ECD

Split Vent:

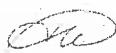
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12806 } (10)
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P12815
/


9/25/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0200112
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, 2029 **Storage:** 10°C or colder
Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806 / 10
P 12815 / 1
V. R. AUF
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

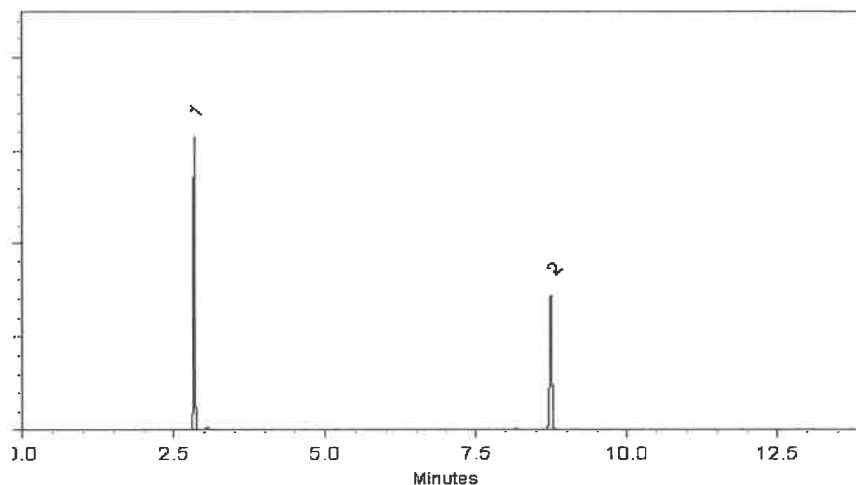
ECD

Split Vent:

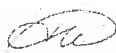
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12806 } (10)
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P12815
/


9/25/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0200112

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, 2029 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806 / 10
P 12815 / 1
V. R. AUF
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

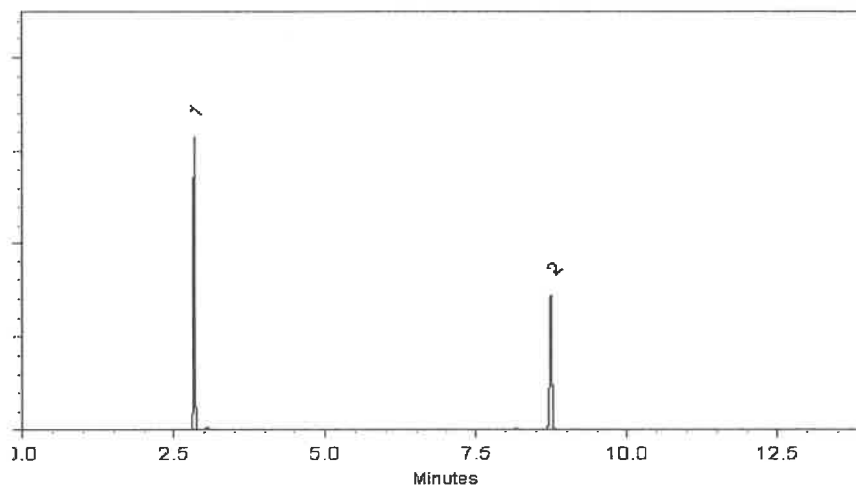
ECD

Split Vent:

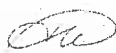
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12806 } (10)
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P12815
/


9/25/2023



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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

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 4/19/24

E3735

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 6/11/24

E 3762

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 07/01/24

E 3766

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 22L2862006
Manufactured Date: 2022-12-19
Expiration Date: 2025-12-18
Revision No.: 0

Certificate of Analysis

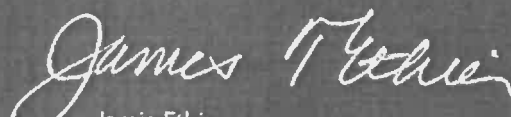
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4

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 7/19/22

E3772


Jamie Ethier
Vice President Global Quality

Material No.: 94
Batch No.: 24C186
Manufactured Date: 2024
Expiration Date: 2025
Revision: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3789



Jamie Croak
Director Quality Operations, Bioscience Products

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

Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
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	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3790

J. Croak
Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892
↓
P 11896
5

06/17/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

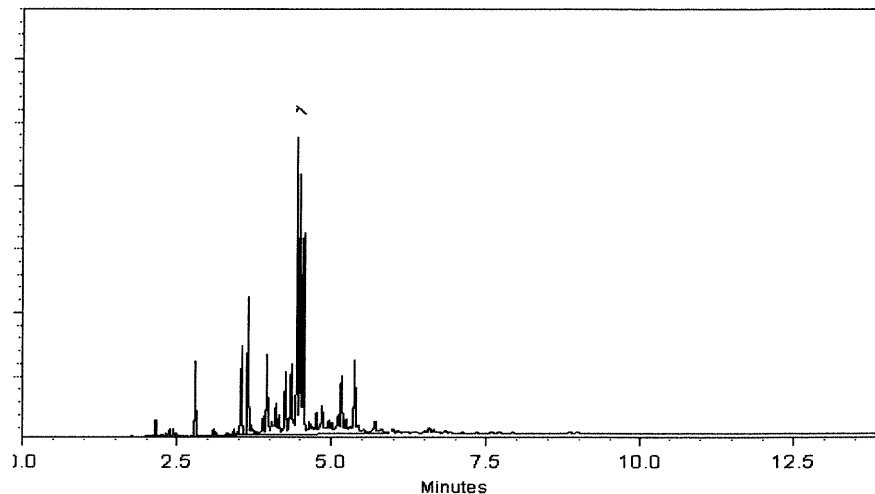
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

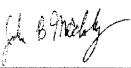
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

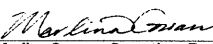


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11892
↓
P 11896 / (5)


06/17/2022



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892
↓
P 11896
5

06/17/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

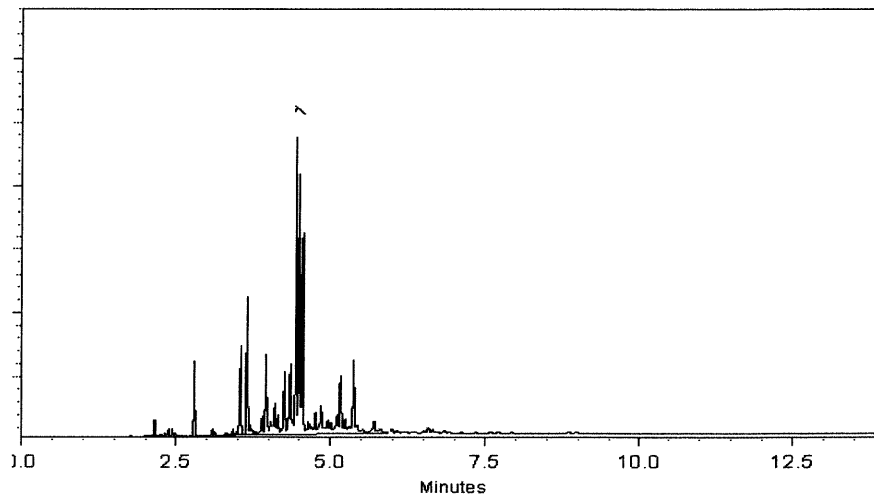
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

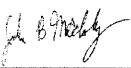
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

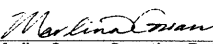


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11892
↓
P 11896 / (5)


06/17/2022



110 Benner Circle
Bellefonte, PA 16823-8812
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
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

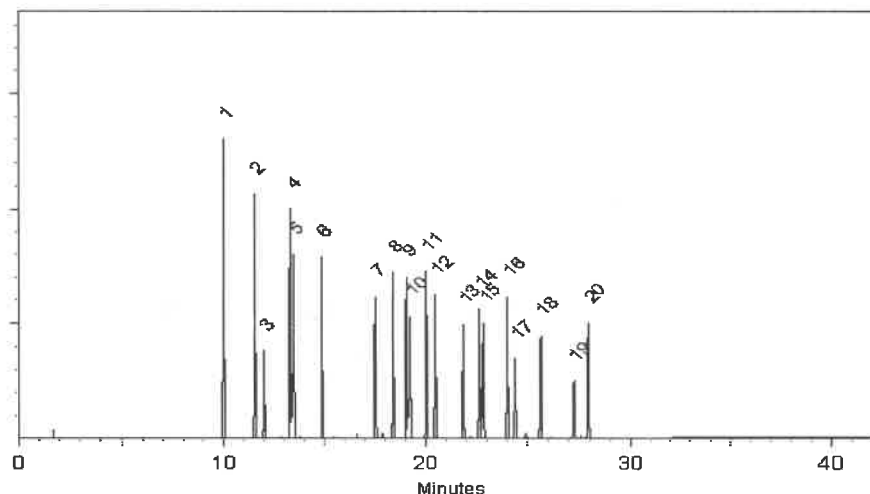
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.:** A0168439

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 : January 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

P11061
↓
P11065
AR
9/30/2024

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC CAS # 319-84-6 (Lot 0012018BHC) Purity 99%	200.5 µg/mL	+/- 1.4217 µg/mL +/- 9.1674 µg/mL +/- 13.2104 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) CAS # 58-89-9 (Lot 10972000) Purity 97%	200.8 µg/mL	+/- 1.4238 µg/mL +/- 9.1807 µg/mL +/- 13.2295 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC CAS # 319-85-7 (Lot SL210106) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 9.1446 µg/mL +/- 13.1774 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC CAS # 319-86-8 (Lot ER02101401) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 9.1409 µg/mL +/- 13.1722 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor CAS # 76-44-8 (Lot 0006540595) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 9.1446 µg/mL +/- 13.1774 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin CAS # 309-00-2 (Lot 11129800) Purity 97%	199.8 µg/mL	+/- 1.4169 µg/mL +/- 9.1363 µg/mL +/- 13.1656 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) CAS # 1024-57-3 (Lot 10039000) Purity 99%	200.5 µg/mL	+/- 1.4217 µg/mL +/- 9.1674 µg/mL +/- 13.2104 µg/mL	Gravimetric Unstressed Stressed

8	trans-Chlordane CAS # 5103-74-2 Purity 99%	(Lot 32095)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	cis-Chlordane CAS # 5103-71-9 Purity 99%	(Lot 31707)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Endosulfan I CAS # 959-98-8 Purity 99%	(Lot BCBS8631)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	4,4'-DDE CAS # 72-55-9 Purity 99%	(Lot GHYQG)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Dieldrin CAS # 60-57-1 Purity 98%	(Lot 10714300)	200.4 µg/mL	+/- +/- +/-	1.4211 9.1633 13.2045	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Endrin CAS # 72-20-8 Purity 98%	(Lot 11129700)	199.9 µg/mL	+/- +/- +/-	1.4176 9.1409 13.1722	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	4,4'-DDD CAS # 72-54-8 Purity 99%	(Lot HAN02)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Endosulfan II CAS # 33213-65-9 Purity 99%	(Lot 11129400)	201.0 µg/mL	+/- +/- +/-	1.4253 9.1903 13.2433	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	4,4'-DDT CAS # 50-29-3 Purity 99%	(Lot S37912V)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Endrin aldehyde CAS # 7421-93-4 Purity 98%	(Lot 30455)	200.9 µg/mL	+/- +/- +/-	1.4245 9.1857 13.2367	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Endosulfan sulfate CAS # 1031-07-8 Purity 99%	(Lot BCCB0424)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Methoxychlor CAS # 72-43-5 Purity 97%	(Lot 10720900)	199.8 µg/mL	+/- +/- +/-	1.4169 9.1363 13.1656	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Endrin ketone CAS # 53494-70-5 Purity 97%	(Lot 11129600)	199.8 µg/mL	+/- +/- +/-	1.4169 9.1363 13.1656	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
Solvent: Hexane/Toluene (50:50) CAS # 110-54-3/108-88-3 Purity 99%							

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

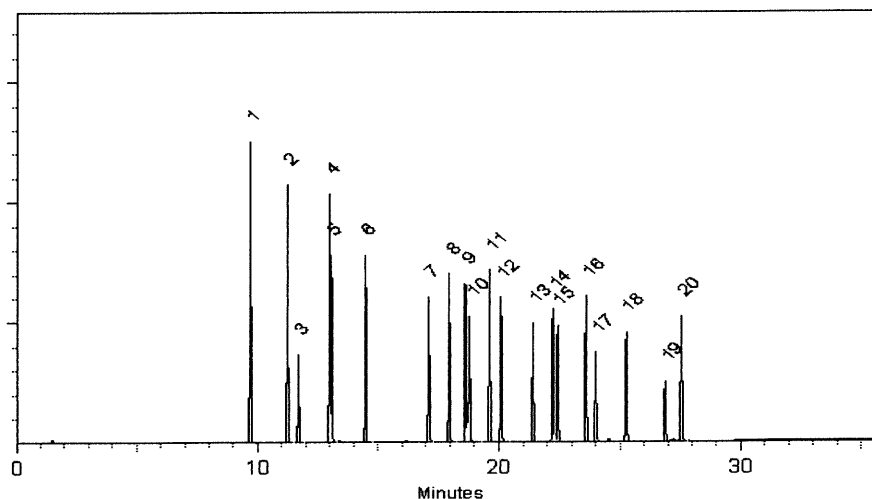
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



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.

Matt Fragassi
Matt Fragassi - Mix Technician

Date Mixed: 25-Jan-2021

Balance: 1128342314

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 29-Jan-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11061
↓
P11065
AR
9/30/2021

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

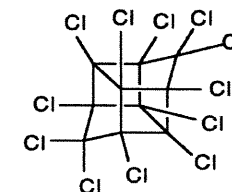
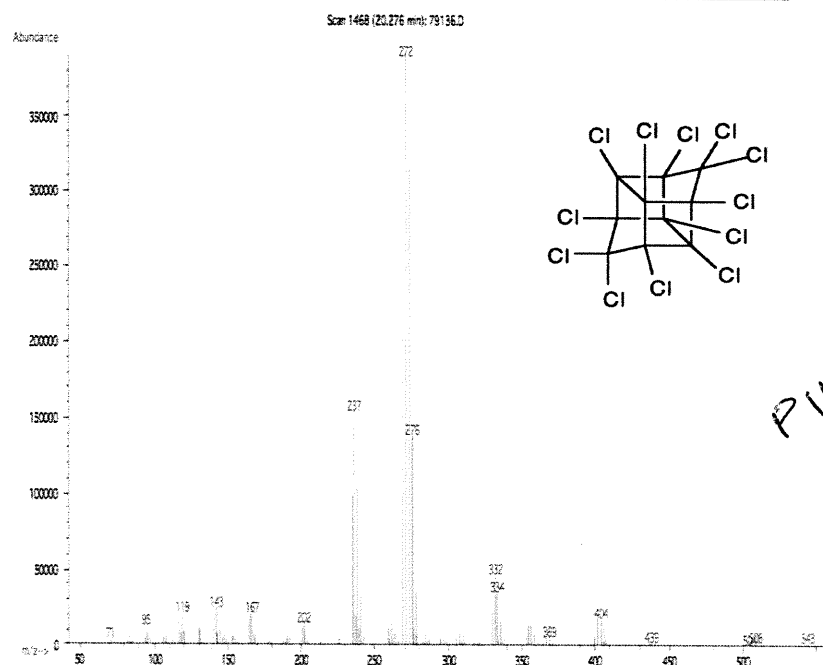
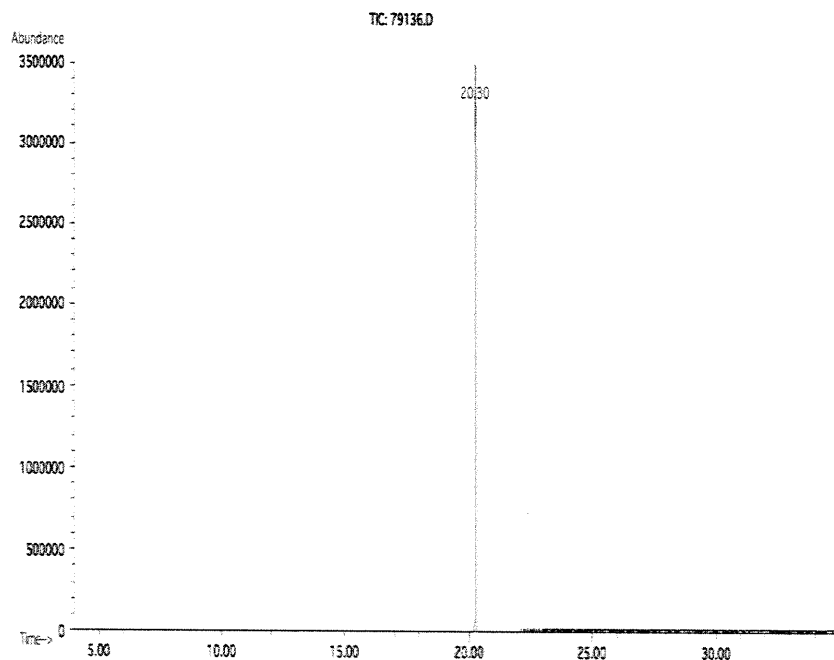
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

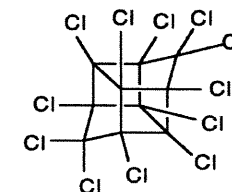
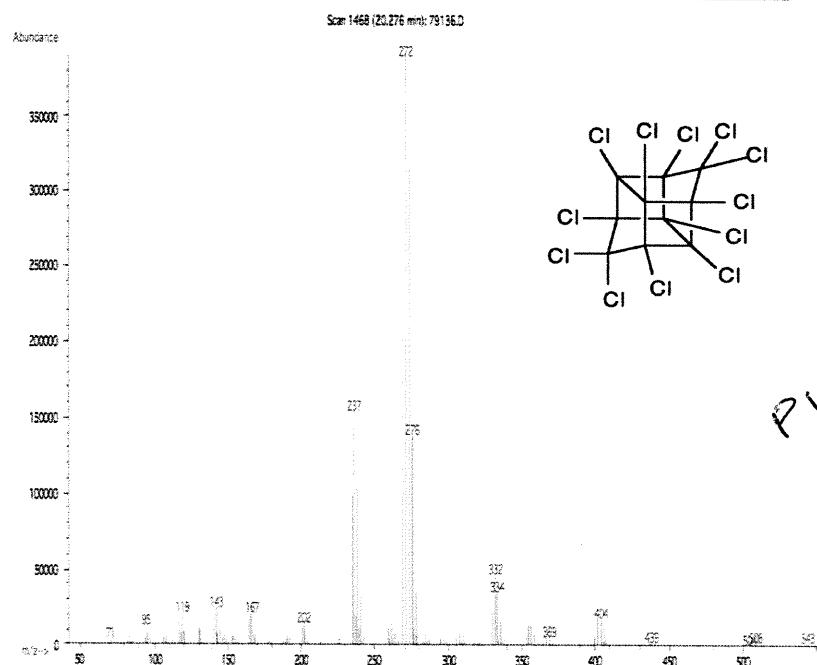
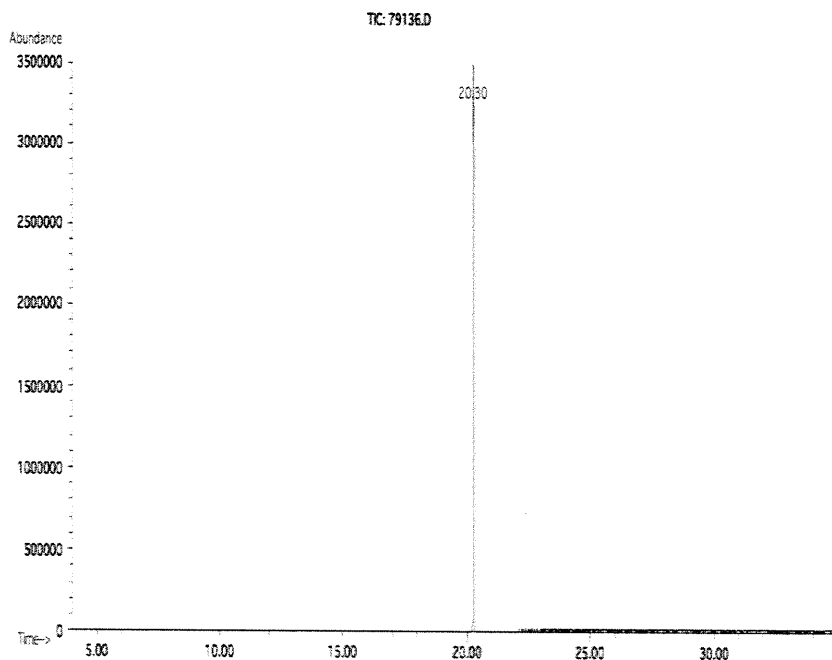
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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.: A0177326
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2026 Storage: 10°C or colder
Ship: Ambient

P11811
✓
P11819
AJ
06/17/22

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Toxaphene	1,004.7 µg/mL	+/- 5.9674 µg/mL Gravimetric
	CAS # 8001-35-2 (Lot 1051817)		+/- 31.8552 µg/mL Unstressed
	Purity ----%		+/- 41.6063 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

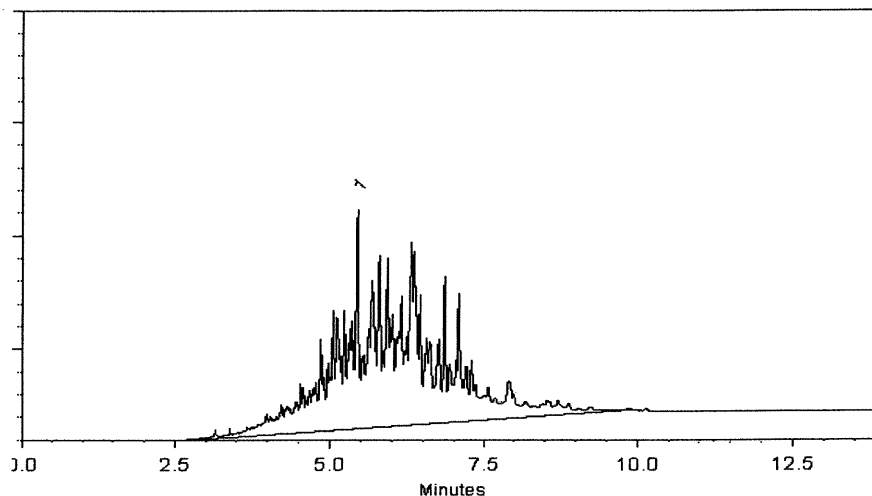
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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: 11-Oct-2021 **Balance:** B442140311

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 14-Oct-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



110 Benner Circle
Bellefonte, PA 16823-8812
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.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

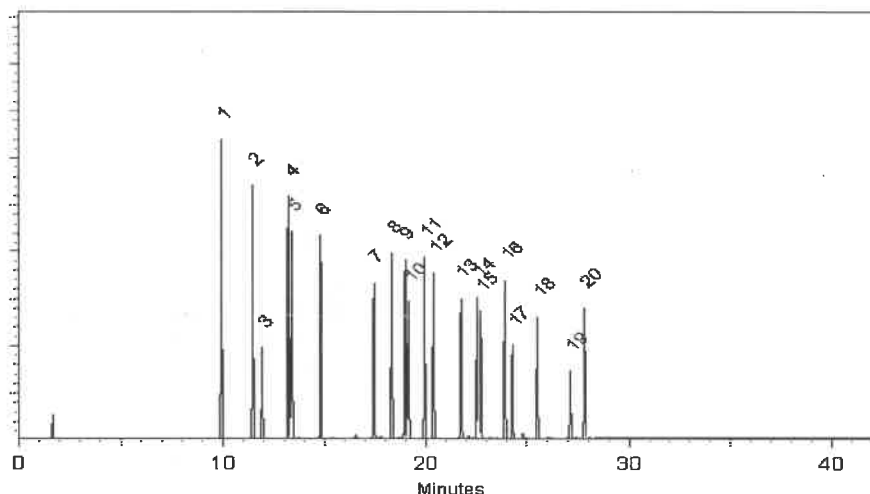
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
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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.:** A0200423

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

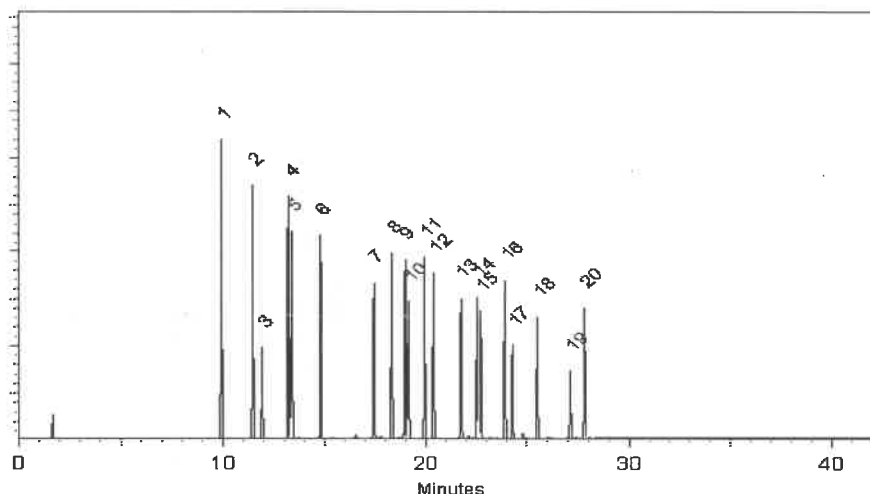
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } ⑤
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 P13247 }
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02/9/2024



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Bellefonte, PA 16823-8812
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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

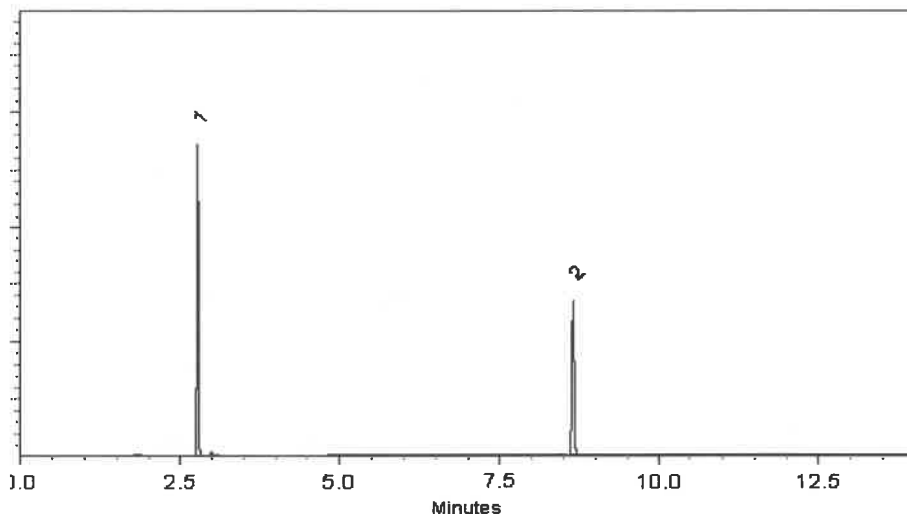
ECD

Split Vent:

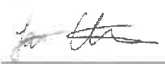
10 ml/min.

Inj. Vol

1µl

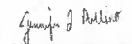


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

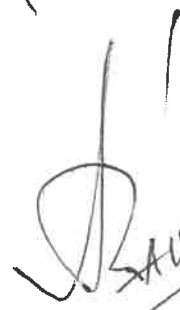
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348
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P13357 } (10)


SAUF
04/25/2025



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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. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13358
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P 13369

12
✓
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

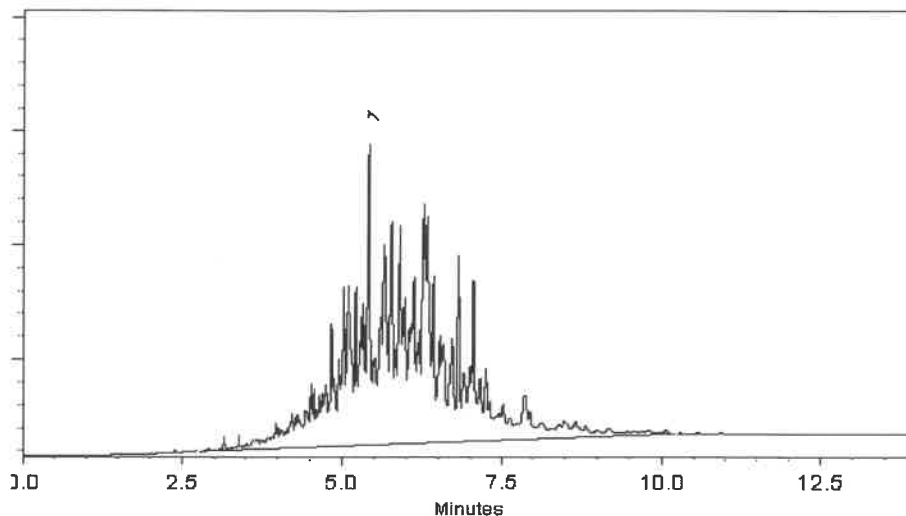
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13358
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P13369
↓
(12)


05-06-2024



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13358
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P 13369
(12)

[Signature]
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

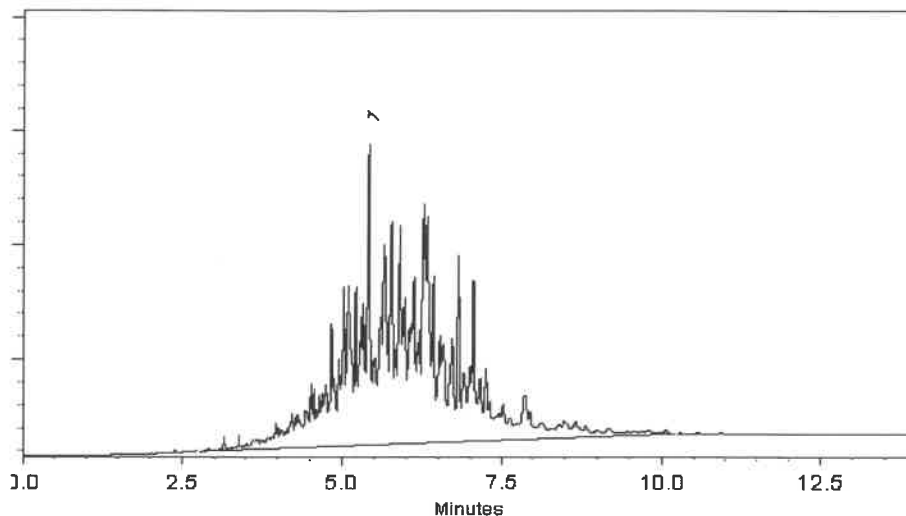
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13358 } (12)
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P13369
|


05-06-2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
5/22/2021

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:

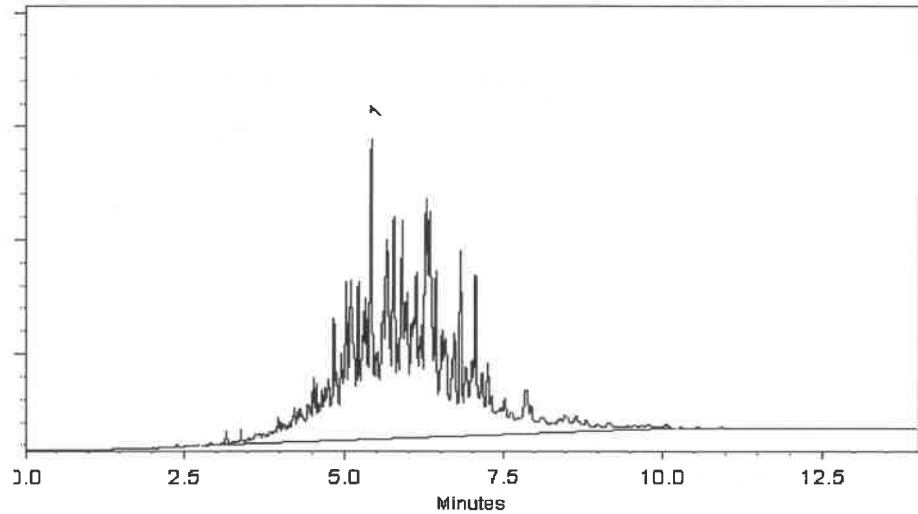
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

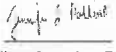


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

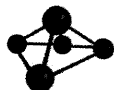

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#: **102669**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL):

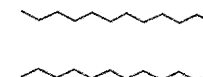
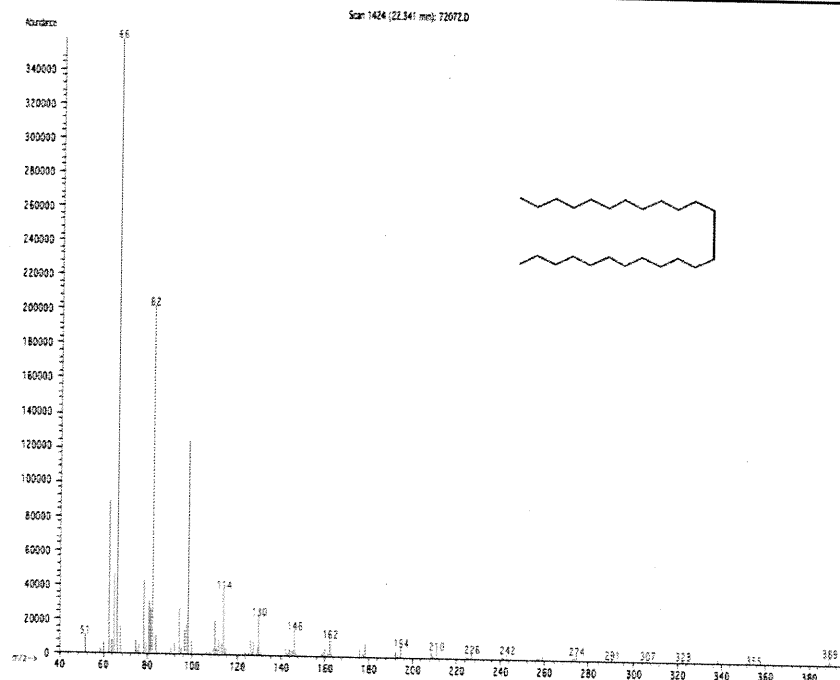
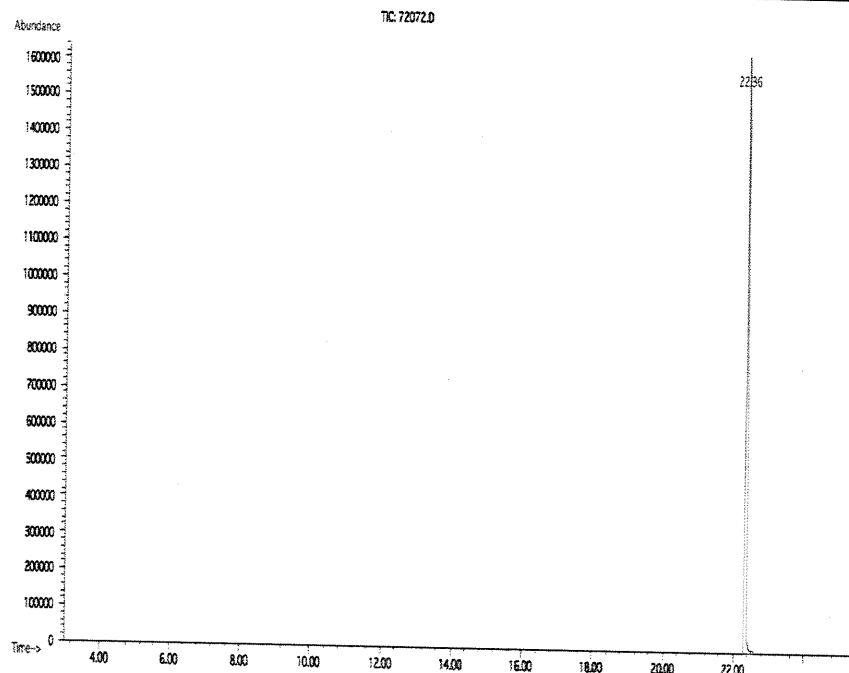
200.0
0.058 Balance Uncertainty
0.058 Flask Uncertainty

Received by
SG on 11/1/19
P9044 - P9053

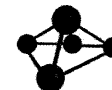
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

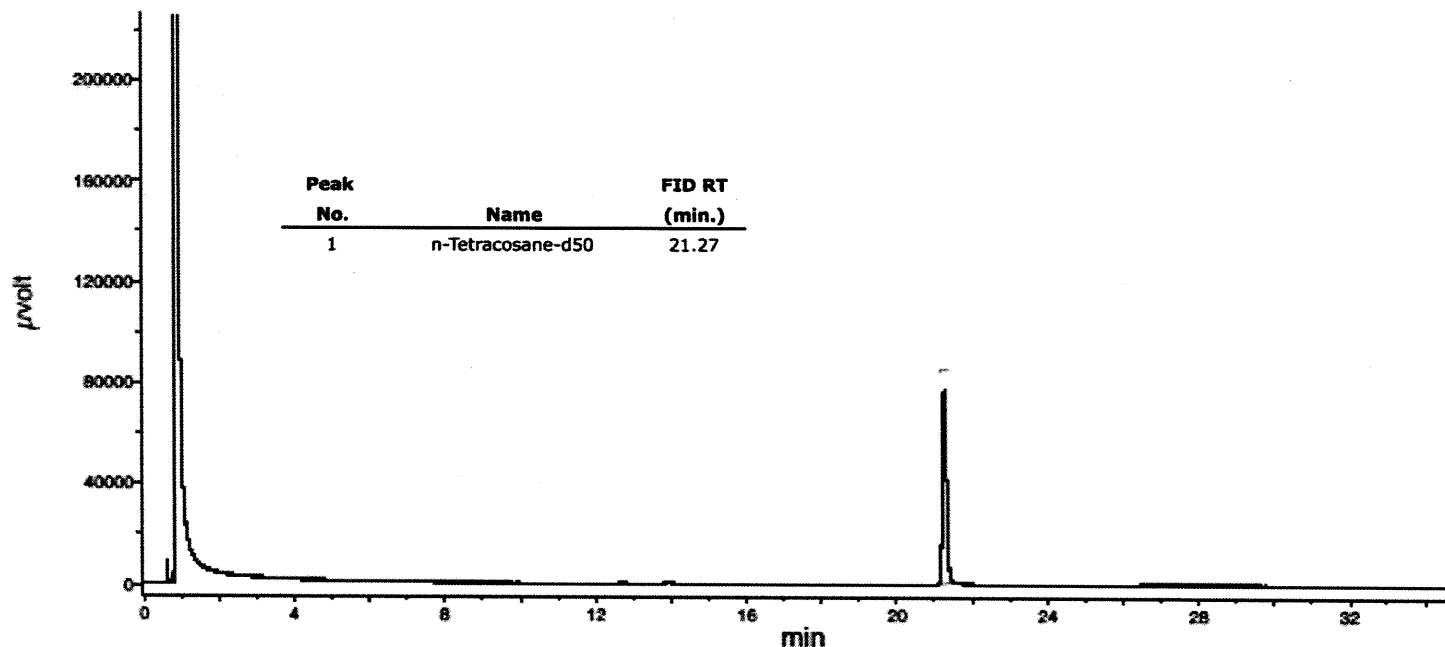
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

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Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

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Date	Order #
09/03/2024	318988



Ship To

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0924	8259-04
1	1	0	PT-HG-WP	WP Mercury	WP0924	8259-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0924	8259-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0924	8259-06
1	1	0	PT-DEM-WP	WP Demand	WP0924	8259-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0924	8259-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0924	8259-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0924	8259-72
1	1	0	PT-SOL-WP	WP Solids	WP0924	8259-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0924	8259-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0924	8259-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0924	8259-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0924	8259-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0924	8259-13
1	1	0	PT-PH-WP	WP pH	WP0924	8259-15
1	1	0	PT-CN-WP	WP Cyanide	WP0924	8259-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0924	8259-16

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Packing List

Date	Order #
09/03/2024	318988



Ship To

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0924	8259-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0924	8259-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0924	8259-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0924	8259-20
1	1	0	PT-SIO2-WP	WP Silica	WP0924	8259-21
1	1	0	PT-COL-WP	WP Color	WP0924	8259-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0924	8259-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0924	8259-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0924	8259-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0924	8259-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0924	8259-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0924	8259-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0924	8259-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0924	8259-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R39151	R39151-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R39151	R39151-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R39151	R39151-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R39151	R39151-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R39151	R39151-98
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R39151	R39151-108

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488