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Cover Page

Order ID : Q1215

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1215-01	JPP-29.1-012825
Q1215-02	JPP-29.1-012825
Q1215-03	JPP-29.1-012825
Q1215-04	JPP-29.1-012825
Q1215-05	JPP-29.2-012825
Q1215-06	JPP-29.2-012825
Q1215-07	JPP-29.2-012825
Q1215-08	JPP-29.2-012825

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

Signature : _____

Date: 2/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1215
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 01/29/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PL093919.D met the requirements except for 4,4-DDD is failing in 1st column AND 4,4-DDD is failing in 2nd column but no positive hit in associated sample therefore no corrective action taken.

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E. Additional Comments:
The Sample # JPP-29.1-012825, JPP-29.2-012825 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1215 MATRIX: Solid

METHOD: 8081B/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration File ID PL093919.D met the requirements except for 4,4-DDD is failing in 1st column AND 4,4-DDD is failing in 2nd column but no positive hit in associated sample therefore no corrective action taken.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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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:

The Sample # JPP-29.1-012825, JPP-29.2-012825 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1215

	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:** 02/04/2025

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LAB CHRONICLE

OrderID:	Q1215	**OrderDate:**	1/29/2025 11:20:00 AM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1215-01	**JPP-29.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1215-03	**JPP-29.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
			Pesticide-TCL	8081B		01/30/25	02/01/25	
Q1215-05	**JPP-29.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1215-07	**JPP-29.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
			Pesticide-TCL	8081B		01/30/25	01/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1215 **Order ID:** Q1215

Client: RU2 Engineering, LLC **Project ID:** NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-29.1-012825								
Q1215-03	JPP-29.1-012825	SOIL	4,4-DDD	1.50	JP	0.21	1.90	ug/kg
			Total Concentration:	**1.500**				
Client ID : JPP-29.2-012825								
Q1215-07	JPP-29.2-012825	SOIL	alpha-Chlordane	0.52	JP	0.19	1.90	ug/kg
			Total Concentration:	**0.520**				

QC
SUMMARY

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Surrogate Summary

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093725.D	PIBLK-PL093725.D	Decachlorobiphenyl	1	20	22.1	111		43	140
		Tetrachloro-m-xylene	1	20	20.8	104		77	126
		Decachlorobiphenyl	2	20	21.9	109		43	140
		Tetrachloro-m-xylene	2	20	20.5	103		77	126
I.BLK-PL093904.D	PIBLK-PL093904.D	Decachlorobiphenyl	1	20	20.2	101		43	140
		Tetrachloro-m-xylene	1	20	19.1	96		77	126
		Decachlorobiphenyl	2	20	16.0	80		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
PB166359BL	PB166359BL	Decachlorobiphenyl	1	20	23.6	118		10	148
		Tetrachloro-m-xylene	1	20	21.1	106		10	159
		Decachlorobiphenyl	2	20	22.5	112		10	148
		Tetrachloro-m-xylene	2	20	21.6	108		10	159
PB166359BS	PB166359BS	Decachlorobiphenyl	1	20	23.4	117		10	148
		Tetrachloro-m-xylene	1	20	20.6	103		10	159
		Decachlorobiphenyl	2	20	22.0	110		10	148
		Tetrachloro-m-xylene	2	20	20.0	100		10	159
Q1215-07	JPP-29.2-012825	Decachlorobiphenyl	1	20	14.4	72		10	148
		Tetrachloro-m-xylene	1	20	13.1	66		10	159
		Decachlorobiphenyl	2	20	13.2	66		10	148
		Tetrachloro-m-xylene	2	20	13.6	68		10	159
I.BLK-PL093917.D	PIBLK-PL093917.D	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	18.1	90		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
I.BLK-PL093970.D	PIBLK-PL093970.D	Decachlorobiphenyl	1	20	19.3	96		43	140
		Tetrachloro-m-xylene	1	20	21.3	107		77	126
		Decachlorobiphenyl	2	20	16.1	81		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
Q1215-03	JPP-29.1-012825	Decachlorobiphenyl	1	20	15.9	80		10	148
		Tetrachloro-m-xylene	1	20	16.6	83		10	159
		Decachlorobiphenyl	2	20	17.0	85		10	148
		Tetrachloro-m-xylene	2	20	18.6	93		10	159
Q1215-03MS	JPP-29.1-012825MS	Decachlorobiphenyl	1	20	16.0	80		10	148
		Tetrachloro-m-xylene	1	20	14.9	75		10	159
		Decachlorobiphenyl	2	20	15.1	76		10	148
		Tetrachloro-m-xylene	2	20	16.8	84		10	159
Q1215-03MSD	JPP-29.1-012825MSD	Decachlorobiphenyl	1	20	15.1	75		10	148
		Tetrachloro-m-xylene	1	20	14.5	73		10	159
		Decachlorobiphenyl	2	20	14.5	72		10	148
		Tetrachloro-m-xylene	2	20	16.6	83		10	159
I.BLK-PL093977.D	PIBLK-PL093977.D	Decachlorobiphenyl	1	20	18.9	94		43	140

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Surrogate Summary

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093977.D	PIBLK-PL093977.D	Tetrachloro-m-xylene	1	20	21.9	109		77	126
		Decachlorobiphenyl	2	20	18.1	91		43	140
		Tetrachloro-m-xylene	2	20	21.0	105		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL093973.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JPP-29.1-012825MS**											
Q1215-03MS	alpha-BHC	18.73	0	17.8	ug/kg	95				60	144	
	beta-BHC	18.73	0	17.0	ug/kg	91				54	143	
	delta-BHC	18.73	0	17.6	ug/kg	94				47	144	
	gamma-BHC (Lindane)	18.73	0	18.7	ug/kg	100				61	140	
	Heptachlor	18.73	0	17.8	ug/kg	95				63	135	
	Aldrin	18.73	0	17.0	ug/kg	91				49	139	
	Heptachlor epoxide	18.73	0	17.1	ug/kg	91				32	180	
	Endosulfan I	18.73	0	16.7	ug/kg	89				56	142	
	Dieldrin	18.73	0	16.7	ug/kg	89				47	161	
	4,4'-DDE	18.73	0	17.6	ug/kg	94				55	136	
	Endrin	18.73	0	17.7	ug/kg	95				57	139	
	Endosulfan II	18.73	0	16.6	ug/kg	89				40	163	
	4,4'-DDD	18.73	1.5	19.0	ug/kg	93				37	192	
	Endosulfan sulfate	18.73	0	15.7	ug/kg	84				62	139	
	4,4'-DDT	18.73	0	17.1	ug/kg	91				51	146	
	Methoxychlor	18.73	0	16.3	ug/kg	87				54	136	
	Endrin ketone	18.73	0	15.7	ug/kg	84				60	129	
	Endrin aldehyde	18.73	0	15.1	ug/kg	81				59	132	
	alpha-Chlordane	18.73	0	18.2	ug/kg	97				30	192	
	gamma-Chlordane	18.73	0	20.1	ug/kg	107				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL093974.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JPP-29.1-012825MSD**											
Q1215-03MSD	alpha-BHC	18.72	0	17.6	ug/kg	94		1		60	144	20
	beta-BHC	18.72	0	18.6	ug/kg	99		8		54	143	20
	delta-BHC	18.72	0	17.5	ug/kg	93		1		47	144	20
	gamma-BHC (Lindane)	18.72	0	18.5	ug/kg	99		1		61	140	20
	Heptachlor	18.72	0	17.5	ug/kg	93		2		63	135	20
	Aldrin	18.72	0	16.7	ug/kg	89		2		49	139	20
	Heptachlor epoxide	18.72	0	16.8	ug/kg	90		1		32	180	20
	Endosulfan I	18.72	0	15.9	ug/kg	85		5		56	142	20
	Dieldrin	18.72	0	16.3	ug/kg	87		2		47	161	20
	4,4'-DDE	18.72	0	16.4	ug/kg	88		7		55	136	20
	Endrin	18.72	0	17.5	ug/kg	93		2		57	139	20
	Endosulfan II	18.72	0	16.2	ug/kg	87		2		40	163	20
	4,4'-DDD	18.72	1.5	18.7	ug/kg	92		1		37	192	20
	Endosulfan sulfate	18.72	0	15.4	ug/kg	82		2		62	139	20
	4,4'-DDT	18.72	0	16.3	ug/kg	87		4		51	146	20
	Methoxychlor	18.72	0	15.8	ug/kg	84		4		54	136	20
	Endrin ketone	18.72	0	15.0	ug/kg	80		5		60	129	20
	Endrin aldehyde	18.72	0	14.7	ug/kg	79		3		59	132	20
	alpha-Chlordane	18.72	0	17.6	ug/kg	94		3		30	192	20
	gamma-Chlordane	18.72	0	19.6	ug/kg	105		2		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8081B **Datafile :** PL093908.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166359BS	alpha-BHC	16.65	16.6	ug/kg	100				84	123	
	beta-BHC	16.65	16.9	ug/kg	102				82	123	
	delta-BHC	16.65	16.4	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.65	16.3	ug/kg	98				83	125	
	Heptachlor	16.65	16.6	ug/kg	100				83	122	
	Aldrin	16.65	16.5	ug/kg	99				82	124	
	Heptachlor epoxide	16.65	17.1	ug/kg	103				83	120	
	Endosulfan I	16.65	17.6	ug/kg	106				81	124	
	Dieldrin	16.65	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.65	18.2	ug/kg	109				81	123	
	Endrin	16.65	16.1	ug/kg	97				76	130	
	Endosulfan II	16.65	17.6	ug/kg	106				80	125	
	4,4'-DDD	16.65	19.6	ug/kg	118				80	131	
	Endosulfan sulfate	16.65	17.5	ug/kg	105				81	122	
	4,4'-DDT	16.65	16.6	ug/kg	100				70	129	
	Methoxychlor	16.65	16.3	ug/kg	98				60	119	
	Endrin ketone	16.65	17.8	ug/kg	107				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	17.6	ug/kg	106				84	120	
	gamma-Chlordane	16.65	17.8	ug/kg	107				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166359BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

Lab Sample ID: PB166359BL Lab File ID: PL093907.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 01/30/2025

Date Analyzed (1): 01/30/2025 Date Analyzed (2): 01/30/2025

Time Analyzed (1): 19:32 Time Analyzed (2): 19:32

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166359BS	PB166359BS	PL093908.D	01/30/2025	01/30/2025
JPP-29.2-012825	Q1215-07	PL093909.D	01/30/2025	01/30/2025
JPP-29.1-012825	Q1215-03	PL093972.D	02/01/2025	02/01/2025
JPP-29.1-012825MS	Q1215-03MS	PL093973.D	02/01/2025	02/01/2025
JPP-29.1-012825MSD	Q1215-03MSD	PL093974.D	02/01/2025	02/01/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PL093972.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093972.D	1	01/30/25 08:30	02/01/25 01:10	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.55	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.19	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.26	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.15	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.34	1.90	ug/kg
72-54-8	4,4-DDD	1.50	JP	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.43	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.90	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	37.1	U	5.90	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.0		10 - 148	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		10 - 159	93%	SPK: 20

Raw Data: **PL093972.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093972.D	1	01/30/25 08:30	02/01/25 01:10	PB166359

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

Sample Results: **PL093972.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:10
Operator : AR\AJ
Sample : Q1215-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.536	2.772	44558746	60689748	16.548m	18.593m
28) SA	Decachlor...	9.054	7.910	33320780	59545143	15.928	16.993m
	Target Compounds						
7) B	delta-BHC	4.765	4.124	3690898	2290610	1.053	0.482m#
16) A	4,4'-DDD	6.701	5.770	7842414	4833665	4.126	1.531m#

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

Sample Results: **PL093972.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:10
Operator : AR\AJ
Sample : Q1215-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

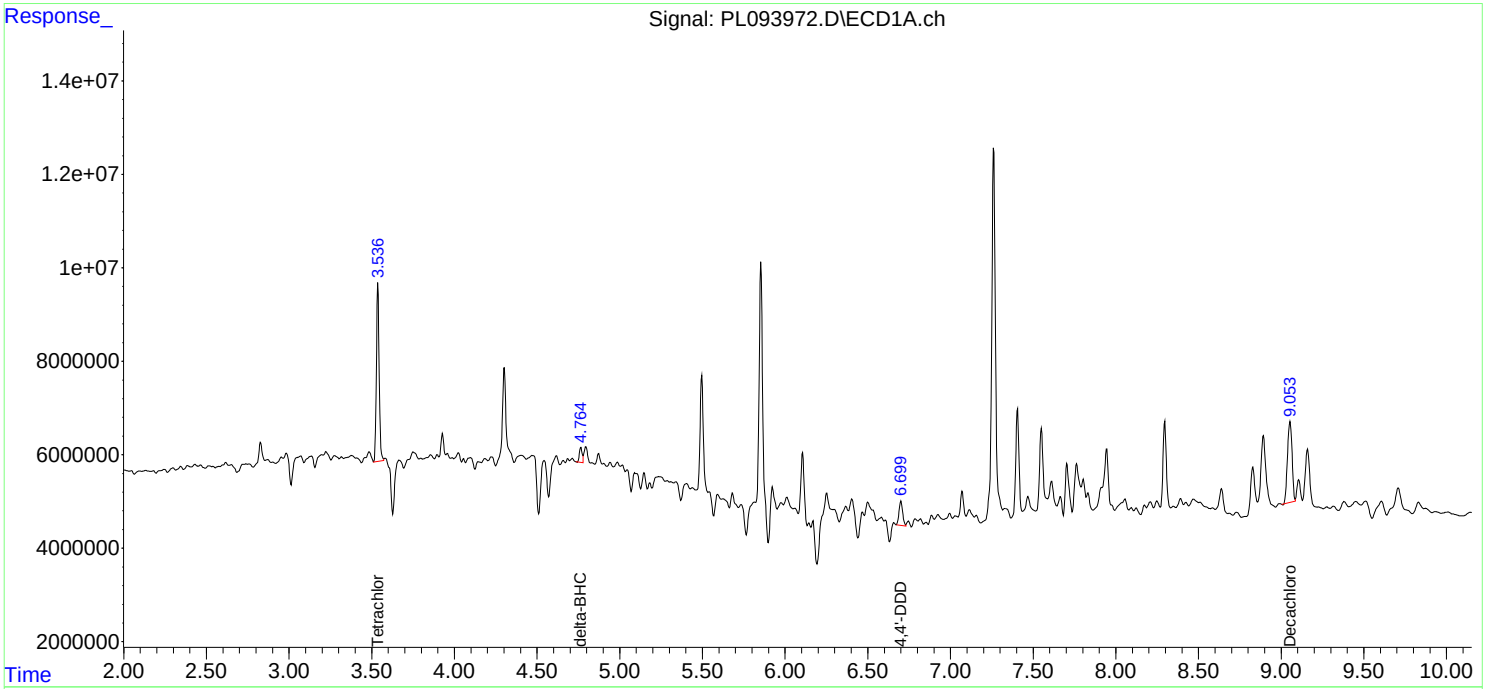
Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825

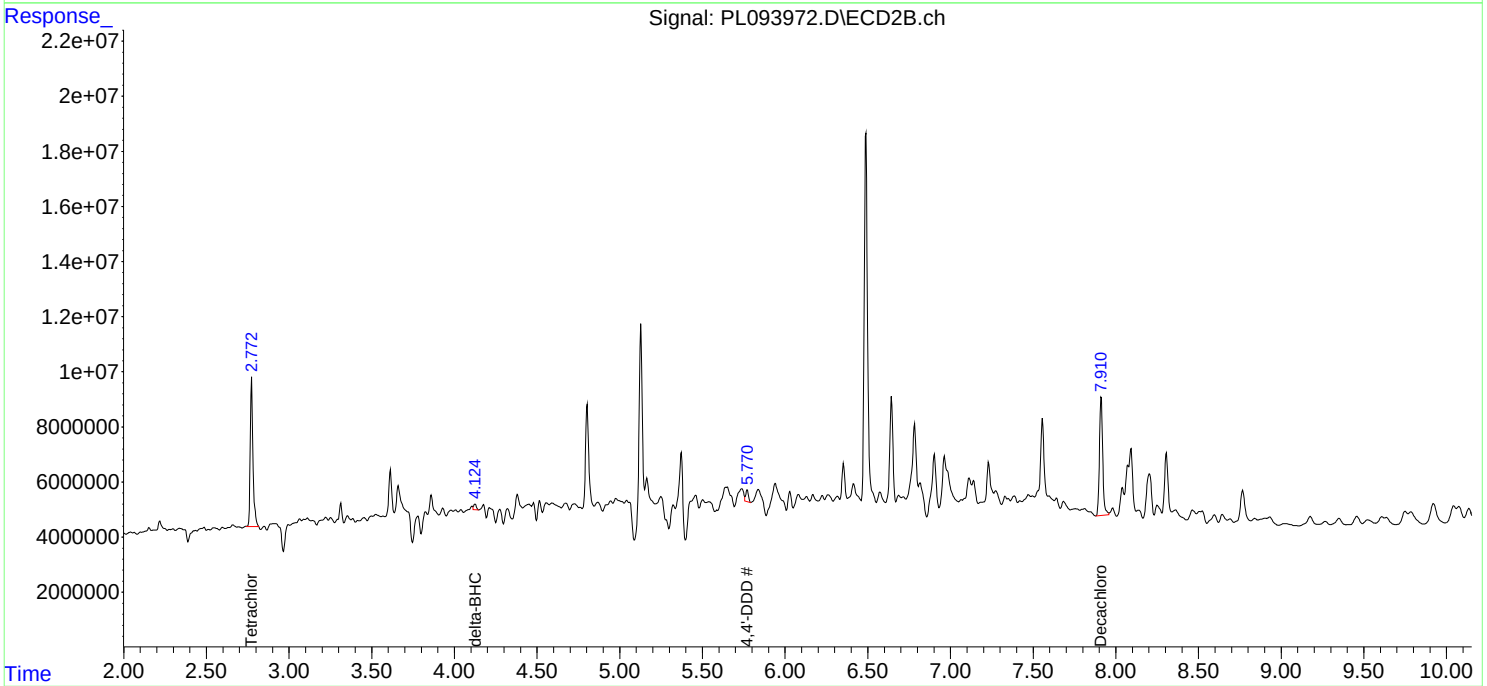
Manual Integrations APPROVED

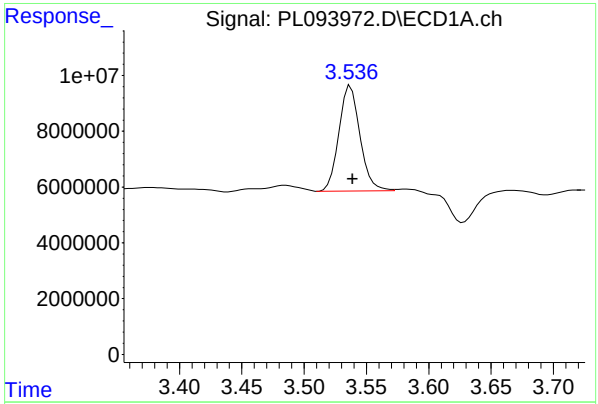
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







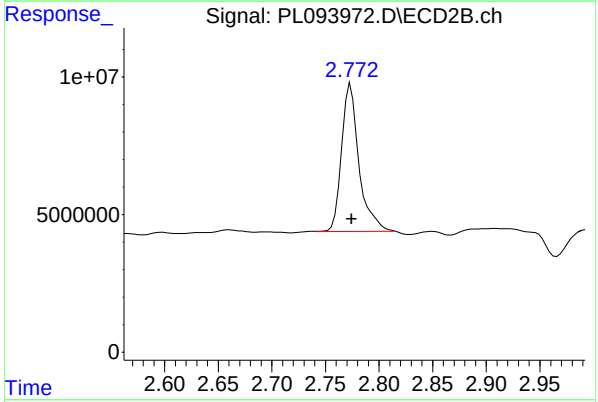
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 mi
Response: 44558746
Conc: 16.55 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825

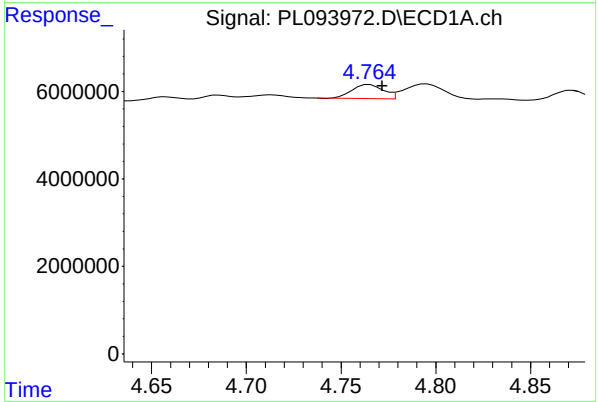
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



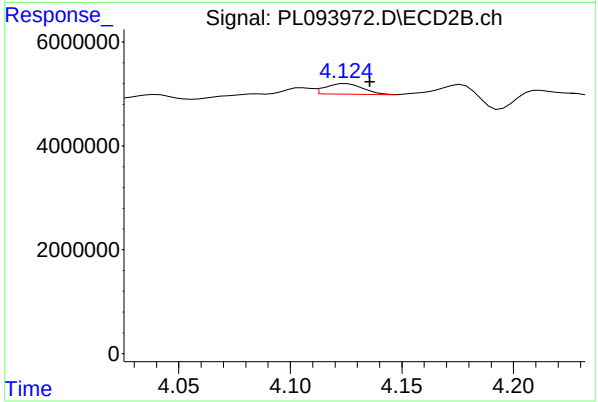
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 60689748
Conc: 18.59 ng/ml m



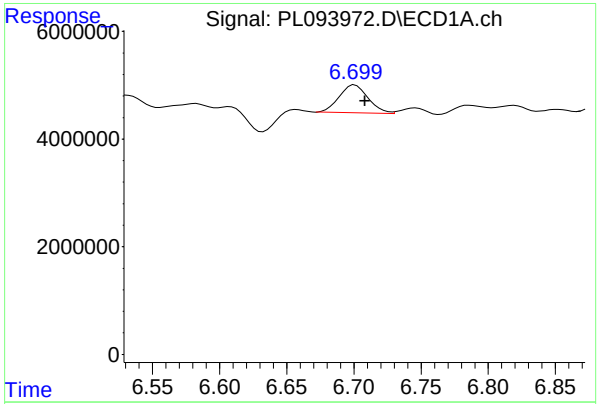
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: -0.007 min
Response: 3690898
Conc: 1.05 ng/ml



#7 delta-BHC

R.T.: 4.124 min
Delta R.T.: -0.012 min
Response: 2290610
Conc: 0.48 ng/ml m



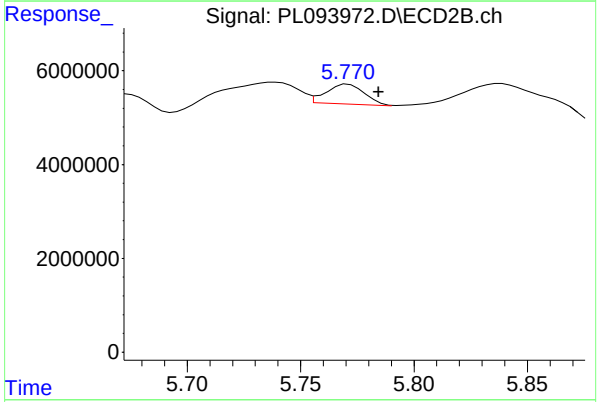
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.008 min
Response: 7842414
Conc: 4.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825

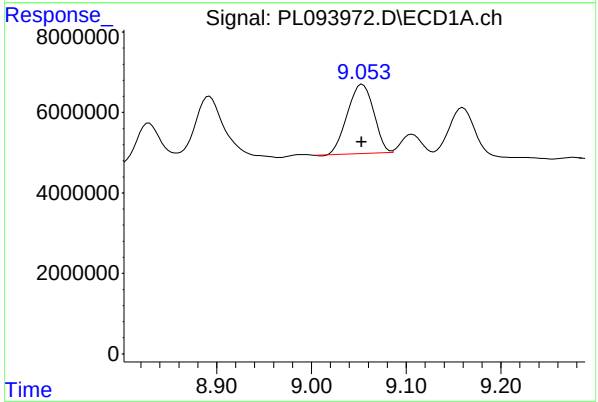
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



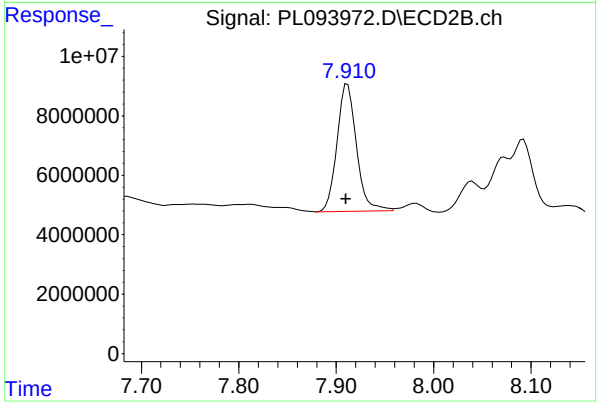
#16 4,4'-DDD

R.T.: 5.770 min
Delta R.T.: -0.015 min
Response: 4833665
Conc: 1.53 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 33320780
Conc: 15.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 59545143
Conc: 16.99 ng/ml m

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093909.D	1	01/30/25 08:30	01/30/25 19:58	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.55	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.19	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.26	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.15	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.34	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.43	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.52	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	37.1	U	5.90	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.4		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.6		10 - 159	68%	SPK: 20

Raw Data: **PL093909.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093909.D	1	01/30/25 08:30	01/30/25 19:58	PB166359

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

Sample Results: **PL093909.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:58
Operator : AR\AJ
Sample : Q1215-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-29.2-012825

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:38:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.774	35342858	44270147	13.125m	13.563
28)	SA Decachlor...	9.053	7.910	30186276	46328812	14.430	13.221
	Target Compounds						
4)	MA Heptachlor	4.912	3.941	1241431	970789	0.379m	0.209m#
11)	B alpha-Chl...	6.020	5.037	3872393	2470763	1.389m	0.590m#

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

Sample Results: **PL093909.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:58
Operator : AR\AJ
Sample : Q1215-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

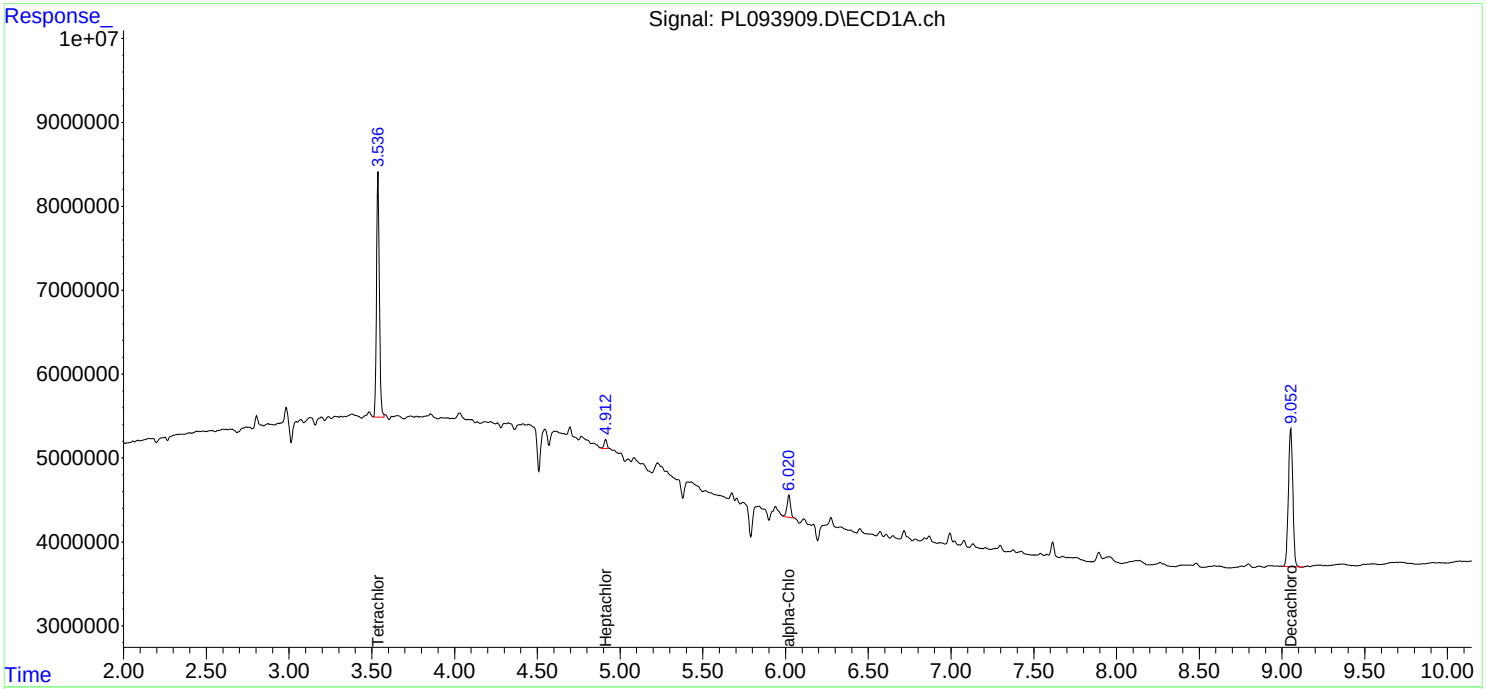
Instrument :
ECD_L
ClientSampleId :
JPP-29.2-012825

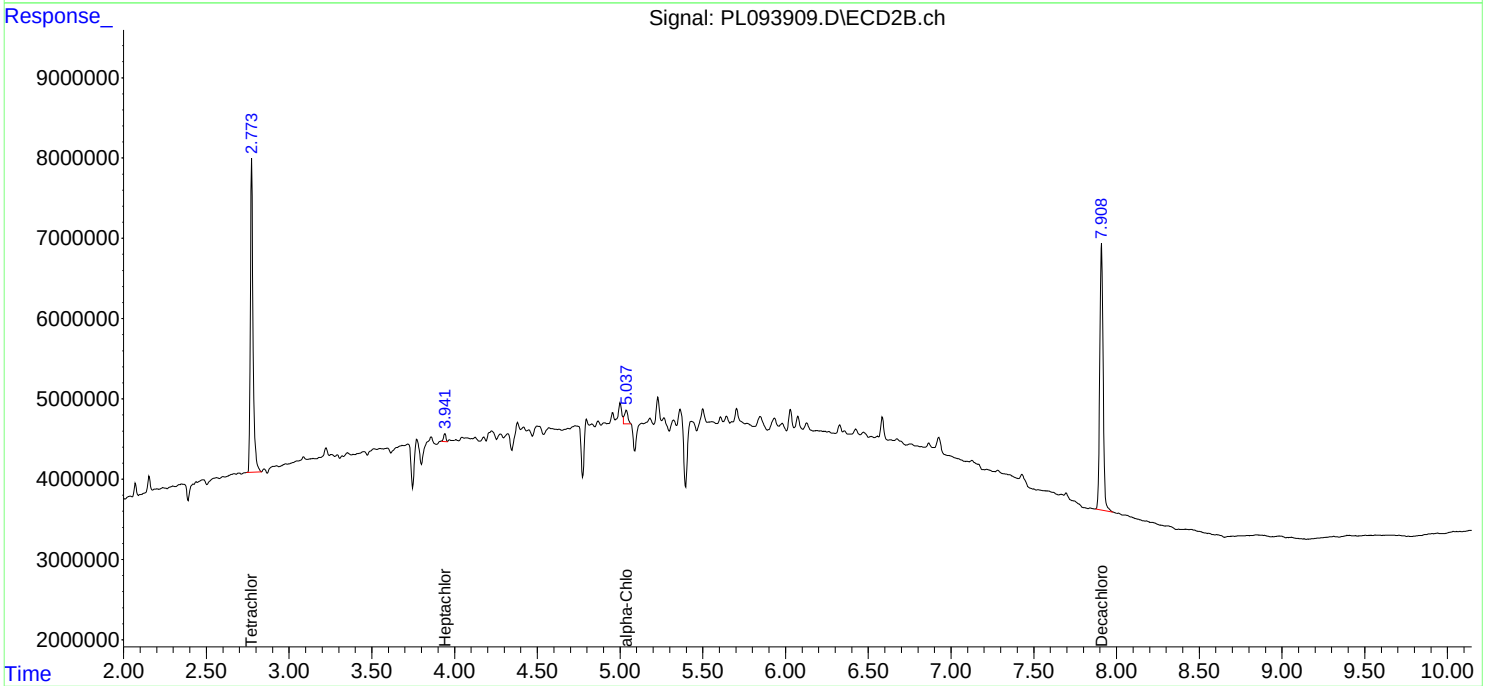
Manual Integrations APPROVED

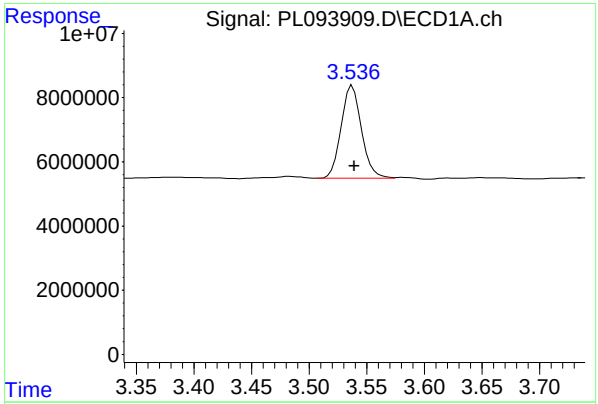
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:38:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







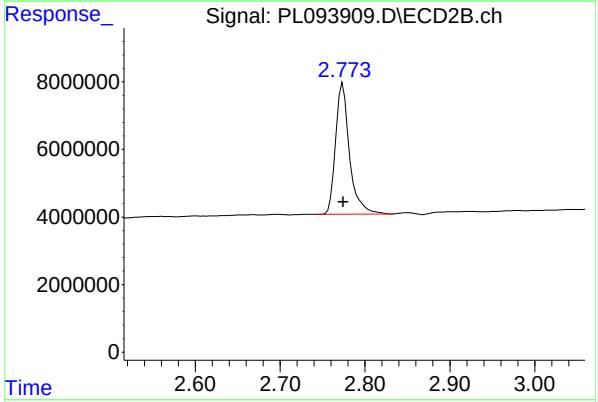
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 35342858
Conc: 13.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.2-012825

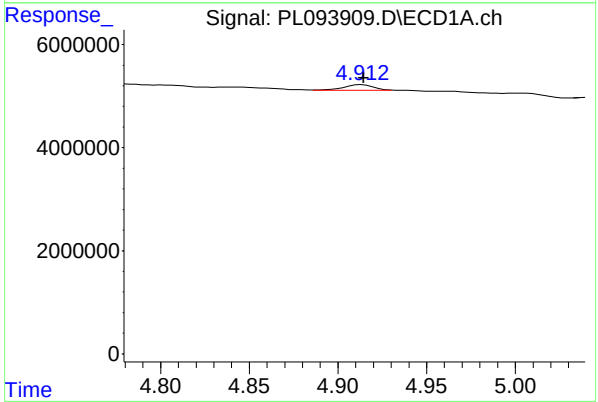
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



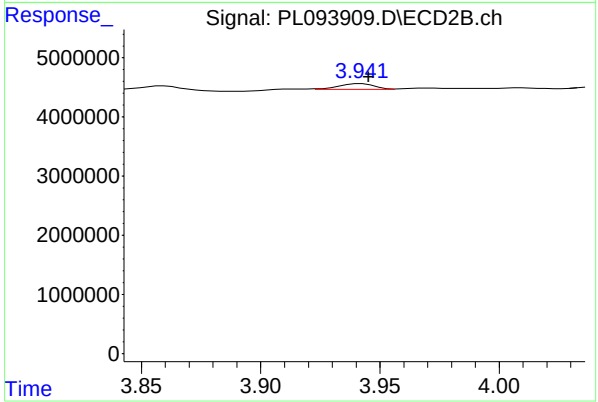
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 44270147
Conc: 13.56 ng/ml



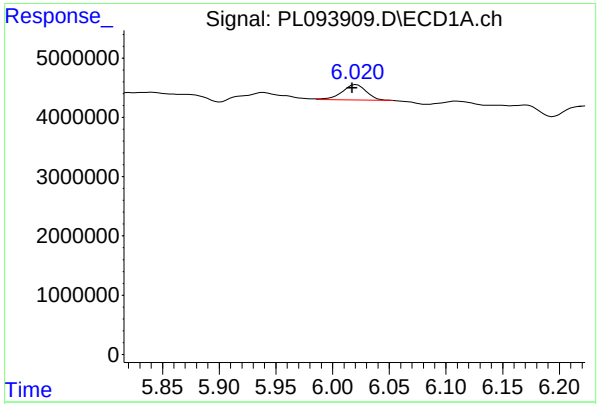
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 1241431
Conc: 0.38 ng/ml m



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 970789
Conc: 0.21 ng/ml m



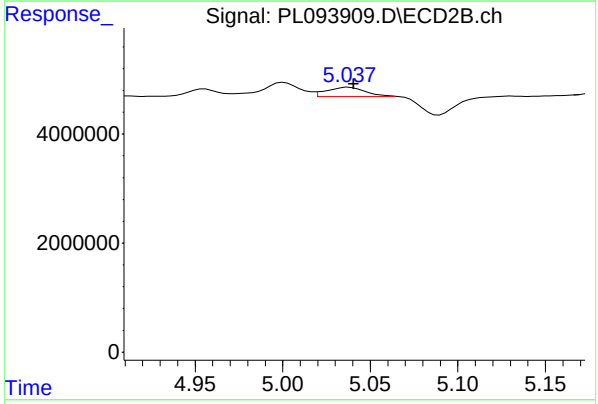
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.002 mi
Response: 3872393
Conc: 1.39 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.2-012825

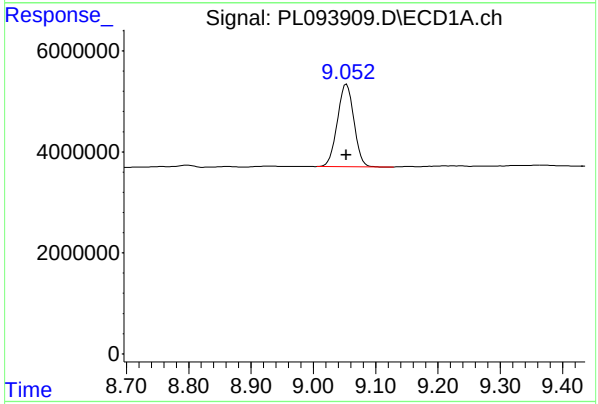
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



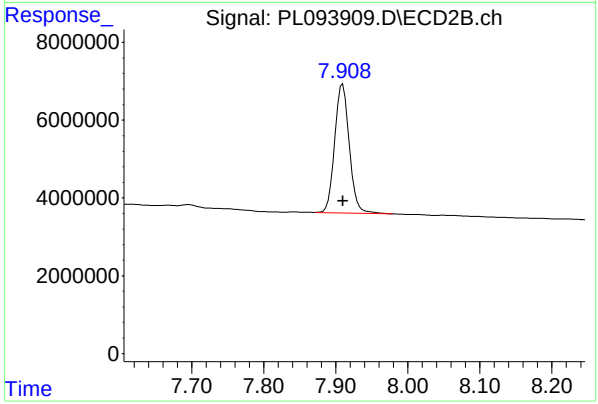
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.004 min
Response: 2470763
Conc: 0.59 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 30186276
Conc: 14.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 46328812
Conc: 13.22 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
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

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.23	4.23	4.23	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.14	4.14	4.14	4.14	4.13	4.14	4.04	4.24
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.77	2.77	2.77	2.77	2.77	2.67	2.87

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L

Calibration Date(s): 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1660930000	1679650000	1932670000	1802720000	2426830000	1900560000	17
4,4'-DDE	2179870000	2169930000	2489080000	2321590000	3012520000	2434600000	14
4,4'-DDT	1755570000	1766710000	2016720000	1907120000	2414170000	1972060000	14
Aldrin	2924220000	2896750000	3292630000	3099660000	4146570000	3271970000	16
alpha-BHC	3537700000	3490280000	3918110000	3562830000	4660310000	3833850000	13
alpha-Chlordane	2458070000	2458490000	2788200000	2666580000	3570690000	2788400000	16
beta-BHC	1393460000	1394440000	1618290000	1508890000	2121530000	1607320000	19
Decachlorobiphenyl	1768480000	1816480000	2098320000	2018470000	2757820000	2091910000	19
delta-BHC	3233860000	3194550000	3605880000	3303370000	4188780000	3505290000	12
Dieldrin	2456580000	2440810000	2788190000	2639340000	3554340000	2775850000	17
Endosulfan I	2304400000	2298550000	2637060000	2528610000	3445650000	2642860000	18
Endosulfan II	2084130000	2100600000	2413950000	2287820000	3160260000	2409350000	18
Endosulfan sulfate	1923100000	1945070000	2248580000	2190510000	3011450000	2263740000	20
Endrin	2079430000	2060990000	2363220000	2218560000	3001890000	2344820000	17
Endrin aldehyde	1673120000	1696040000	1958970000	1896570000	2495580000	1944060000	17
Endrin ketone	2196850000	2205550000	2539700000	2413910000	3257130000	2522630000	17
gamma-BHC (Lindane)	3375960000	3339350000	3767250000	3460830000	4470850000	3682850000	13
gamma-Chlordane	2455830000	2471830000	2815630000	2678390000	3515170000	2787370000	16
Heptachlor	2922500000	2901690000	3325290000	3144100000	4093120000	3277340000	15
Heptachlor epoxide	2568680000	2575960000	2953630000	2835830000	3935020000	2973820000	19
Methoxychlor	907284000	922109000	1080370000	1020090000	1287130000	1043400000	15
Tetrachloro-m-xylene	2397870000	2402980000	2740040000	2595500000	3327420000	2692760000	14

Alliance TECHNICAL GROUP

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L

Calibration Date(s): 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3134000000	3054730000	3379160000	2910470000	3304320000	3156540000	6
4,4'-DDE	3891920000	3807640000	4253650000	3749010000	4345130000	4009470000	7
4,4'-DDT	3270010000	3177800000	3542860000	3046890000	3232670000	3254050000	6
Aldrin	4482990000	4370810000	4856520000	4222470000	4876190000	4561800000	6
alpha-BHC	4914190000	4768640000	5271080000	4480730000	5010260000	4888980000	6
alpha-Chlordane	4056970000	3962110000	4424110000	3914810000	4574820000	4186560000	7
beta-BHC	1863440000	1842720000	2072180000	1889740000	2319100000	1997440000	10
Decachlorobiphenyl	3226690000	3193800000	3627020000	3320620000	4152210000	3504070000	11
delta-BHC	4741230000	4607910000	5098810000	4368820000	4939430000	4751240000	6
Dieldrin	4189300000	4076770000	4553570000	3958830000	4699760000	4295650000	7
Endosulfan I	3734100000	3661580000	4099030000	3635320000	4254550000	3876920000	7
Endosulfan II	3553260000	3487640000	3912960000	3484510000	4080760000	3703830000	7
Endosulfan sulfate	3408630000	3353240000	3757030000	3348270000	3963240000	3566080000	8
Endrin	3607760000	3481170000	3870730000	3406140000	4097610000	3692680000	8
Endrin aldehyde	2861460000	2820180000	3183430000	2892290000	3465840000	3044640000	9
Endrin ketone	3965120000	3881890000	4400080000	3907370000	4821740000	4195240000	10
gamma-BHC (Lindane)	4713370000	4597010000	5084610000	4384810000	4926270000	4741210000	6
gamma-Chlordane	4137240000	4016860000	4483010000	3935490000	4615500000	4237620000	7
Heptachlor	4505180000	4413750000	4924840000	4345980000	5084220000	4654790000	7
Heptachlor epoxide	4026840000	3946880000	4424170000	3927960000	4575440000	4180260000	7
Methoxychlor	1651870000	1634200000	1870410000	1643810000	2140390000	1788140000	12
Tetrachloro-m-xylene	3101220000	3058550000	3437230000	3066200000	3657590000	3264160000	8

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L **Date(s) Analyzed:** 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23446000
		2	6.44	6.34	6.54	14767200
		3	7.06	6.96	7.16	75896000
		4	7.15	7.05	7.25	57345100
		5	7.93	7.83	8.03	43067100

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Instrument ID: ECD_L **Date(s) Analyzed:** 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.00	4.90	5.10	27057100
		2	5.33	5.23	5.43	23947200
		3	5.68	5.58	5.78	24726400
		4	6.60	6.50	6.70	84987200
		5	7.04	6.94	7.14	80238300

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
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: Jan 21 13:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.539	2.775	239.8E6	310.1E6	93.340	94.861
28)	SA	Decachlor...	9.052	7.910	176.8E6	322.7E6	91.470	94.159
		Target Compounds						
2)	A	alpha-BHC	3.995	3.277	353.8E6	491.4E6	94.898	96.496
3)	MA	gamma-BHC...	4.328	3.607	337.6E6	471.3E6	94.522	96.211
4)	MA	Heptachlor	4.915	3.946	292.3E6	450.5E6	93.553	95.550
5)	MB	Aldrin	5.257	4.225	292.4E6	448.3E6	94.074	96.001
6)	B	beta-BHC	4.526	3.907	139.3E6	186.3E6	92.535	94.696
7)	B	delta-BHC	4.773	4.136	323.4E6	474.1E6	94.561	96.366
8)	B	Heptachlo...	5.683	4.727	256.9E6	402.7E6	93.029	95.298
9)	A	Endosulfan I	6.069	5.097	230.4E6	373.4E6	93.268	95.341
10)	B	gamma-Chl...	5.940	4.977	245.6E6	413.7E6	93.175	95.989
11)	B	alpha-Chl...	6.018	5.041	245.8E6	405.7E6	93.707	95.671
12)	B	4,4'-DDE	6.192	5.230	218.0E6	389.2E6	93.377	95.559
13)	MA	Dieldrin	6.344	5.361	245.7E6	418.9E6	93.677	95.834
14)	MA	Endrin	6.573	5.636	207.9E6	360.8E6	93.612	96.484
15)	B	Endosulfa...	6.793	5.932	208.4E6	355.3E6	92.668	95.182
16)	A	4,4'-DDD	6.710	5.785	166.1E6	313.4E6	92.438	96.236
17)	MA	4,4'-DDT	7.023	6.035	175.6E6	327.0E6	93.077	95.995
18)	B	Endrin al...	6.924	6.110	167.3E6	286.1E6	92.130	94.674
19)	B	Endosulfa...	7.158	6.333	192.3E6	340.9E6	92.198	95.138
20)	A	Methoxychlor	7.499	6.609	90728367	165.2E6	91.292	93.795
21)	B	Endrin ke...	7.643	6.838	219.7E6	396.5E6	92.761	94.800
22)		Mirex	8.115	7.018	175.3E6	309.9E6	91.817	94.309

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

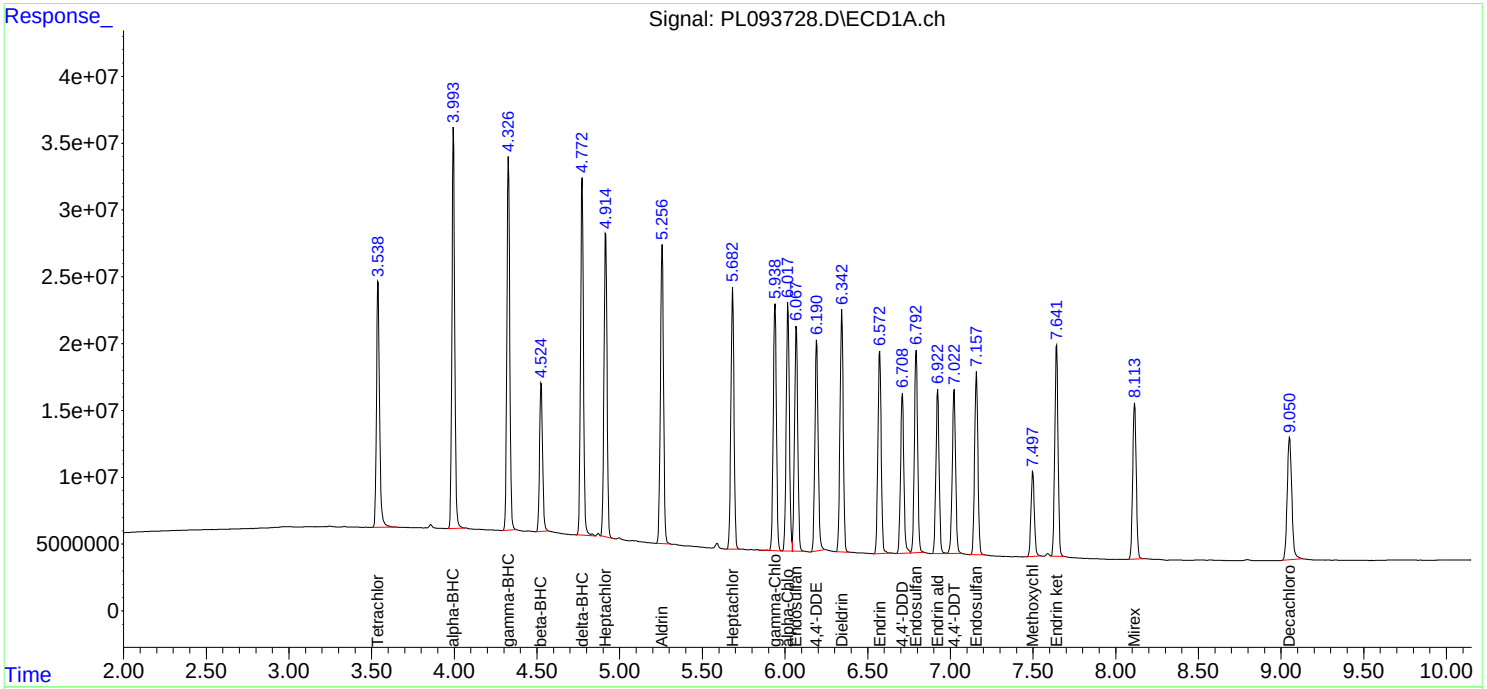
ICAL Form

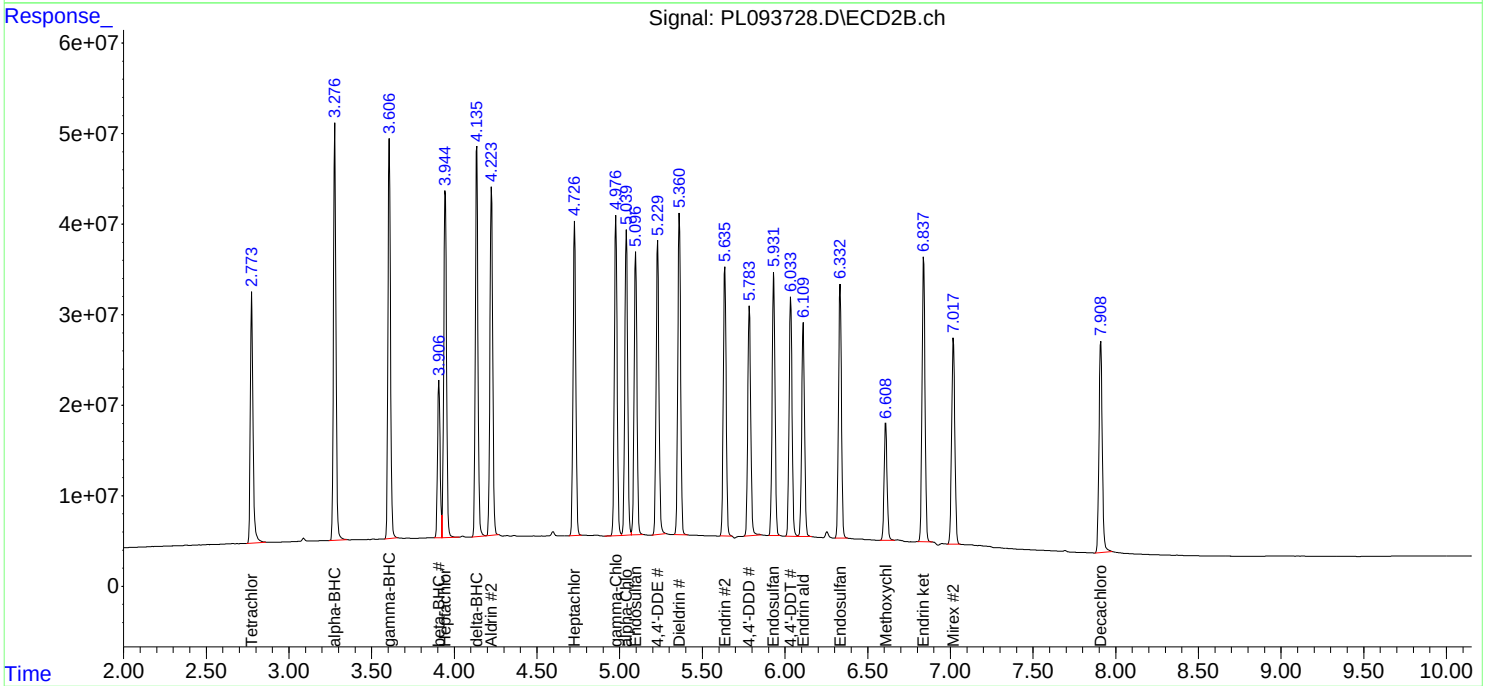
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

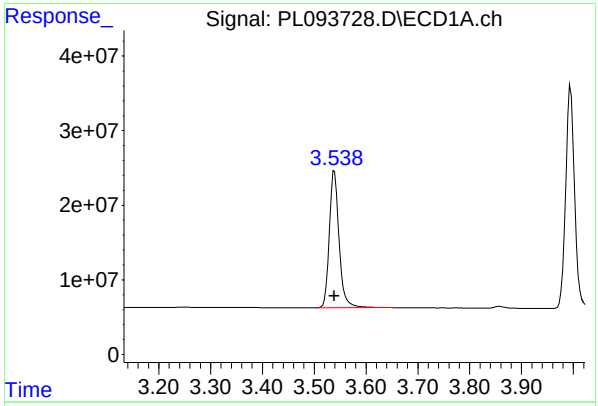
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



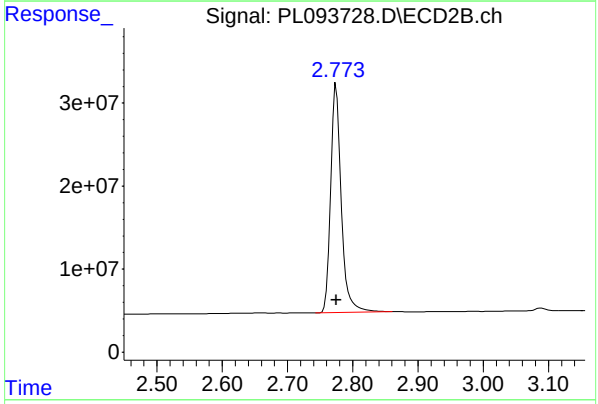




#1 Tetrachloro-m-xylene

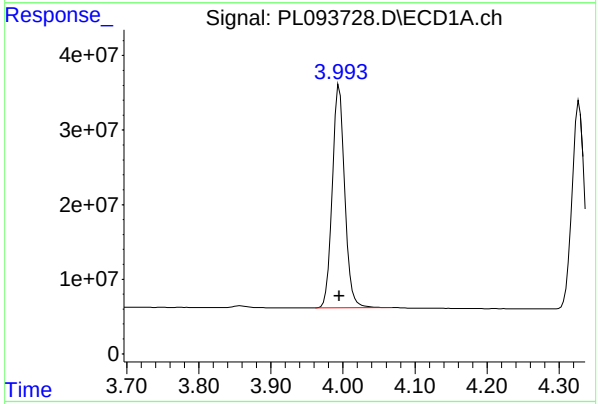
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



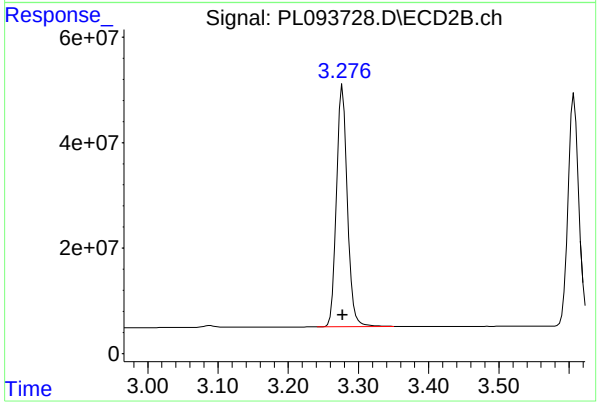
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 310121914
Conc: 94.86 ng/ml



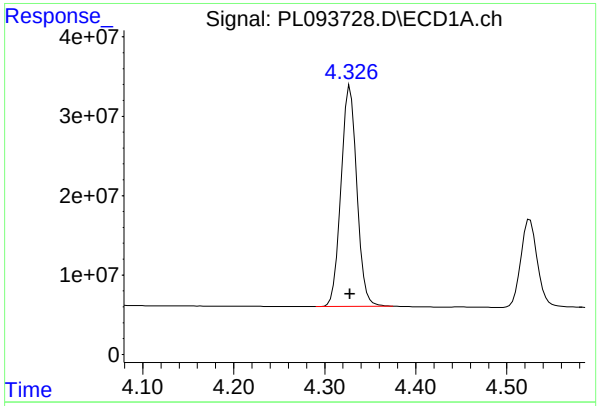
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 353769763
Conc: 94.90 ng/ml



#2 alpha-BHC

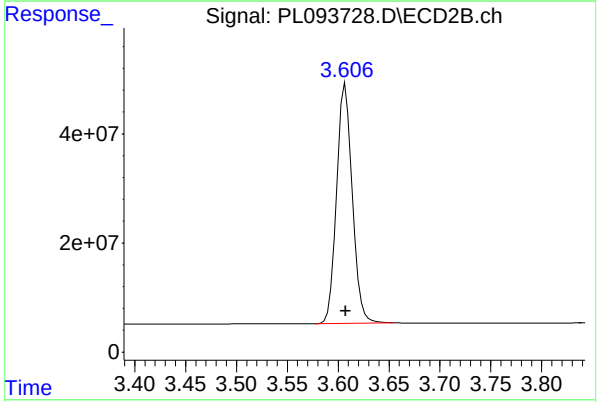
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

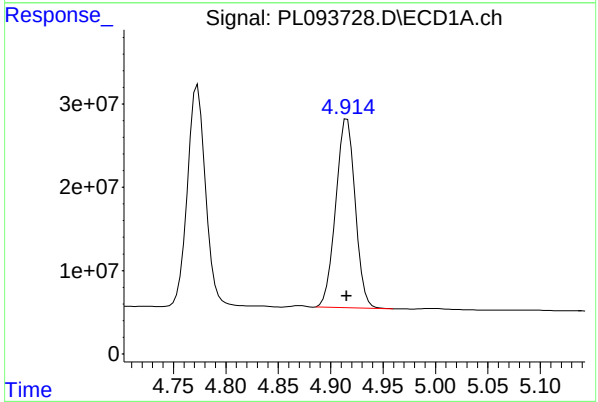
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



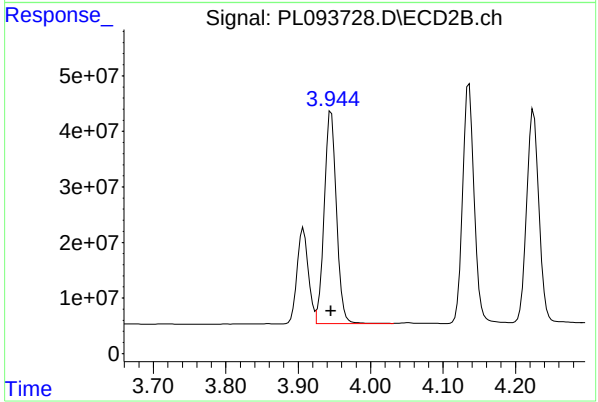
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 471337352
Conc: 96.21 ng/ml



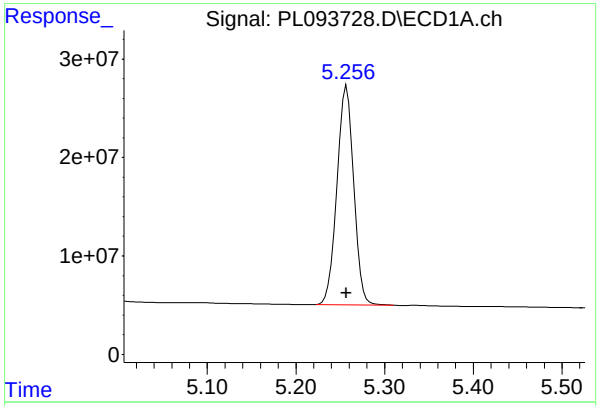
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 292250336
Conc: 93.55 ng/ml



#4 Heptachlor

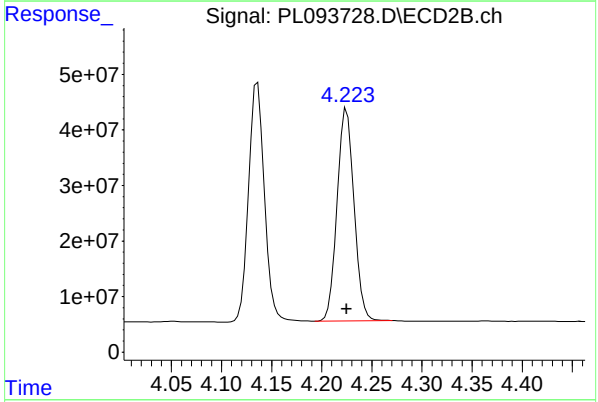
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

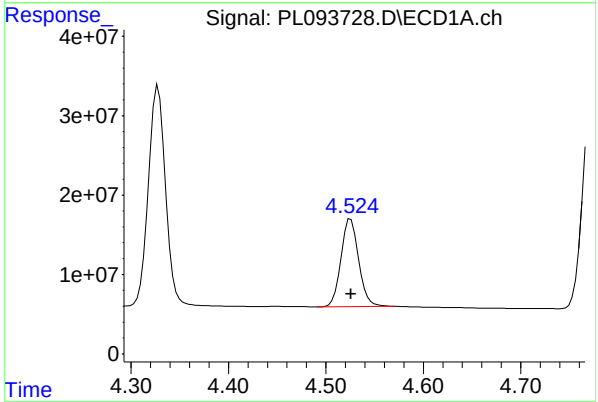
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



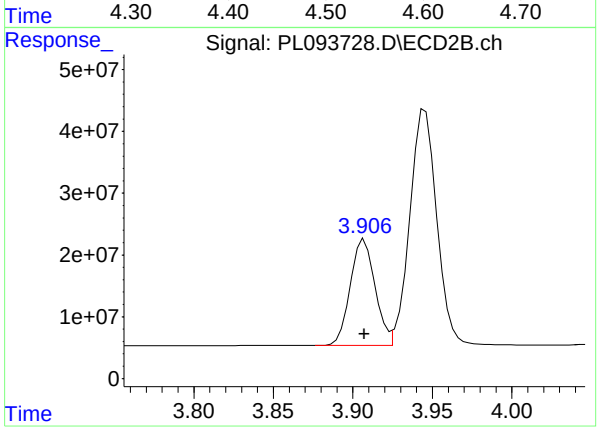
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 448299060
Conc: 96.00 ng/ml



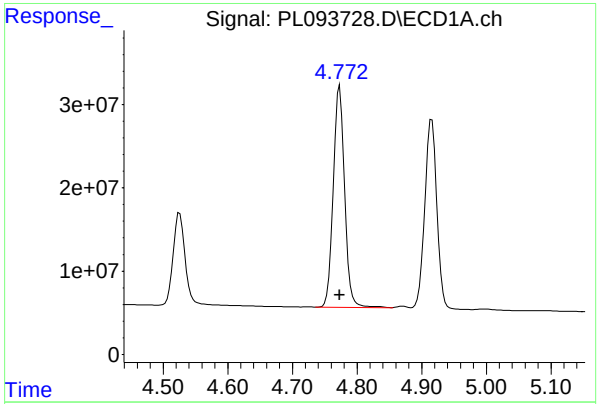
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 139346436
Conc: 92.54 ng/ml



#6 beta-BHC

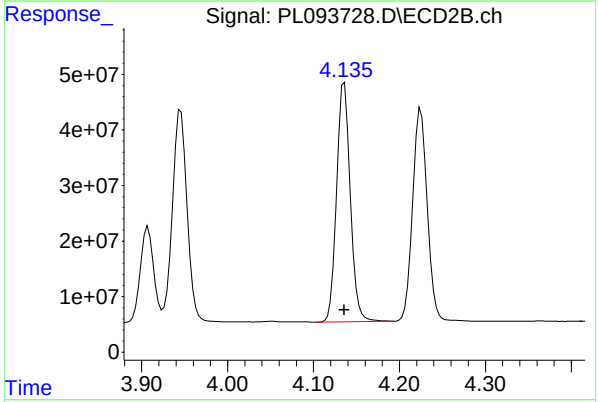
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

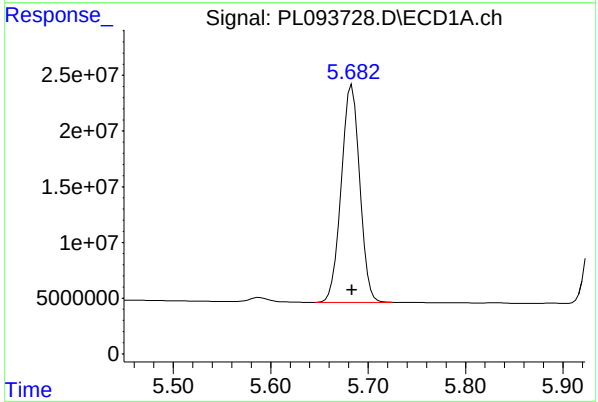
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



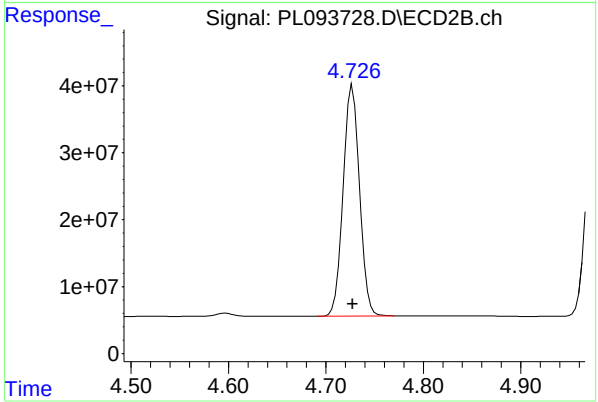
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 474122692
Conc: 96.37 ng/ml



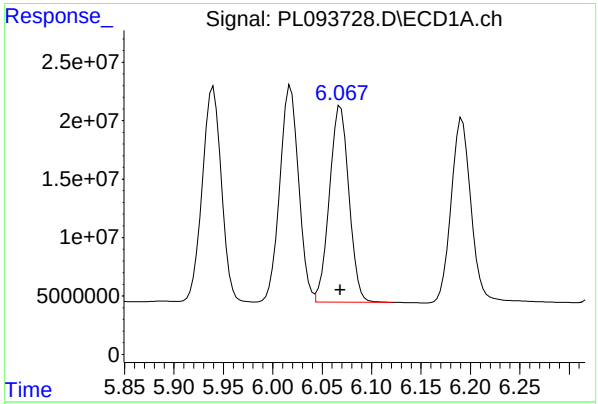
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 256867626
Conc: 93.03 ng/ml



#8 Heptachlor epoxide

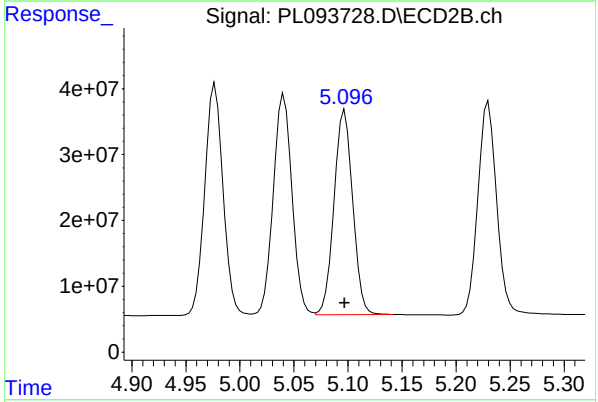
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

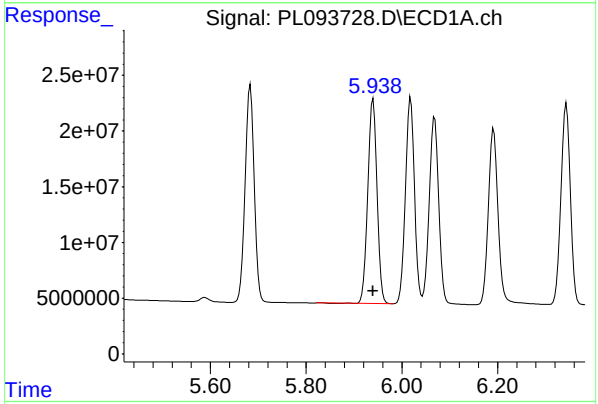
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



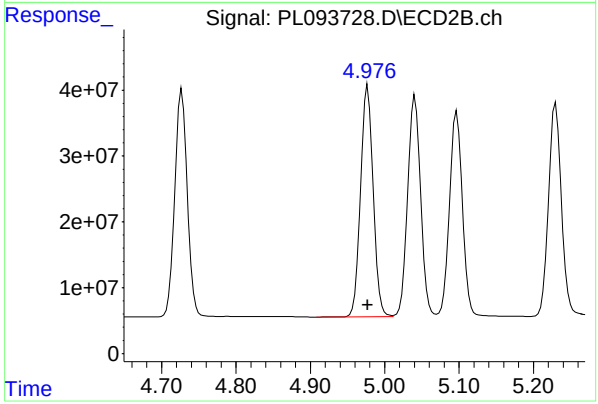
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 373410327
Conc: 95.34 ng/ml



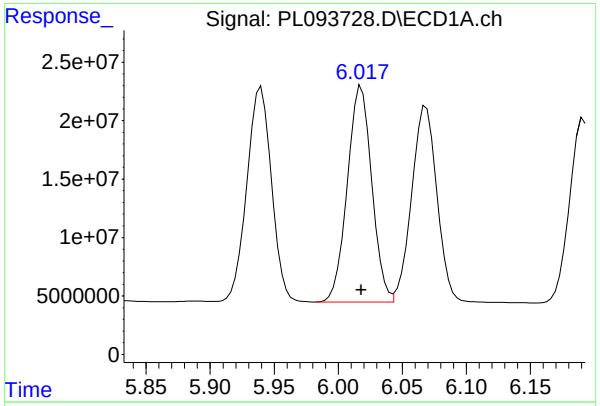
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 245583159
Conc: 93.17 ng/ml



#10 gamma-Chlordane

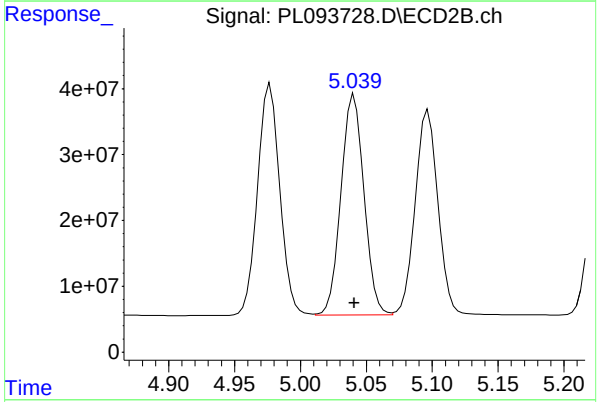
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

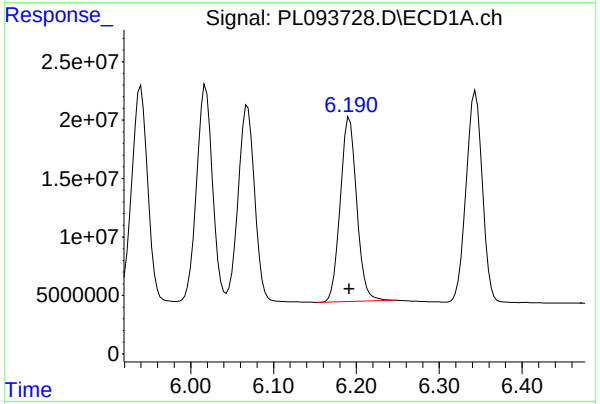
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



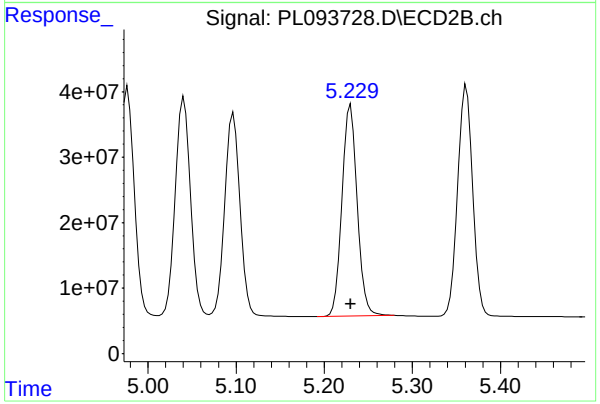
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 405697093
Conc: 95.67 ng/ml



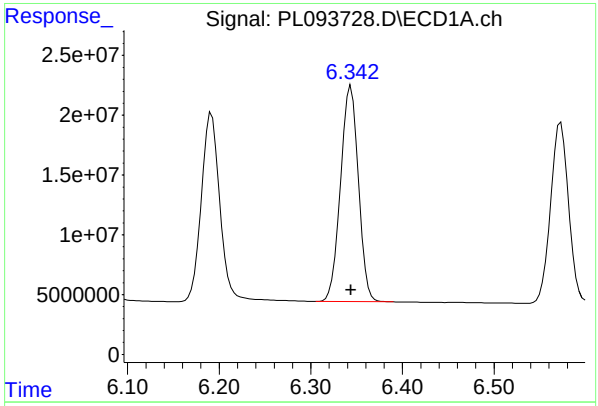
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 217987126
Conc: 93.38 ng/ml



#12 4,4'-DDE

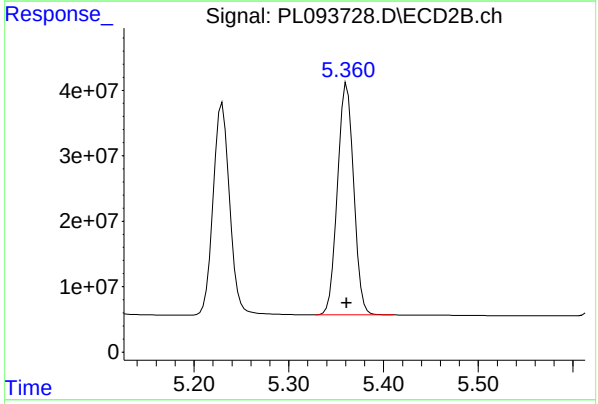
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

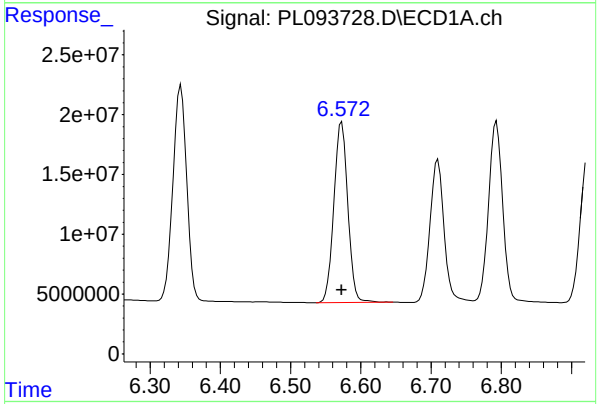
R.T.: 6.344 min
Delta R.T.: 0.000 mi
Response: 245657863
Conc: 93.68 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



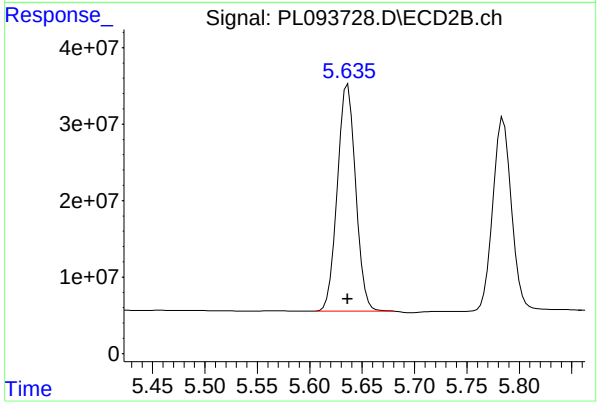
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 418929941
Conc: 95.83 ng/ml



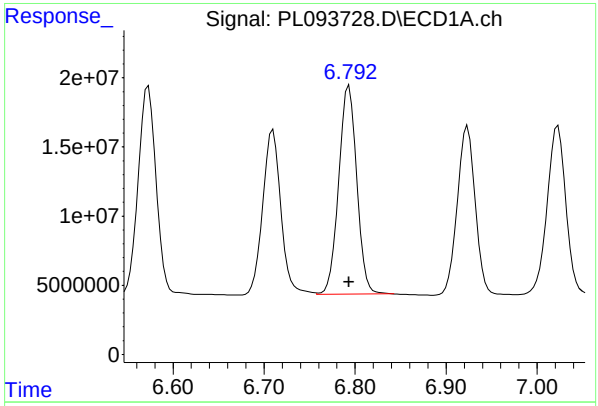
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 207942946
Conc: 93.61 ng/ml



#14 Endrin

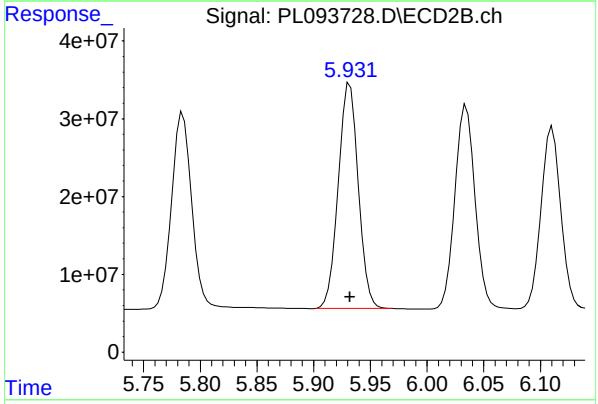
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

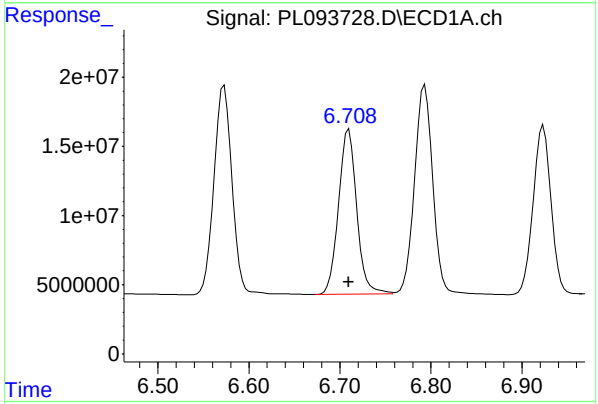
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



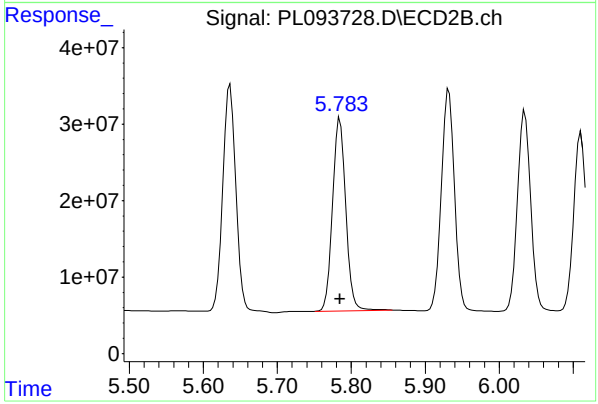
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 355326342
Conc: 95.18 ng/ml



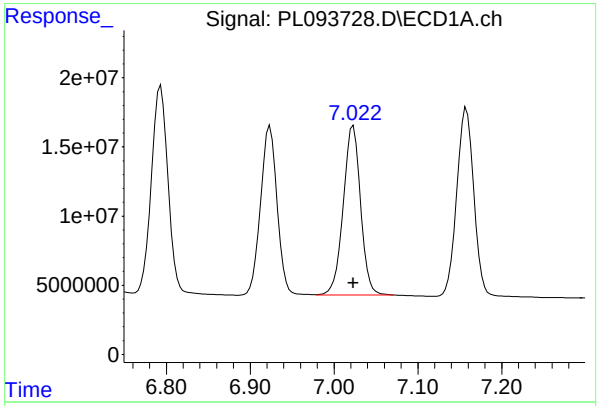
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 166092692
Conc: 92.44 ng/ml



#16 4,4'-DDD

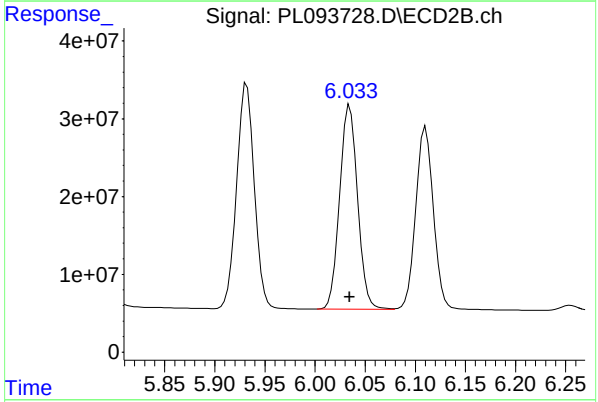
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

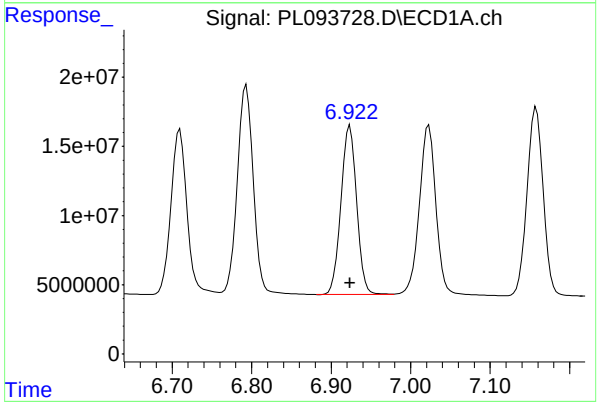
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



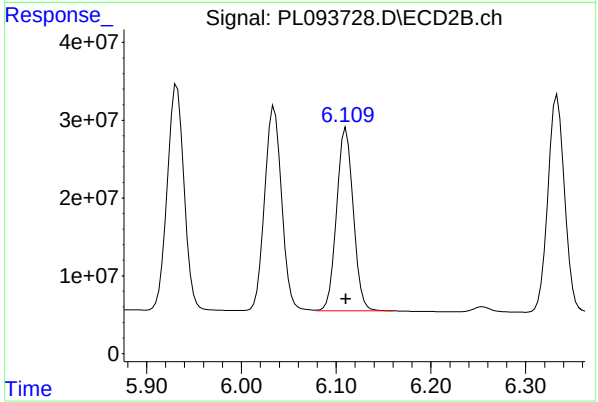
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 327000877
Conc: 96.00 ng/ml



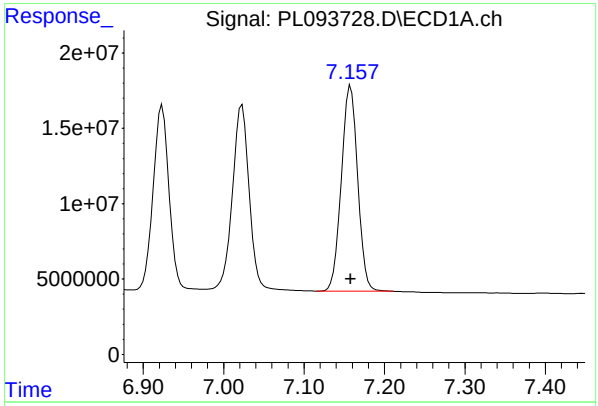
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 167311887
Conc: 92.13 ng/ml



#18 Endrin aldehyde

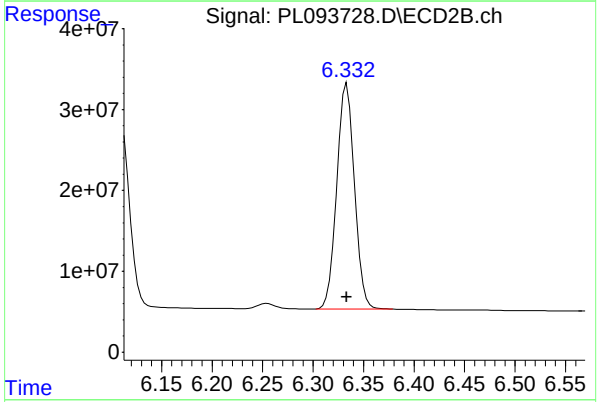
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

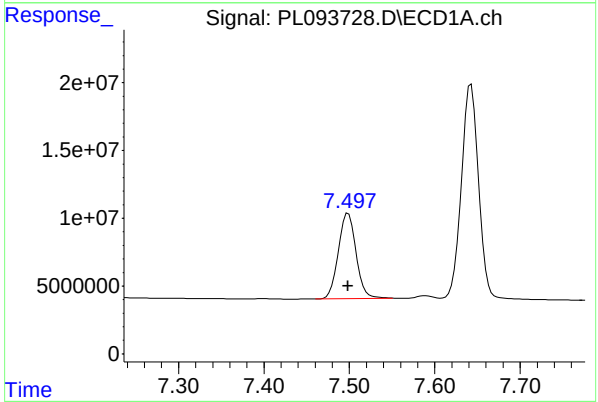
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



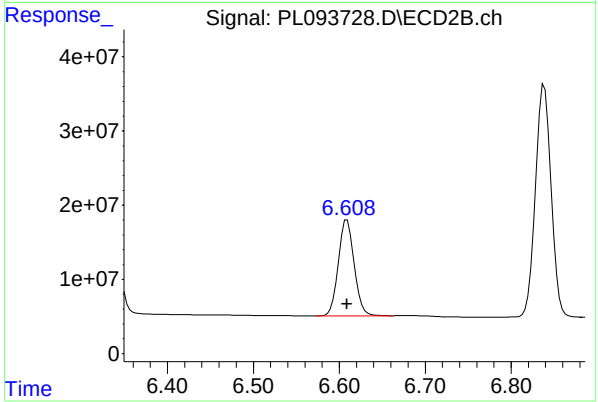
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 340862985
Conc: 95.14 ng/ml



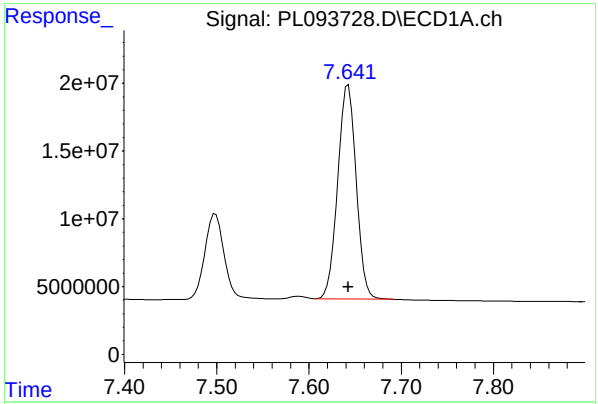
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 90728367
Conc: 91.29 ng/ml



#20 Methoxychlor

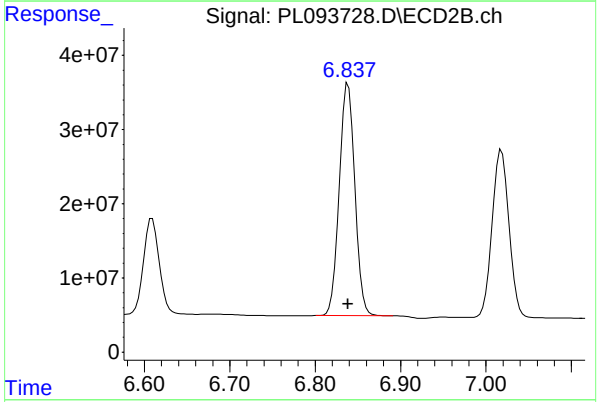
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

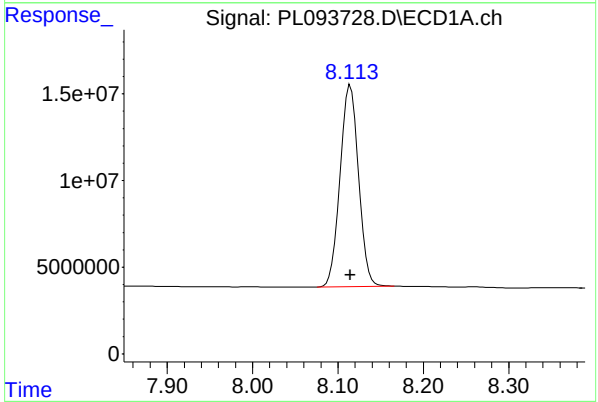
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



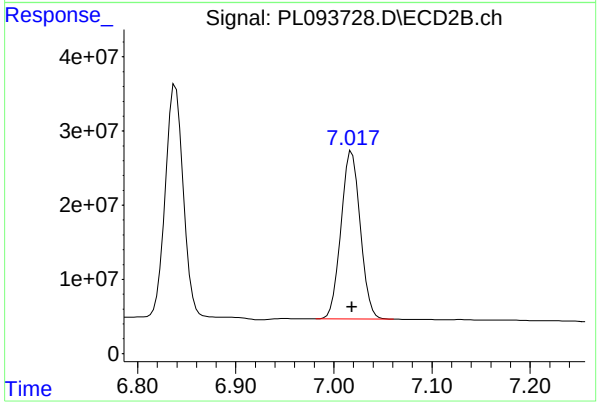
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 396512430
Conc: 94.80 ng/ml



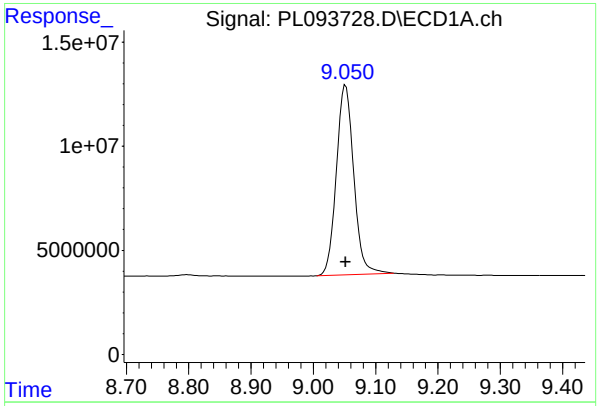
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 175302981
Conc: 91.82 ng/ml



#22 Mirex

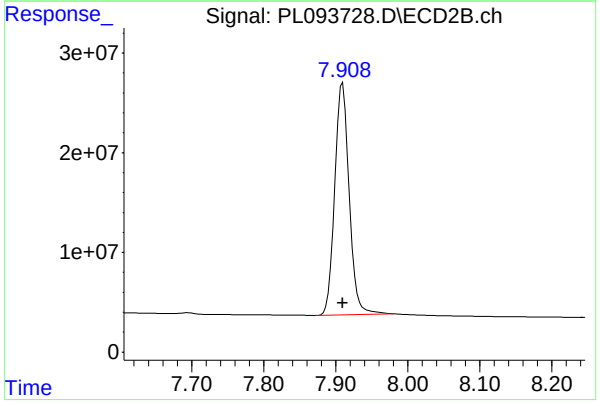
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 309908166
Conc: 94.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 176847808
Conc: 91.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 322668553
Conc: 94.16 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
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: Jan 21 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.539	2.774	180.2E6	229.4E6	71.698	71.707
28)	SA	Decachlor...	9.053	7.910	136.2E6	239.5E6	71.914	71.521
		Target Compounds						
2)	A	alpha-BHC	3.995	3.277	261.8E6	357.6E6	71.744	71.750
3)	MA	gamma-BHC...	4.327	3.607	250.5E6	344.8E6	71.676	71.853
4)	MA	Heptachlor	4.915	3.945	217.6E6	331.0E6	71.357	71.736
5)	MB	Aldrin	5.256	4.225	217.3E6	327.8E6	71.516	71.729
6)	B	beta-BHC	4.525	3.907	104.6E6	138.2E6	71.206	71.753
7)	B	delta-BHC	4.772	4.136	239.6E6	345.6E6	71.632	71.760
8)	B	Heptachlo...	5.683	4.727	193.2E6	296.0E6	71.570	71.629
9)	A	Endosulfan I	6.068	5.097	172.4E6	274.6E6	71.433	71.672
10)	B	gamma-Chl...	5.938	4.977	185.4E6	301.3E6	71.825	71.519
11)	B	alpha-Chl...	6.017	5.041	184.4E6	297.2E6	71.795	71.644
12)	B	4,4'-DDE	6.191	5.230	162.7E6	285.6E6	71.391	71.673
13)	MA	Dieldrin	6.343	5.361	183.1E6	305.8E6	71.456	71.552
14)	MA	Endrin	6.573	5.637	154.6E6	261.1E6	71.302	71.468
15)	B	Endosulfa...	6.793	5.931	157.5E6	261.6E6	71.626	71.638
16)	A	4,4'-DDD	6.709	5.784	126.0E6	229.1E6	71.668	71.836
17)	MA	4,4'-DDT	7.022	6.034	132.5E6	238.3E6	71.766	71.567
18)	B	Endrin al...	6.923	6.110	127.2E6	211.5E6	71.622	71.578
19)	B	Endosulfa...	7.157	6.333	145.9E6	251.5E6	71.548	71.726
20)	A	Methoxychlor	7.498	6.609	69158182	122.6E6	71.303	71.307
21)	B	Endrin ke...	7.642	6.838	165.4E6	291.1E6	71.484	71.317
22)		Mirex	8.115	7.018	133.6E6	229.7E6	71.590	71.522

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

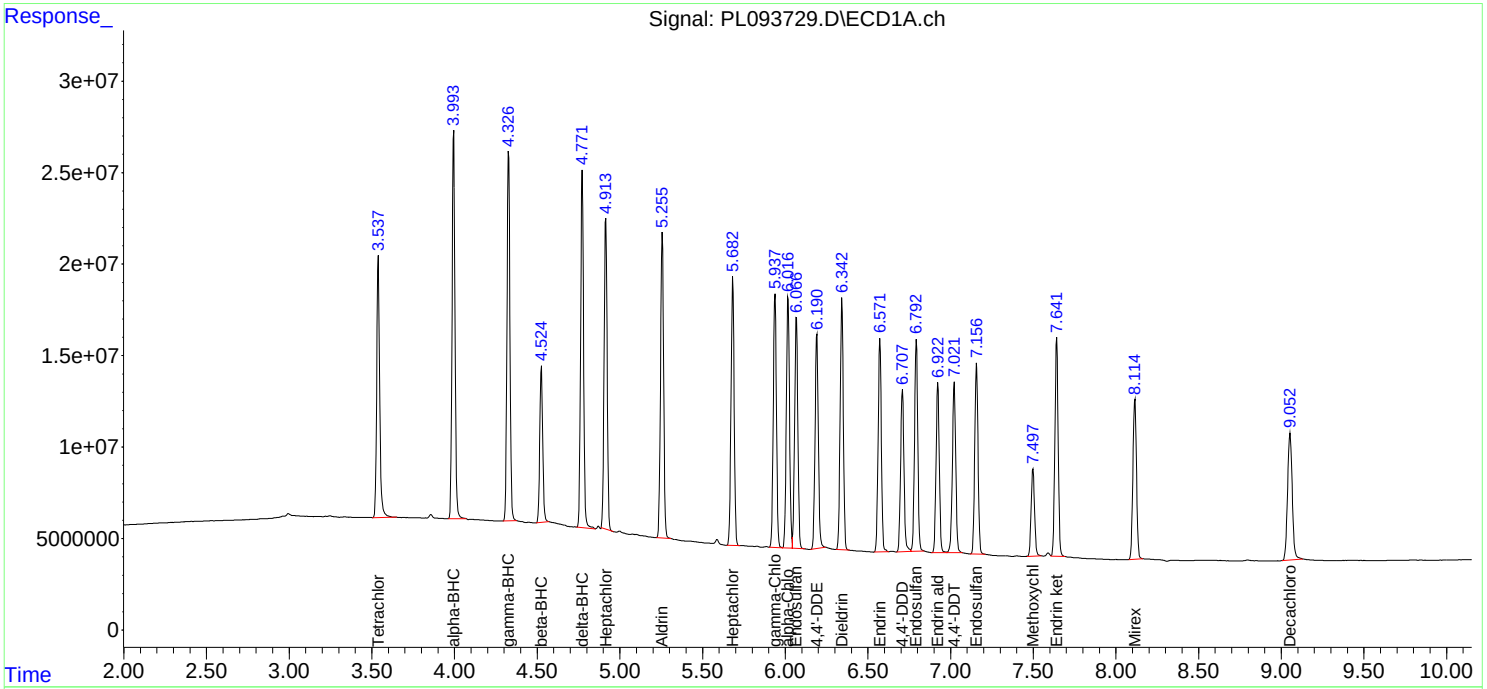
ICAL Form

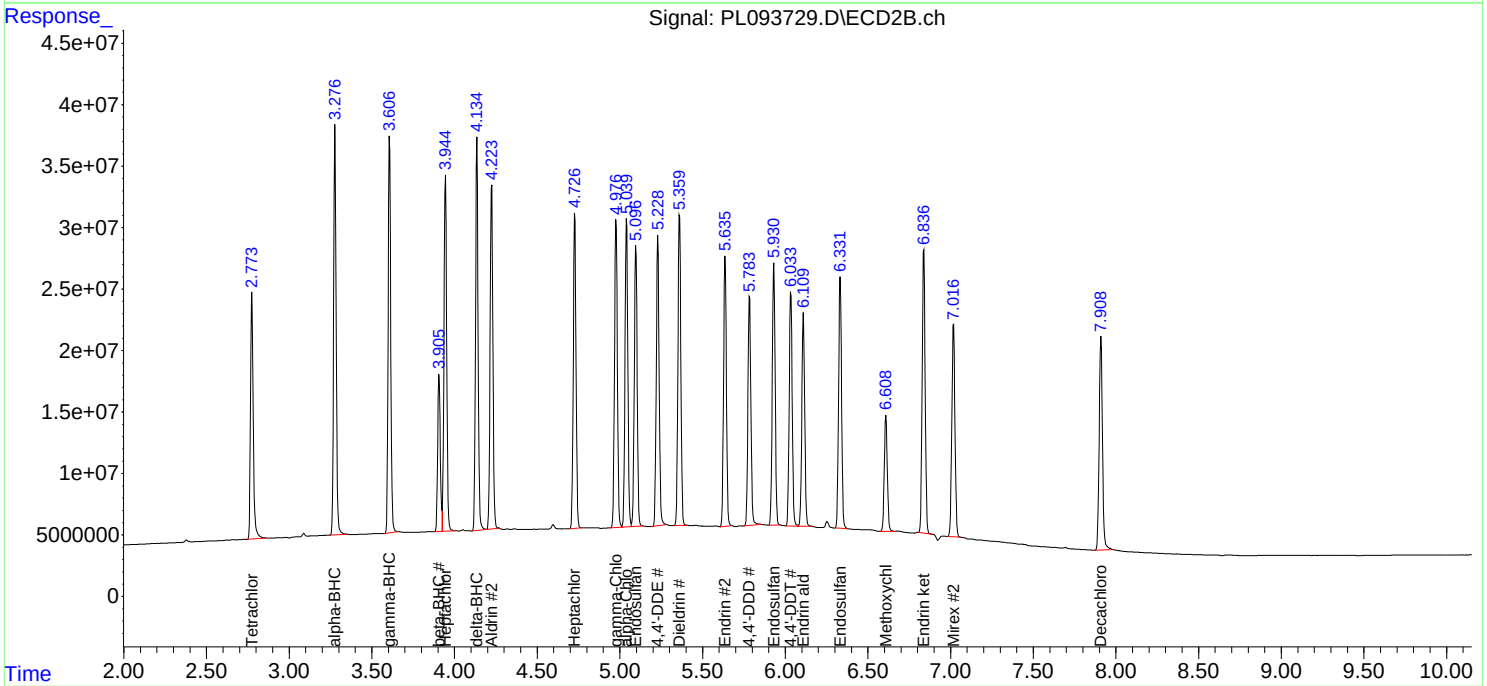
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

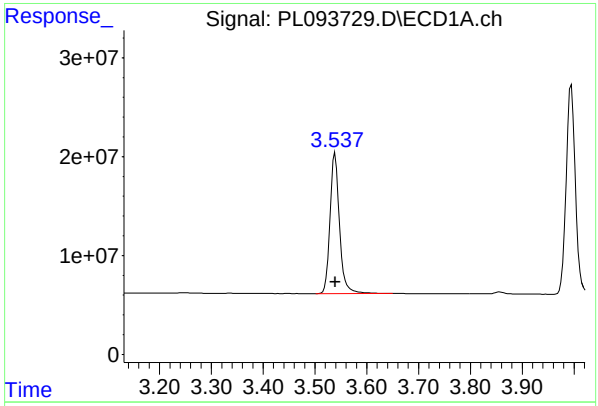
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



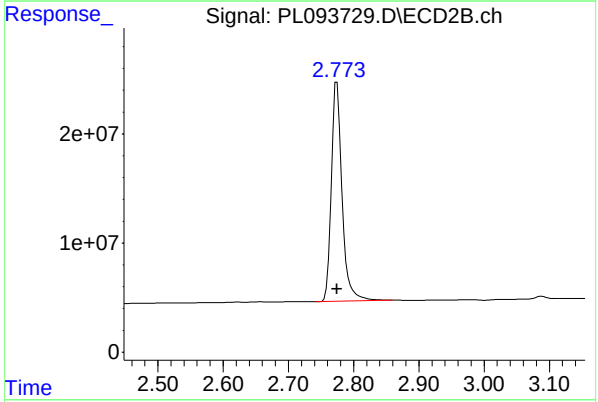




#1 Tetrachloro-m-xylene

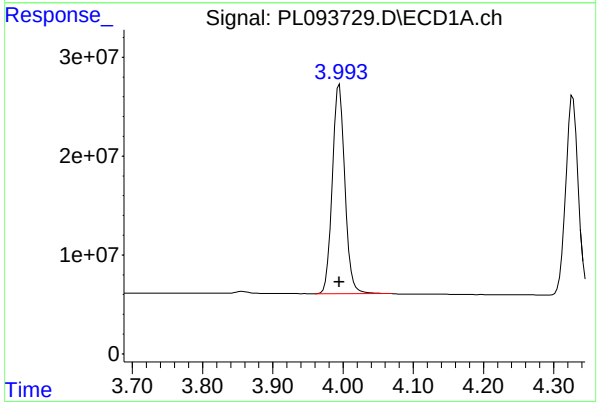
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



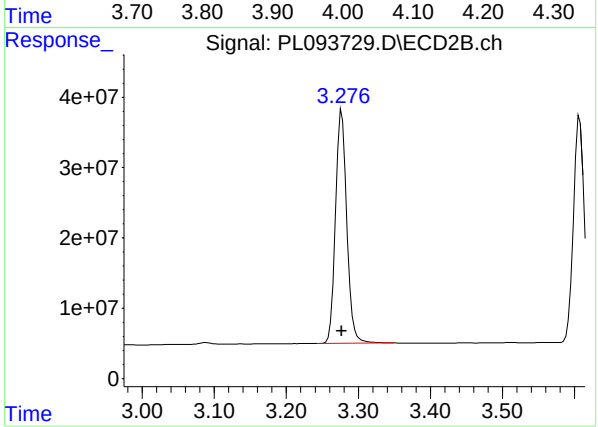
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 229390960
Conc: 71.71 ng/ml



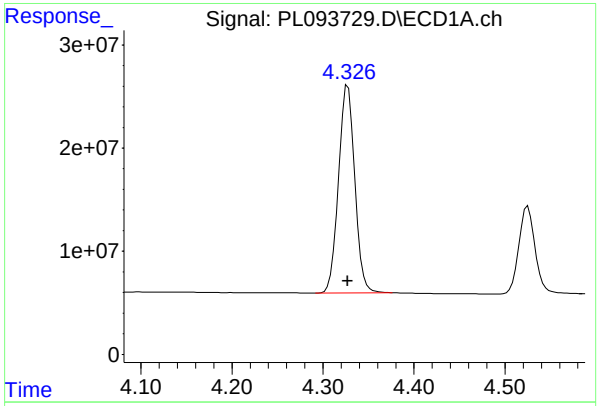
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 261771076
Conc: 71.74 ng/ml



#2 alpha-BHC

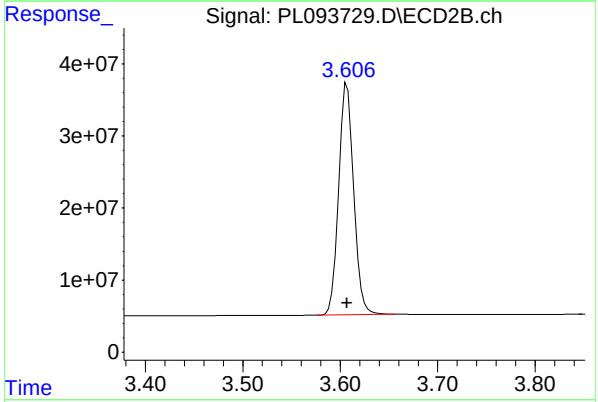
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

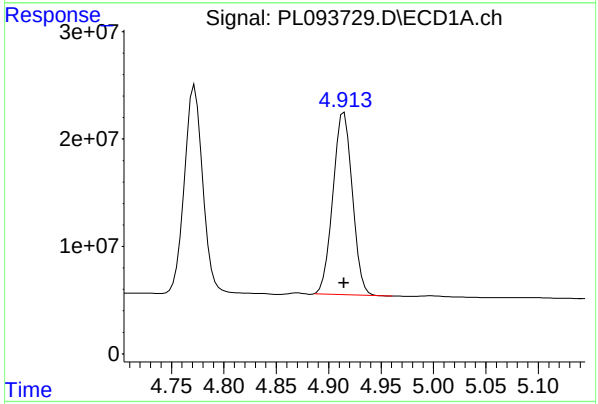
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



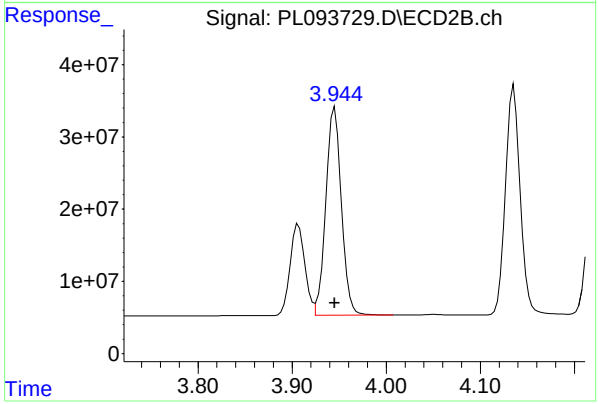
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 344775667
Conc: 71.85 ng/ml



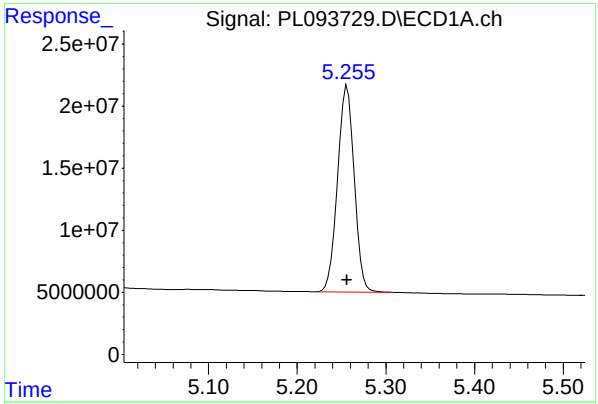
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 217626800
Conc: 71.36 ng/ml



#4 Heptachlor

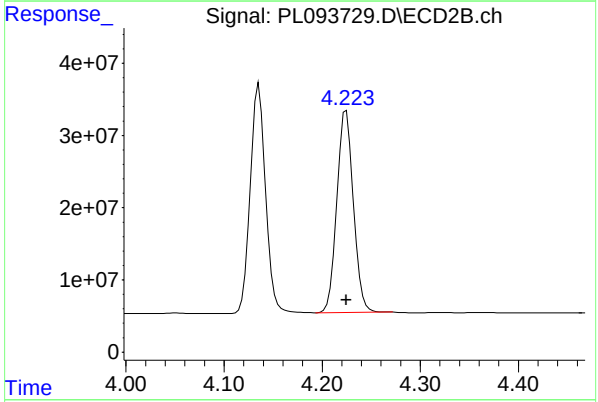
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

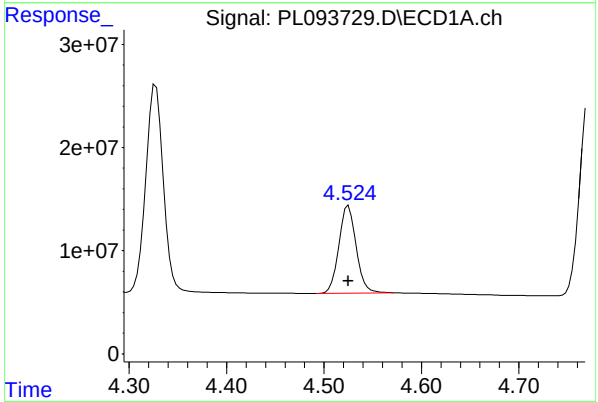
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



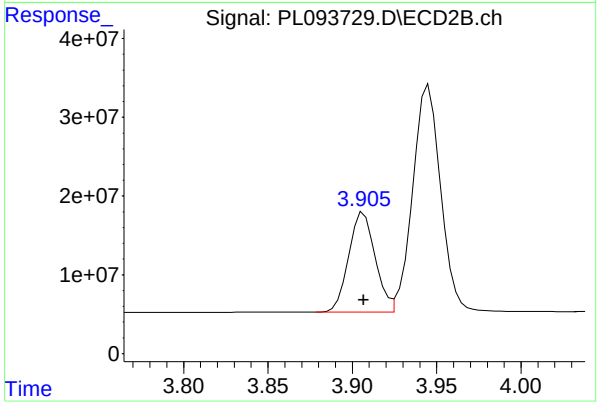
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 327810801
Conc: 71.73 ng/ml



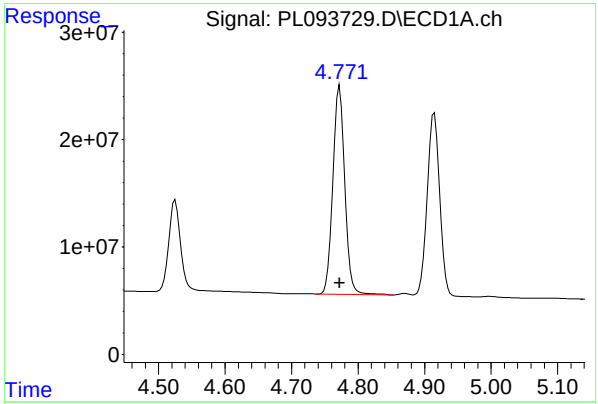
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 104583271
Conc: 71.21 ng/ml



#6 beta-BHC

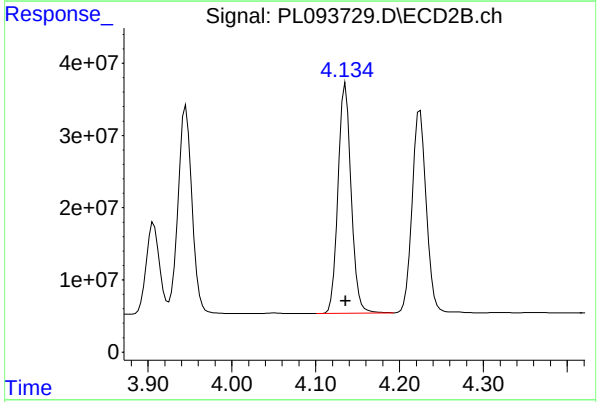
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

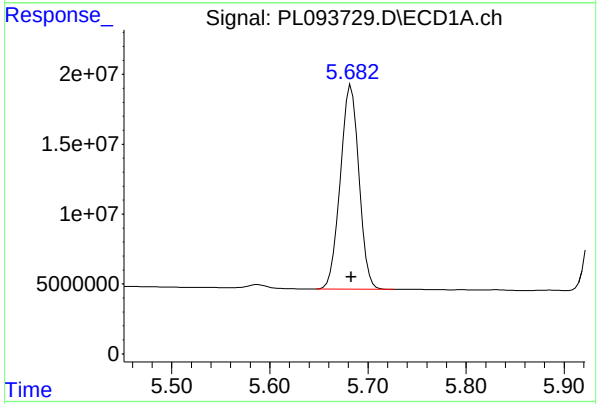
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



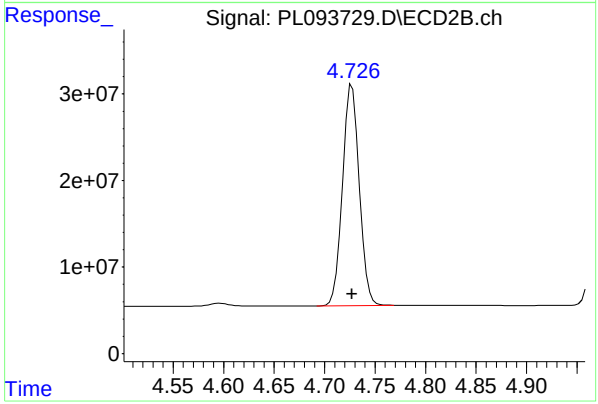
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 345593516
Conc: 71.76 ng/ml



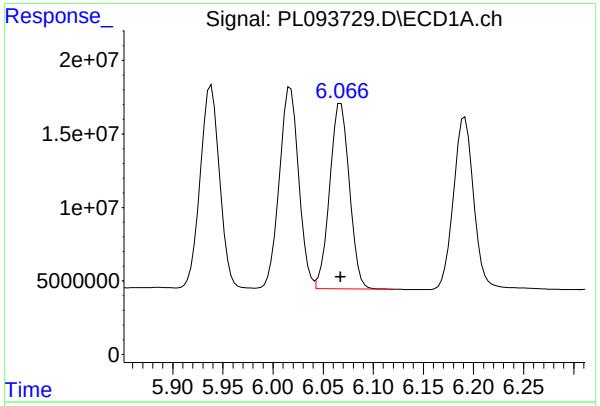
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 193196976
Conc: 71.57 ng/ml



#8 Heptachlor epoxide

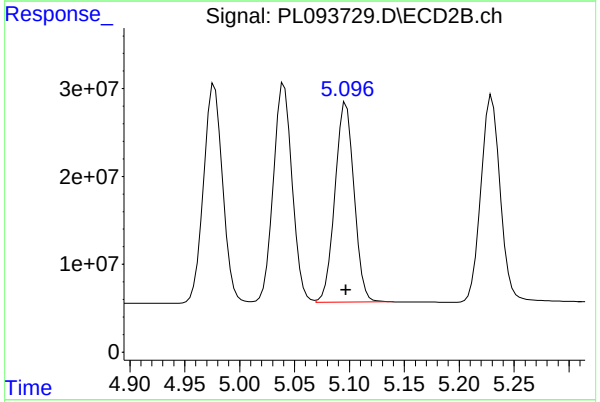
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

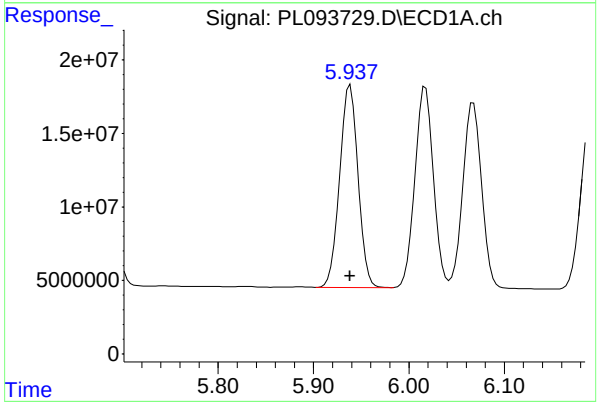
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



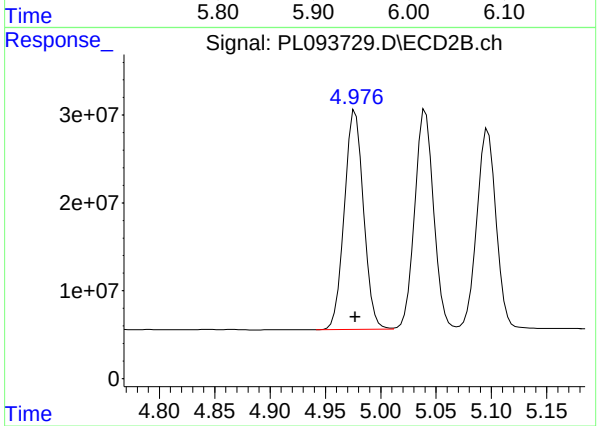
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 274618139
Conc: 71.67 ng/ml



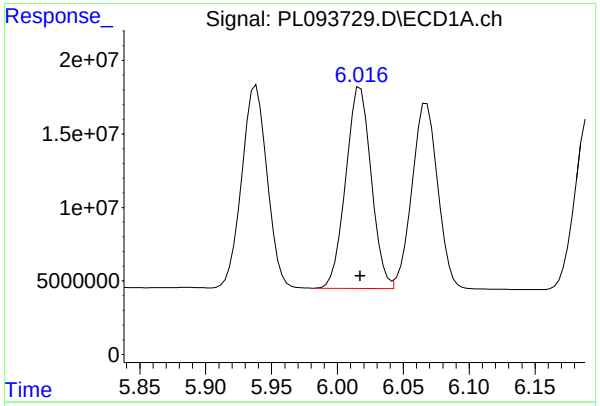
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 185387384
Conc: 71.83 ng/ml



#10 gamma-Chlordane

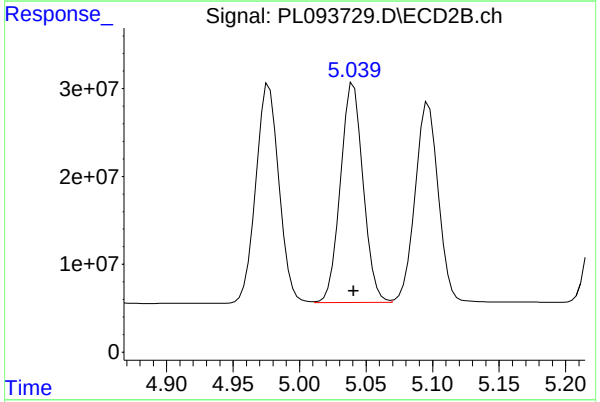
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

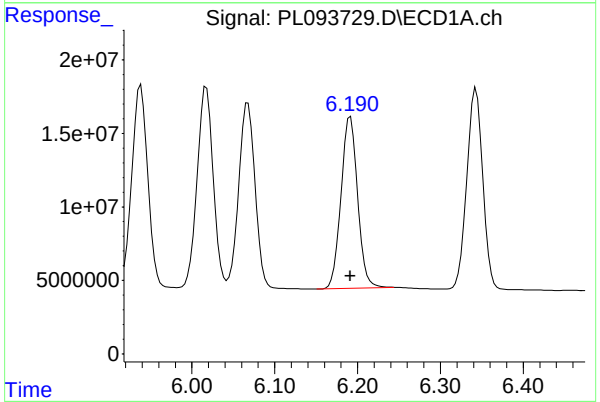
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



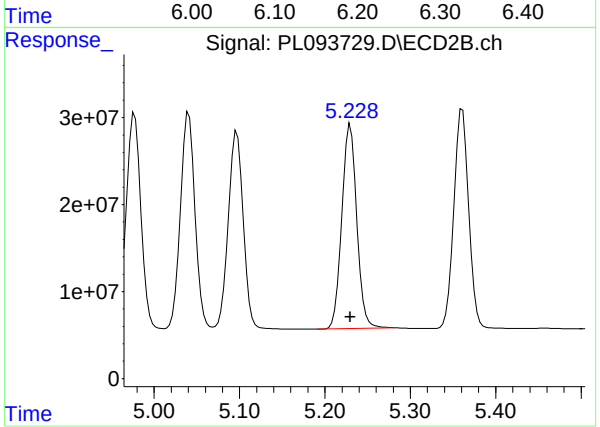
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 297157887
Conc: 71.64 ng/ml



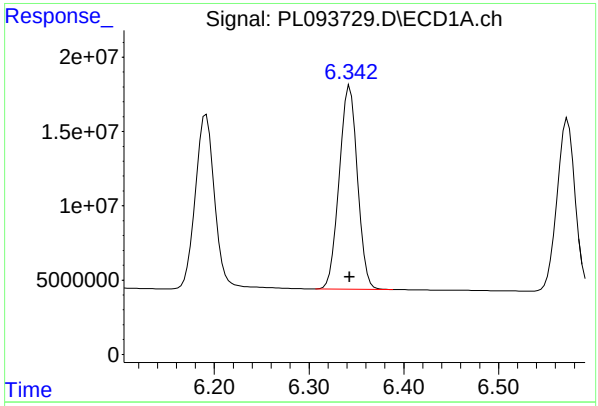
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 162744494
Conc: 71.39 ng/ml



#12 4,4'-DDE

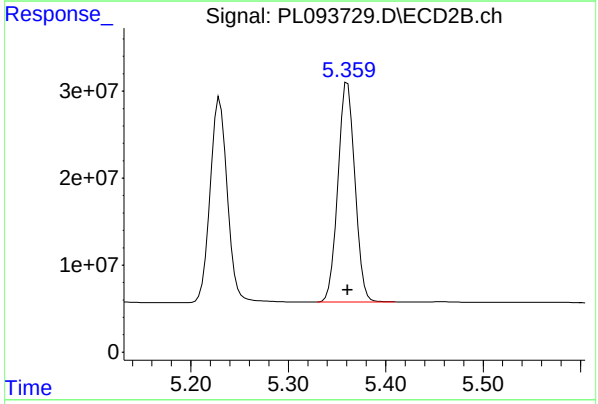
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

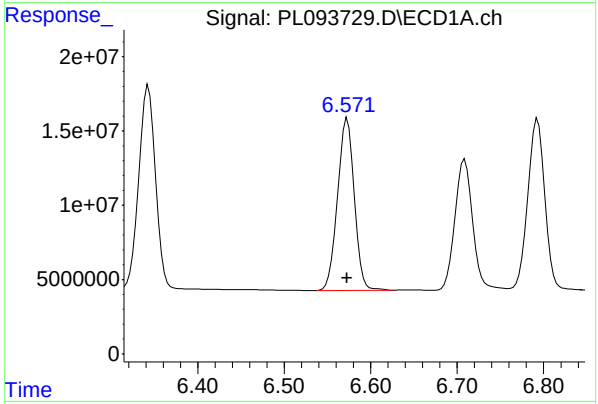
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



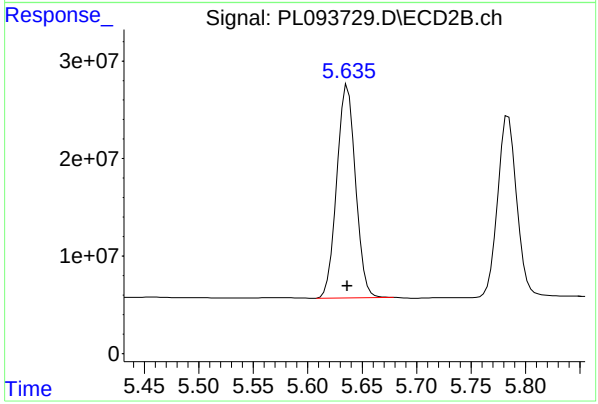
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 305757664
Conc: 71.55 ng/ml



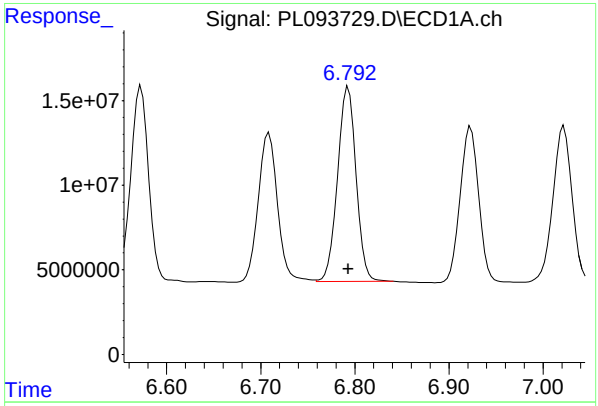
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 154574222
Conc: 71.30 ng/ml



#14 Endrin

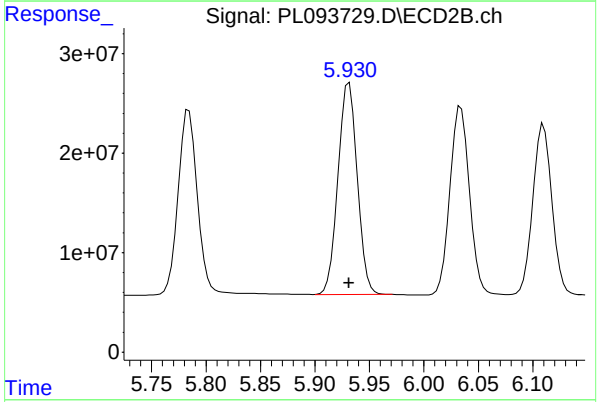
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

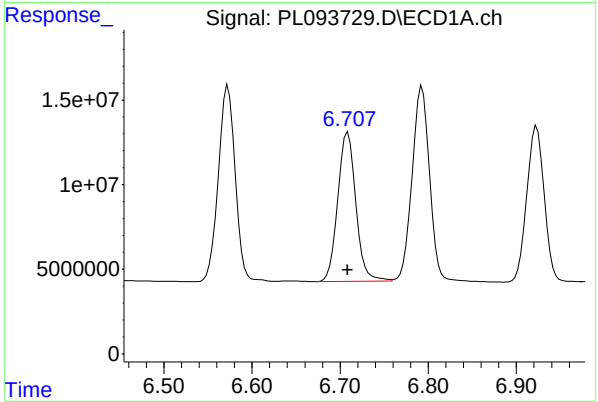
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



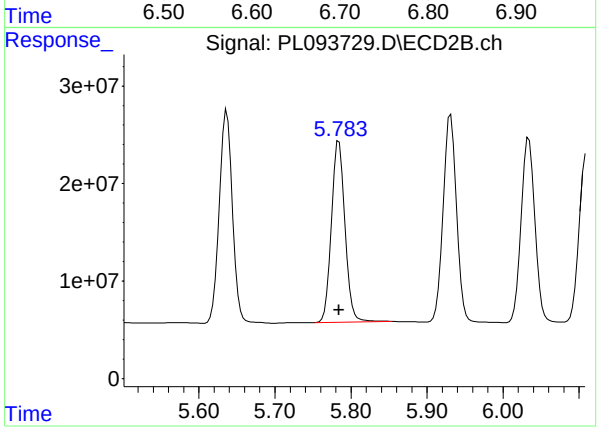
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 261572754
Conc: 71.64 ng/ml



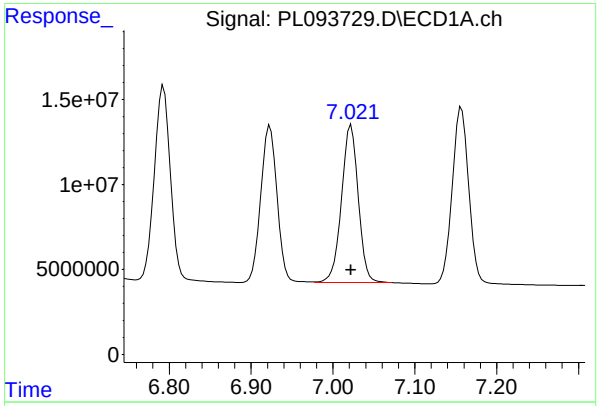
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 125973987
Conc: 71.67 ng/ml



#16 4,4'-DDD

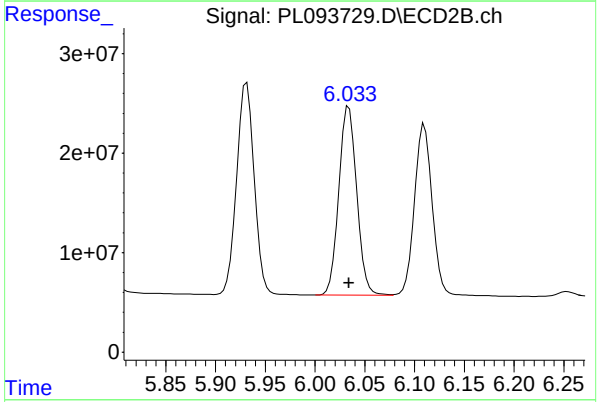
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

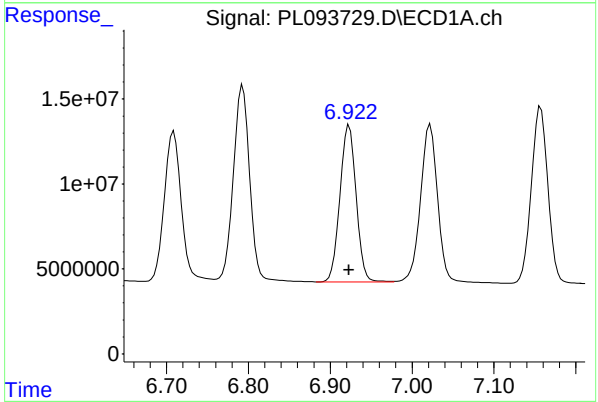
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



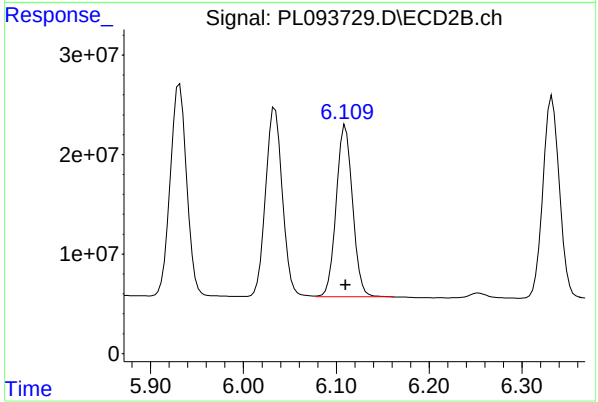
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 238334747
Conc: 71.57 ng/ml



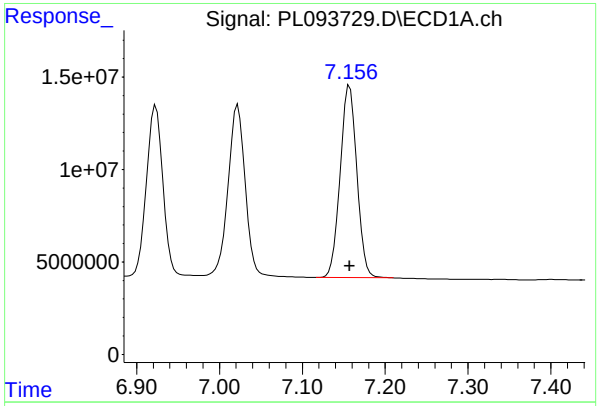
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 127202927
Conc: 71.62 ng/ml



#18 Endrin aldehyde

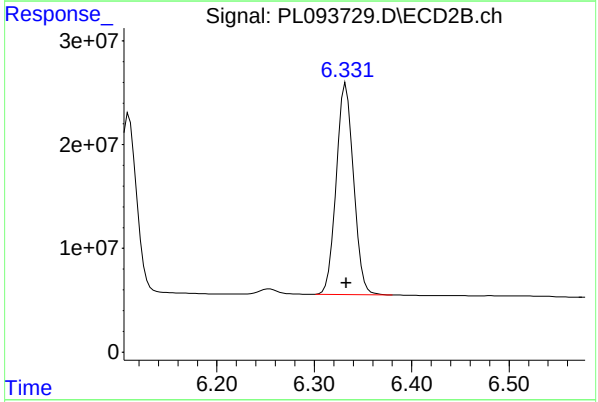
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

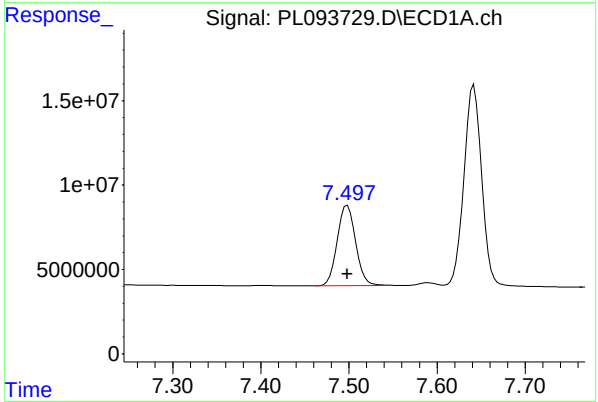
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



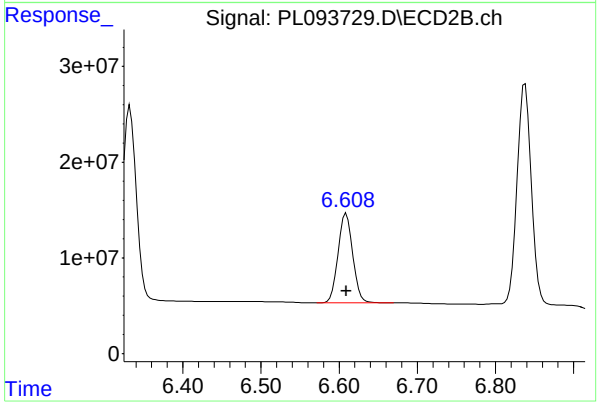
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 251492996
Conc: 71.73 ng/ml



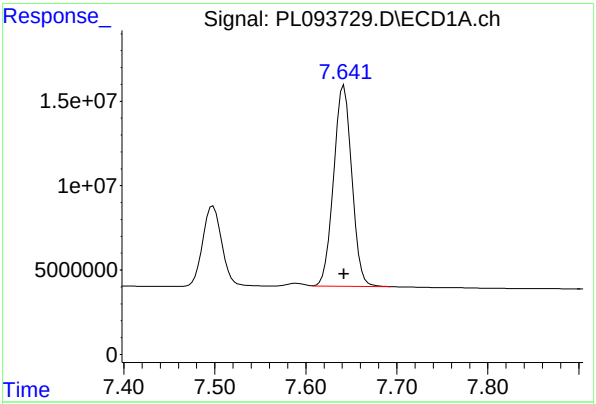
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 69158182
Conc: 71.30 ng/ml



#20 Methoxychlor

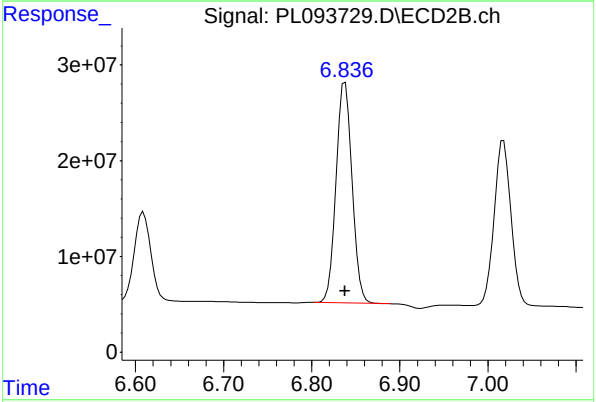
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

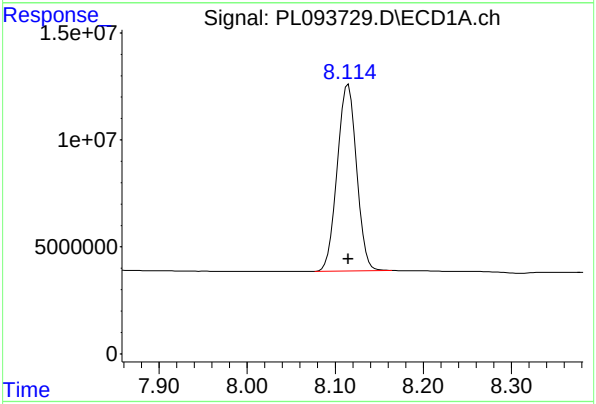
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



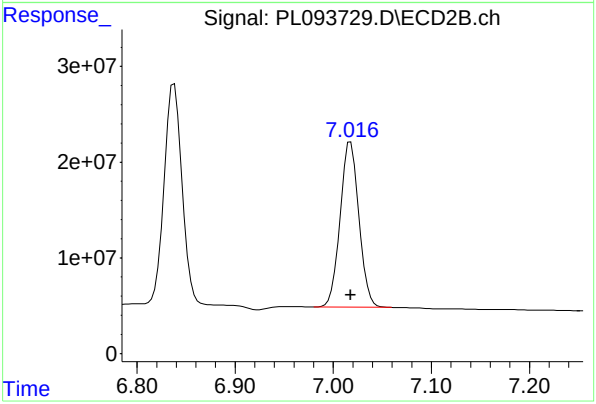
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 291141748
Conc: 71.32 ng/ml



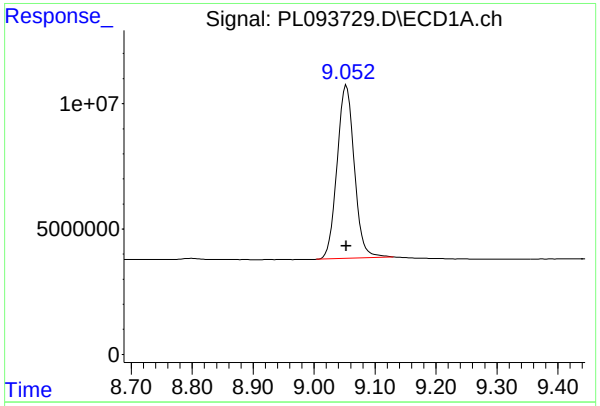
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 133645314
Conc: 71.59 ng/ml



#22 Mirex

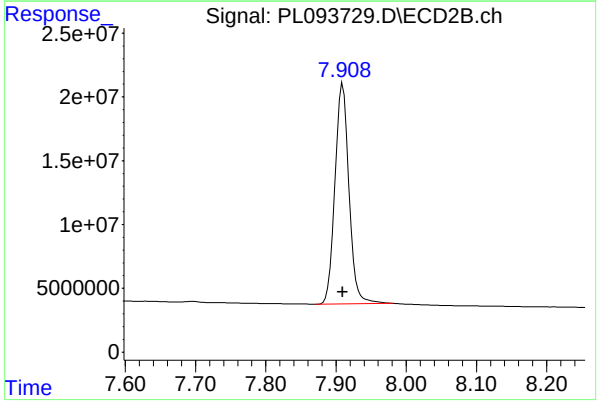
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 229698971
Conc: 71.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 136236362
Conc: 71.91 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 239534634
Conc: 71.52 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
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: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	137.0E6	171.9E6	50.000	50.000
28) SA	Decachlor...	9.053	7.910	104.9E6	181.4E6	50.000	50.000
	Target Compounds						
2) A	alpha-BHC	3.995	3.277	195.9E6	263.6E6	50.000	50.000
3) MA	gamma-BHC...	4.327	3.607	188.4E6	254.2E6	50.000	50.000
4) MA	Heptachlor	4.914	3.945	166.3E6	246.2E6	50.000	50.000
5) MB	Aldrin	5.256	4.225	164.6E6	242.8E6	50.000	50.000
6) B	beta-BHC	4.525	3.907	80914447	103.6E6	50.000	50.000
7) B	delta-BHC	4.772	4.136	180.3E6	254.9E6	50.000	50.000
8) B	Heptachlo...	5.682	4.727	147.7E6	221.2E6	50.000	50.000
9) A	Endosulfan I	6.067	5.096	131.9E6	205.0E6	50.000	50.000
10) B	gamma-Chl...	5.938	4.977	140.8E6	224.2E6	50.000	50.000
11) B	alpha-Chl...	6.017	5.040	139.4E6	221.2E6	50.000	50.000
12) B	4,4'-DDE	6.191	5.230	124.5E6	212.7E6	50.000	50.000
13) MA	Dieldrin	6.343	5.361	139.4E6	227.7E6	50.000	50.000
14) MA	Endrin	6.572	5.636	118.2E6	193.5E6	50.000	50.000
15) B	Endosulfa...	6.792	5.931	120.7E6	195.6E6	50.000	50.000
16) A	4,4'-DDD	6.708	5.784	96633741	169.0E6	50.000	50.000
17) MA	4,4'-DDT	7.022	6.034	100.8E6	177.1E6	50.000	50.000
18) B	Endrin al...	6.923	6.110	97948460	159.2E6	50.000	50.000
19) B	Endosulfa...	7.157	6.333	112.4E6	187.9E6	50.000	50.000
20) A	Methoxychlor	7.498	6.609	54018493	93520516	50.000	50.000
21) B	Endrin ke...	7.642	6.839	127.0E6	220.0E6	50.000	50.000
22)	Mirex	8.115	7.018	103.3E6	173.7E6	50.000	50.000

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

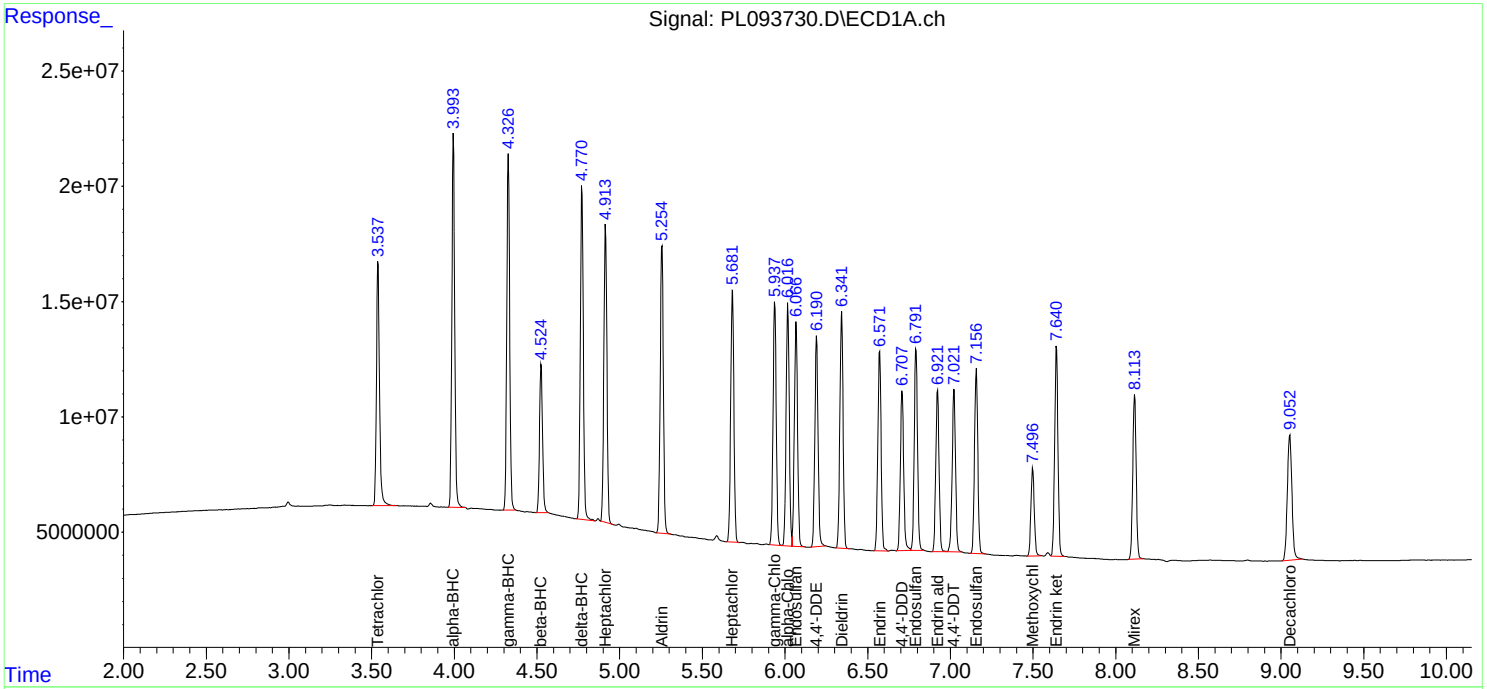
ICAL Form

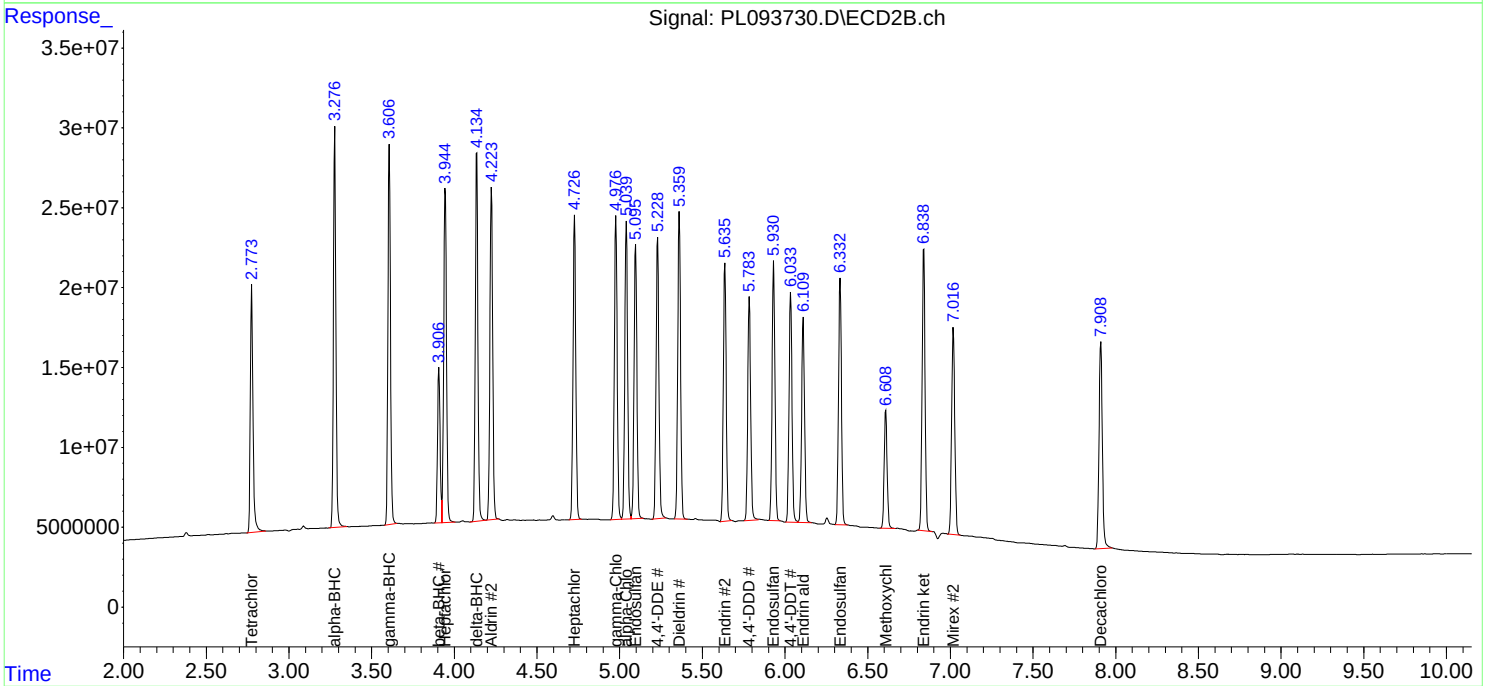
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

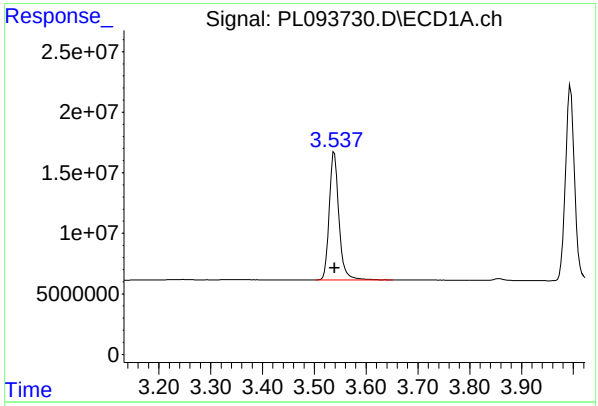
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



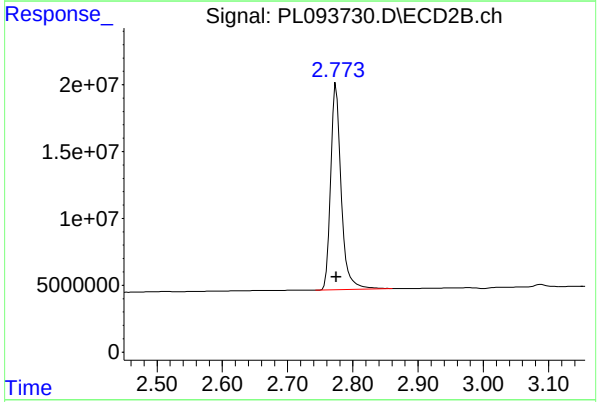




#1 Tetrachloro-m-xylene

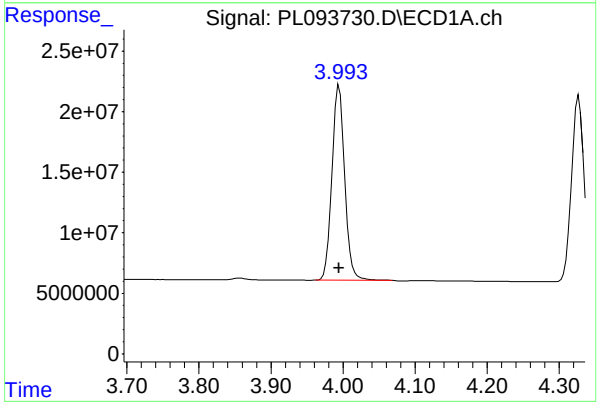
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



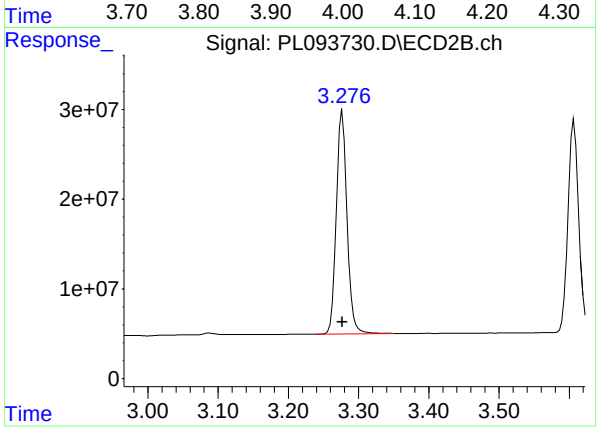
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 171861595
Conc: 50.00 ng/ml



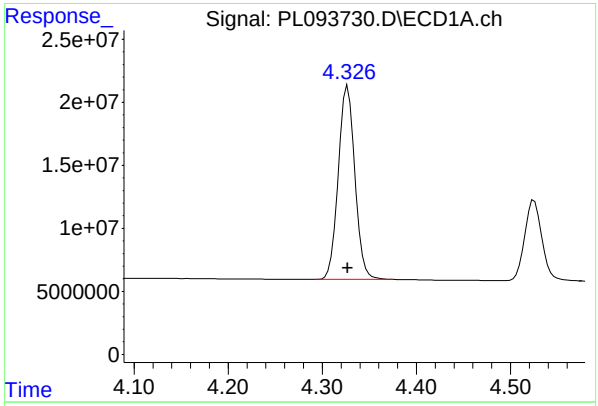
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 195905536
Conc: 50.00 ng/ml



#2 alpha-BHC

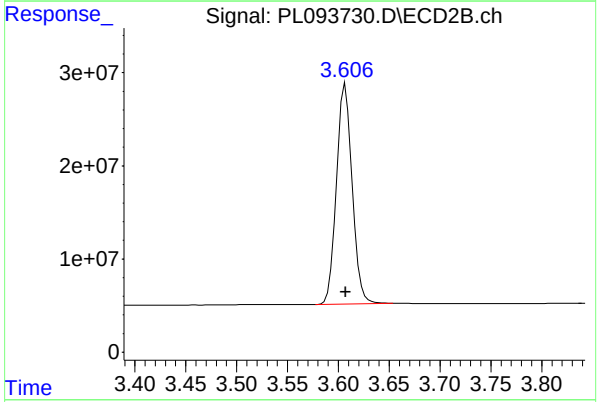
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

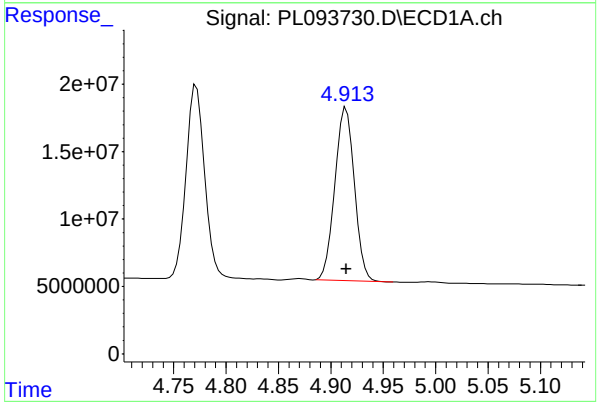
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



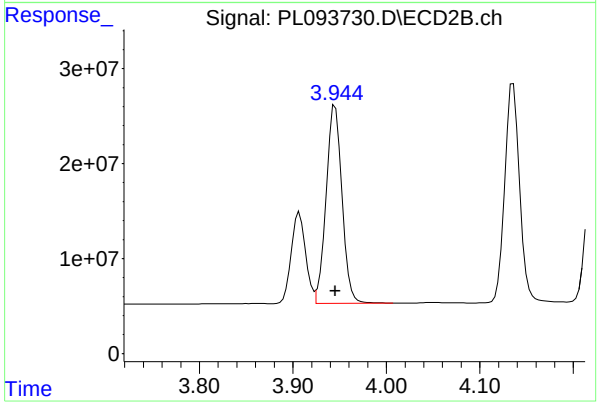
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 254230505
Conc: 50.00 ng/ml



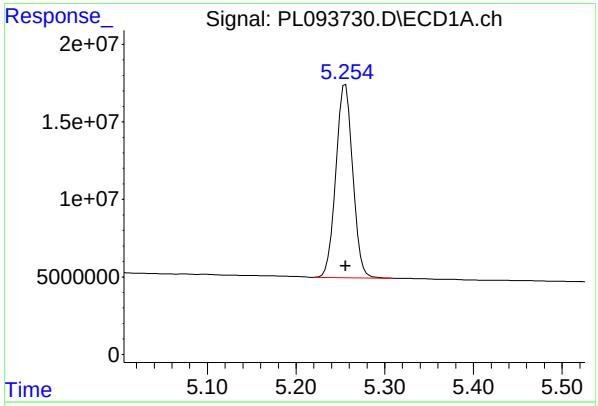
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 166264355
Conc: 50.00 ng/ml



#4 Heptachlor

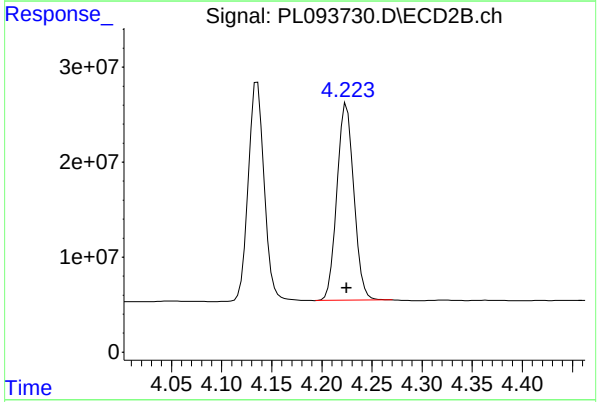
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

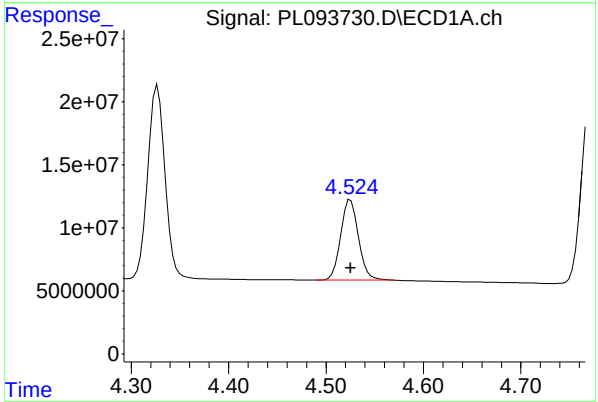
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



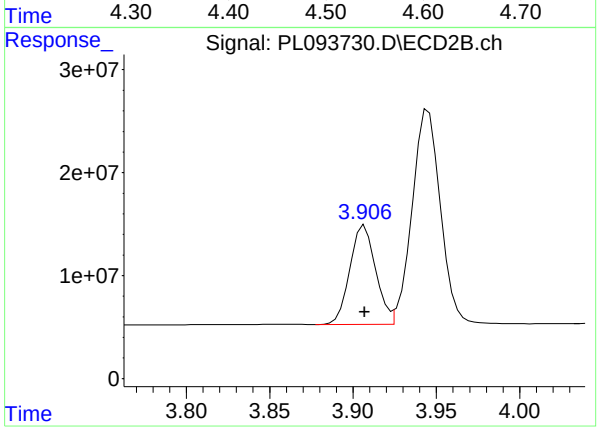
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 242826175
Conc: 50.00 ng/ml



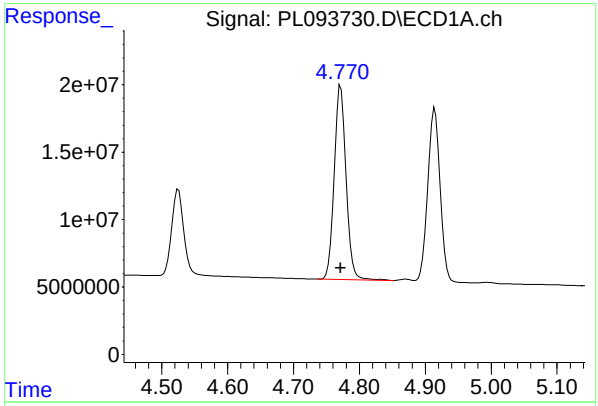
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 80914447
Conc: 50.00 ng/ml



#6 beta-BHC

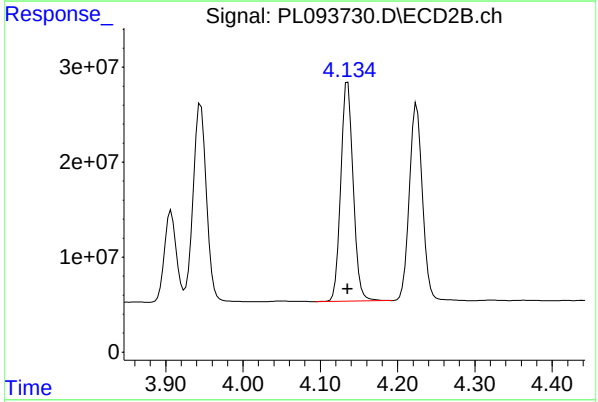
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

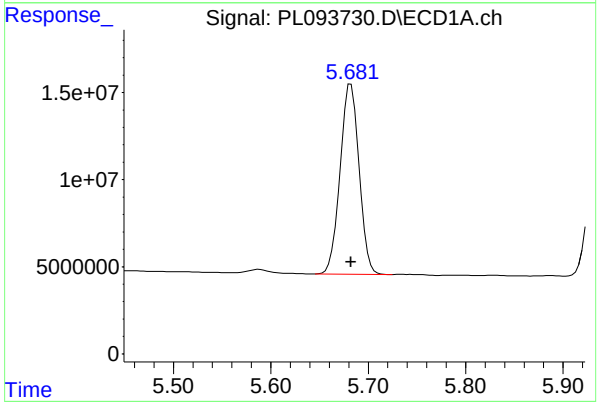
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



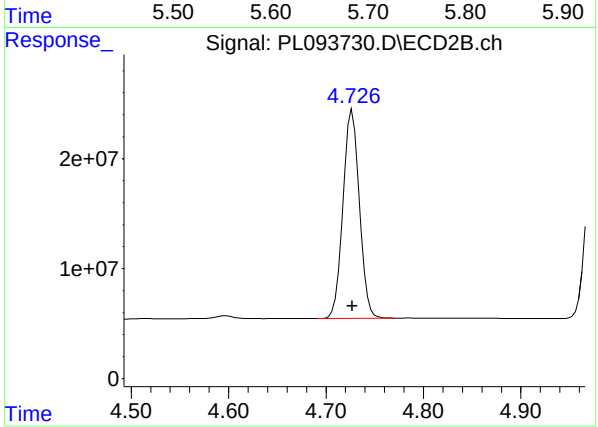
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 254940473
Conc: 50.00 ng/ml



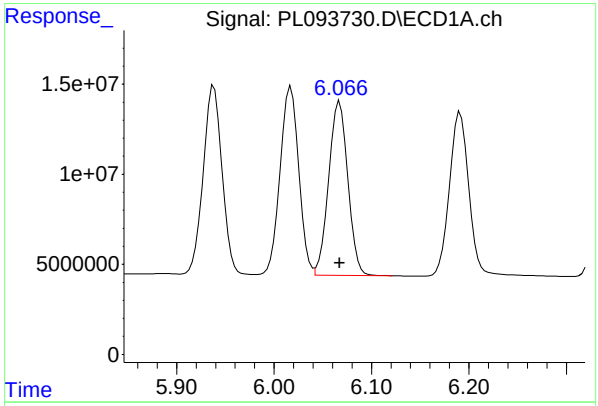
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 147681633
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

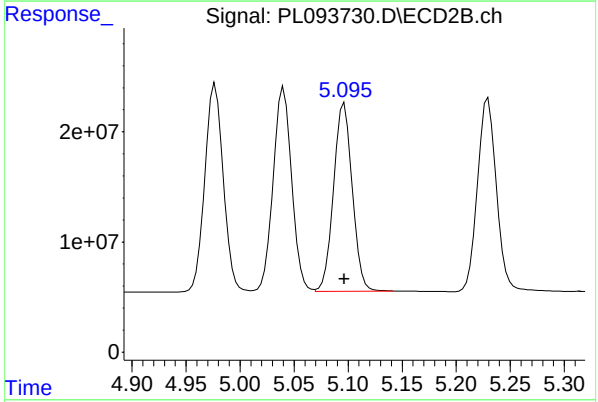
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

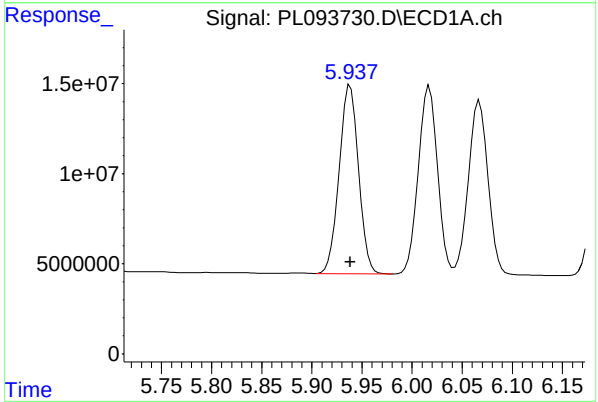
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



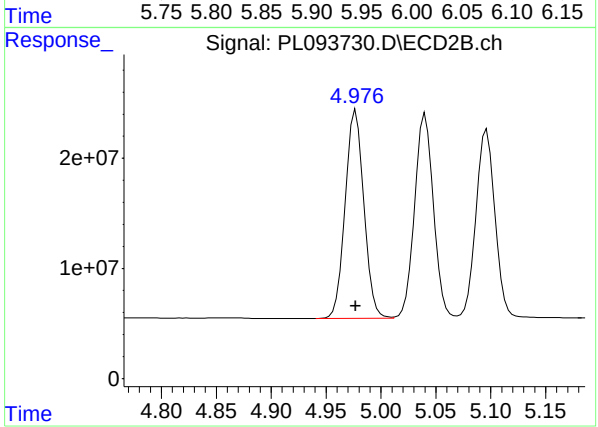
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 204951644
Conc: 50.00 ng/ml



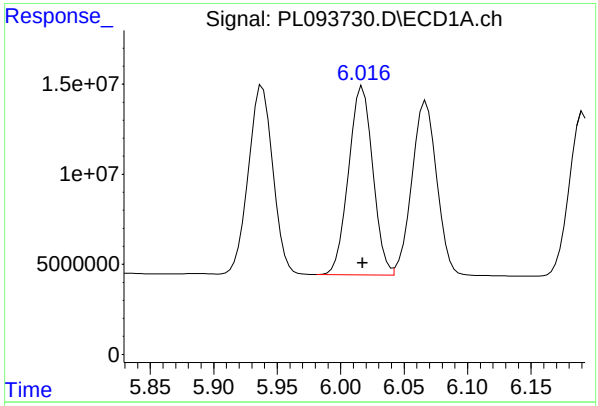
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 140781558
Conc: 50.00 ng/ml



#10 gamma-Chlordane

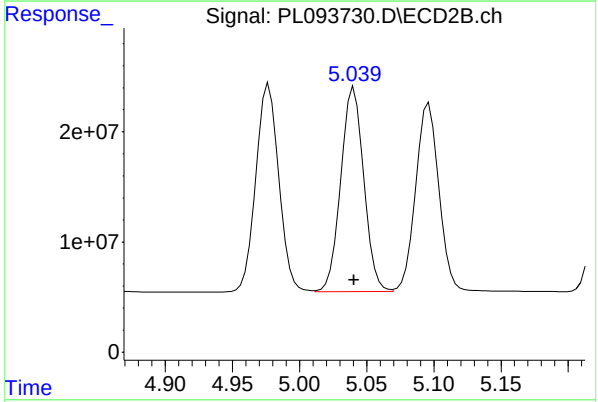
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

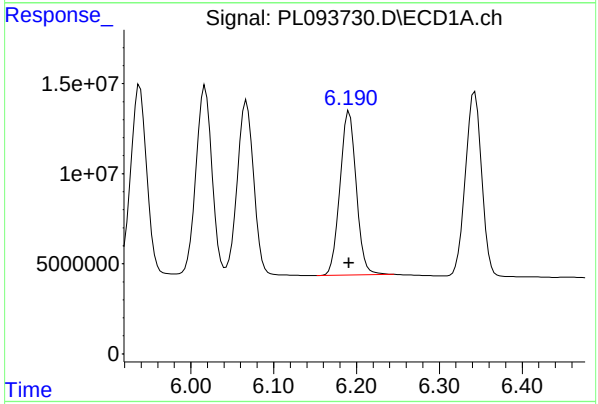
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



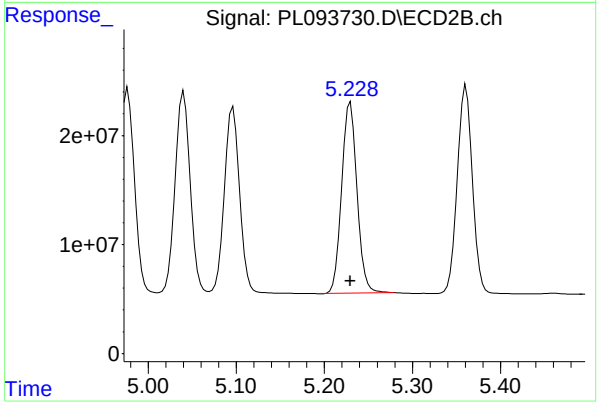
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 221205596
Conc: 50.00 ng/ml



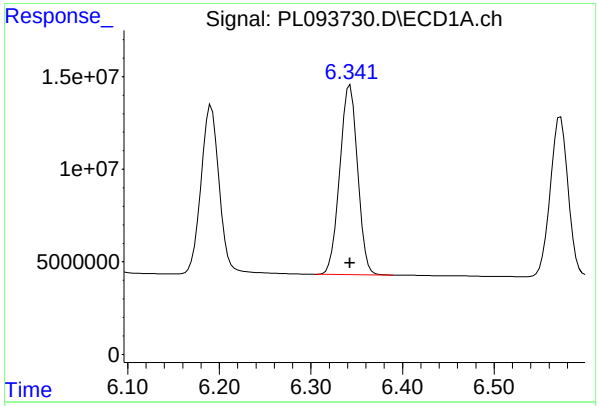
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 124454141
Conc: 50.00 ng/ml



#12 4,4'-DDE

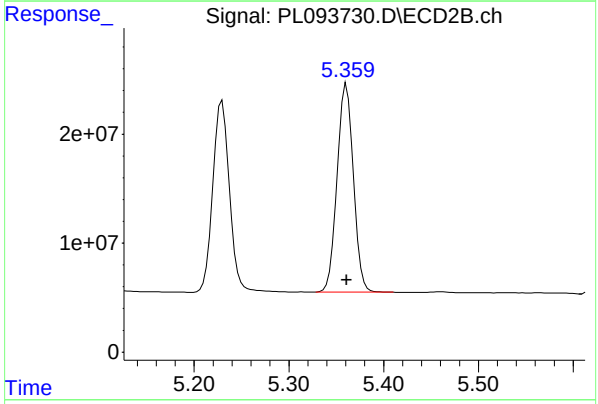
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

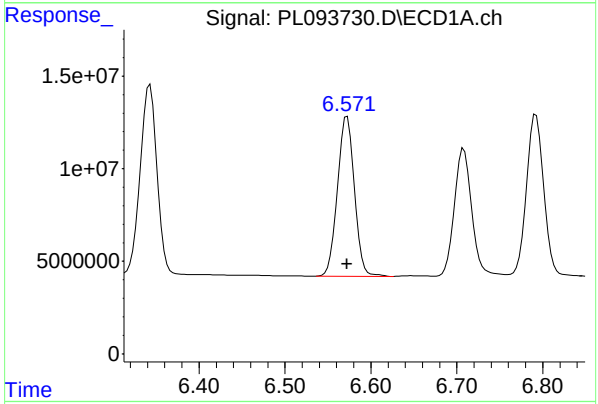
R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 139409444
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



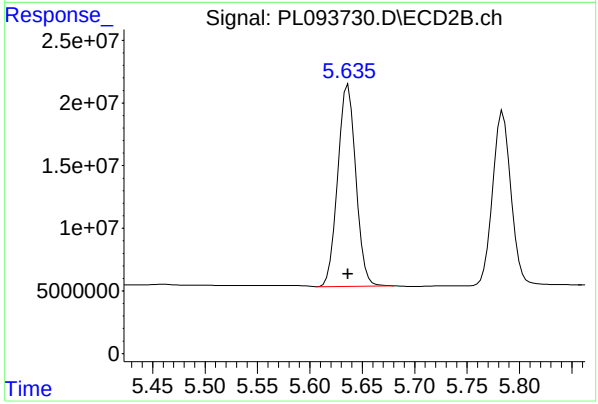
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 227678389
Conc: 50.00 ng/ml



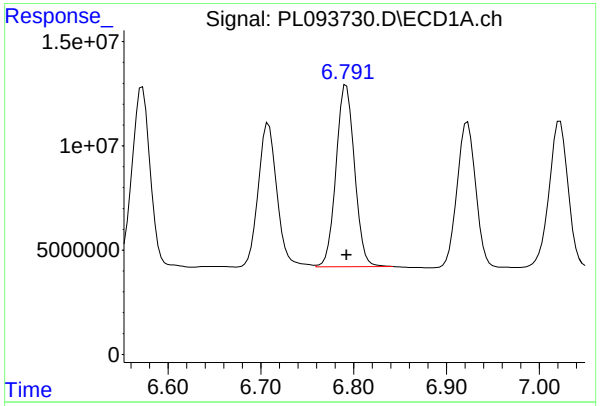
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 118161114
Conc: 50.00 ng/ml



#14 Endrin

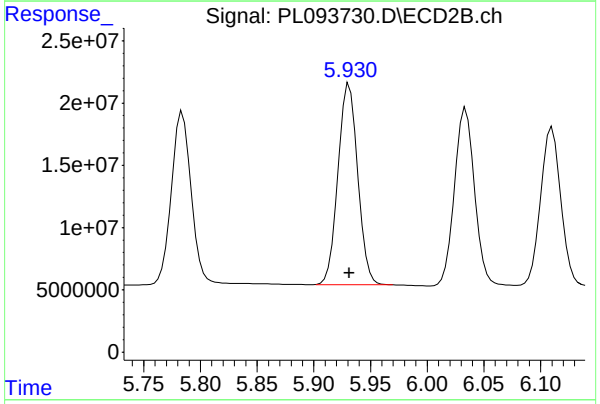
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

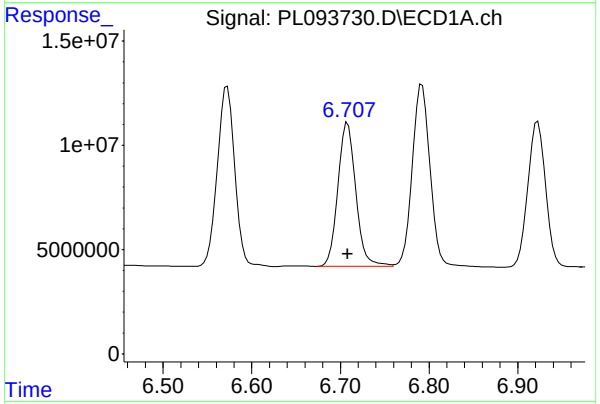
R.T.: 6.792 min
Delta R.T.: 0.000 mi
Response: 120697329
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



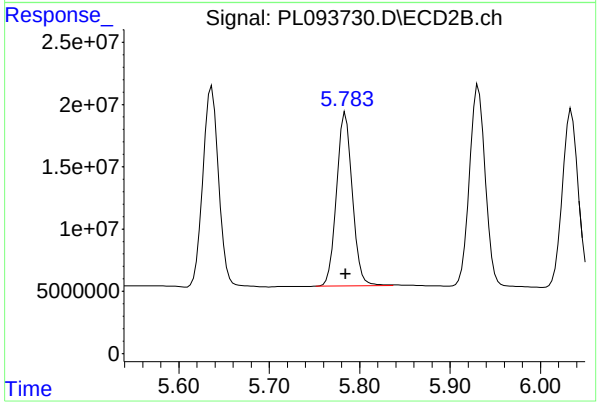
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 195648200
Conc: 50.00 ng/ml



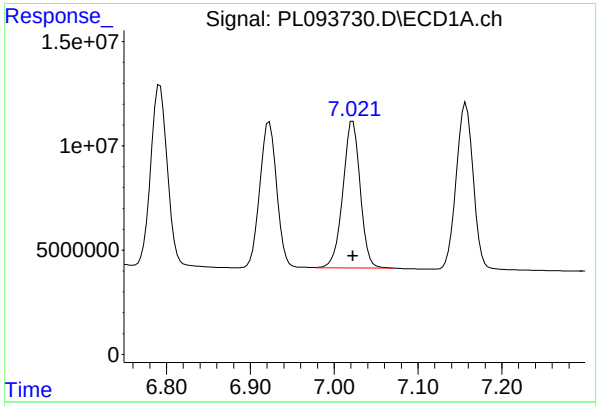
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 96633741
Conc: 50.00 ng/ml



#16 4,4'-DDD

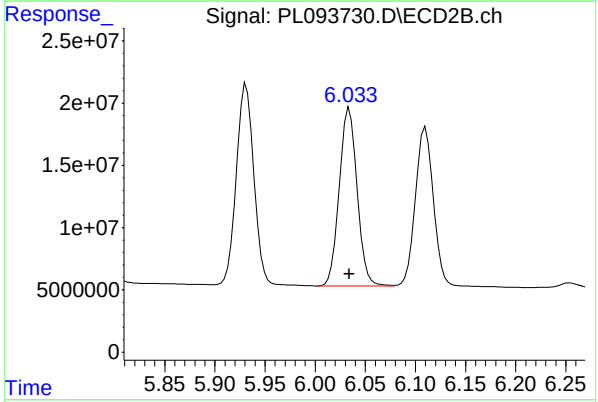
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

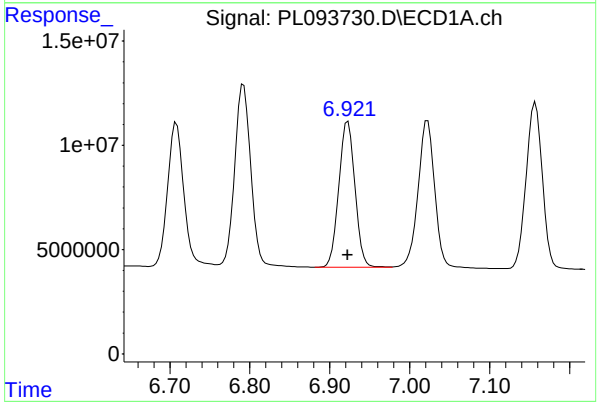
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



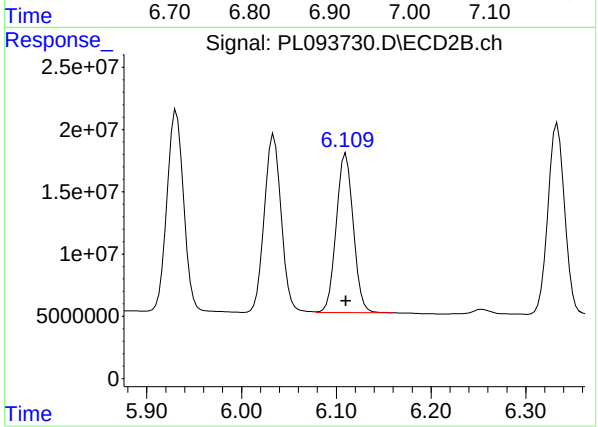
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 177142802
Conc: 50.00 ng/ml



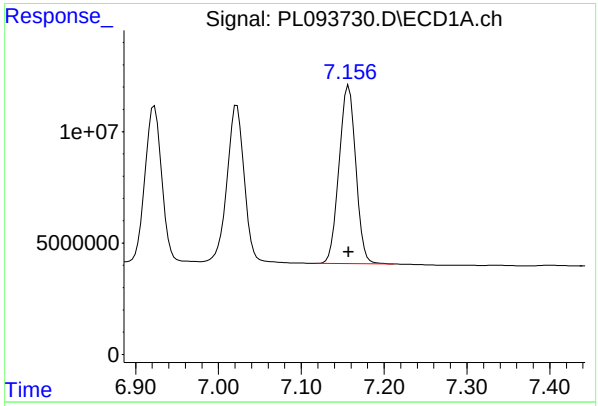
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 97948460
Conc: 50.00 ng/ml



#18 Endrin aldehyde

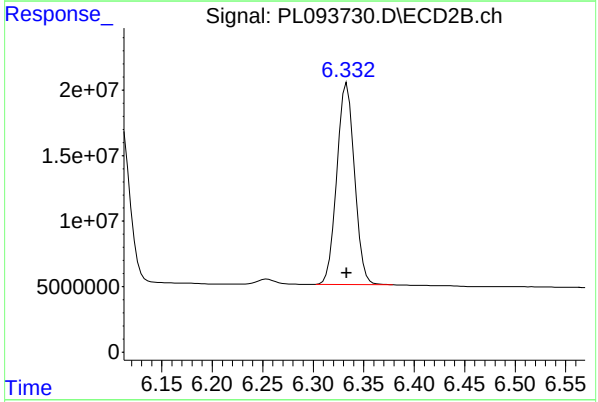
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

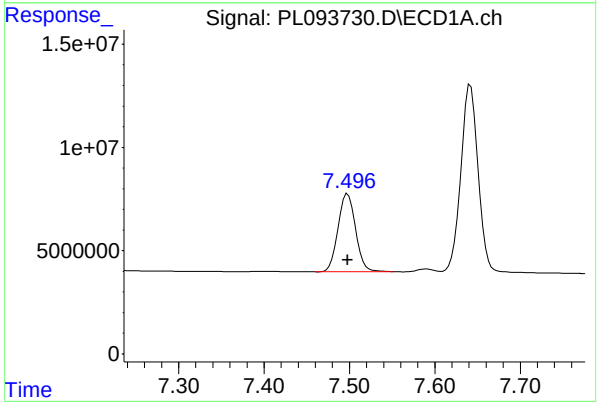
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



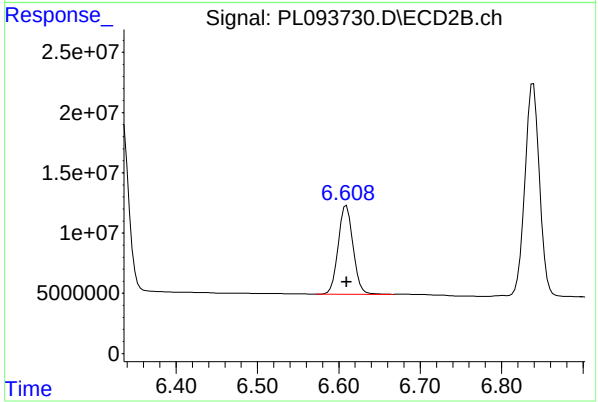
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 187851270
Conc: 50.00 ng/ml



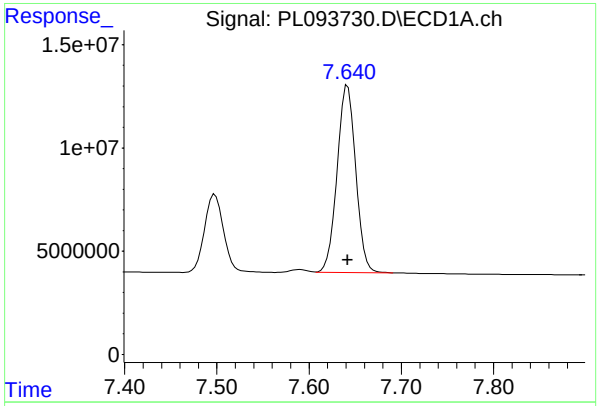
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 54018493
Conc: 50.00 ng/ml



#20 Methoxychlor

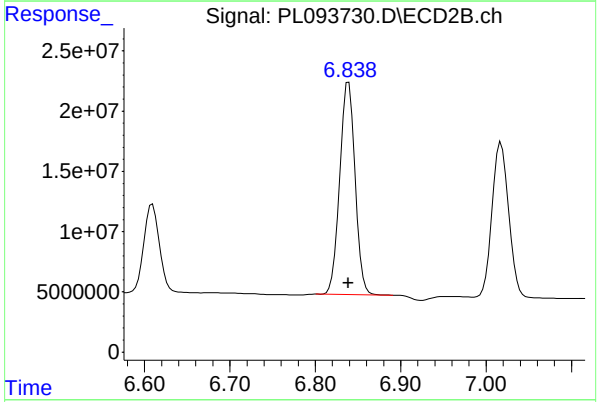
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

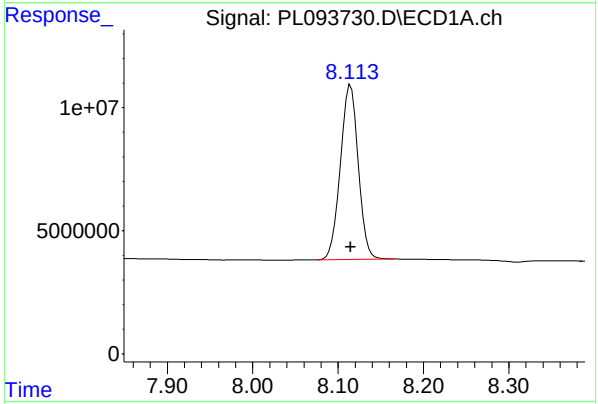
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



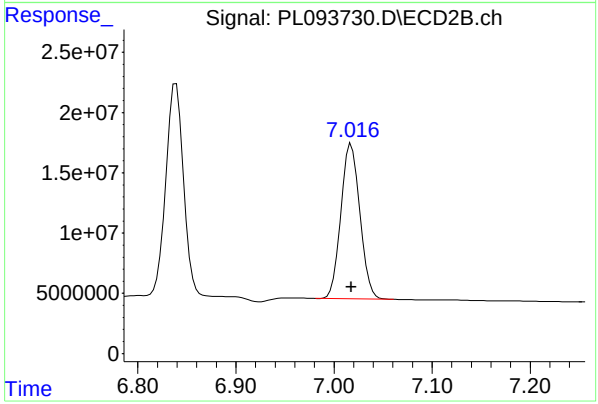
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 220004203
Conc: 50.00 ng/ml



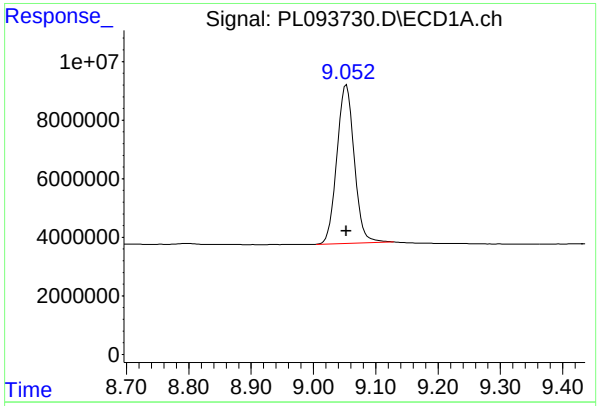
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103275089
Conc: 50.00 ng/ml



#22 Mirex

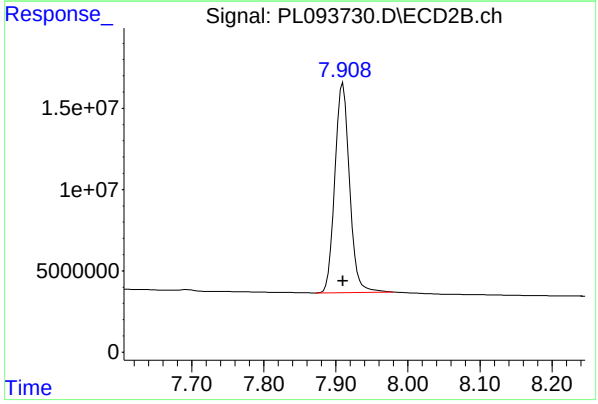
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 173654301
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 104915987
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 181351234
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:59:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	64887383	76654930	25.606	24.213
28) SA	Decachlor...	9.052	7.909	50461717	83015469	26.208	24.840
	Target Compounds						
2) A	alpha-BHC	3.995	3.276	89070727	112.0E6	24.556	23.055
3) MA	gamma-BHC...	4.327	3.607	86520755	109.6E6	24.821	23.349
4) MA	Heptachlor	4.914	3.945	78602546	108.6E6	25.575	23.892
5) MB	Aldrin	5.256	4.224	77491525	105.6E6	25.379	23.546
6) B	beta-BHC	4.525	3.907	37722252	47243605	25.509	24.644
7) B	delta-BHC	4.772	4.135	82584367	109.2E6	24.767	23.218
8) B	Heptachlo...	5.683	4.726	70895850	98198954	25.936	24.060
9) A	Endosulfan I	6.068	5.096	63215335	90882897	25.885	24.027
10) B	gamma-Chl...	5.939	4.976	66959715	98387231	25.700	23.747
11) B	alpha-Chl...	6.017	5.040	66664408	97870181	25.711	23.932
12) B	4,4'-DDE	6.191	5.229	58039701	93725344	25.344	23.876
13) MA	Dieldrin	6.343	5.360	65983515	98970864	25.563	23.595
14) MA	Endrin	6.572	5.636	55464000	85153560	25.436	23.710
15) B	Endosulfa...	6.793	5.931	57195569	87112831	25.745	24.134
16) A	4,4'-DDD	6.708	5.784	45068086	72761634	25.477	23.324
17) MA	4,4'-DDT	7.022	6.034	47678056	76172310	25.612	23.370
18) B	Endrin al...	6.923	6.110	47414192	72307343	26.251	24.600
19) B	Endosulfa...	7.157	6.333	54762628	83706831	26.369	24.145
20) A	Methoxychlor	7.498	6.609	25502321	41095325	25.958	24.173
21) B	Endrin ke...	7.642	6.838	60347677	97684233	25.801	24.188
22)	Mirex	8.115	7.018	50874505	81084696	26.652	25.185

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

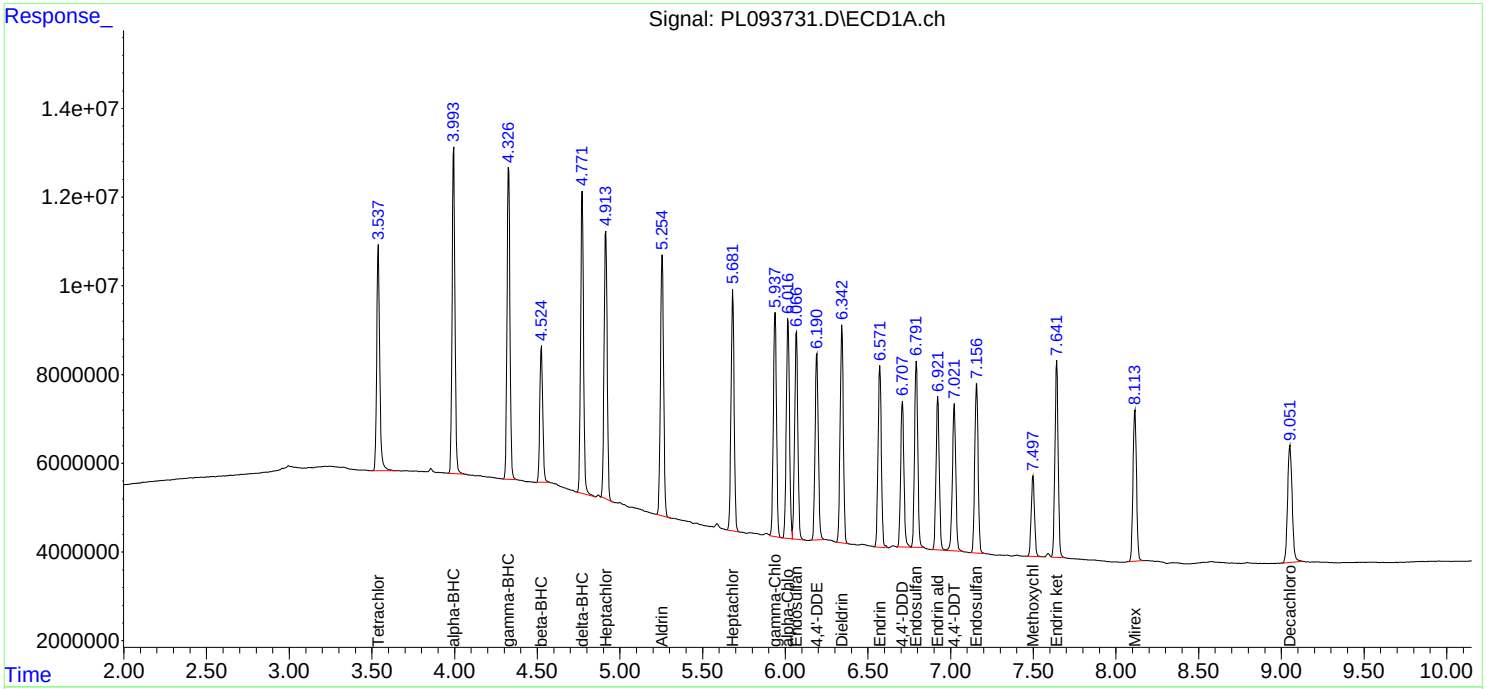
ICAL Form

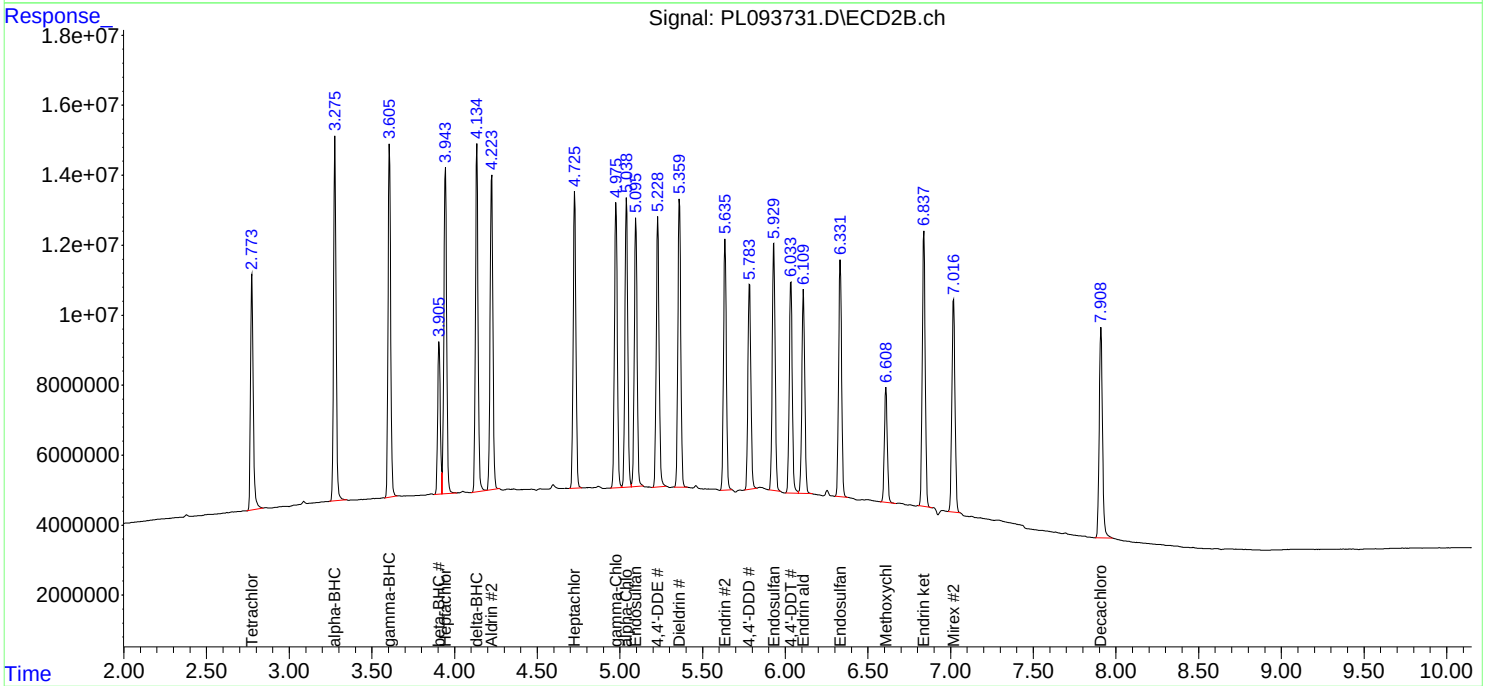
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

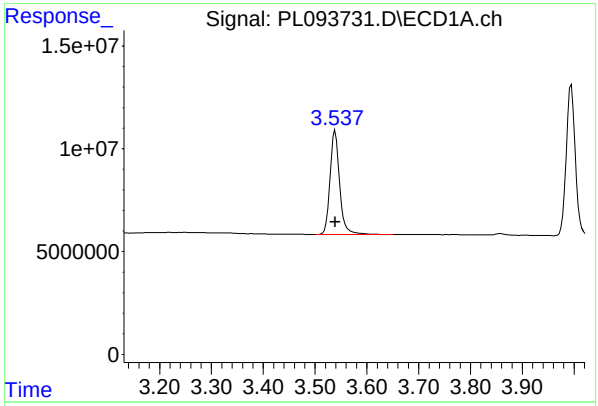
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:59:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



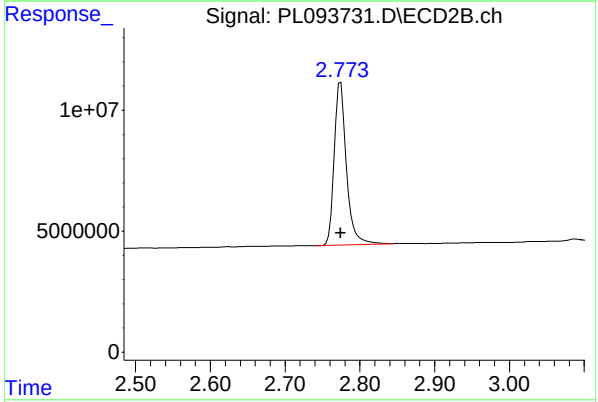




#1 Tetrachloro-m-xylene

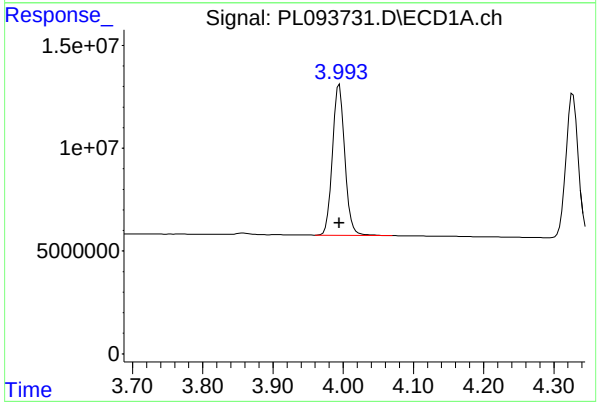
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



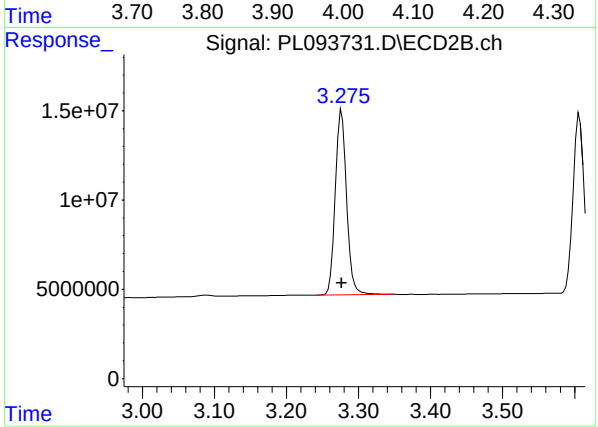
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 76654930
Conc: 24.21 ng/ml



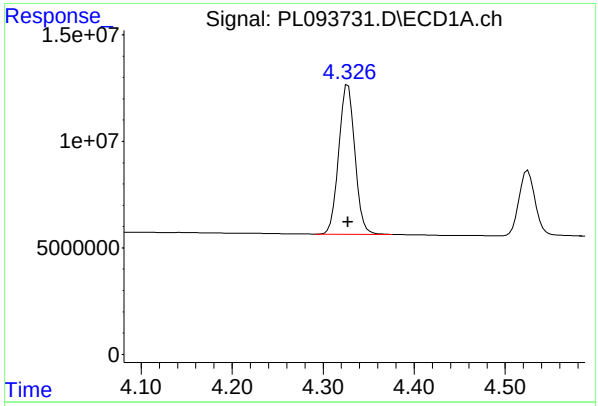
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 89070727
Conc: 24.56 ng/ml



#2 alpha-BHC

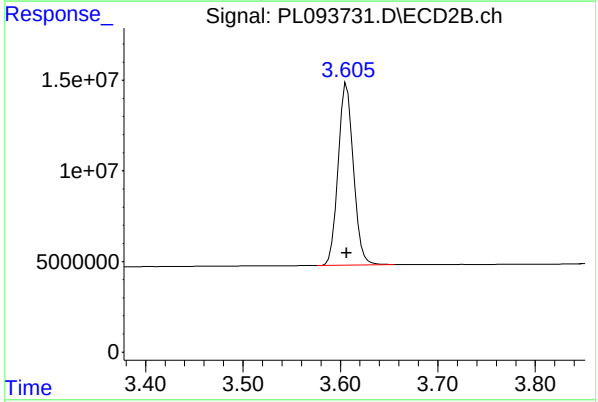
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

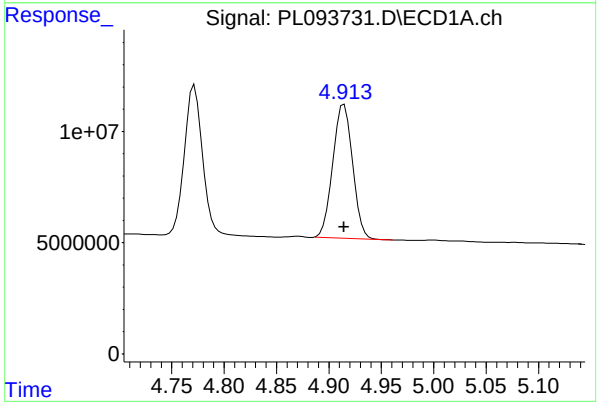
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



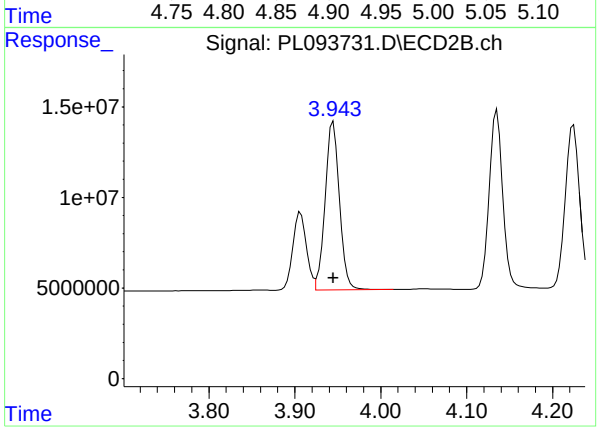
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 109620260
Conc: 23.35 ng/ml



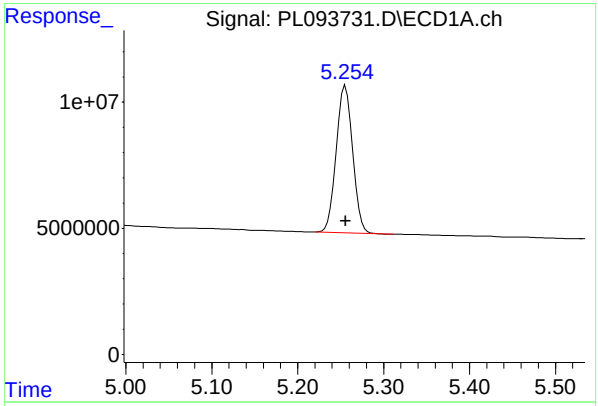
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 78602546
Conc: 25.58 ng/ml



#4 Heptachlor

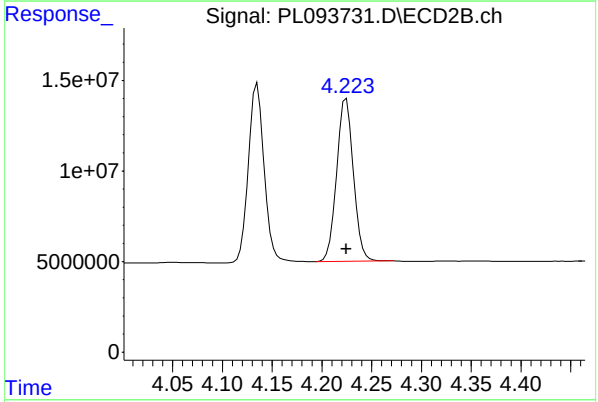
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

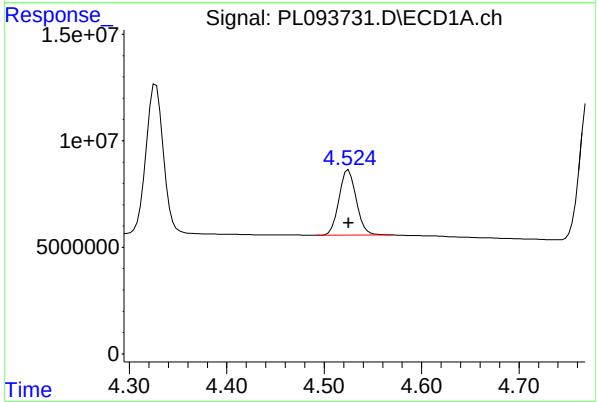
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



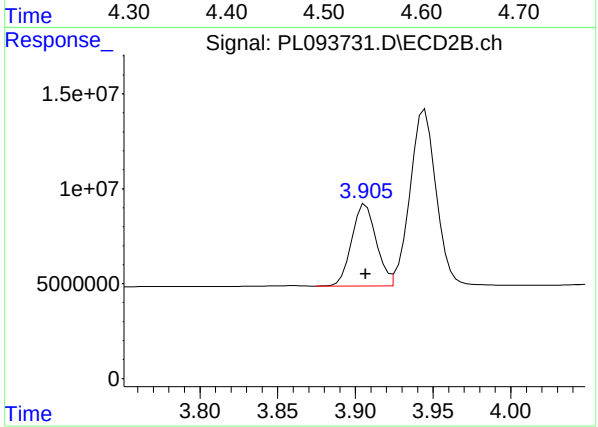
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 105561790
Conc: 23.55 ng/ml



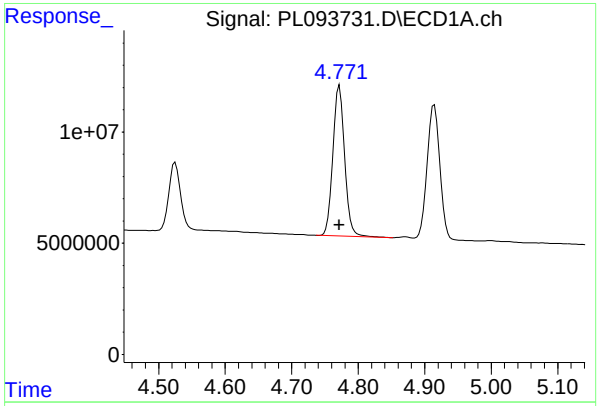
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 37722252
Conc: 25.51 ng/ml



#6 beta-BHC

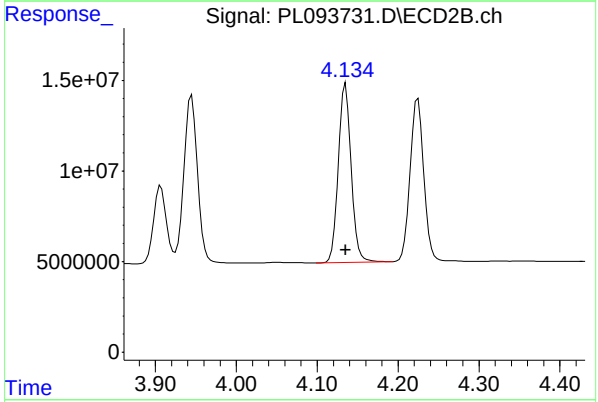
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

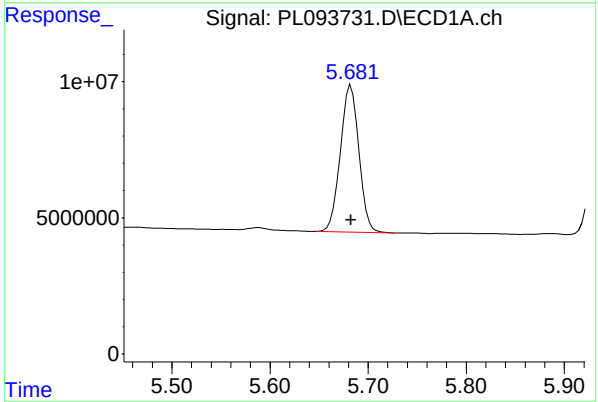
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



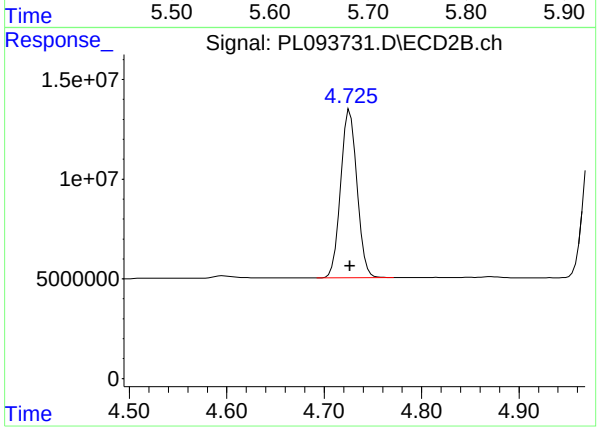
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 109220381
Conc: 23.22 ng/ml



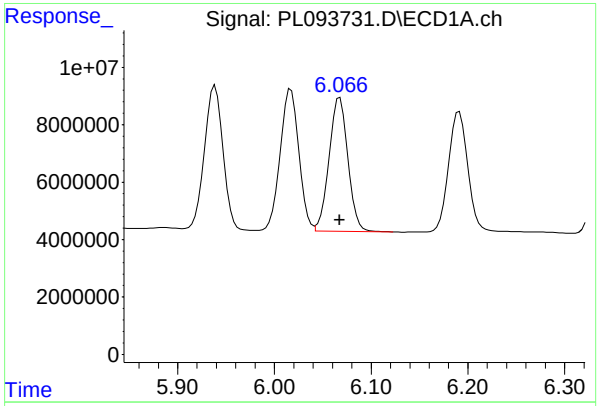
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 70895850
Conc: 25.94 ng/ml



#8 Heptachlor epoxide

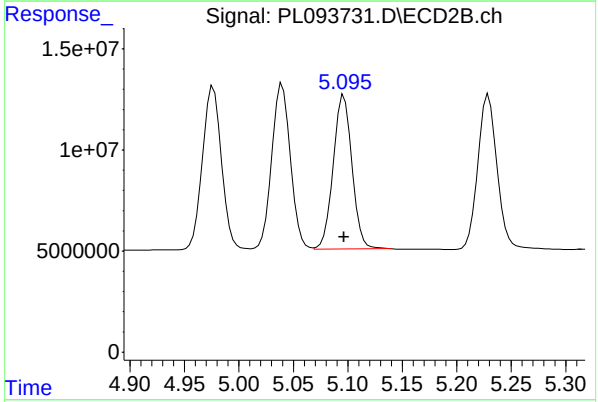
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

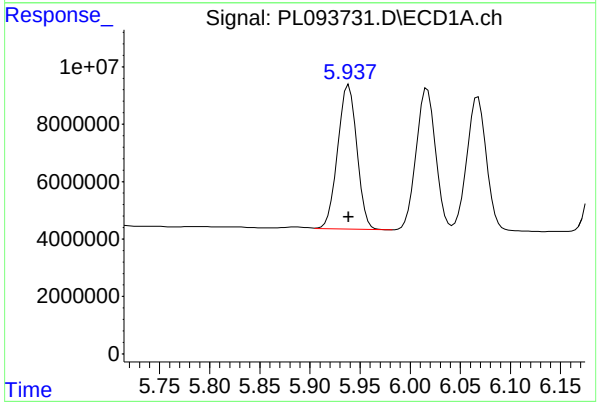
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



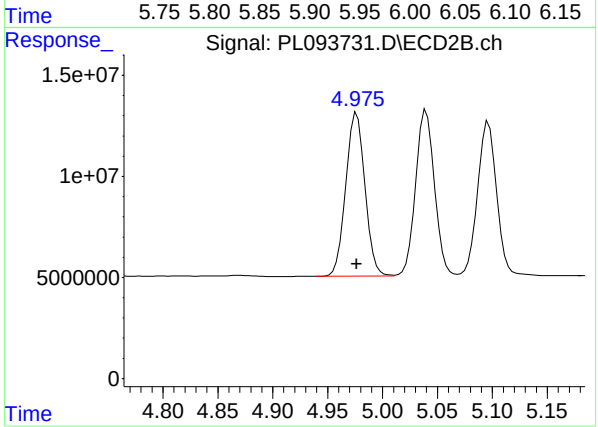
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 90882897
Conc: 24.03 ng/ml



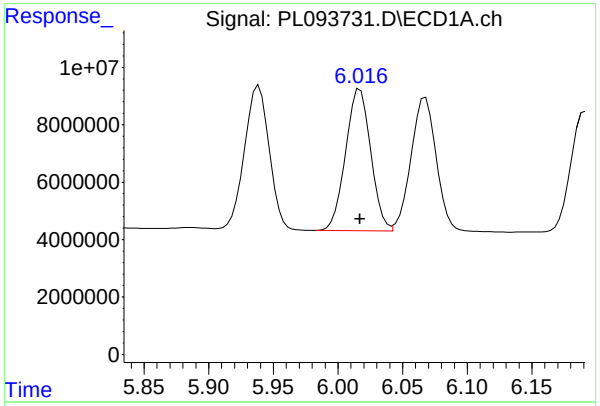
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 66959715
Conc: 25.70 ng/ml



#10 gamma-Chlordane

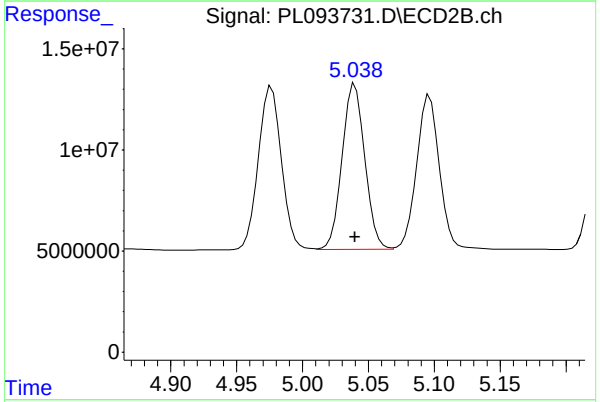
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

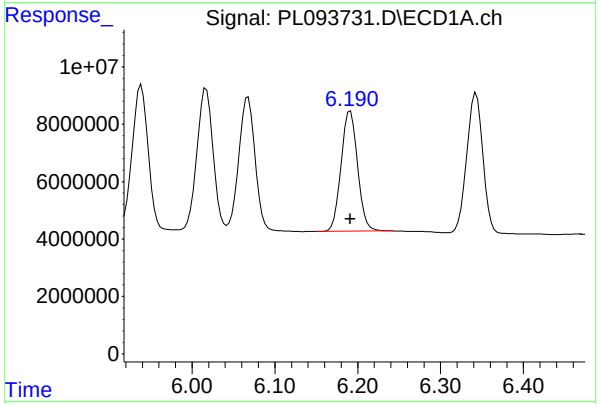
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



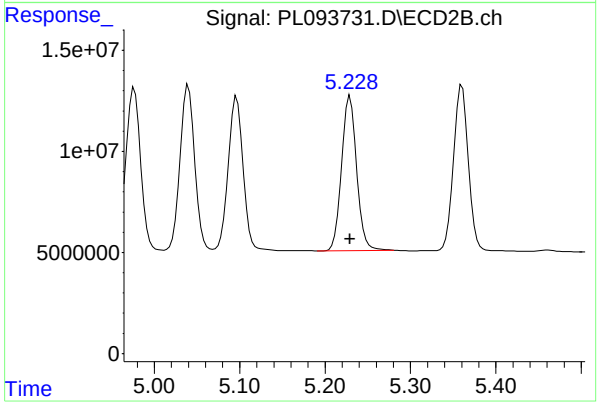
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 97870181
Conc: 23.93 ng/ml



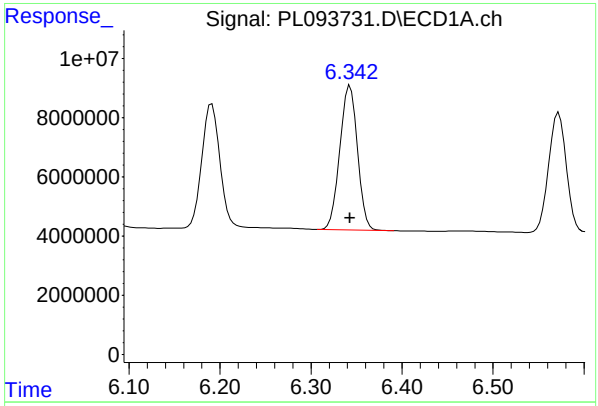
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 58039701
Conc: 25.34 ng/ml



#12 4,4'-DDE

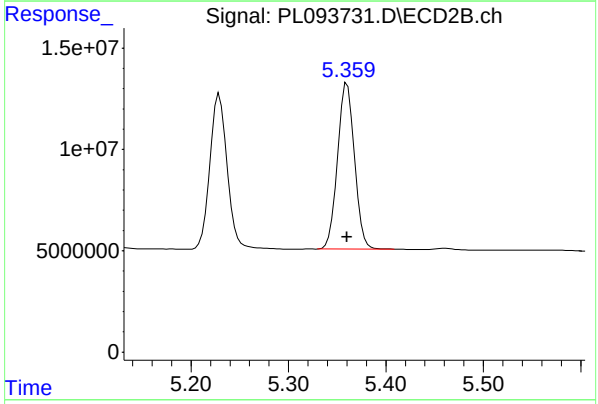
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

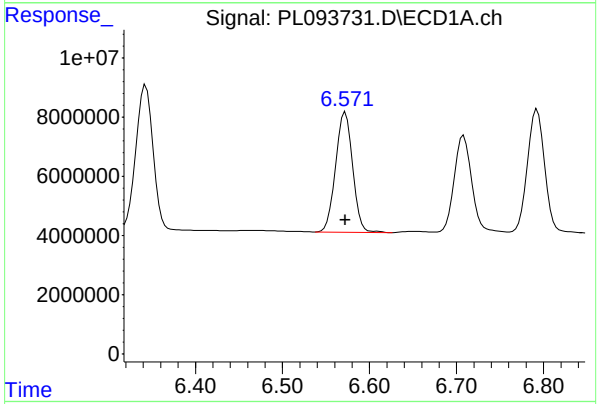
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



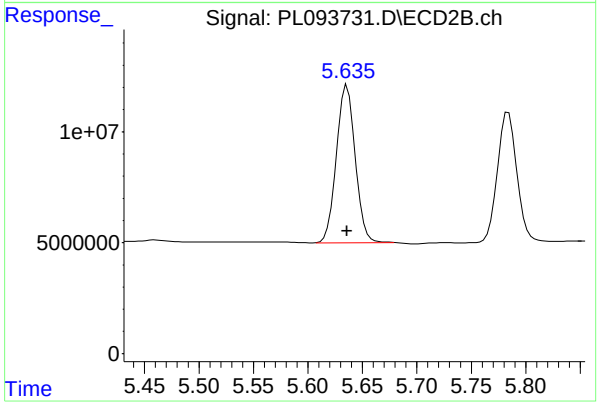
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 98970864
Conc: 23.59 ng/ml



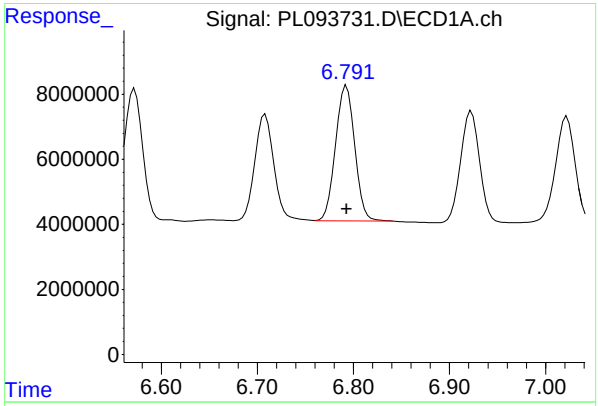
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 55464000
Conc: 25.44 ng/ml



#14 Endrin

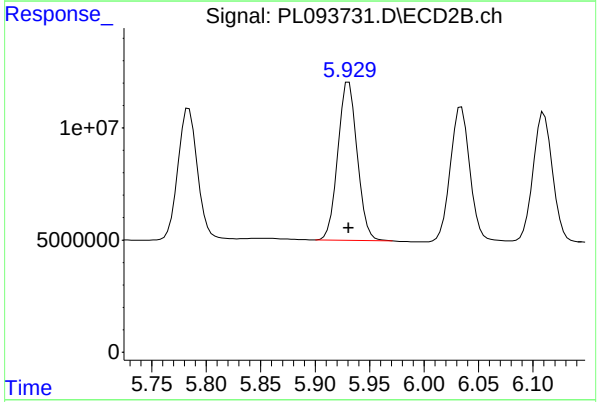
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

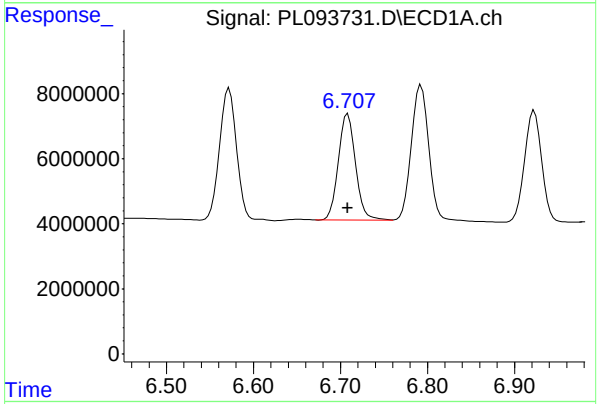
R.T.: 6.793 min
Delta R.T.: 0.000 mi
Response: 57195569
Conc: 25.74 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



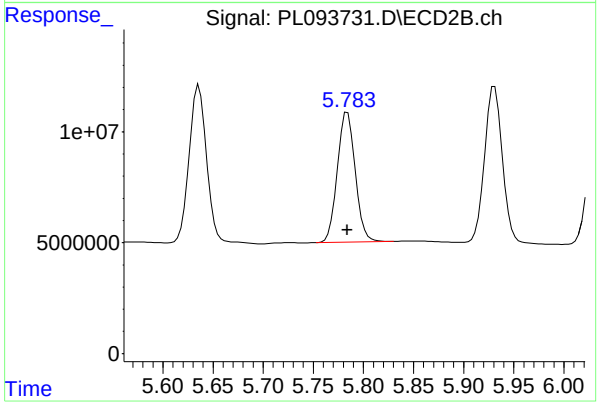
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 87112831
Conc: 24.13 ng/ml



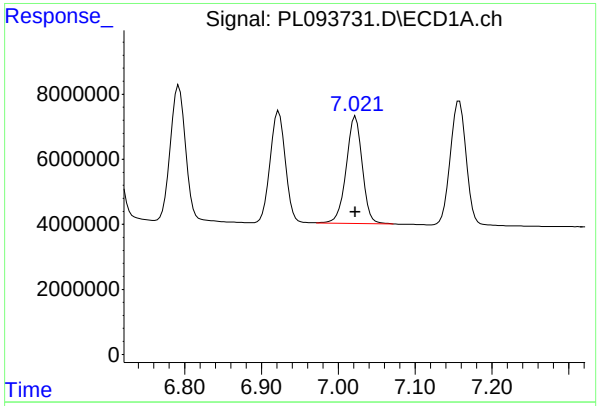
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 45068086
Conc: 25.48 ng/ml



#16 4,4'-DDD

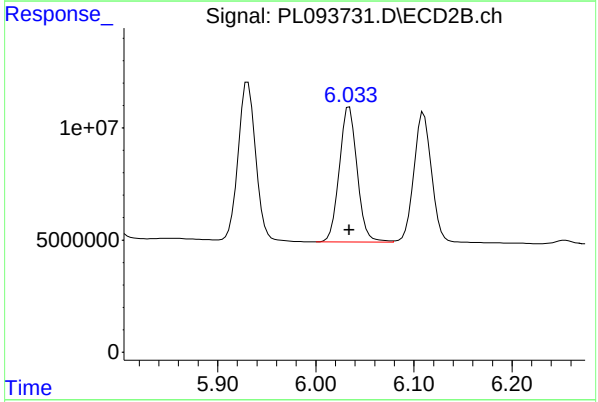
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

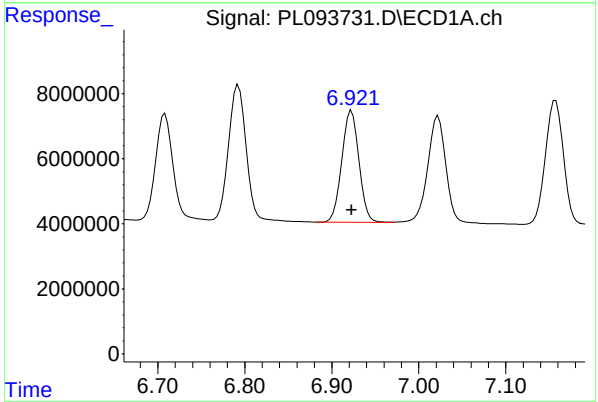
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



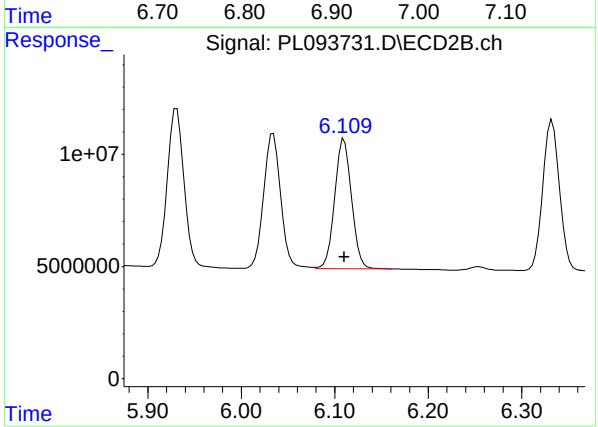
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 76172310
Conc: 23.37 ng/ml



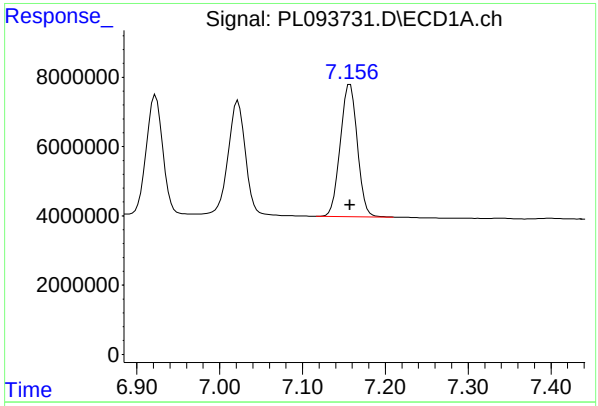
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 47414192
Conc: 26.25 ng/ml



#18 Endrin aldehyde

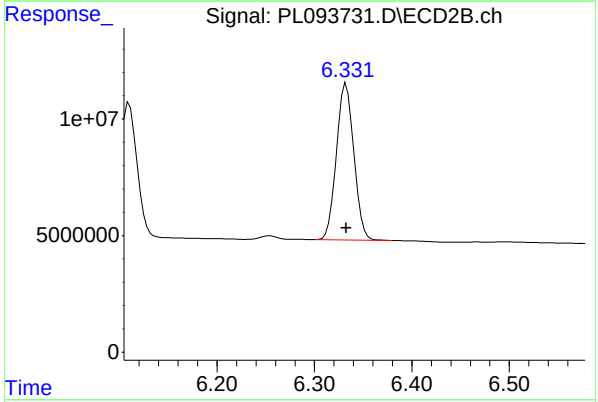
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

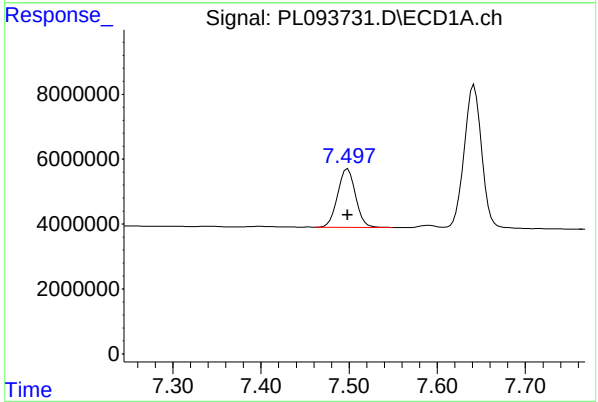
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



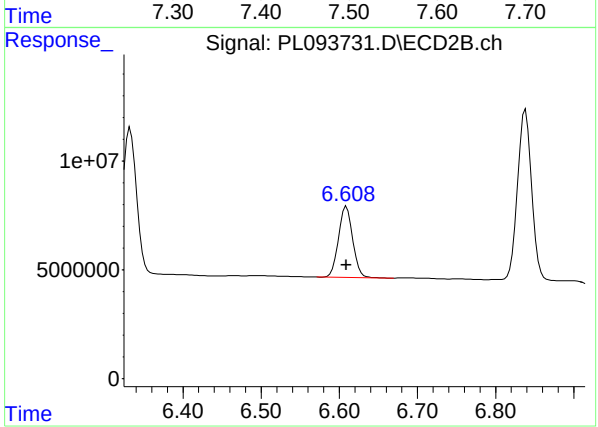
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 83706831
Conc: 24.15 ng/ml



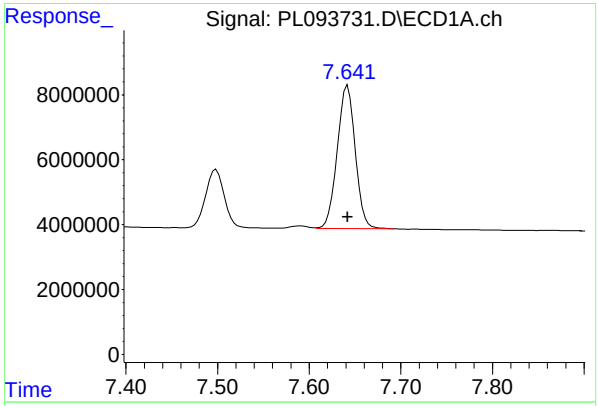
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 25502321
Conc: 25.96 ng/ml



#20 Methoxychlor

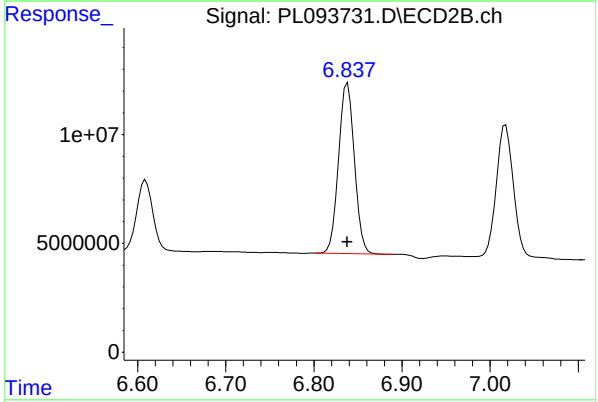
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

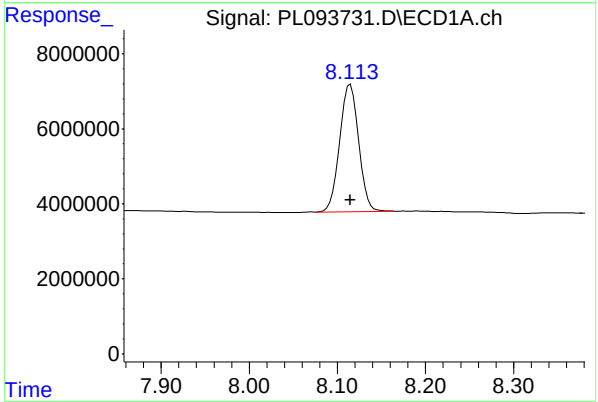
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 60347677
Conc: 25.80 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



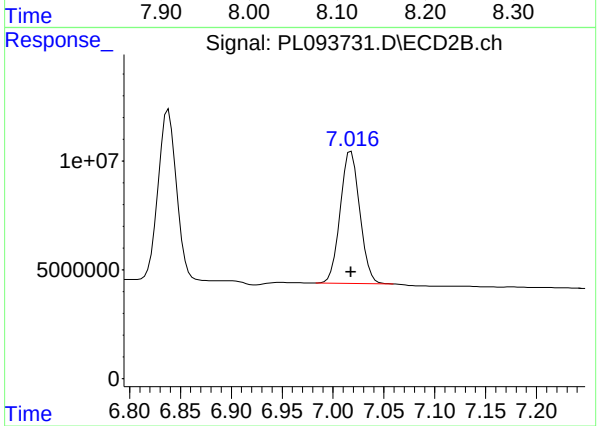
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 97684233
Conc: 24.19 ng/ml



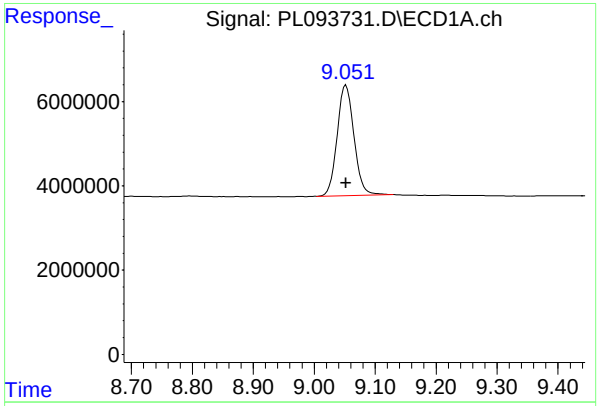
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 50874505
Conc: 26.65 ng/ml



#22 Mirex

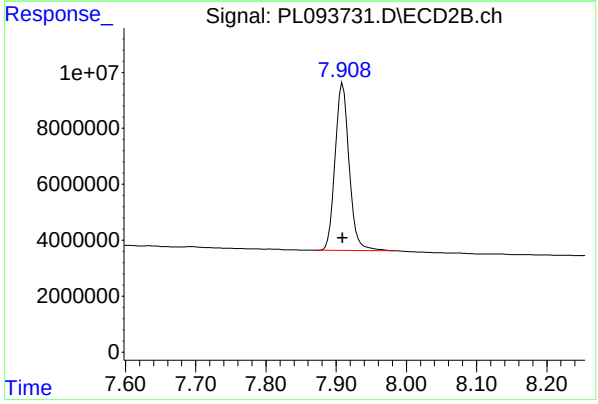
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 81084696
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 mi
Response: 50461717
Conc: 26.21 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 83015469
Conc: 24.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:01:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.774	16637105	18287931	6.178	5.603
28)	SA	Decachlor...	9.052	7.909	13789093	20761045	6.592	5.925
		Target Compounds						
2)	A	alpha-BHC	3.994	3.276	23301548	25051289	6.078	5.124
3)	MA	gamma-BHC...	4.326	3.606	22354233	24631359	6.070	5.195
4)	MA	Heptachlor	4.914	3.944	20465600	25421102	6.245	5.461
5)	MB	Aldrin	5.255	4.223	20732862	24380948	6.337	5.345
6)	B	beta-BHC	4.525	3.906	10607660	11595524	6.600	5.805
7)	B	delta-BHC	4.771	4.134	20943898	24697126	5.975	5.198
8)	B	Heptachlo...	5.682	4.726	19675106	22877181	6.616	5.473
9)	A	Endosulfan I	6.068	5.096	17228246	21272747	6.519	5.487
10)	B	gamma-Chl...	5.938	4.976	17575834	23077513	6.306	5.446
11)	B	alpha-Chl...	6.017	5.040	17853432	22874114	6.403	5.464
12)	B	4,4'-DDE	6.191	5.229	15062588	21725638	6.187	5.419
13)	MA	Dieldrin	6.343	5.360	17771692	23498784	6.402	5.470
14)	MA	Endrin	6.573	5.635	15009439	20488065	6.401	5.548
15)	B	Endosulfa...	6.793	5.930	15801314	20403798	6.558	5.509
16)	A	4,4'-DDD	6.708	5.783	12134151	16521614	6.385	5.234
17)	MA	4,4'-DDT	7.022	6.034	12070833	16163358	6.121	4.967
18)	B	Endrin al...	6.922	6.110	12477919	17329206	6.418	5.692
19)	B	Endosulfa...	7.156	6.332	15057236	19816189	6.651	5.557
20)	A	Methoxychlor	7.498	6.609	6435643	10701964	6.168	5.985
21)	B	Endrin ke...	7.642	6.837	16285626	24108712	6.456	5.747
22)		Mirex	8.114	7.018	13884960	20156166	6.667	5.960

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

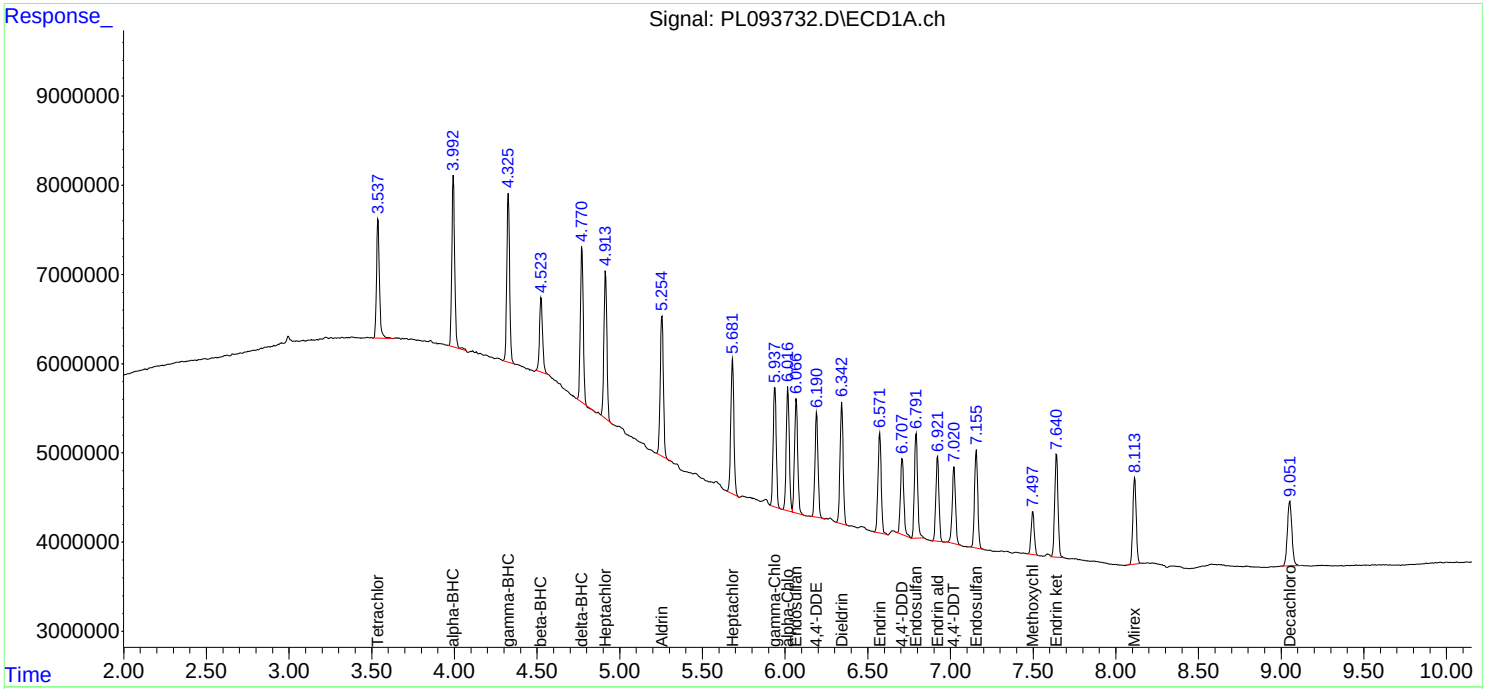
ICAL Form

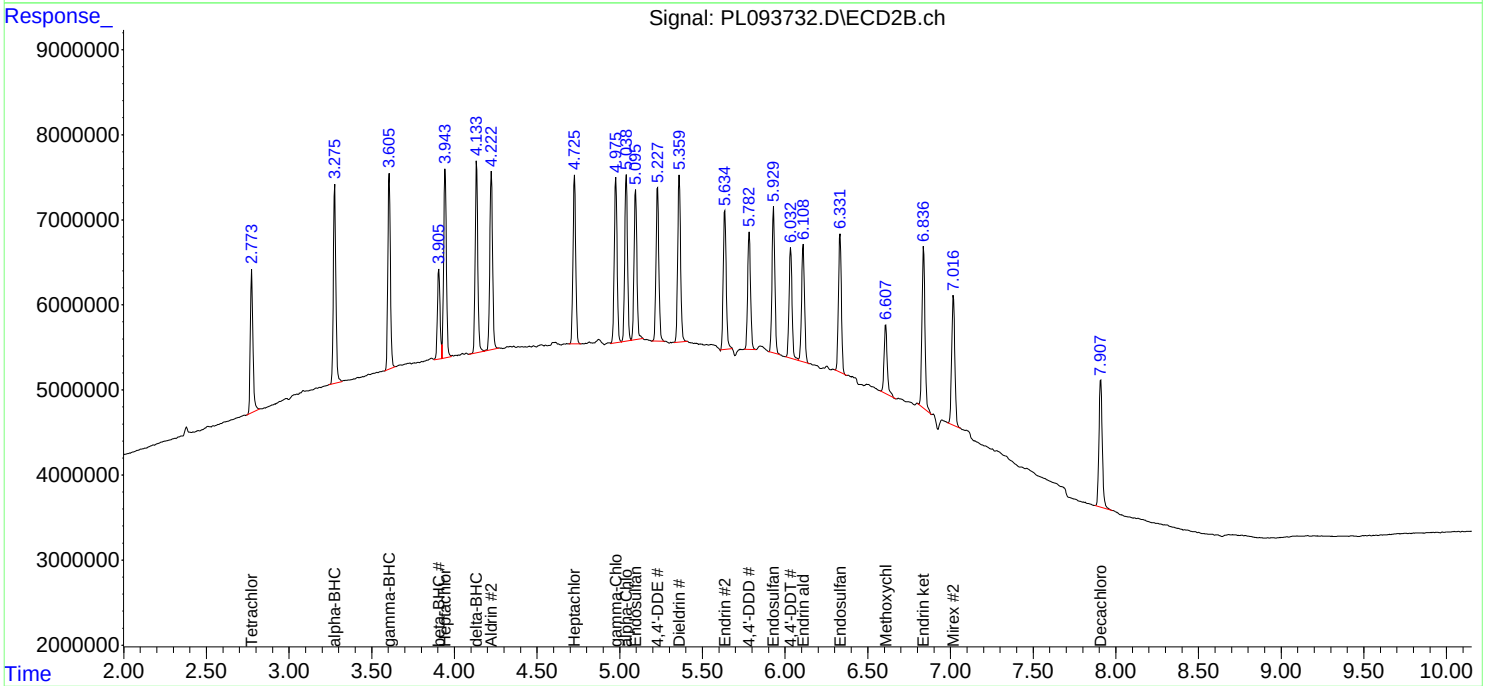
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

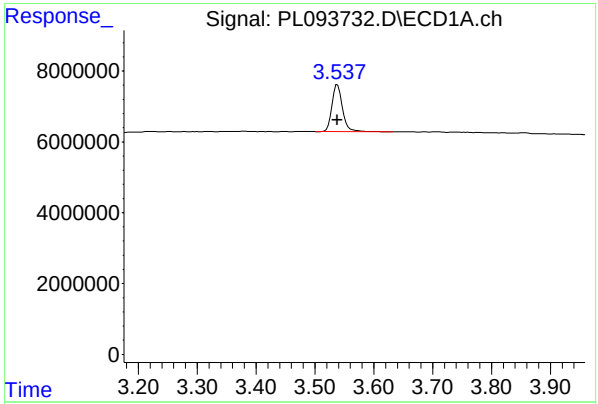
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:01:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



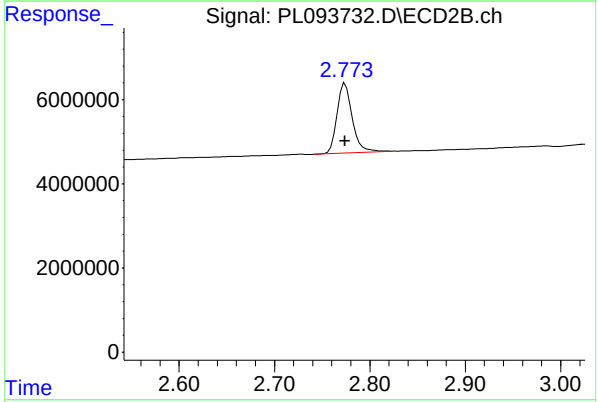




#1 Tetrachloro-m-xylene

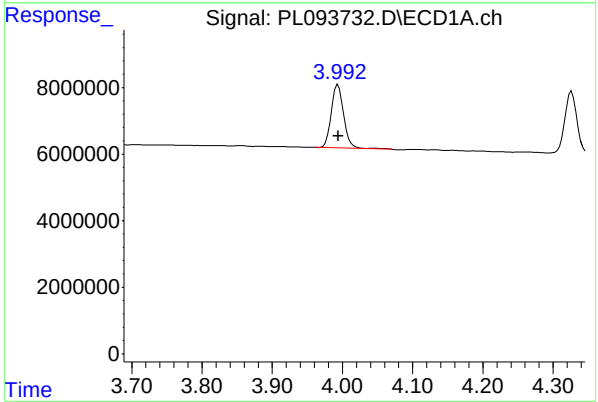
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



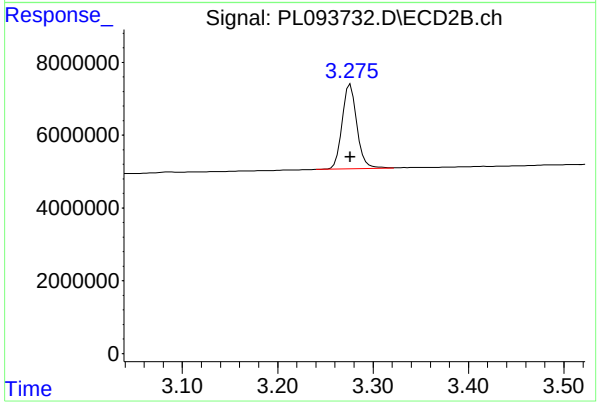
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 18287931
Conc: 5.60 ng/ml



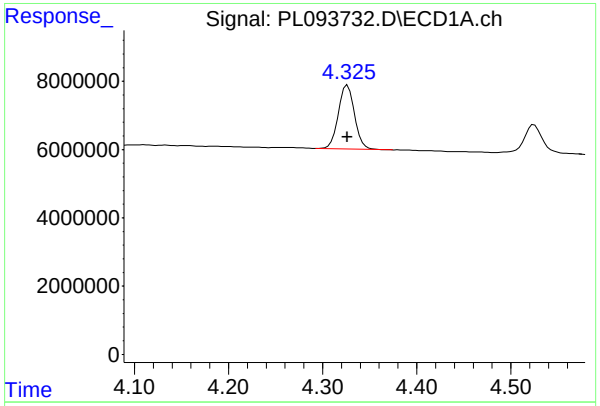
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 23301548
Conc: 6.08 ng/ml



#2 alpha-BHC

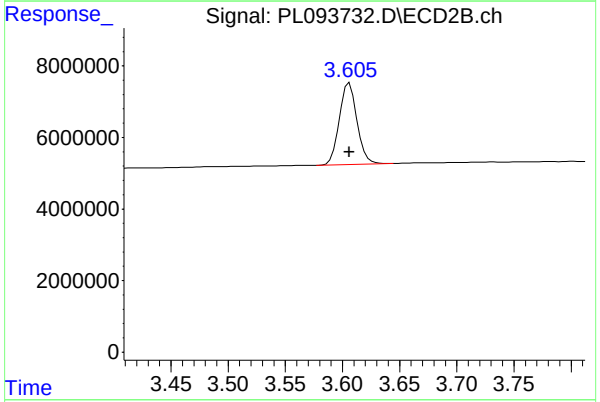
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

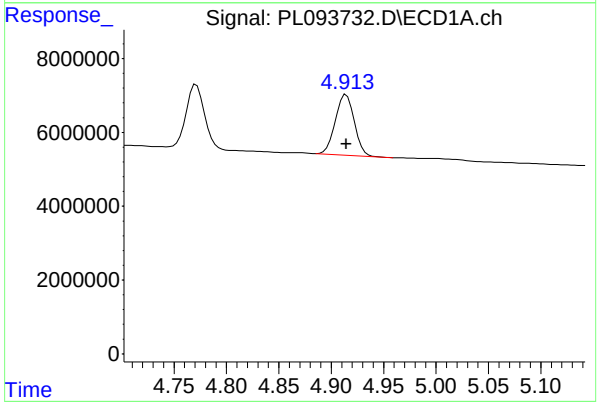
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



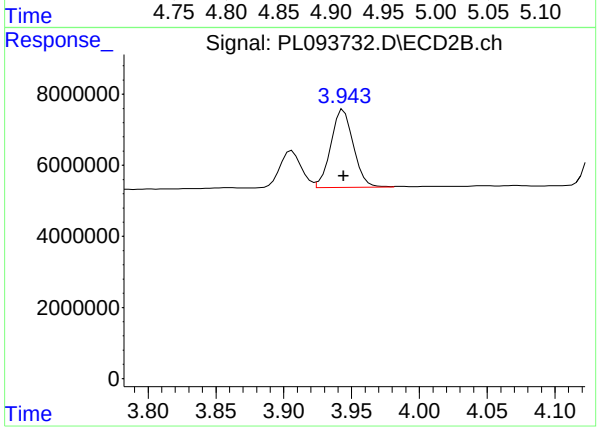
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 24631359
Conc: 5.20 ng/ml



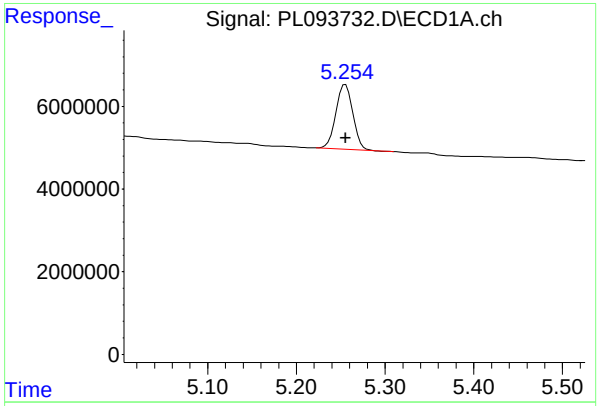
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 20465600
Conc: 6.24 ng/ml



#4 Heptachlor

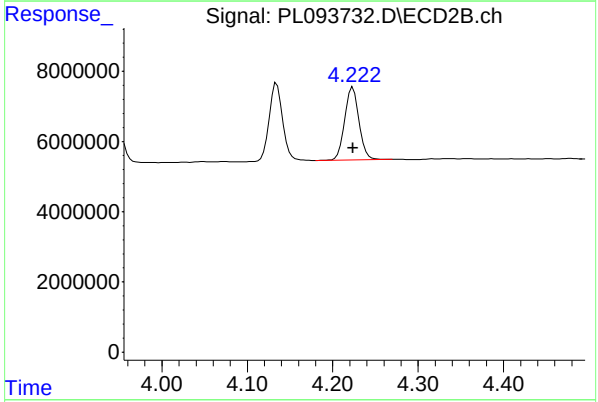
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

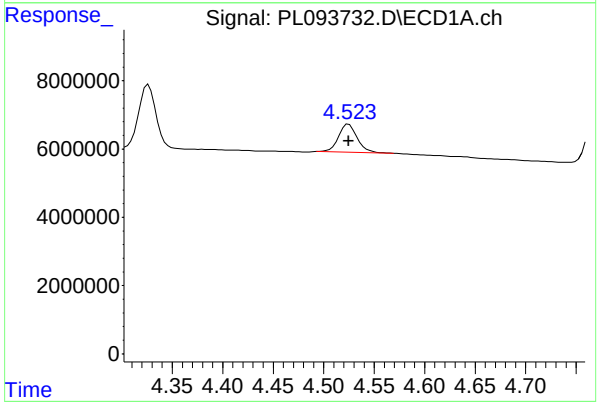
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



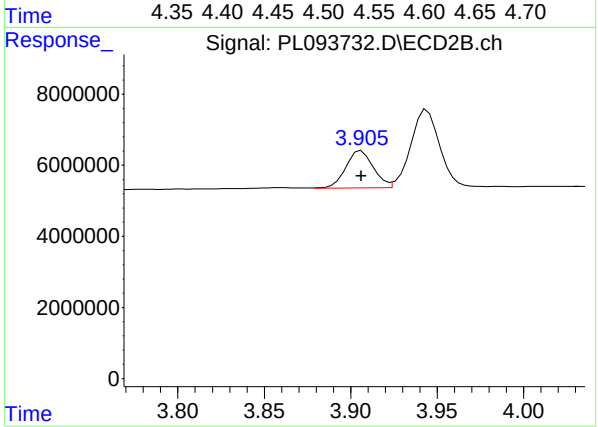
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: 0.000 min
Response: 24380948
Conc: 5.34 ng/ml



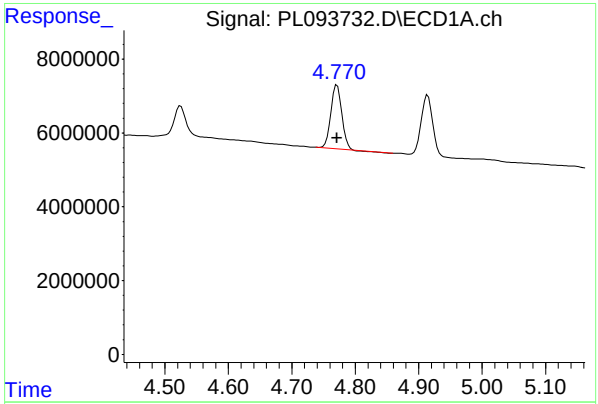
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 10607660
Conc: 6.60 ng/ml



#6 beta-BHC

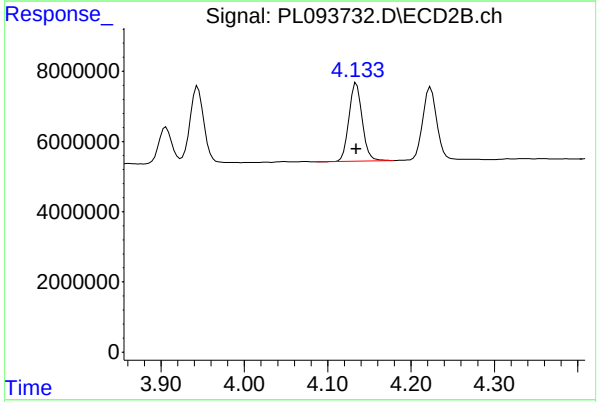
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

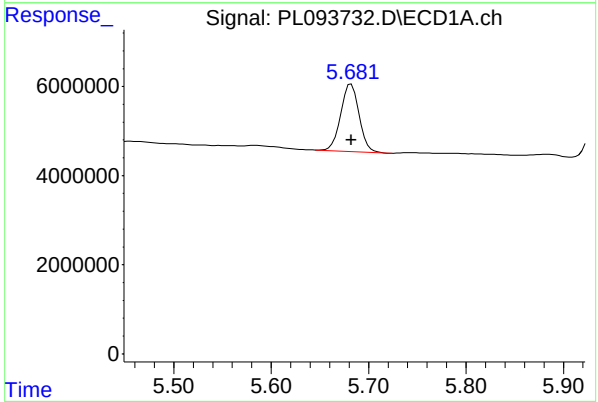
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



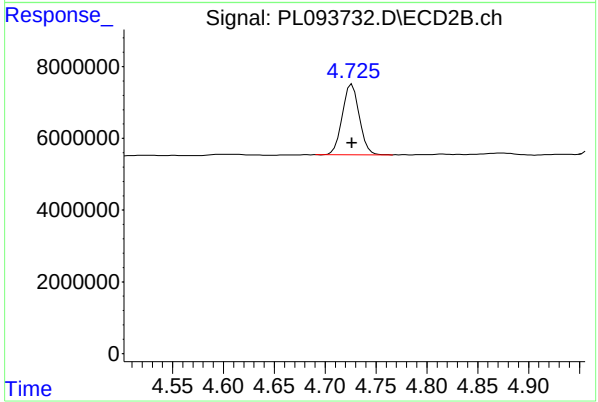
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: 0.000 min
Response: 24697126
Conc: 5.20 ng/ml



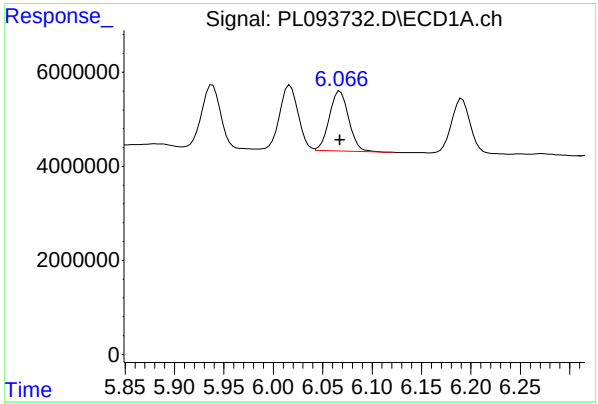
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 19675106
Conc: 6.62 ng/ml



#8 Heptachlor epoxide

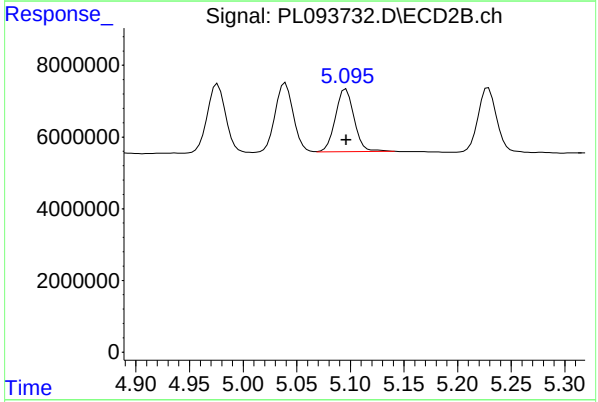
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

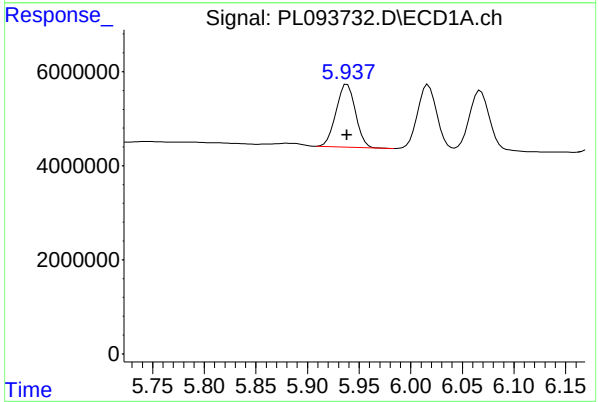
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



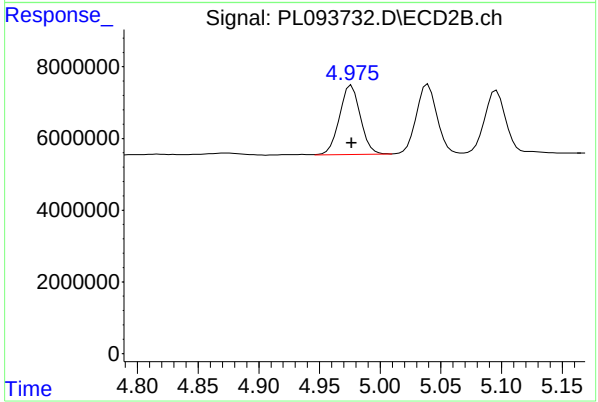
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 21272747
Conc: 5.49 ng/ml



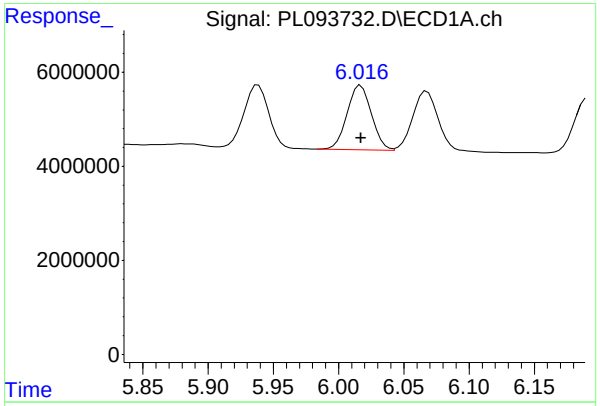
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 17575834
Conc: 6.31 ng/ml



#10 gamma-Chlordane

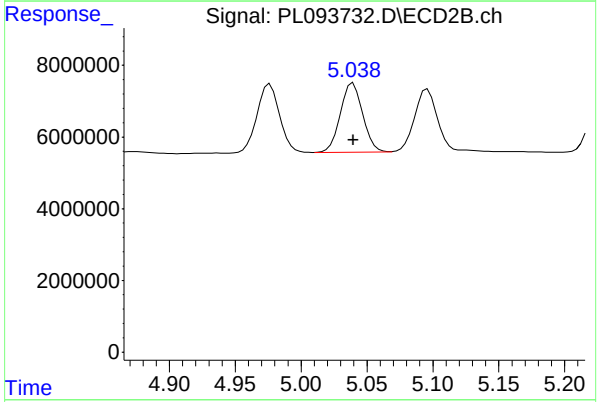
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

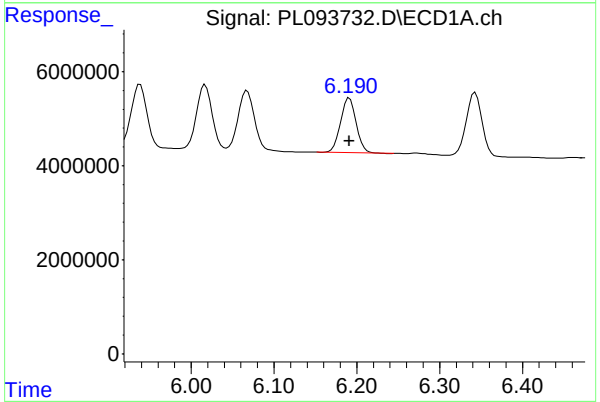
R.T.: 6.017 min
Delta R.T.: 0.000 mi
Response: 17853432
Conc: 6.40 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



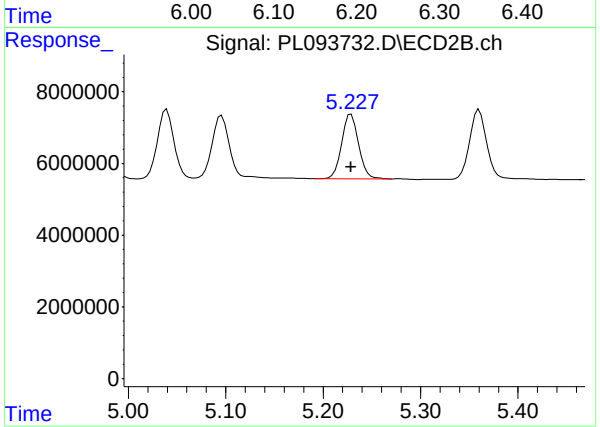
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 22874114
Conc: 5.46 ng/ml



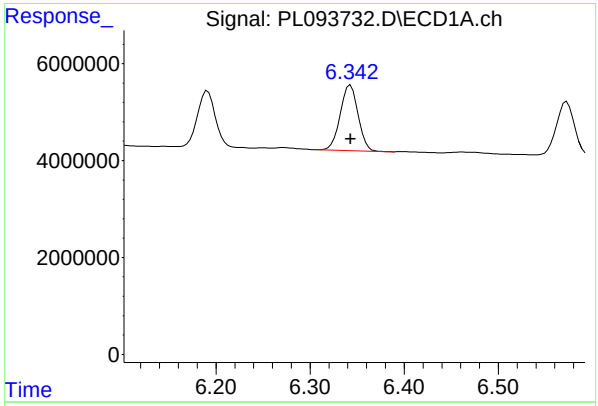
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 15062588
Conc: 6.19 ng/ml



#12 4,4'-DDE

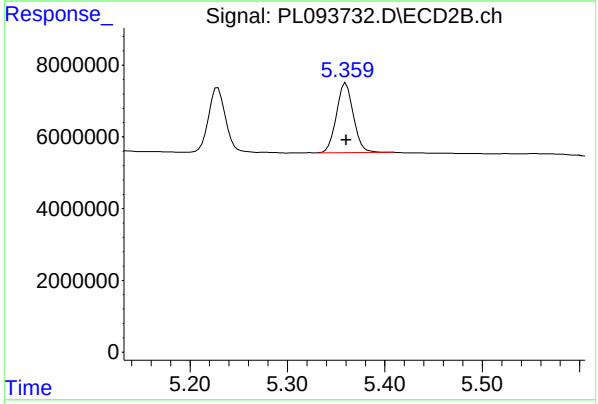
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

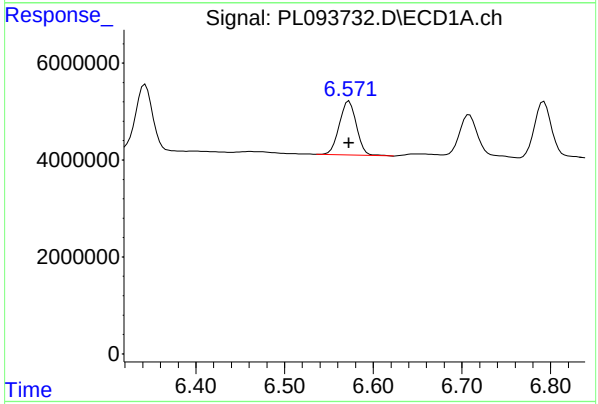
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



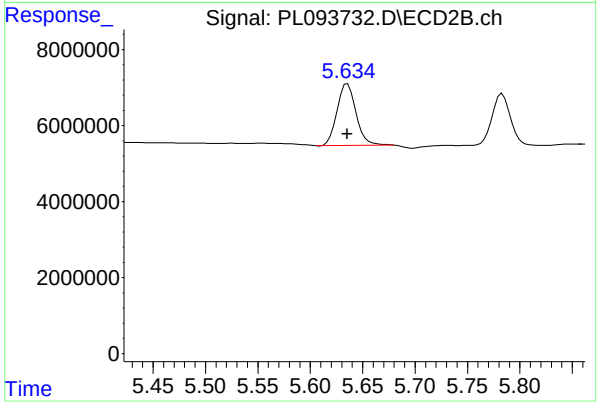
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 23498784
Conc: 5.47 ng/ml



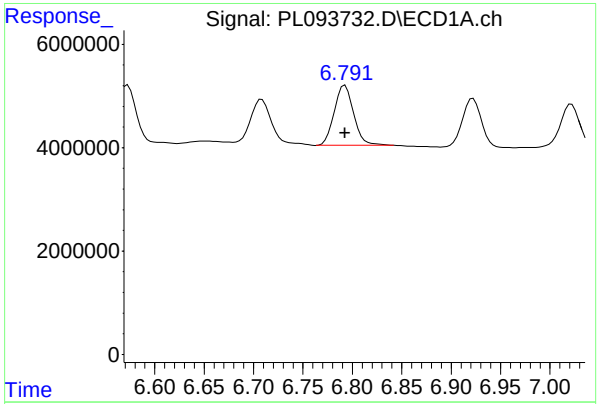
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 15009439
Conc: 6.40 ng/ml



#14 Endrin

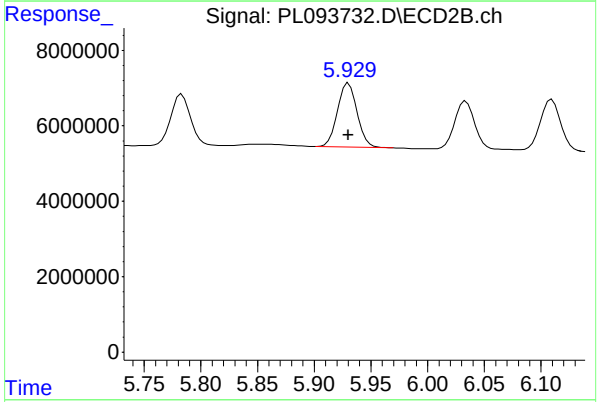
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

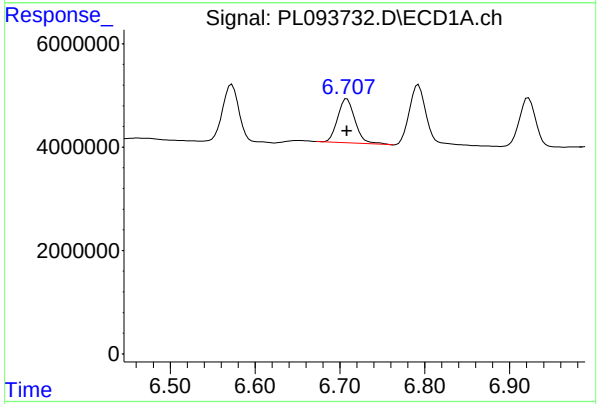
R.T.: 6.793 min
Delta R.T.: 0.000 mi
Response: 15801314
Conc: 6.56 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



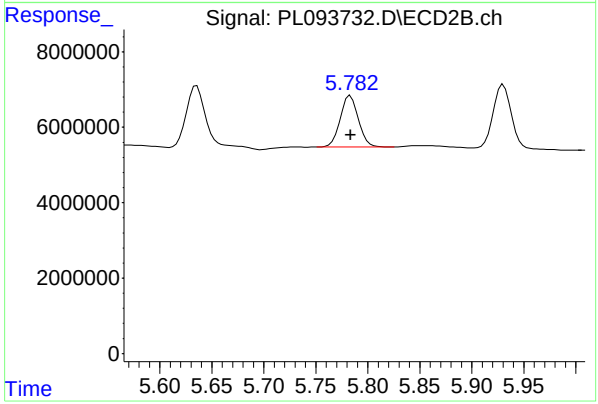
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 20403798
Conc: 5.51 ng/ml



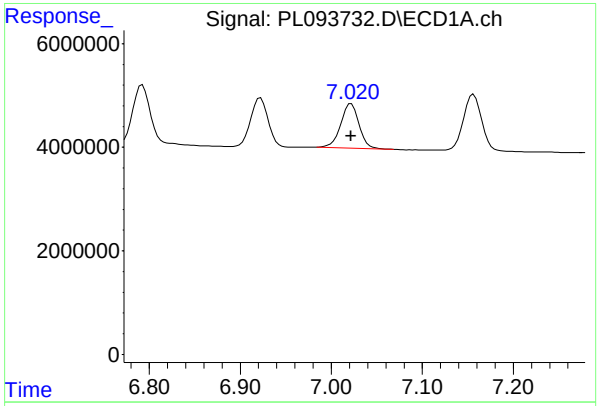
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 12134151
Conc: 6.38 ng/ml



#16 4,4'-DDD

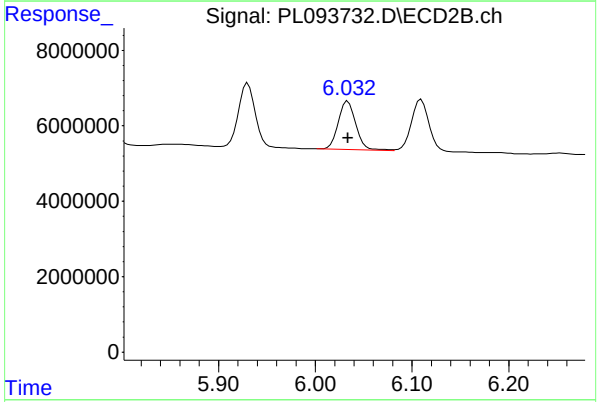
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

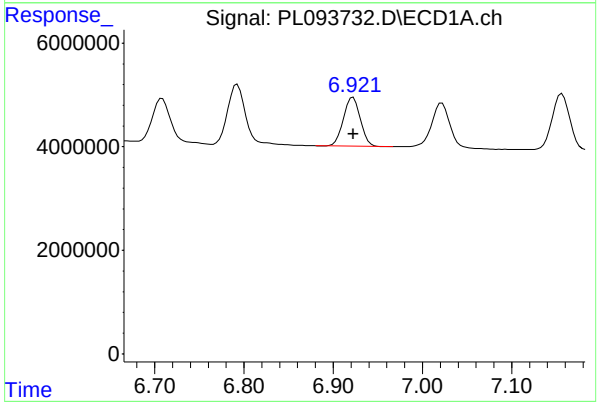
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



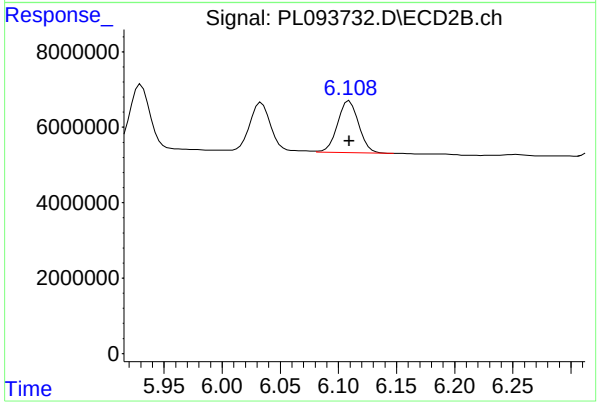
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 16163358
Conc: 4.97 ng/ml



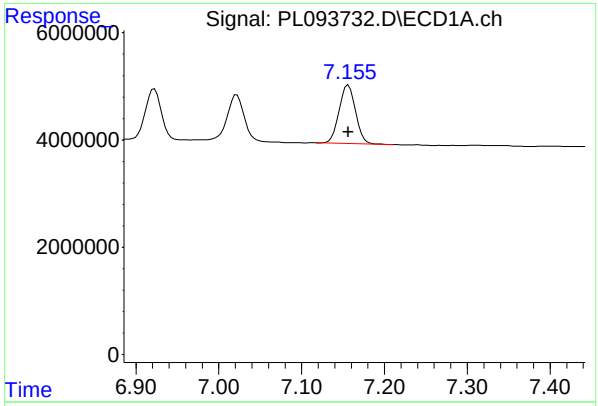
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 12477919
Conc: 6.42 ng/ml



#18 Endrin aldehyde

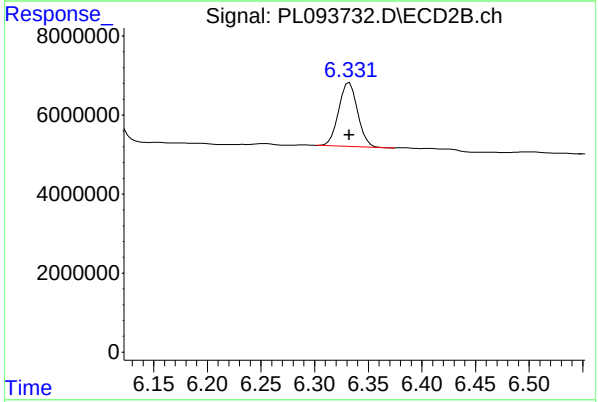
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

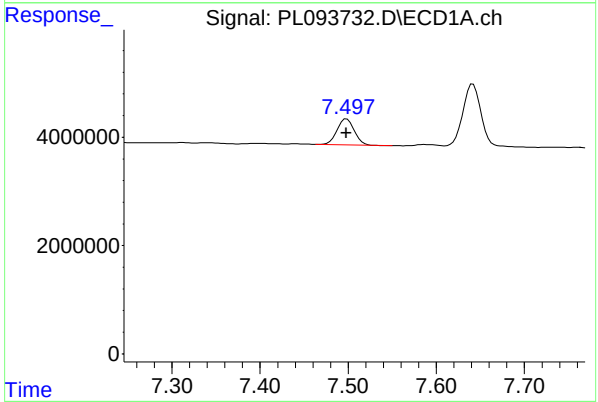
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



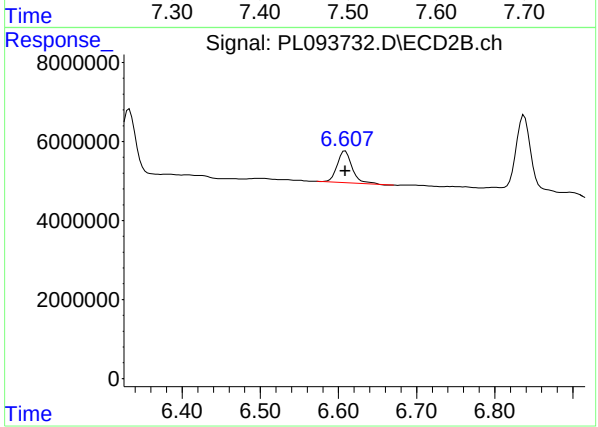
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 19816189
Conc: 5.56 ng/ml



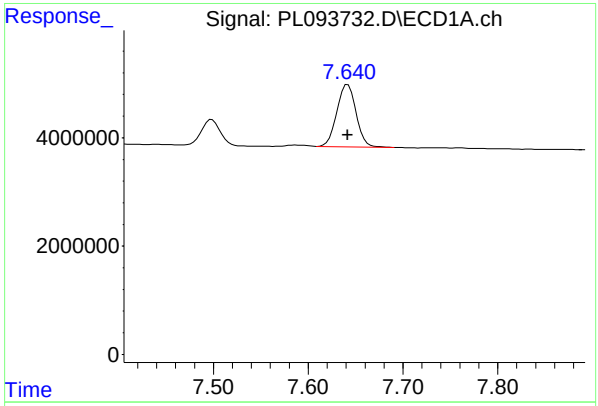
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 6435643
Conc: 6.17 ng/ml



#20 Methoxychlor

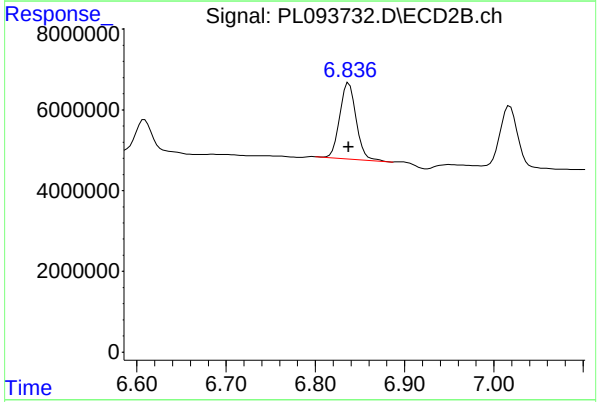
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

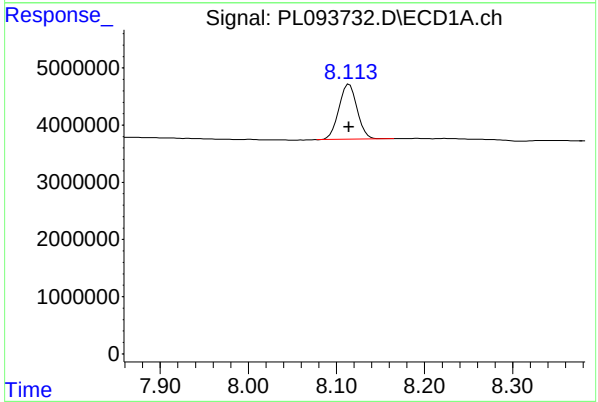
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 16285626
Conc: 6.46 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



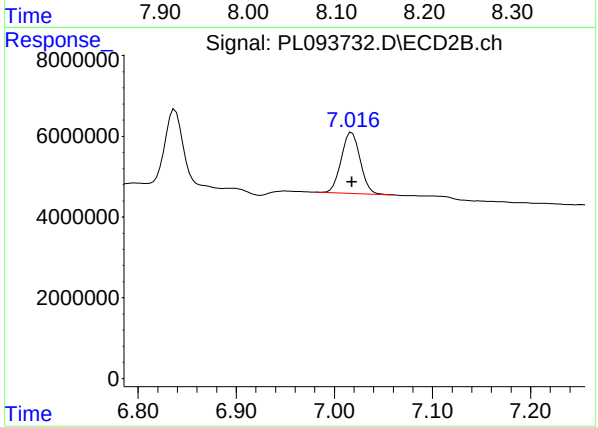
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 24108712
Conc: 5.75 ng/ml



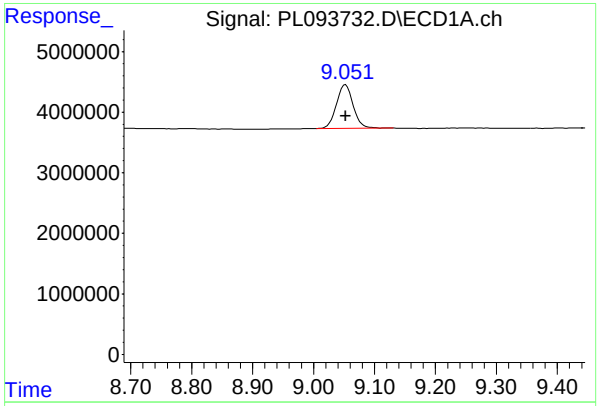
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 13884960
Conc: 6.67 ng/ml



#22 Mirex

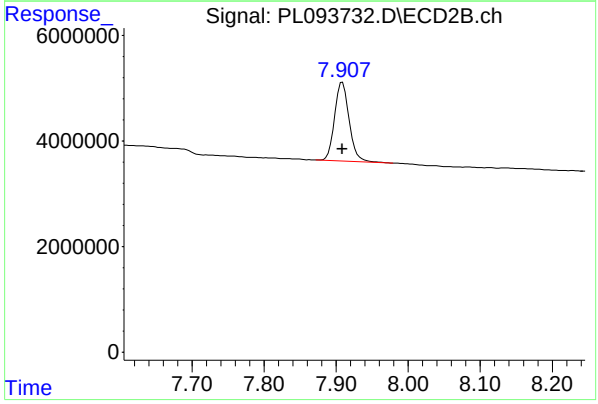
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 13789093
Conc: 6.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 20761045
Conc: 5.92 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
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: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.773	118.0E6	178.8E6	50.000	50.000
28)	SA Decachlor...	9.053	7.909	91356144	160.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.700	3.771	55335446	61106259	500.000	500.000
24)	Chlordane-2	5.229	4.347	55911116	70304921	500.000	500.000
25)	Chlordane-3	5.939	4.977	183.8E6	213.9E6	500.000	500.000
26)	Chlordane-4	6.021	5.039	220.6E6	206.1E6	500.000	500.000
27)	Chlordane-5	6.870	5.935	42155882	74355315	500.000	500.000

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

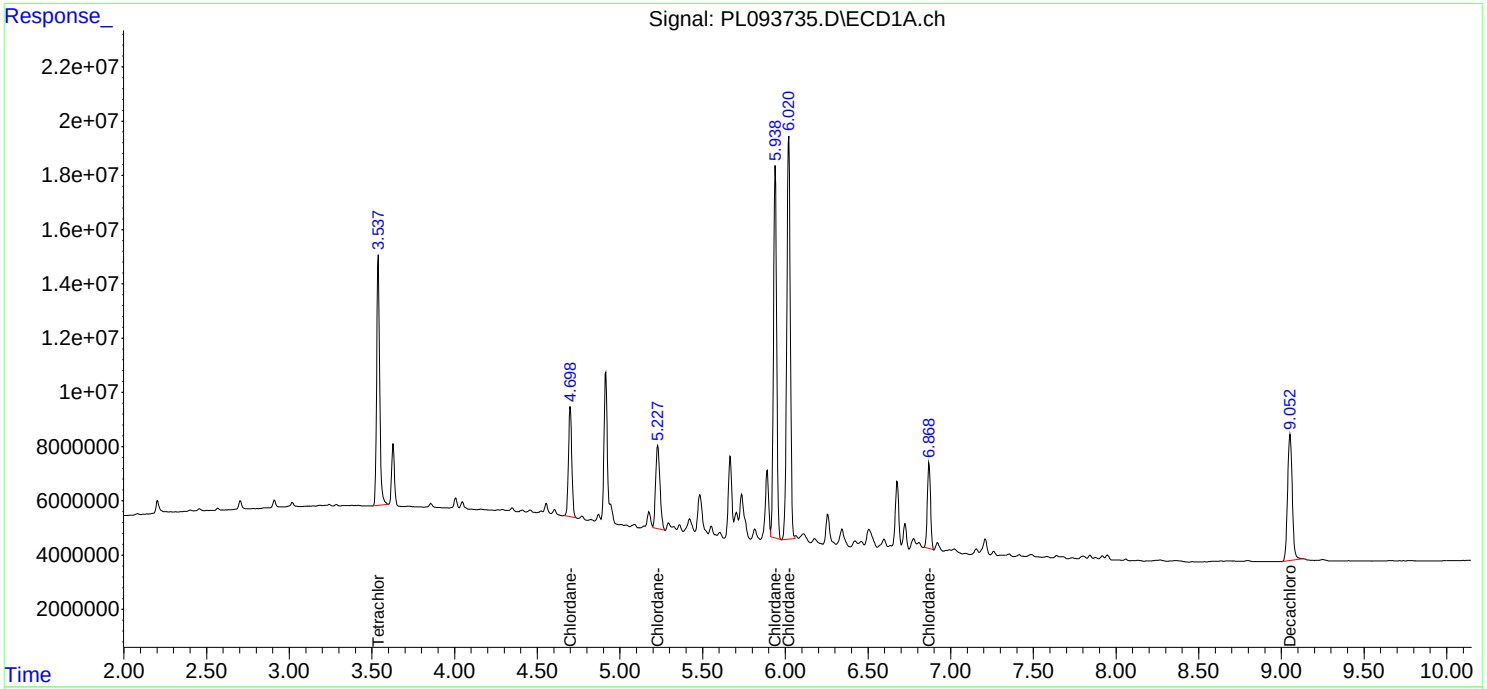
ICAL Form

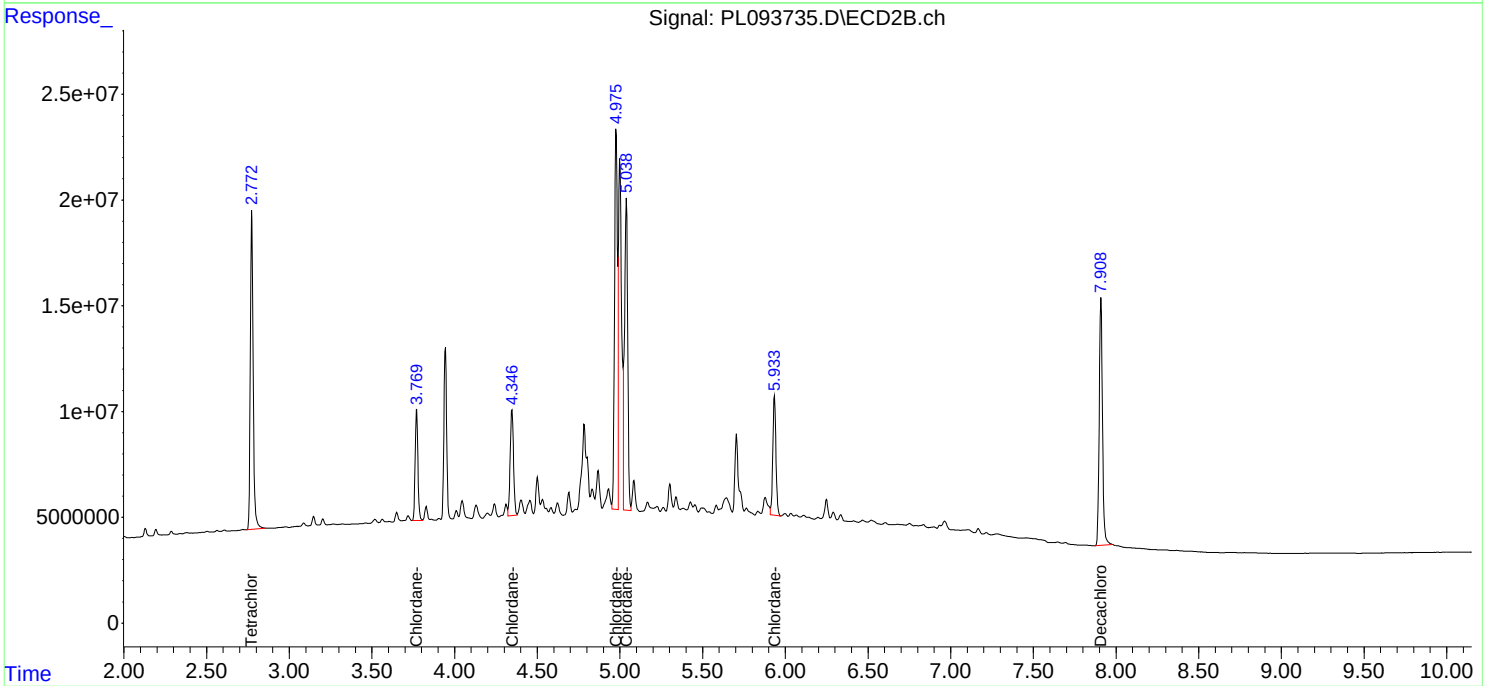
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

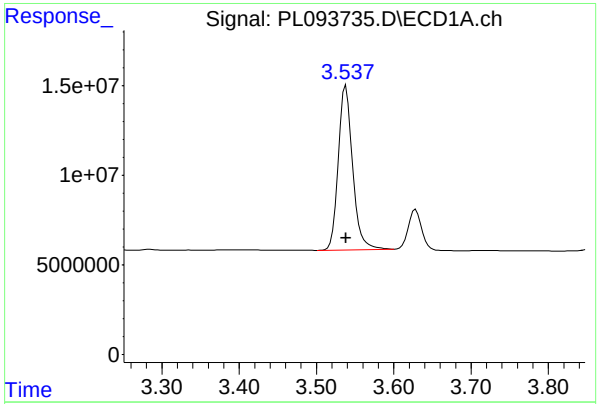
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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



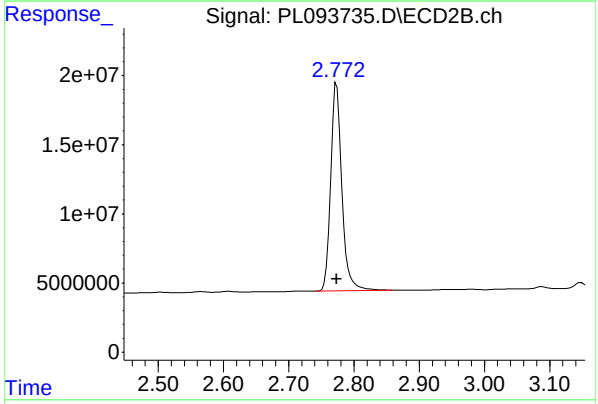




#1 Tetrachloro-m-xylene

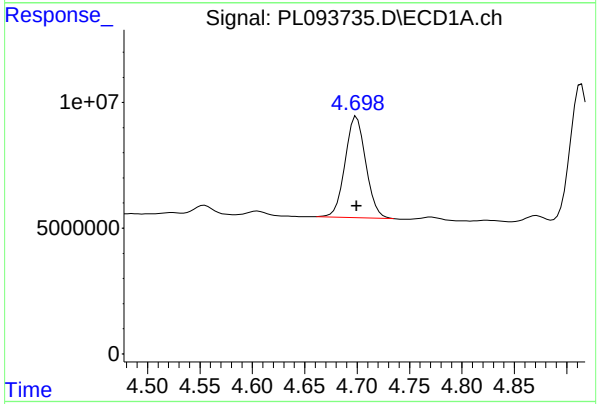
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



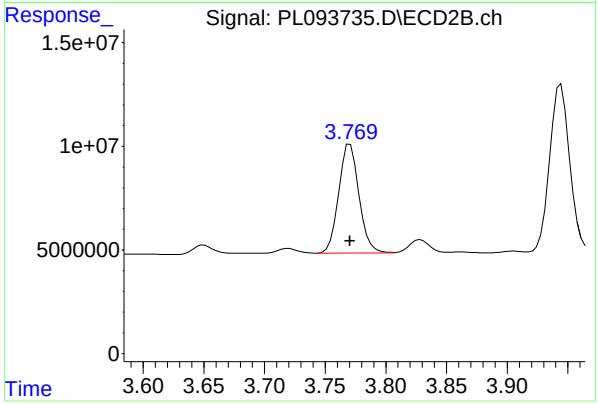
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 178786091
Conc: 50.00 ng/ml



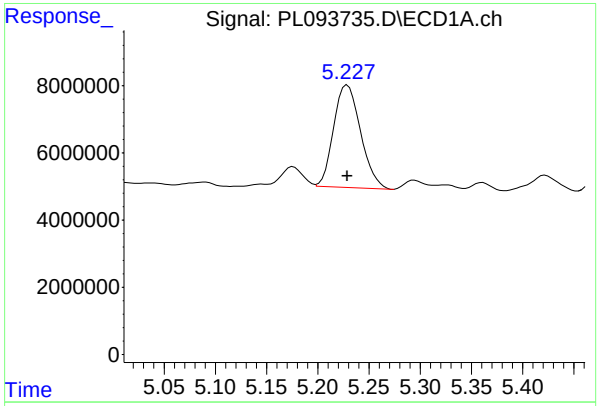
#23 Chlordane-1

R.T.: 4.700 min
Delta R.T.: 0.000 min
Response: 55335446
Conc: 500.00 ng/ml



#23 Chlordane-1

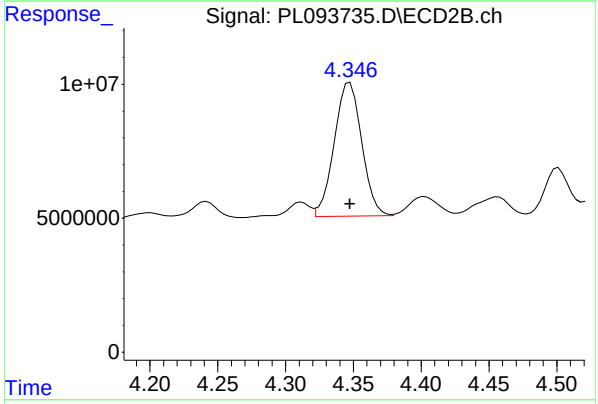
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

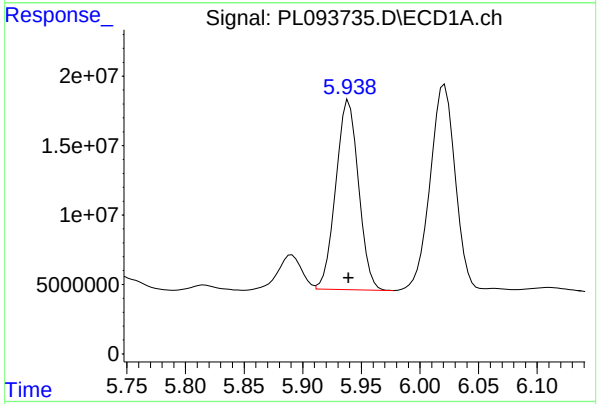
R.T.: 5.229 min
Delta R.T.: 0.000 mi
Response: 55911116
Conc: 500.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



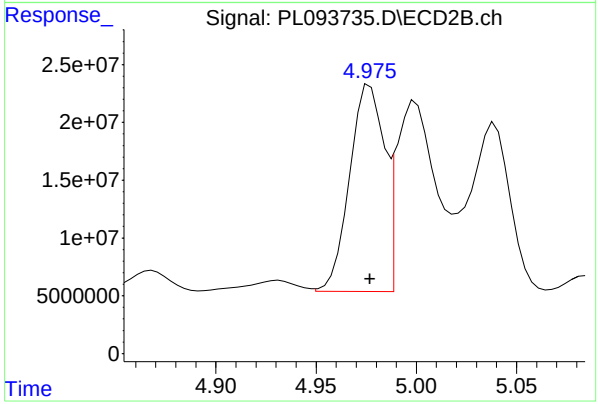
#24 Chlordane-2

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 70304921
Conc: 500.00 ng/ml



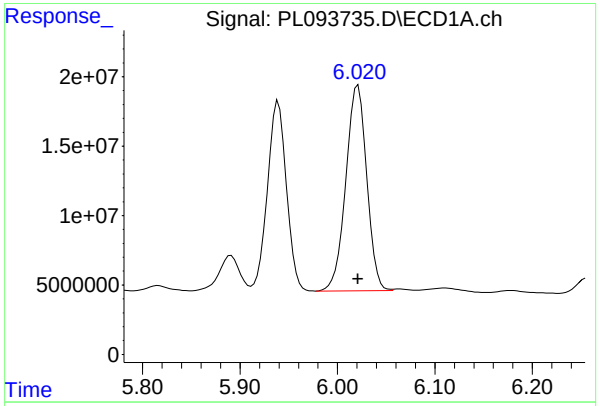
#25 Chlordane-3

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 183782045
Conc: 500.00 ng/ml



#25 Chlordane-3

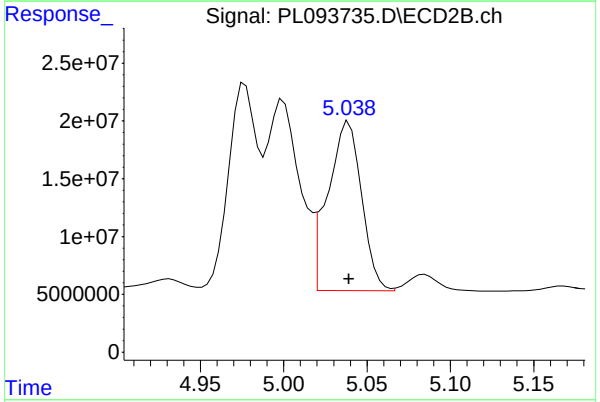
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

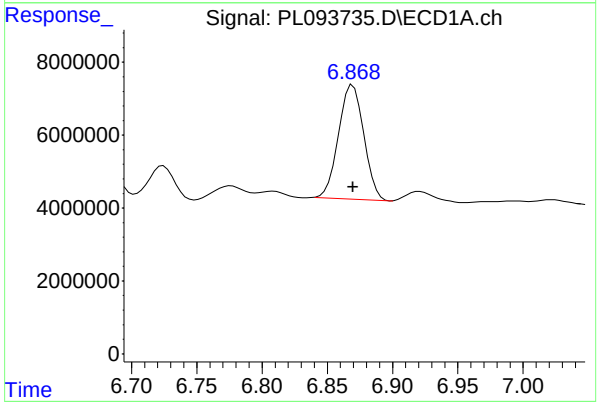
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



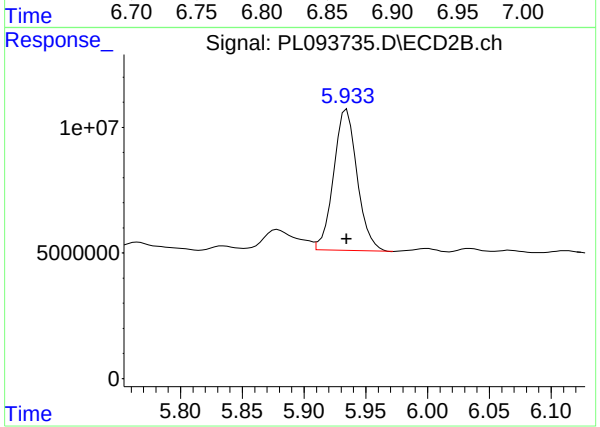
#26 Chlordane-4

R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 206126766
Conc: 500.00 ng/ml



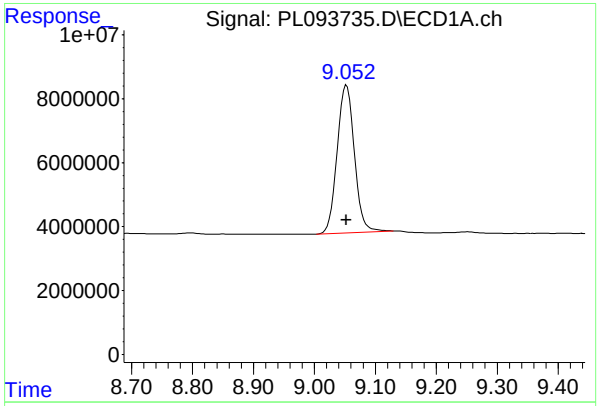
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 42155882
Conc: 500.00 ng/ml



#27 Chlordane-5

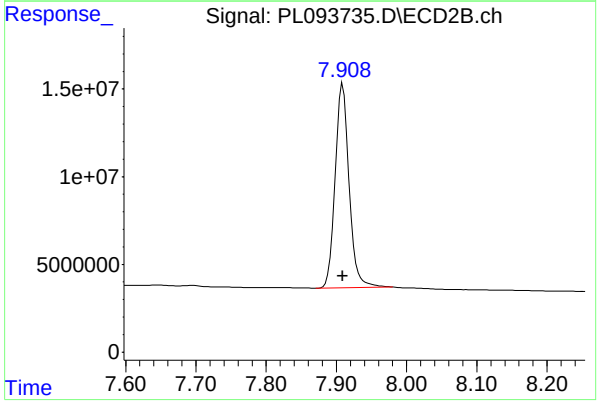
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 74355315
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 91356144
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 160259410
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
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: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	124.5E6	157.4E6	50.000	50.000
7) SA	Decachlor...	9.053	7.909	96684586	169.0E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.235	5.002	11722975	13528528	500.000	500.000
3)	Toxaphene-2	6.440	5.326	7383579	11973587	500.000	500.000
4)	Toxaphene-3	7.058	5.684	37947977	12363221	500.000	500.000
5)	Toxaphene-4	7.147	6.599	28672538	42493596	500.000	500.000
6)	Toxaphene-5	7.932	7.039	21533557	40119156	500.000	500.000

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

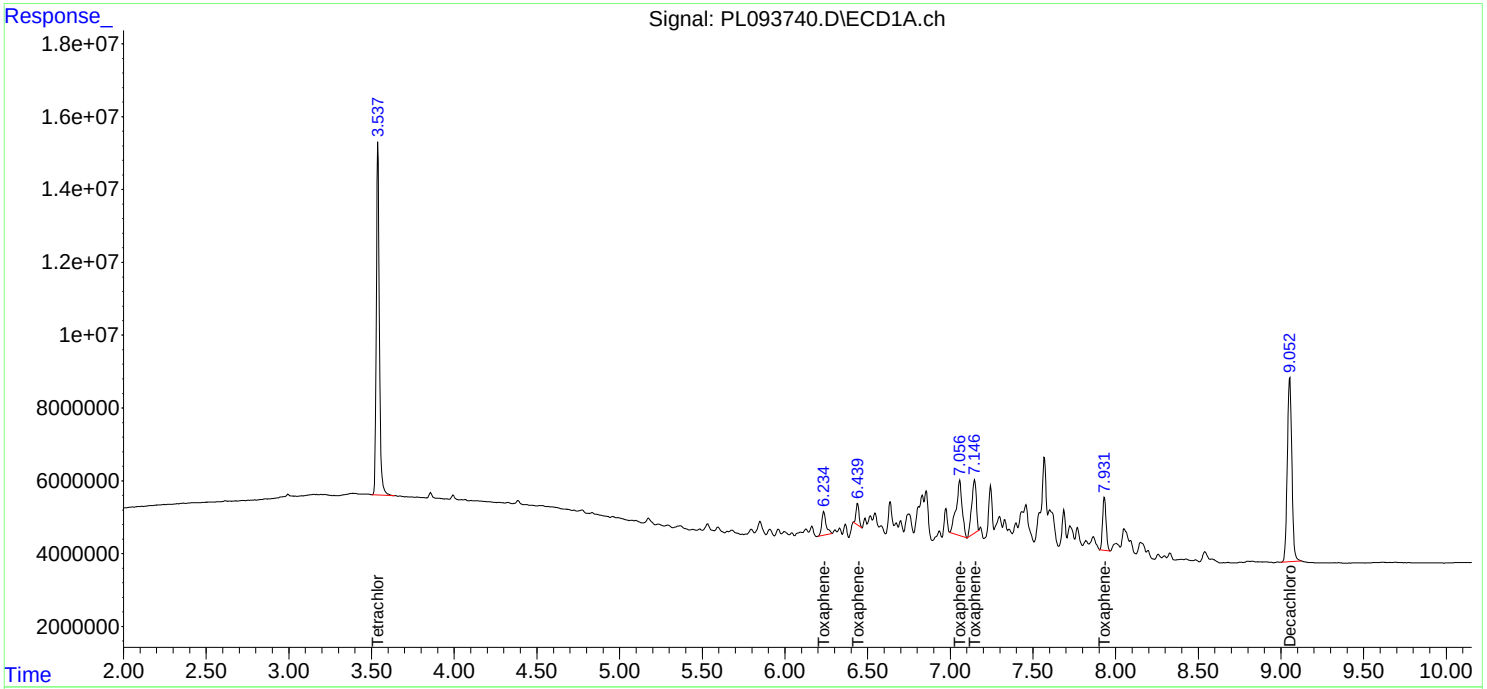
ICAL Form

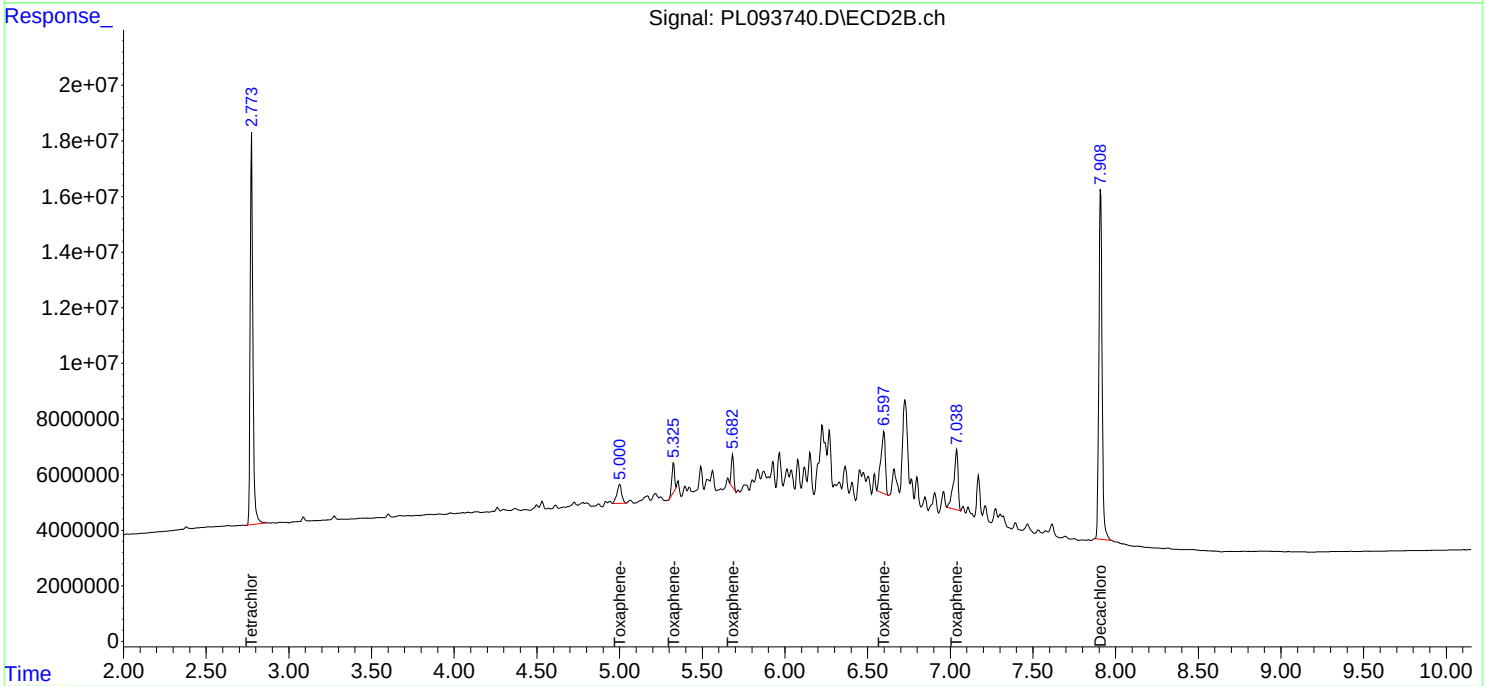
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

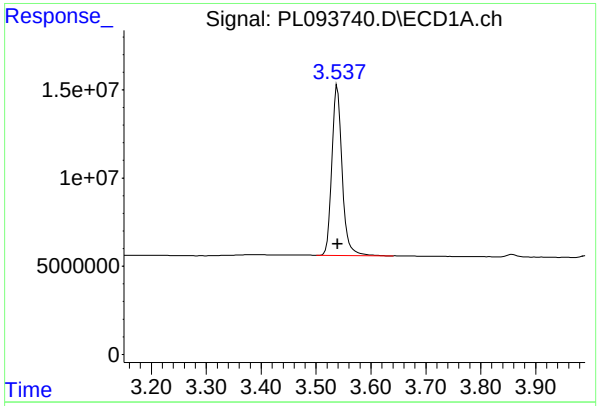
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



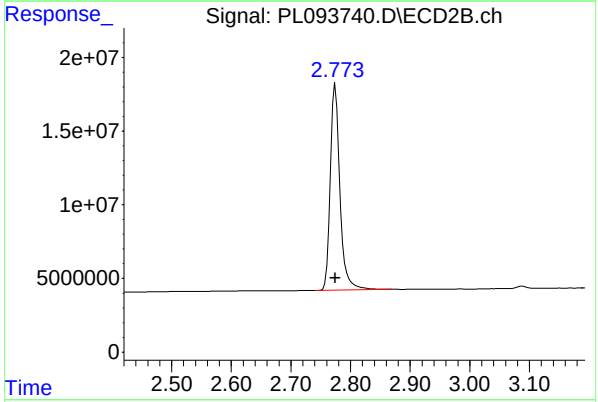




#1 Tetrachloro-m-xylene

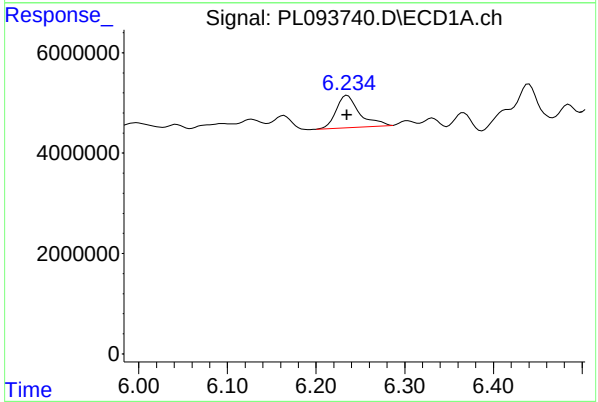
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



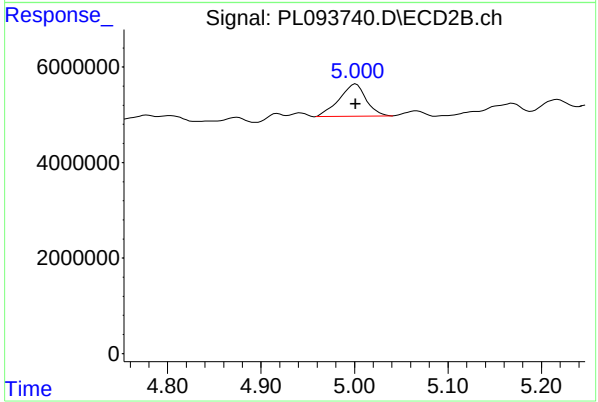
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 157364468
Conc: 50.00 ng/ml



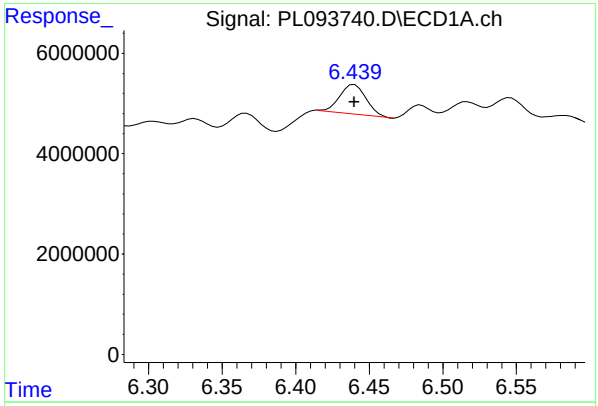
#2 Toxaphene-1

R.T.: 6.235 min
Delta R.T.: 0.000 min
Response: 11722975
Conc: 500.00 ng/ml



#2 Toxaphene-1

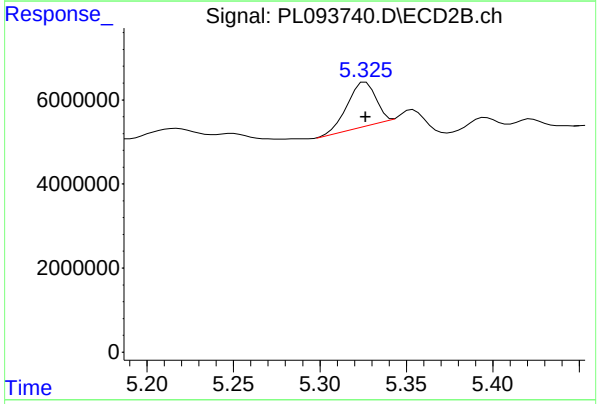
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

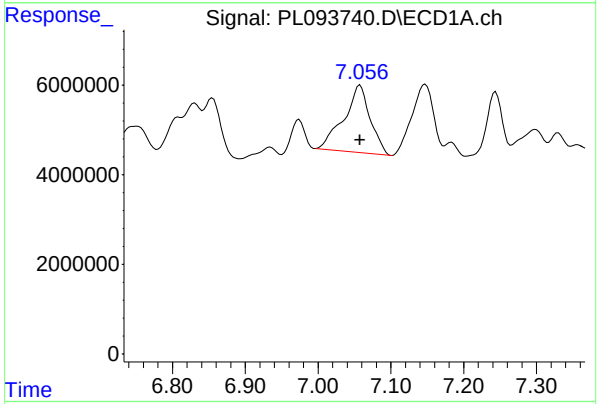
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



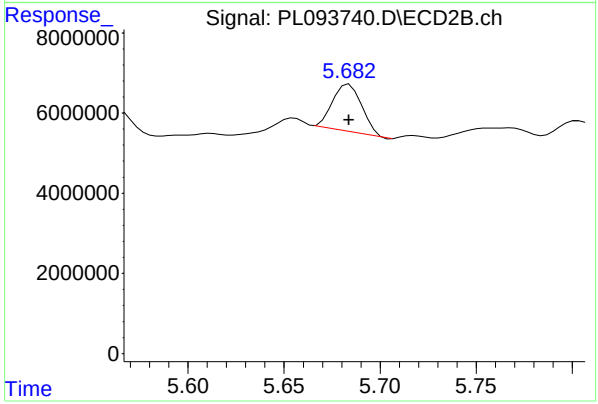
#3 Toxaphene-2

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 11973587
Conc: 500.00 ng/ml



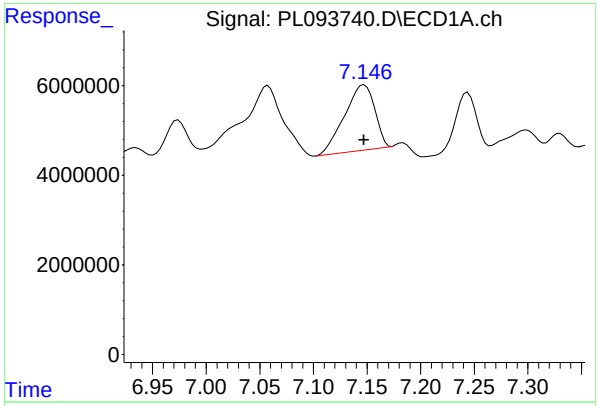
#4 Toxaphene-3

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 37947977
Conc: 500.00 ng/ml



#4 Toxaphene-3

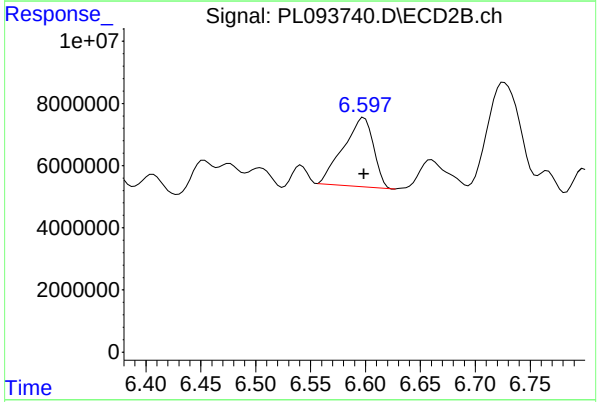
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

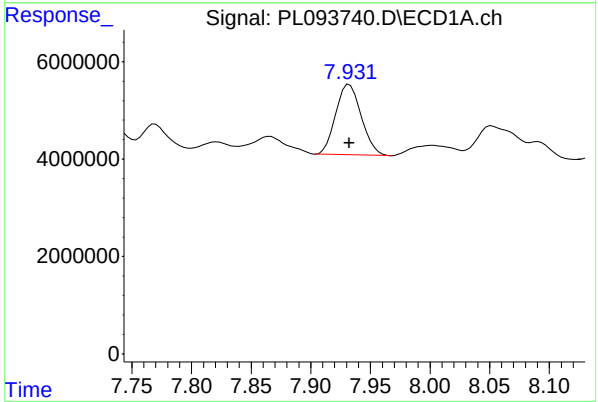
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



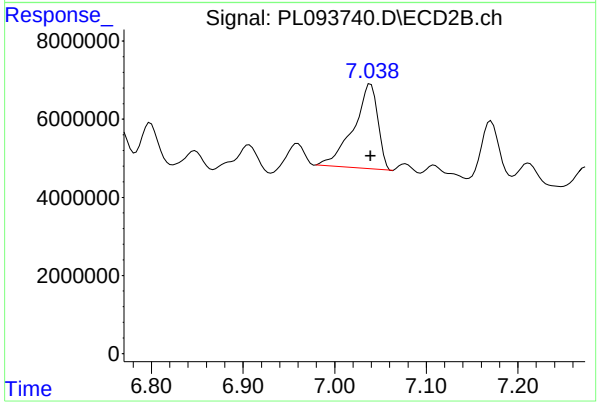
#5 Toxaphene-4

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 42493596
Conc: 500.00 ng/ml



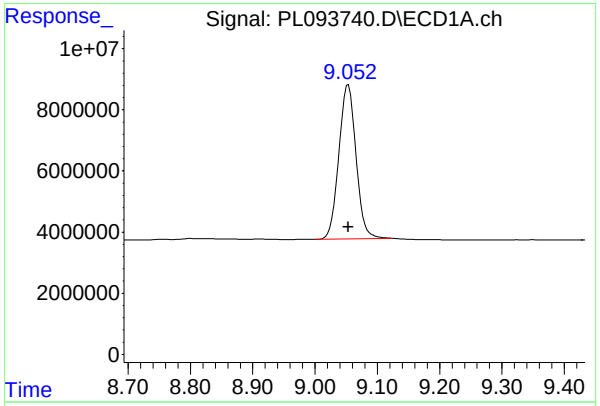
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 21533557
Conc: 500.00 ng/ml



#6 Toxaphene-5

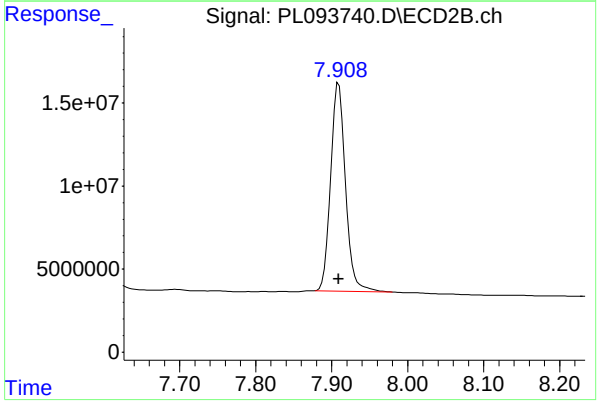
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 96684586
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 169042393
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL012125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	141.2E6	176.6E6	52.434	54.093
28) SA	Decachlor...	9.054	7.910	108.7E6	190.8E6	51.975	54.460
	Target Compounds						
2) A	alpha-BHC	3.995	3.277	200.6E6	269.7E6	52.316	55.168
3) MA	gamma-BHC...	4.327	3.607	192.5E6	260.8E6	52.258	55.000
4) MA	Heptachlor	4.915	3.945	166.4E6	253.0E6	50.760	54.351
5) MB	Aldrin	5.256	4.225	167.1E6	250.6E6	51.084	54.939
6) B	beta-BHC	4.525	3.907	81194319	107.5E6	50.515	53.798
7) B	delta-BHC	4.772	4.135	181.5E6	260.8E6	51.768	54.892
8) B	Heptachlo...	5.683	4.727	150.9E6	228.4E6	50.731	54.639
9) A	Endosulfan I	6.068	5.096	134.8E6	212.0E6	51.009	54.694
10) B	gamma-Chl...	5.938	4.977	144.6E6	231.3E6	51.881	54.579
11) B	alpha-Chl...	6.017	5.041	143.8E6	228.4E6	51.572	54.561
12) B	4,4'-DDE	6.191	5.229	129.1E6	221.4E6	53.039	55.209
13) MA	Dieldrin	6.343	5.361	143.4E6	234.2E6	51.649	54.528
14) MA	Endrin	6.573	5.636	118.4E6	194.0E6	50.501	52.537
15) B	Endosulfa...	6.793	5.931	124.2E6	202.0E6	51.563	54.540
16) A	4,4'-DDD	6.709	5.785	101.9E6	178.4E6	53.599	56.515
17) MA	4,4'-DDT	7.023	6.035	104.2E6	181.3E6	52.862	55.711
18) B	Endrin al...	6.923	6.111	101.8E6	165.3E6	52.345	54.299
19) B	Endosulfa...	7.158	6.333	115.9E6	193.8E6	51.182	54.342
20) A	Methoxychlor	7.499	6.610	56233890	95758805	53.895	53.552
21) B	Endrin ke...	7.642	6.838	132.2E6	231.2E6	52.424	55.120
22)	Mirex	8.115	7.019	106.9E6	182.6E6	51.338	54.005

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

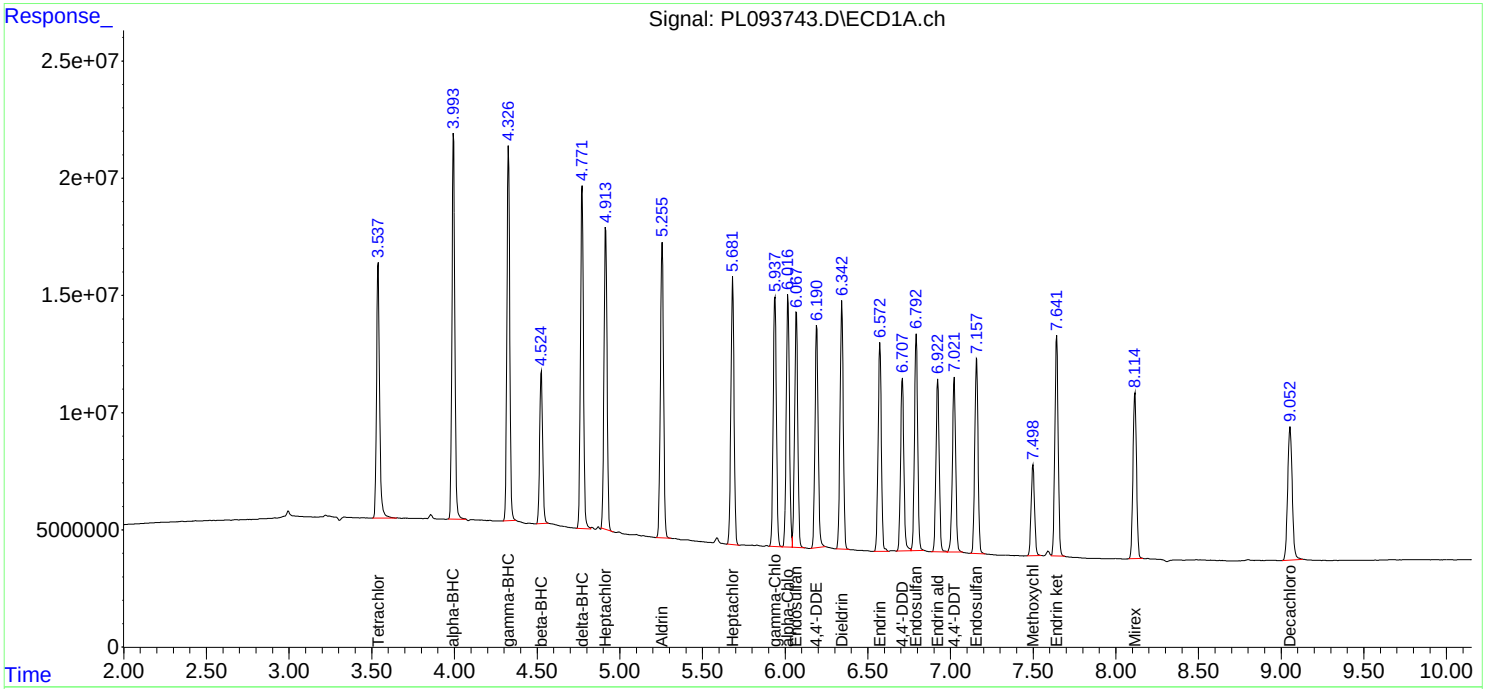
ICAL Form

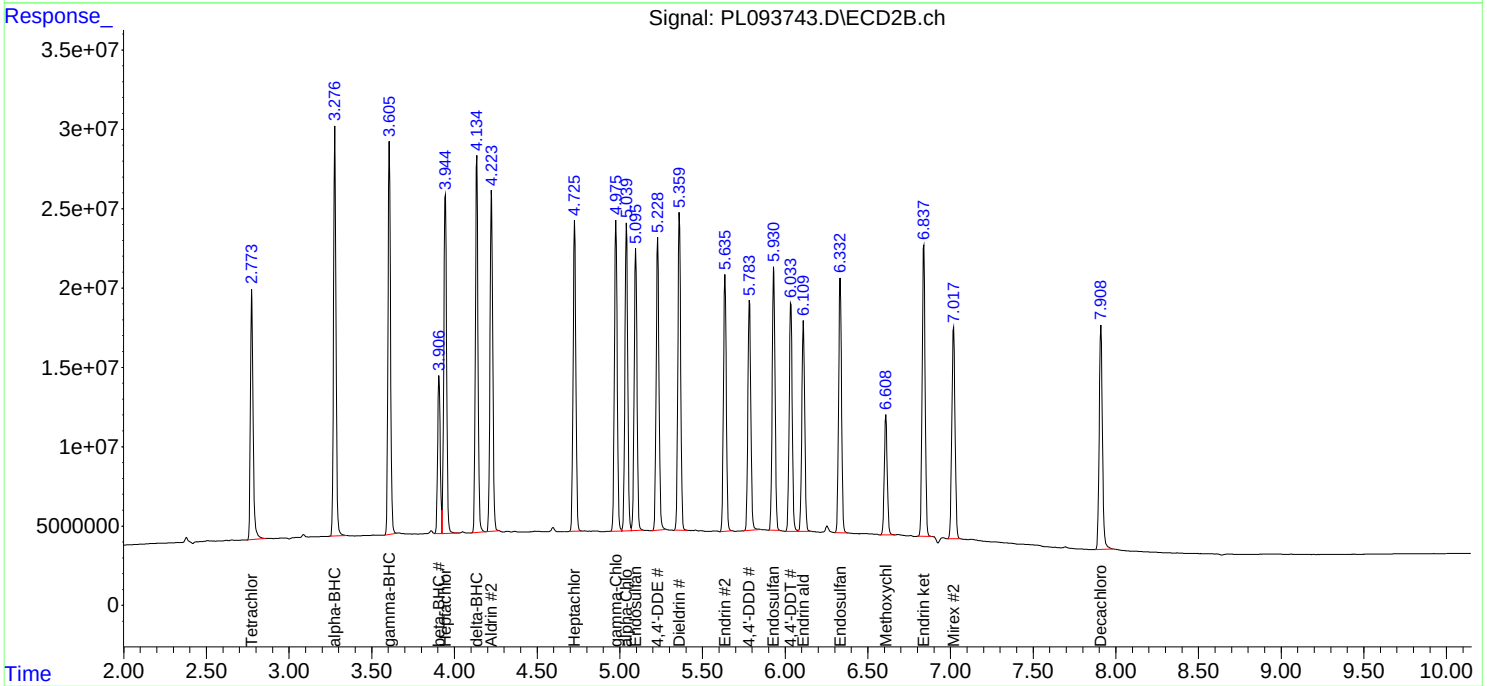
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

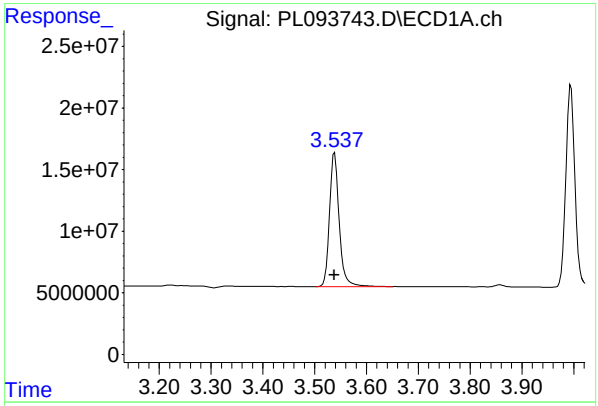
Instrument :
ECD_L
ClientSampleId :
ICVPL012125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



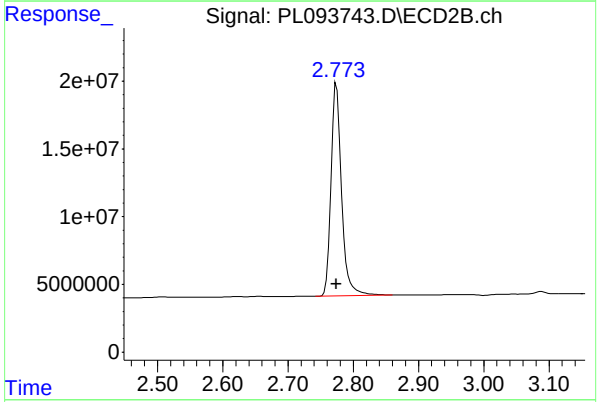




#1 Tetrachloro-m-xylene

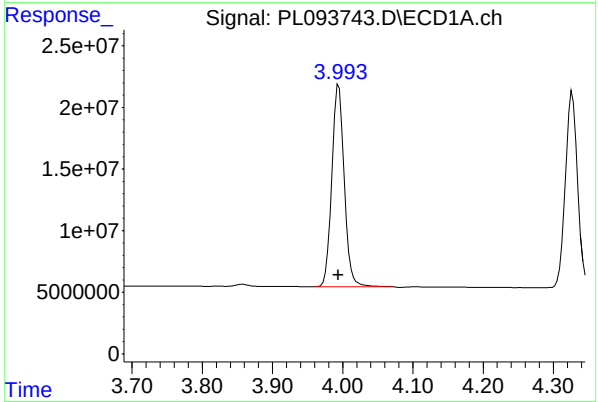
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



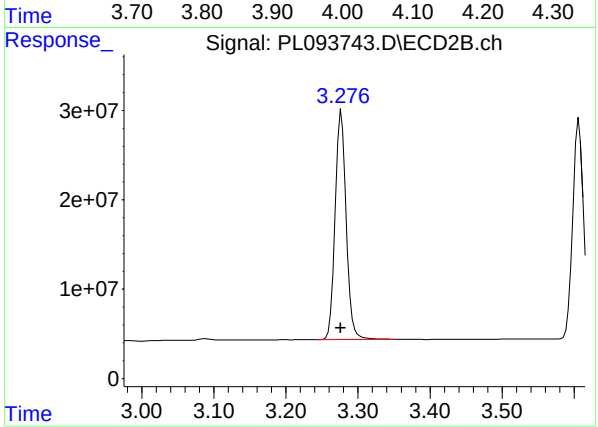
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 176566835
Conc: 54.09 ng/ml



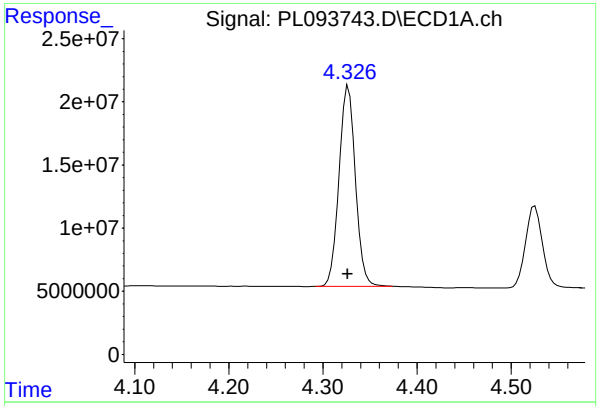
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 200569905
Conc: 52.32 ng/ml



#2 alpha-BHC

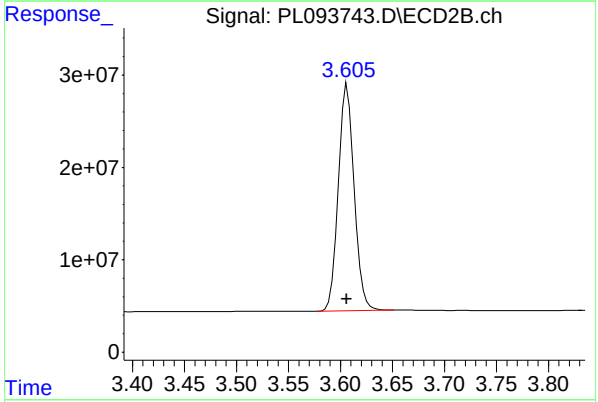
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

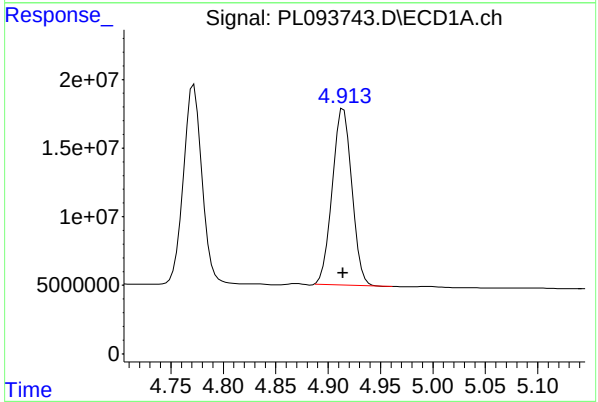
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



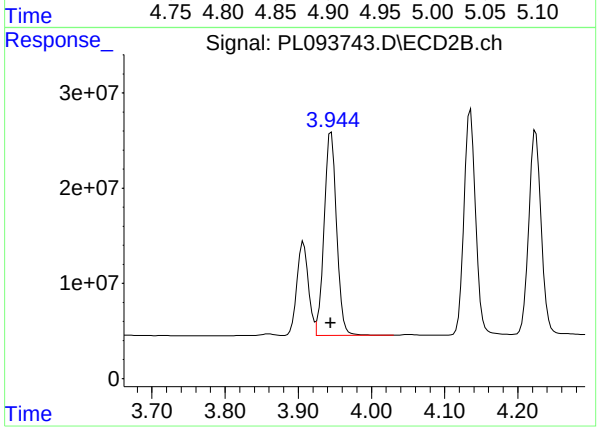
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 260765963
Conc: 55.00 ng/ml



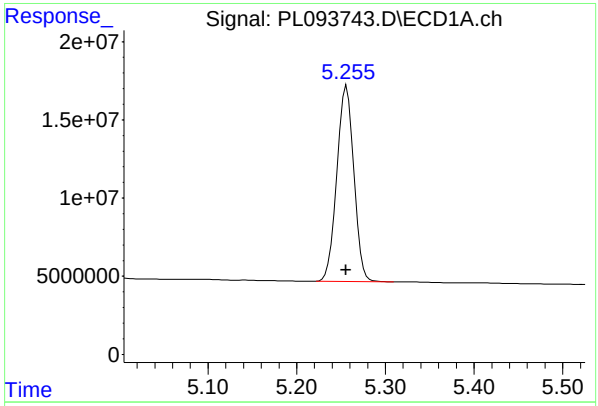
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 166357805
Conc: 50.76 ng/ml



#4 Heptachlor

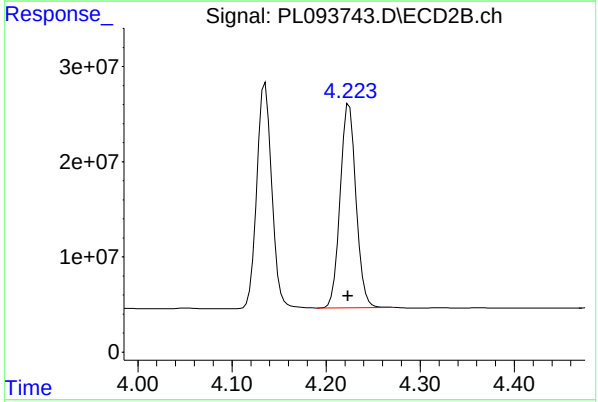
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

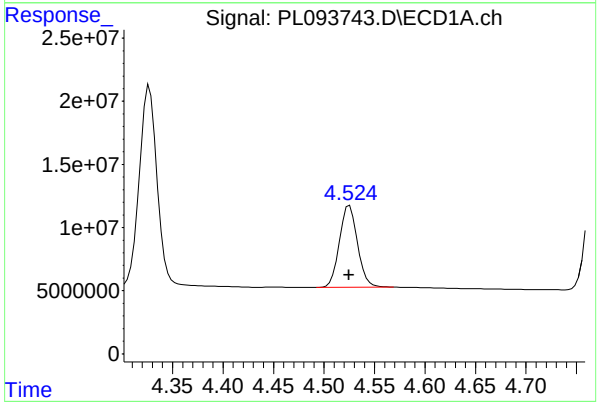
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



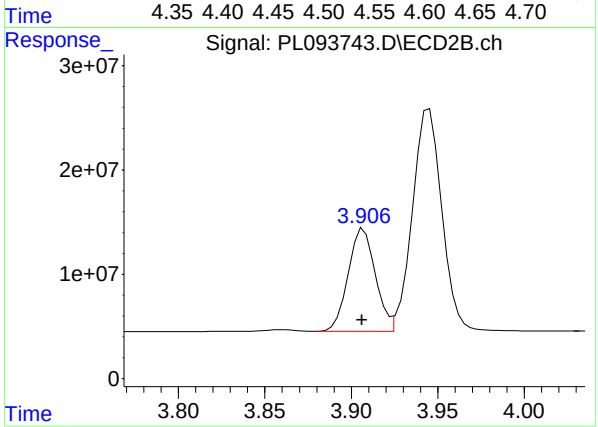
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.001 min
Response: 250621610
Conc: 54.94 ng/ml



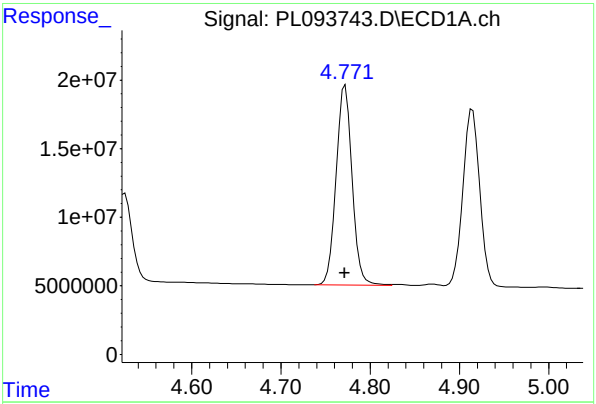
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81194319
Conc: 50.52 ng/ml



#6 beta-BHC

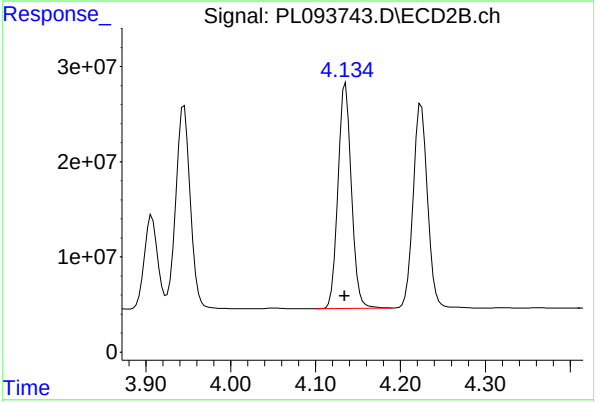
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

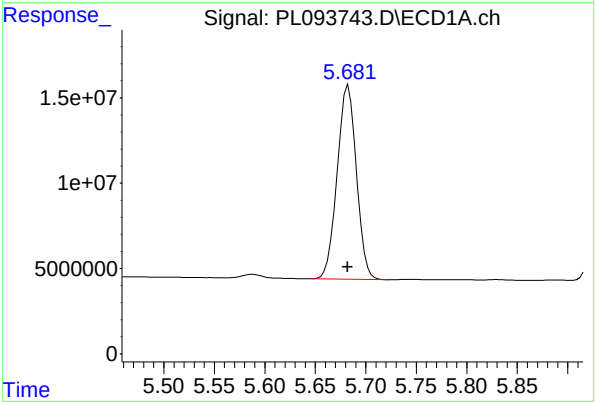
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



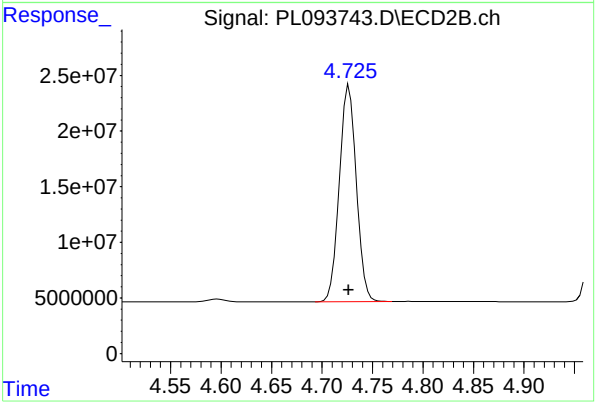
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 260806257
Conc: 54.89 ng/ml



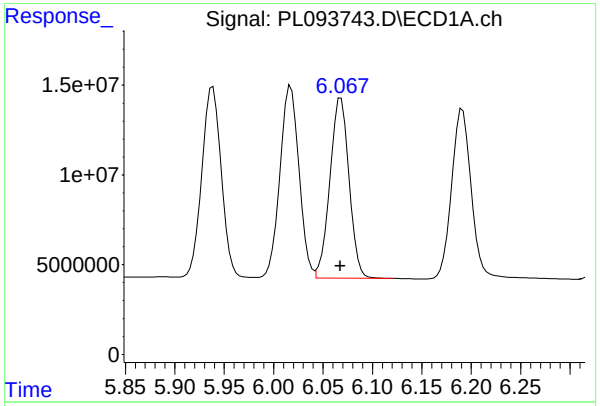
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 150865872
Conc: 50.73 ng/ml



#8 Heptachlor epoxide

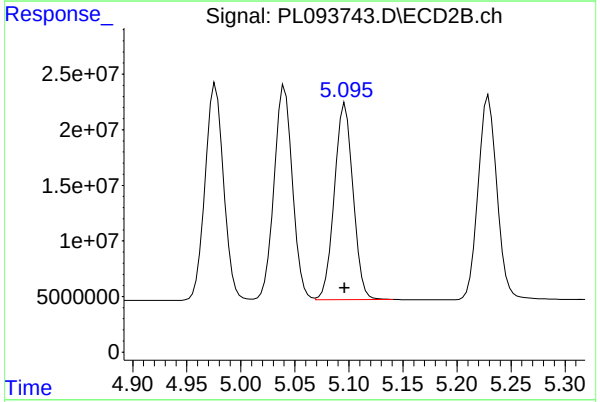
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

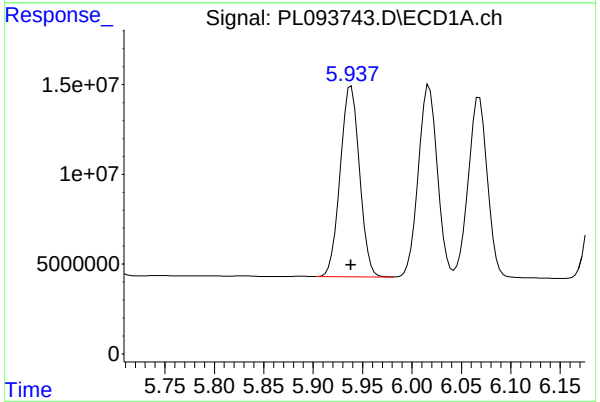
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



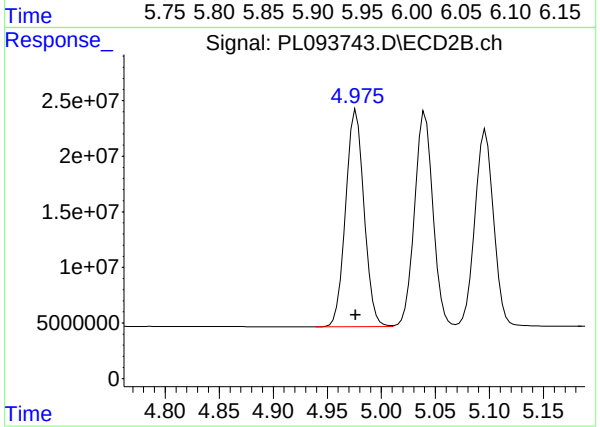
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 212043680
Conc: 54.69 ng/ml



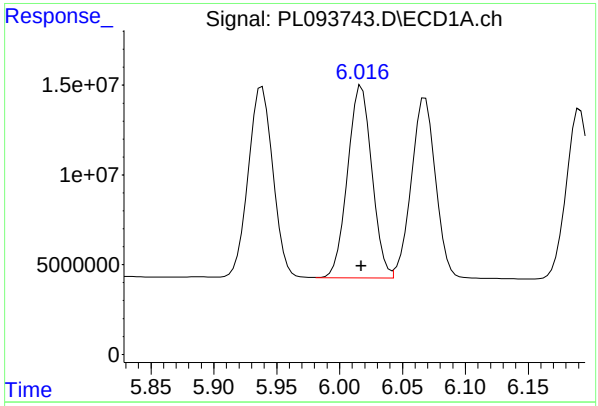
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 144611164
Conc: 51.88 ng/ml



#10 gamma-Chlordane

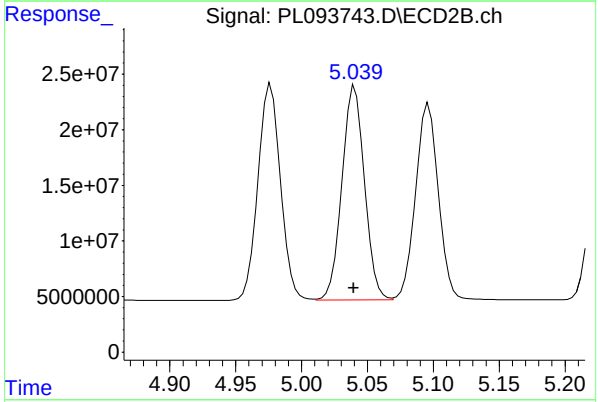
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

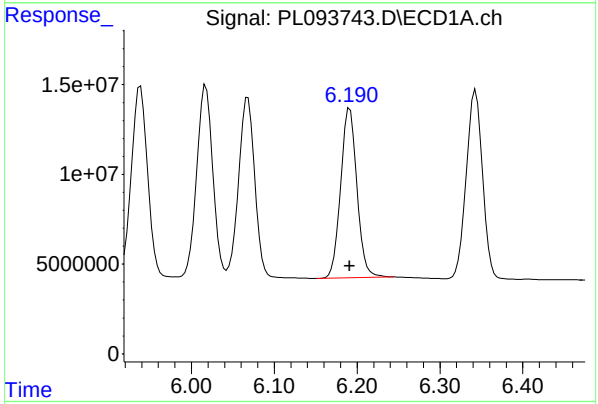
R.T.: 6.017 min
Delta R.T.: 0.000 mi
Response: 143803294
Conc: 51.57 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



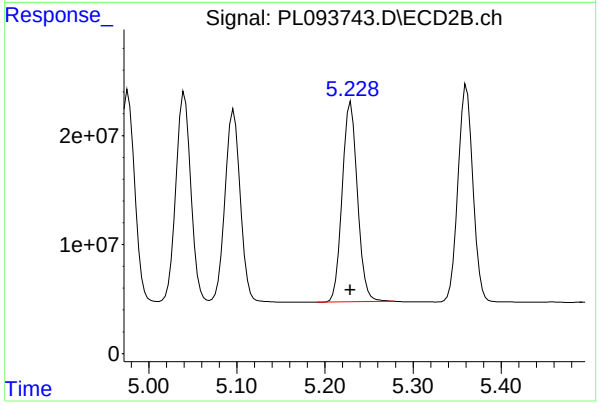
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.001 min
Response: 228422304
Conc: 54.56 ng/ml



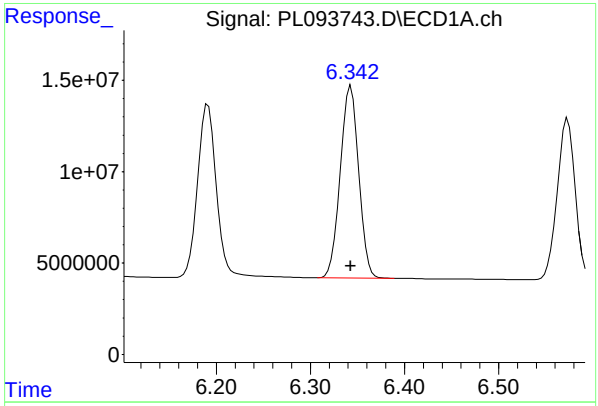
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 129128935
Conc: 53.04 ng/ml



#12 4,4'-DDE

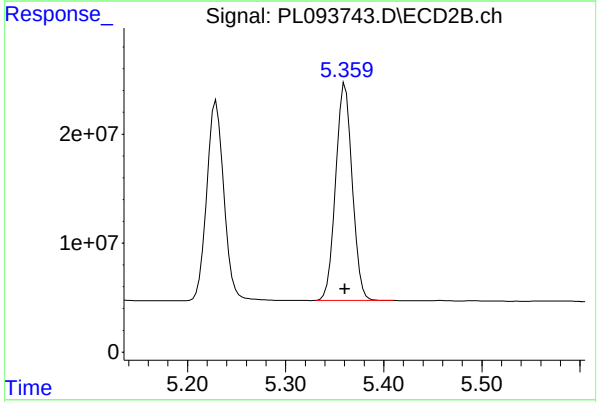
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

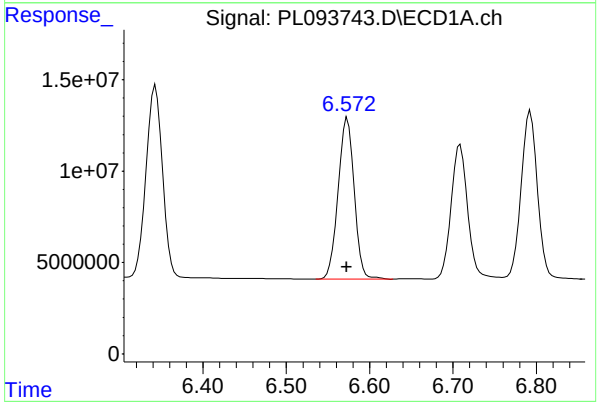
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



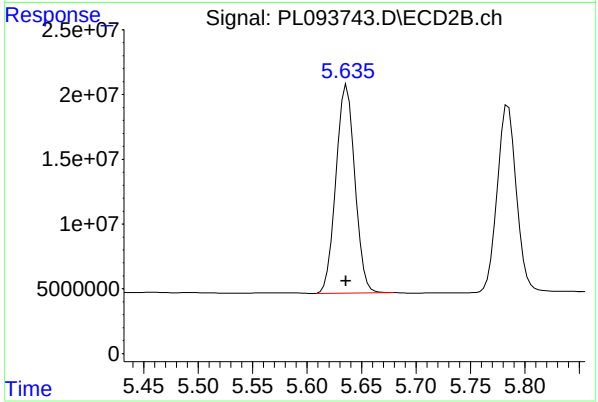
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 234235081
Conc: 54.53 ng/ml



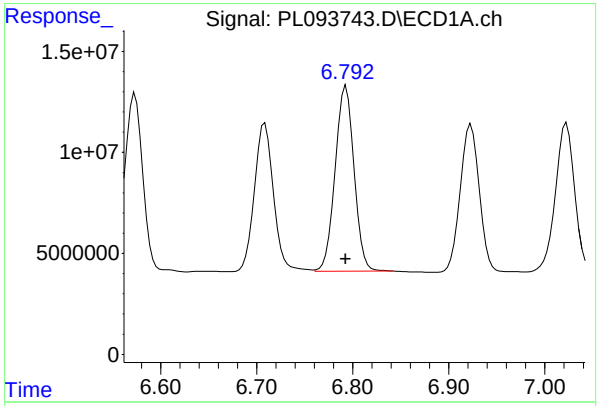
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118416700
Conc: 50.50 ng/ml



#14 Endrin

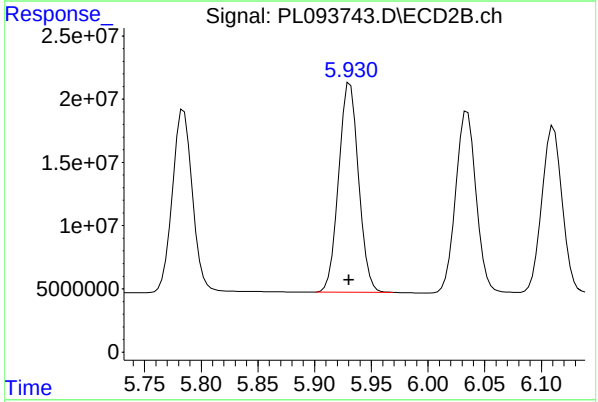
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

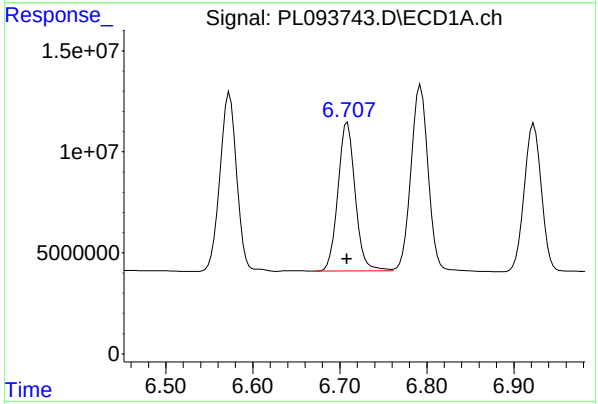
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



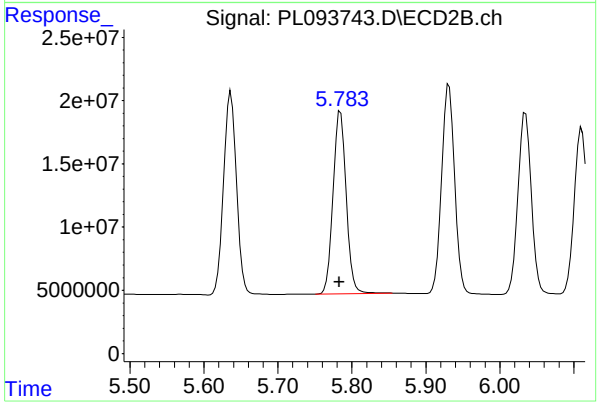
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 202005610
Conc: 54.54 ng/ml



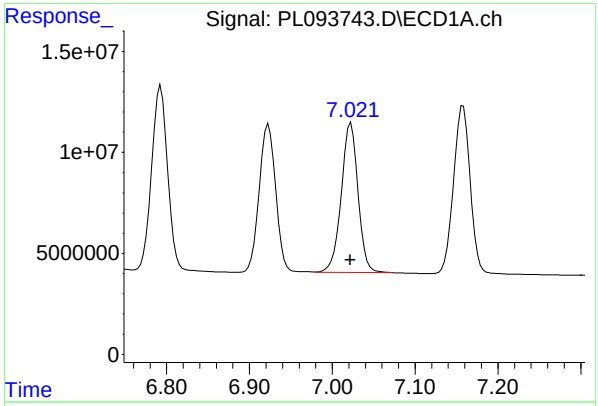
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 101868364
Conc: 53.60 ng/ml



#16 4,4'-DDD

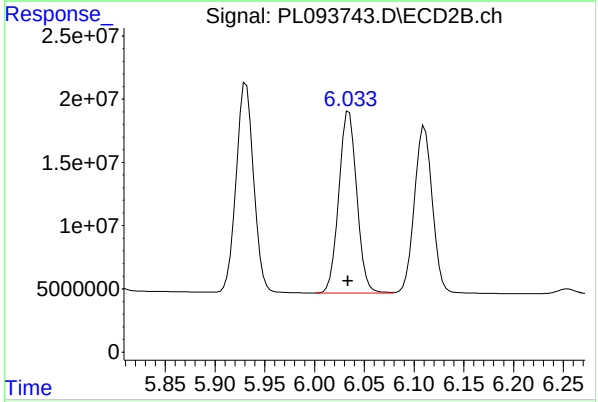
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

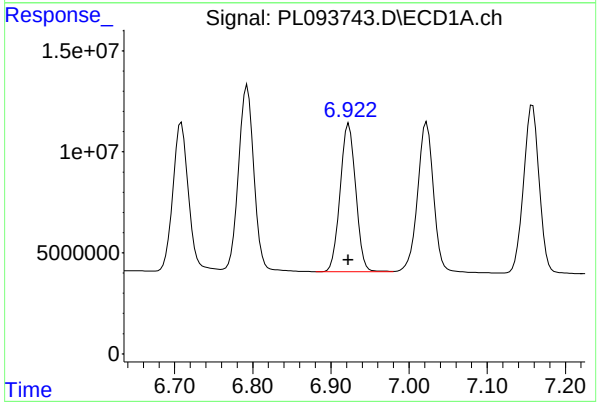
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



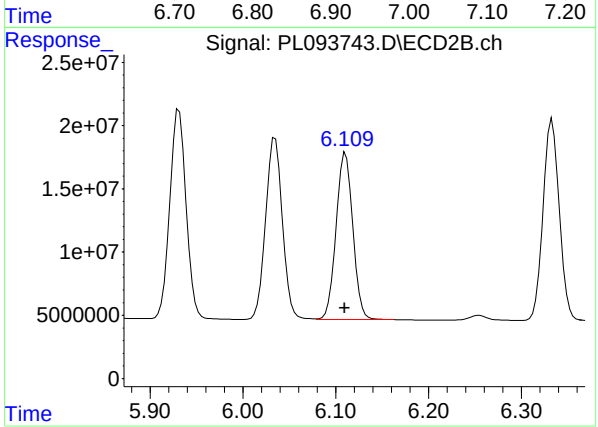
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 181287401
Conc: 55.71 ng/ml



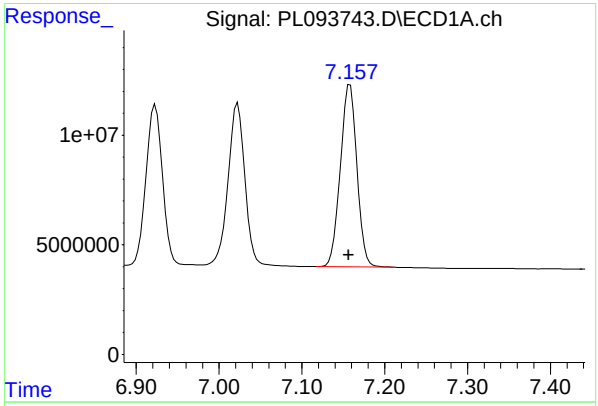
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 101761385
Conc: 52.34 ng/ml



#18 Endrin aldehyde

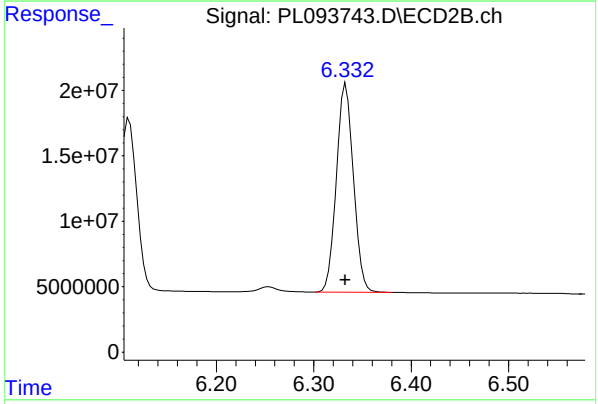
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

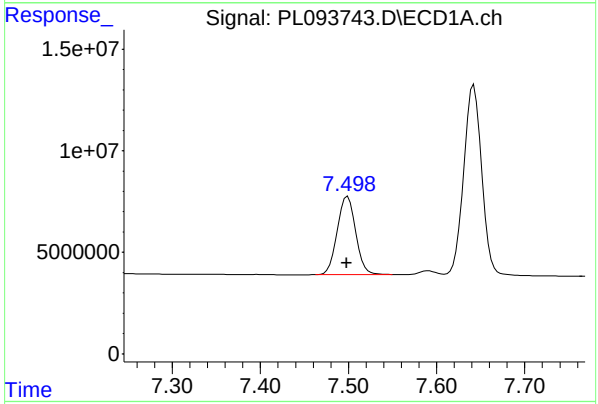
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



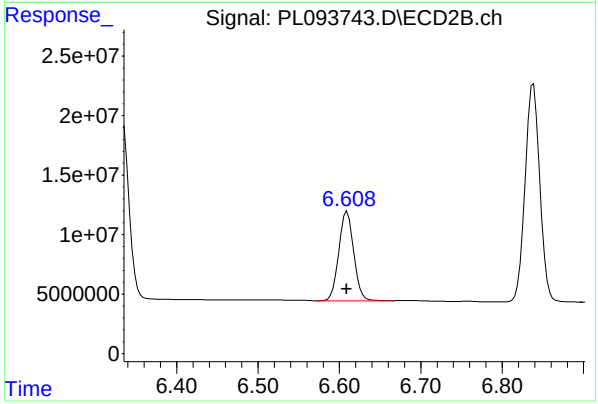
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 193788608
Conc: 54.34 ng/ml



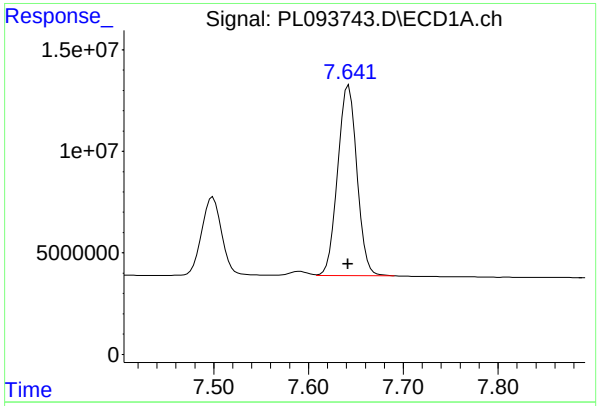
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 56233890
Conc: 53.90 ng/ml



#20 Methoxychlor

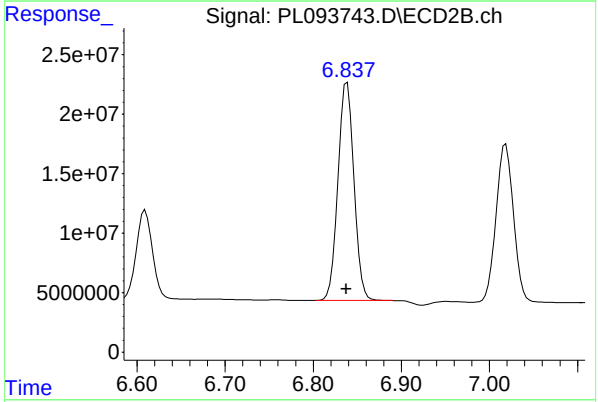
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

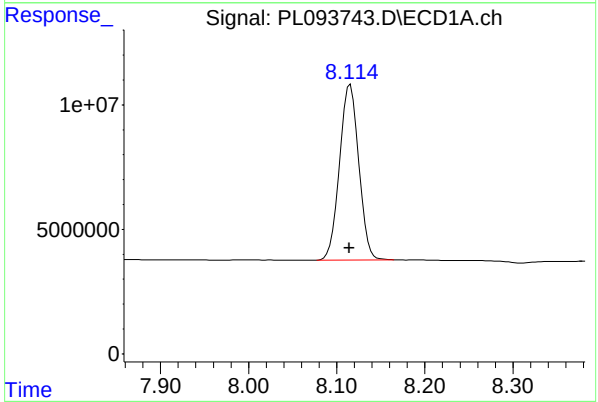
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 132246340
Conc: 52.42 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



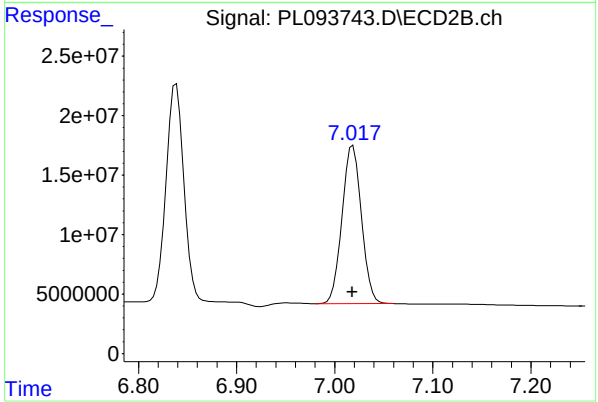
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 231241910
Conc: 55.12 ng/ml



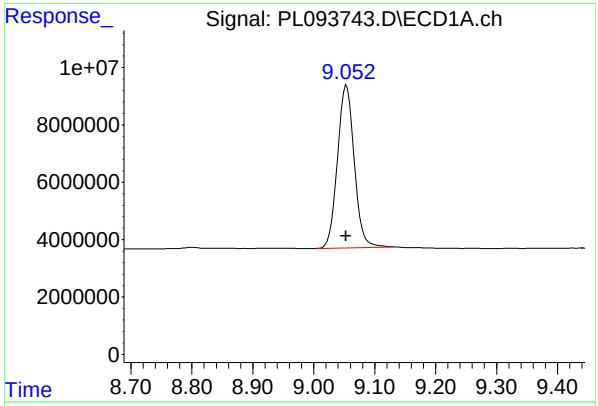
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 106911145
Conc: 51.34 ng/ml



#22 Mirex

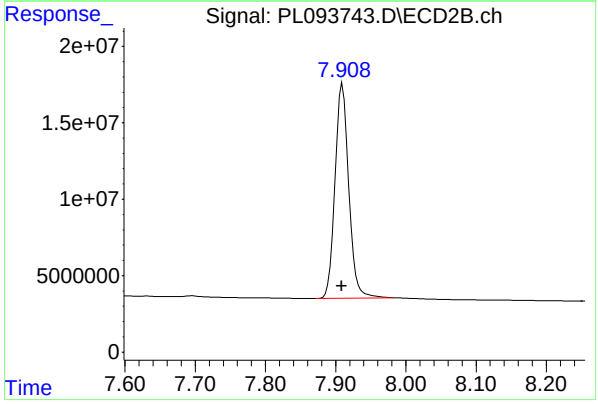
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 182637497
Conc: 54.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 108726317
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 190831116
Conc: 54.46 ng/ml

Raw Data: **PL093906.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	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	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL093906.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL093906.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093906.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.608	6.808	51.280	50.000	2.6
4,4'-DDE	6.190	6.091	6.291	47.710	50.000	-4.6
4,4'-DDT	7.021	6.922	7.122	43.720	50.000	-12.6
Aldrin	5.255	5.156	5.356	44.150	50.000	-11.7
alpha-BHC	3.993	3.895	4.095	45.670	50.000	-8.7
alpha-Chlordane	6.017	5.917	6.117	45.590	50.000	-8.8
beta-BHC	4.524	4.425	4.625	46.550	50.000	-6.9
Decachlorobiphenyl	9.053	8.953	9.153	45.970	50.000	-8.1
delta-BHC	4.771	4.672	4.872	45.080	50.000	-9.8
Dieldrin	6.343	6.243	6.443	44.310	50.000	-11.4
Endosulfan I	6.067	5.967	6.167	44.670	50.000	-10.7
Endosulfan II	6.792	6.692	6.892	44.900	50.000	-10.2
Endosulfan sulfate	7.157	7.057	7.257	44.430	50.000	-11.1
Endrin	6.571	6.472	6.672	41.650	50.000	-16.7
Endrin aldehyde	6.922	6.823	7.023	44.090	50.000	-11.8
Endrin ketone	7.642	7.542	7.742	45.310	50.000	-9.4
gamma-BHC (Lindane)	4.326	4.227	4.427	45.020	50.000	-10.0
gamma-Chlordane	5.937	5.838	6.038	46.090	50.000	-7.8
Heptachlor	4.914	4.814	5.014	45.190	50.000	-9.6
Heptachlor epoxide	5.681	5.582	5.782	43.240	50.000	-13.5
Methoxychlor	7.498	7.398	7.598	44.720	50.000	-10.6
Tetrachloro-m-xylene	3.537	3.439	3.639	45.460	50.000	-9.1

Raw Data: **PL093906.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093906.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.784	5.684	5.884	51.980	50.000	4.0
4,4'-DDE	5.229	5.130	5.330	49.710	50.000	-0.6
4,4'-DDT	6.034	5.934	6.134	43.660	50.000	-12.7
Aldrin	4.223	4.125	4.325	45.790	50.000	-8.4
alpha-BHC	3.276	3.177	3.377	47.430	50.000	-5.1
alpha-Chlordane	5.039	4.940	5.140	48.080	50.000	-3.8
beta-BHC	3.906	3.807	4.007	48.150	50.000	-3.7
Decachlorobiphenyl	7.909	7.810	8.010	45.120	50.000	-9.8
delta-BHC	4.134	4.036	4.236	46.050	50.000	-7.9
Dieldrin	5.360	5.261	5.461	46.390	50.000	-7.2
Endosulfan I	5.095	4.996	5.196	44.980	50.000	-10.0
Endosulfan II	5.931	5.831	6.031	46.350	50.000	-7.3
Endosulfan sulfate	6.333	6.233	6.433	45.570	50.000	-8.9
Endrin	5.635	5.536	5.736	44.130	50.000	-11.7
Endrin aldehyde	6.110	6.010	6.210	43.640	50.000	-12.7
Endrin ketone	6.837	6.739	6.939	45.440	50.000	-9.1
gamma-BHC (Lindane)	3.606	3.507	3.707	46.060	50.000	-7.9
gamma-Chlordane	4.976	4.877	5.077	48.720	50.000	-2.6
Heptachlor	3.944	3.845	4.045	45.820	50.000	-8.4
Heptachlor epoxide	4.726	4.627	4.827	46.510	50.000	-7.0
Methoxychlor	6.609	6.509	6.709	42.130	50.000	-15.7
Tetrachloro-m-xylene	2.774	2.674	2.874	46.540	50.000	-6.9

Quantitation Report (QT Reviewed)

Sample Results: **PL093906.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:36:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.537	2.774	122.4E6	151.9E6	45.458	46.540
28)	SA	Decachlor...	9.053	7.909	96155717	158.1E6	45.965	45.122
		Target Compounds						
2)	A	alpha-BHC	3.993	3.276	175.1E6	231.9E6	45.669	47.434
3)	MA	gamma-BHC...	4.326	3.606	165.8E6	218.4E6	45.024	46.058
4)	MA	Heptachlor	4.914	3.944	148.1E6	213.3E6	45.193	45.823
5)	MB	Aldrin	5.255	4.223	144.5E6	208.9E6	44.154	45.791
6)	B	beta-BHC	4.524	3.906	74823831	96172612	46.552	48.148
7)	B	delta-BHC	4.771	4.134	158.0E6	218.8E6	45.082	46.049
8)	B	Heptachlo...	5.681	4.726	128.6E6	194.4E6	43.240	46.510
9)	A	Endosulfan I	6.067	5.095	118.0E6	174.4E6	44.667	44.980
10)	B	gamma-Chl...	5.937	4.976	128.5E6	206.5E6	46.086	48.722
11)	B	alpha-Chl...	6.017	5.039	127.1E6	201.3E6	45.592	48.084
12)	B	4,4'-DDE	6.190	5.229	116.2E6	199.3E6	47.709	49.713
13)	MA	Dieldrin	6.343	5.360	123.0E6	199.3E6	44.310	46.393
14)	MA	Endrin	6.571	5.635	97668137	162.9E6	41.653m	44.126
15)	B	Endosulfa...	6.792	5.931	108.2E6	171.7E6	44.900	46.351
16)	A	4,4'-DDD	6.708	5.784	97469117	164.1E6	51.284	51.983
17)	MA	4,4'-DDT	7.021	6.034	86222240	142.1E6	43.722	43.657
18)	B	Endrin al...	6.922	6.110	85722518	132.9E6	44.095	43.639
19)	B	Endosulfa...	7.157	6.333	100.6E6	162.5E6	44.432	45.573
20)	A	Methoxychlor	7.498	6.609	46657244	75330218	44.717	42.128
21)	B	Endrin ke...	7.642	6.837	114.3E6	190.6E6	45.305	45.439
22)		Mirex	8.114	7.017	87455487	144.1E6	41.996	42.623

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

Sample Results: **PL093906.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

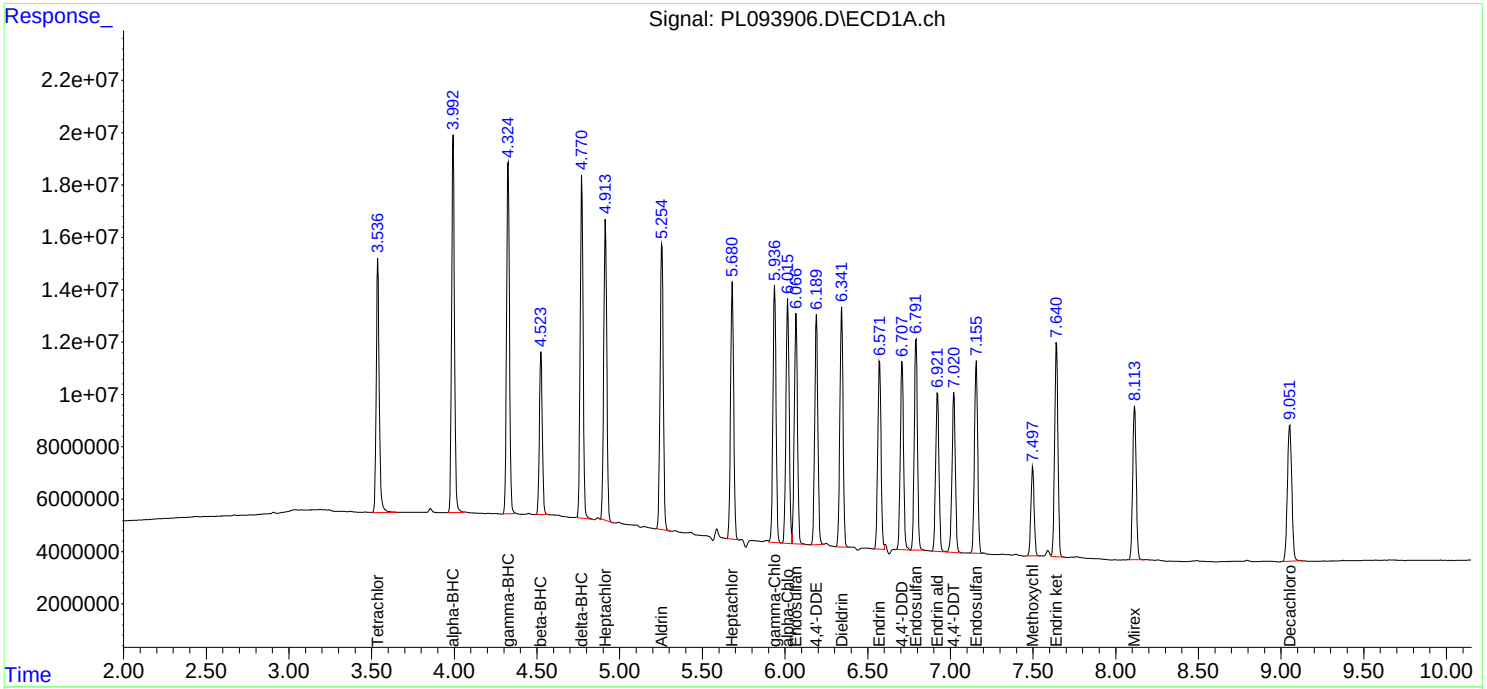
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

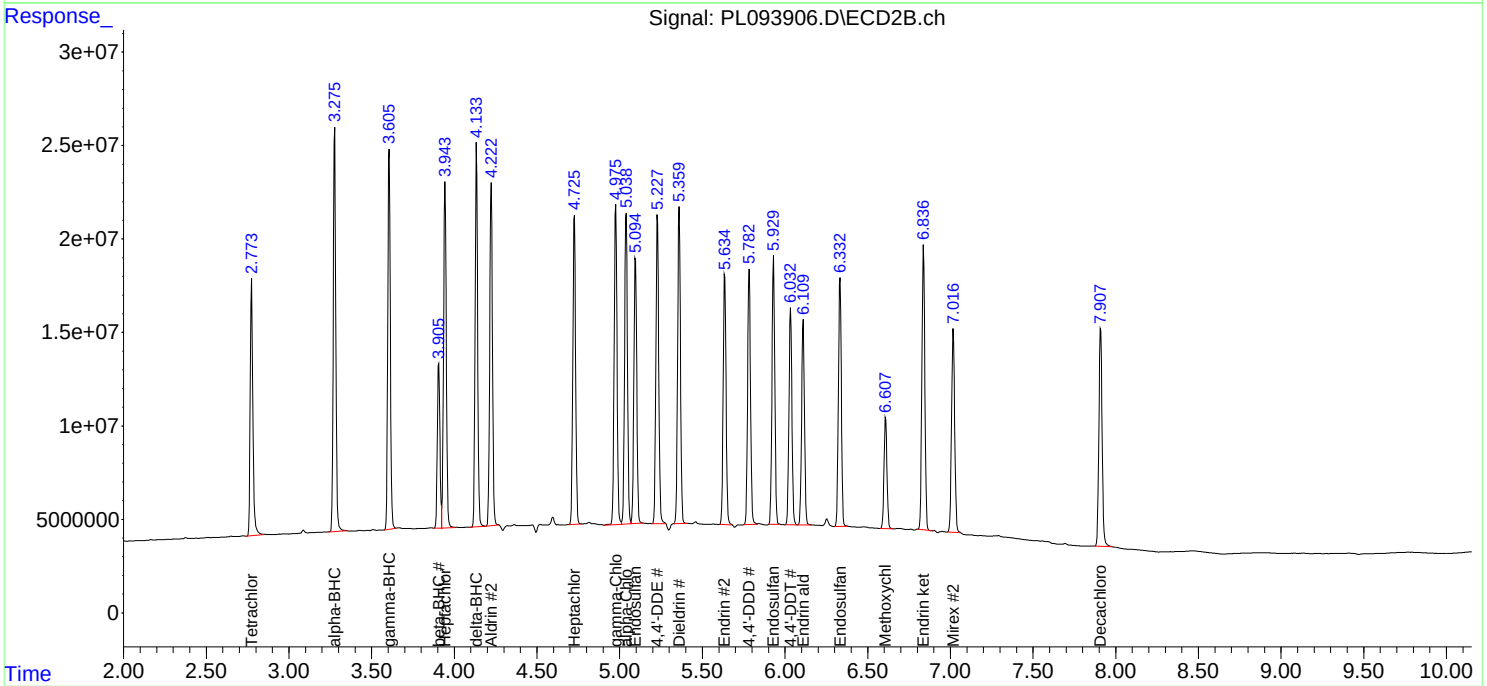
Manual Integrations APPROVED

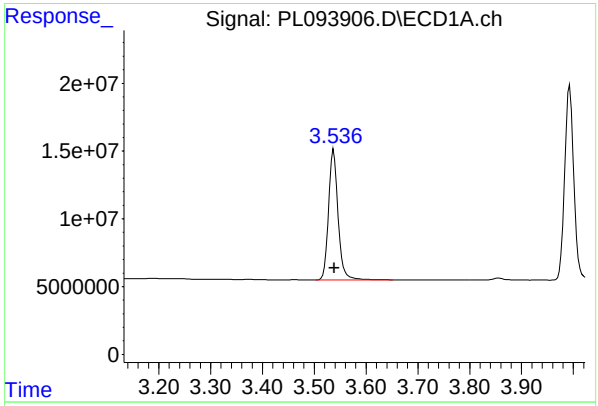
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:36:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 122406298
Conc: 45.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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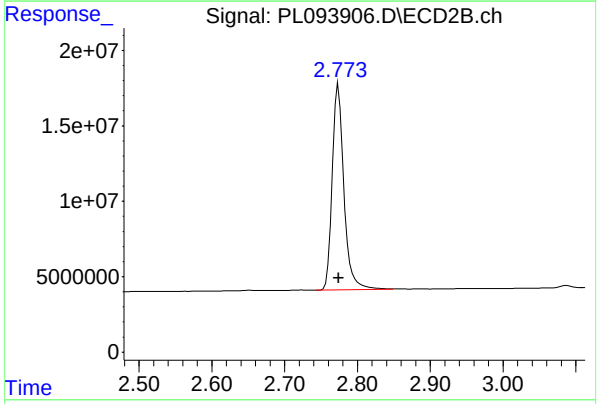
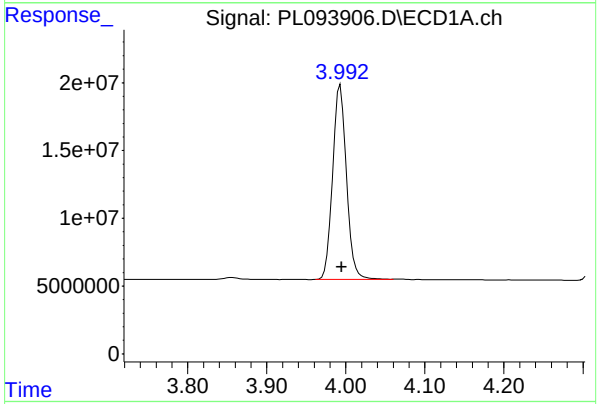


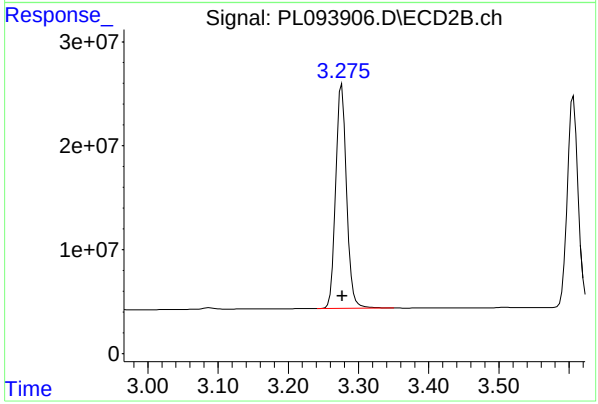
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 151915206
Conc: 46.54 ng/ml



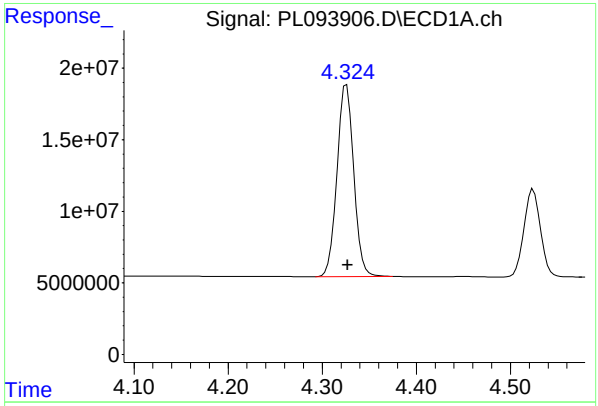
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 175089022
Conc: 45.67 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 231903439
Conc: 47.43 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 165816820
Conc: 45.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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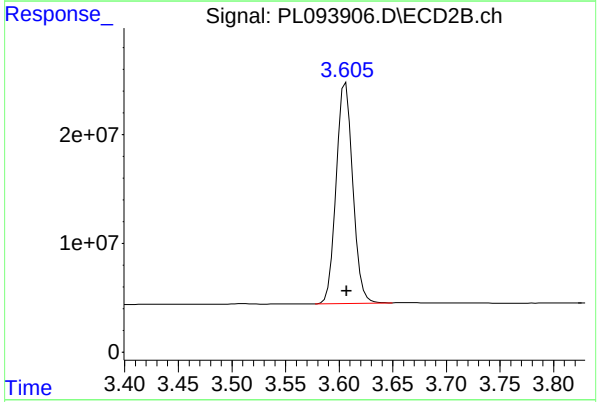
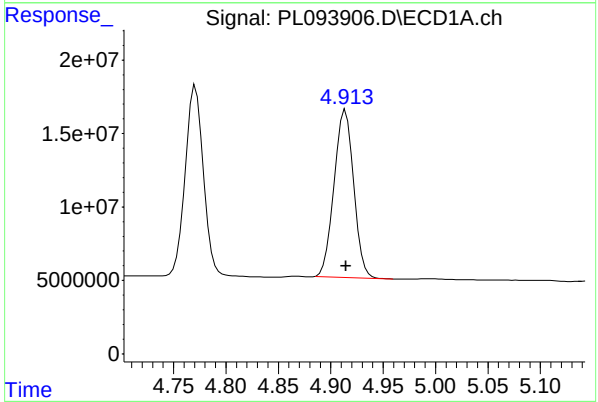


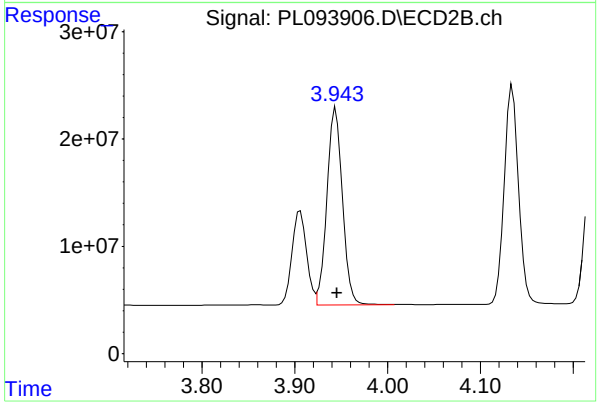
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 218368883
Conc: 46.06 ng/ml



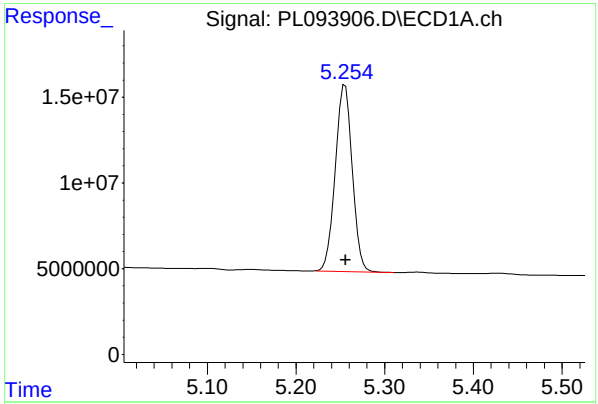
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 148113228
Conc: 45.19 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: -0.001 min
Response: 213294264
Conc: 45.82 ng/ml



#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 144471697
Conc: 44.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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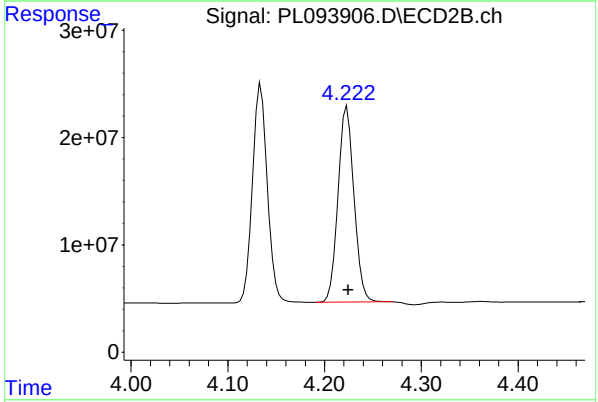
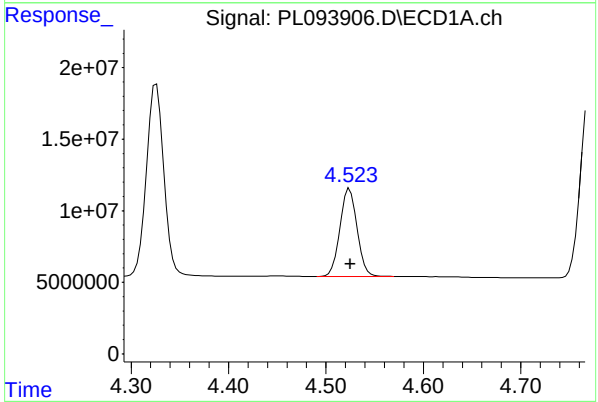


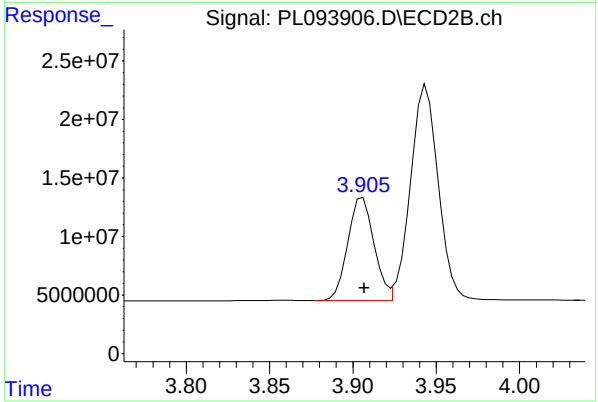
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.001 min
Response: 208888804
Conc: 45.79 ng/ml



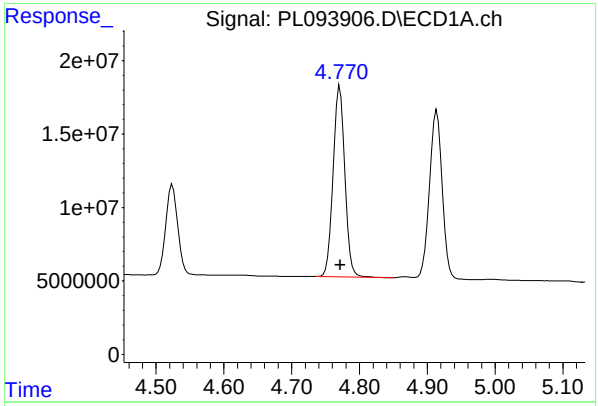
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 74823831
Conc: 46.55 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: -0.001 min
Response: 96172612
Conc: 48.15 ng/ml



#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 158024463
Conc: 45.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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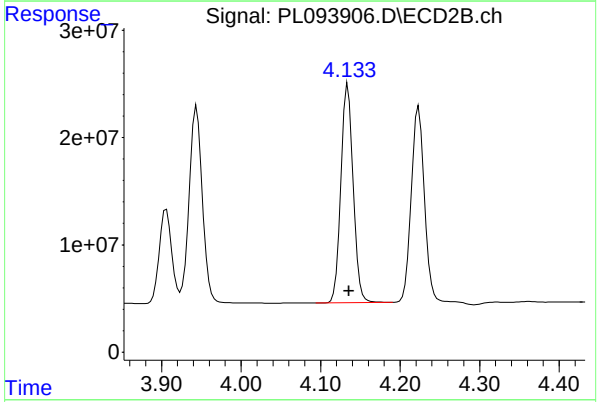
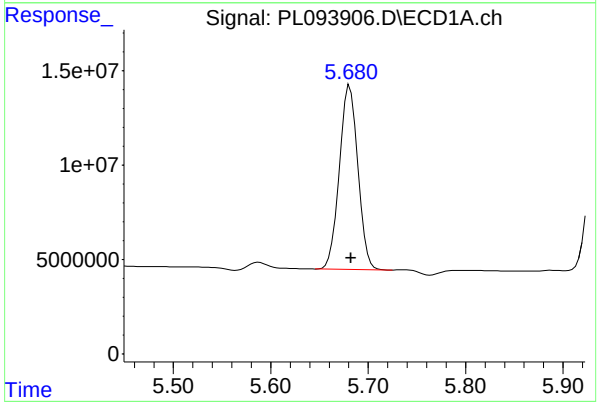


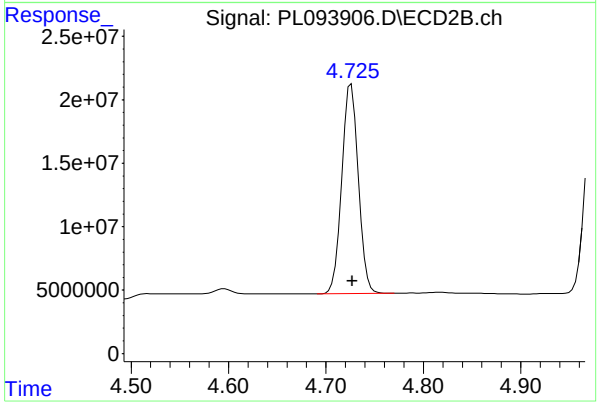
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: -0.001 min
Response: 218789570
Conc: 46.05 ng/ml



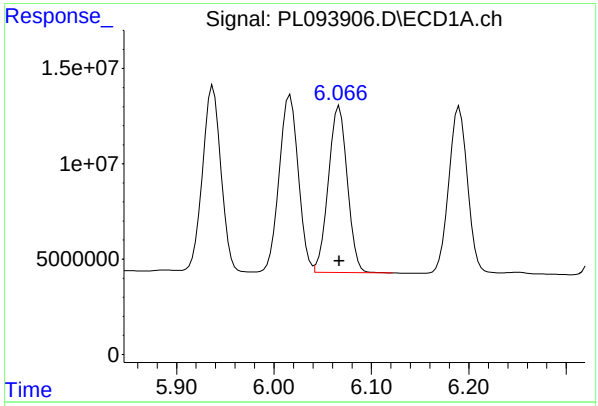
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 128589227
Conc: 43.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: -0.001 min
Response: 194425449
Conc: 46.51 ng/ml



#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 118049708
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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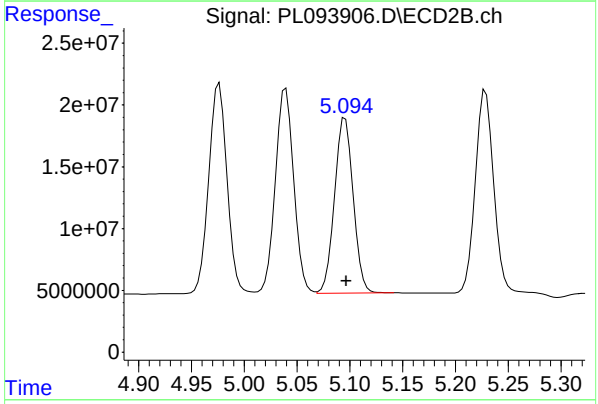
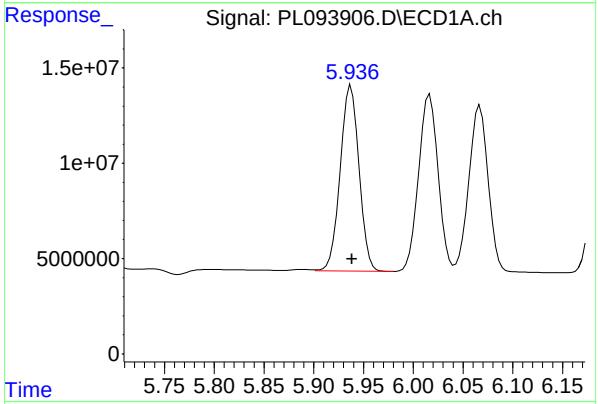


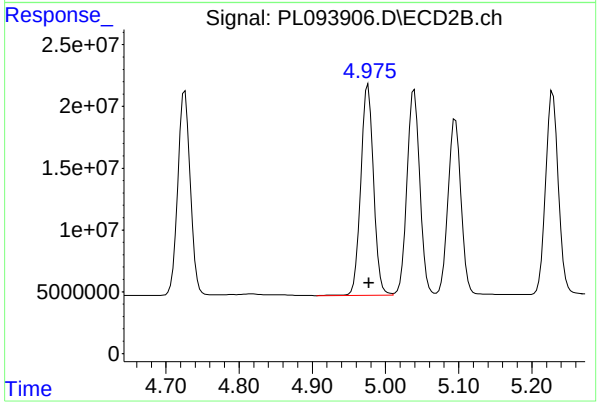
#9 Endosulfan I

R.T.: 5.095 min
Delta R.T.: 0.000 min
Response: 174384267
Conc: 44.98 ng/ml



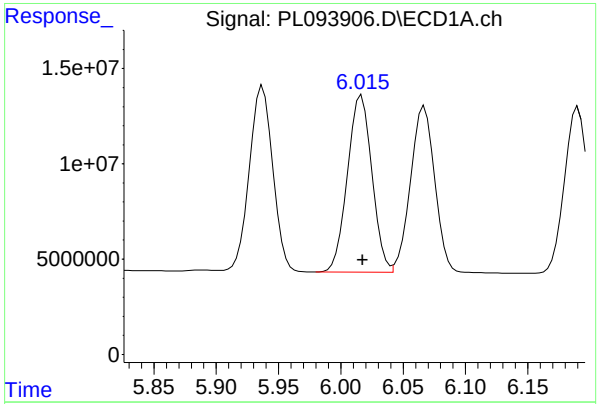
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 128457769
Conc: 46.09 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 206465886
Conc: 48.72 ng/ml



#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 127130092
Conc: 45.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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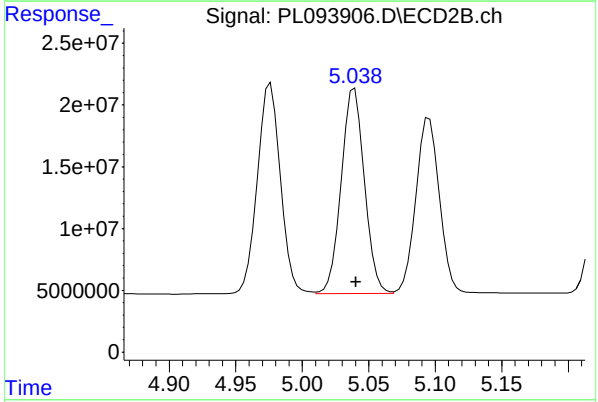
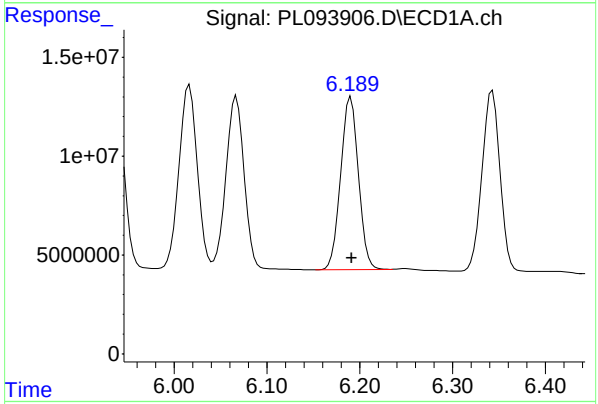


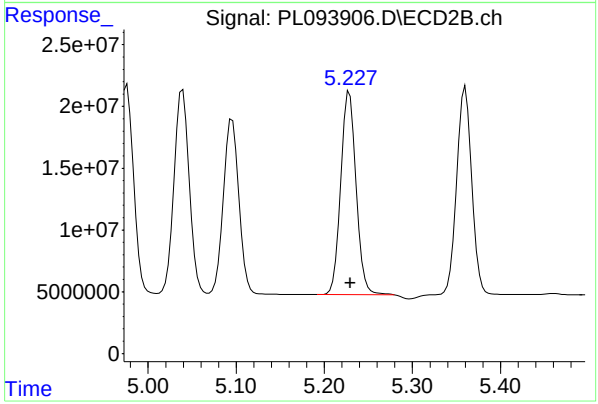
#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.001 min
Response: 201307013
Conc: 48.08 ng/ml



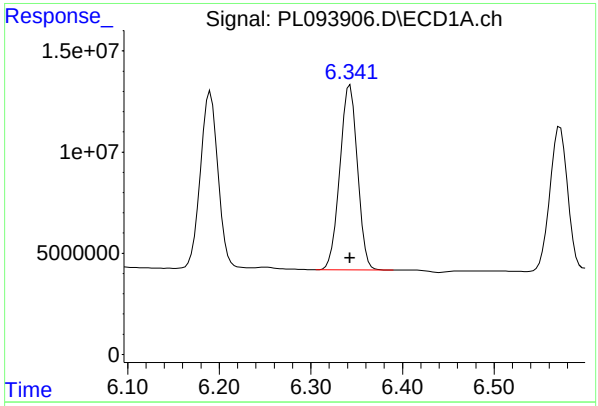
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 116153368
Conc: 47.71 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: -0.001 min
Response: 199322174
Conc: 49.71 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 122998231
Conc: 44.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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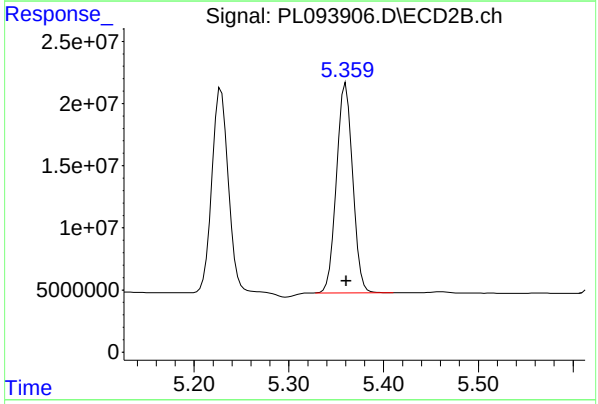
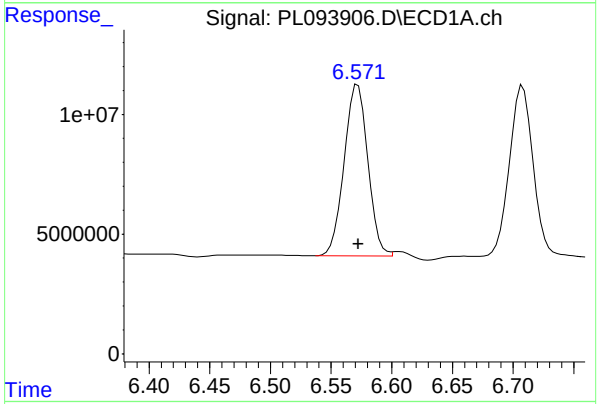


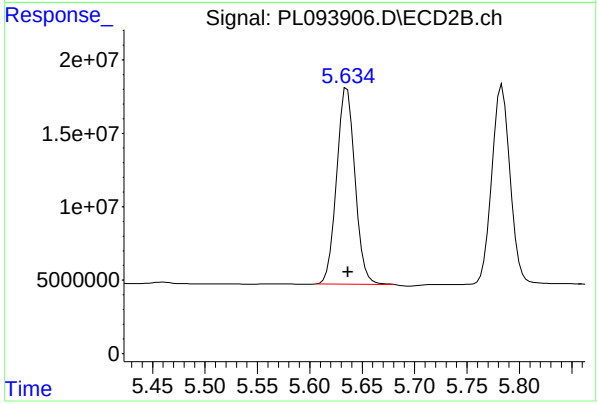
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 199289605
Conc: 46.39 ng/ml



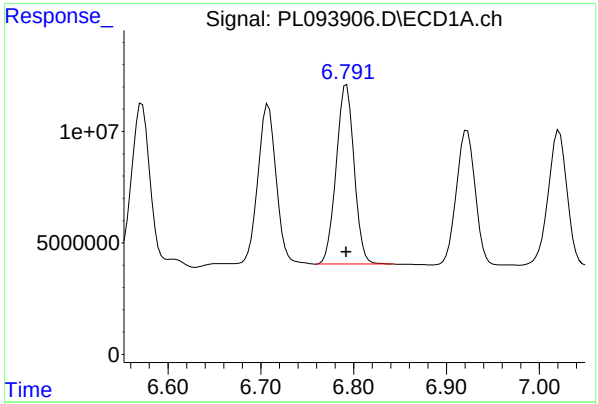
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 97668137
Conc: 41.65 ng/ml m



#14 Endrin

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 162941757
Conc: 44.13 ng/ml



#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 108179880
Conc: 44.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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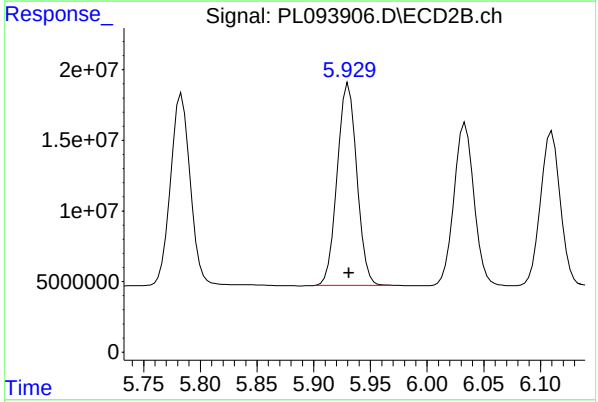
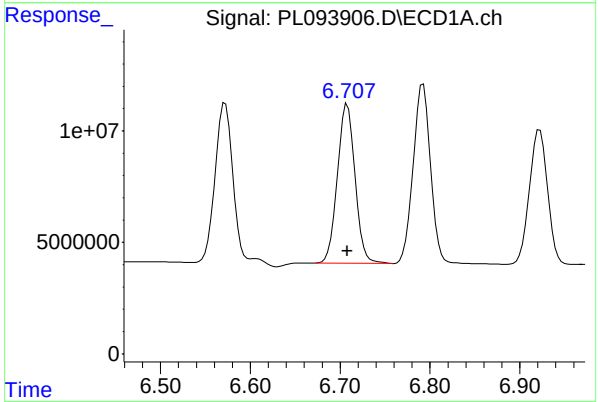


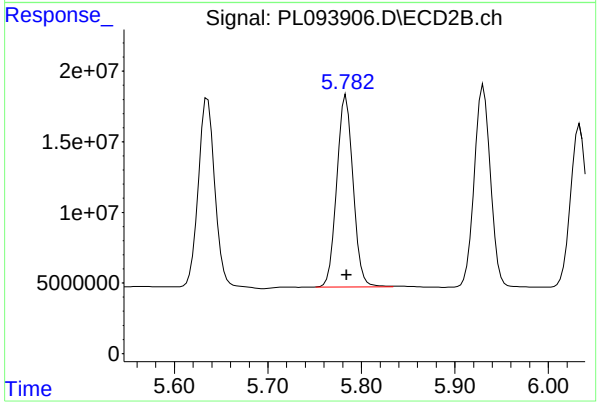
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 171677299
Conc: 46.35 ng/ml



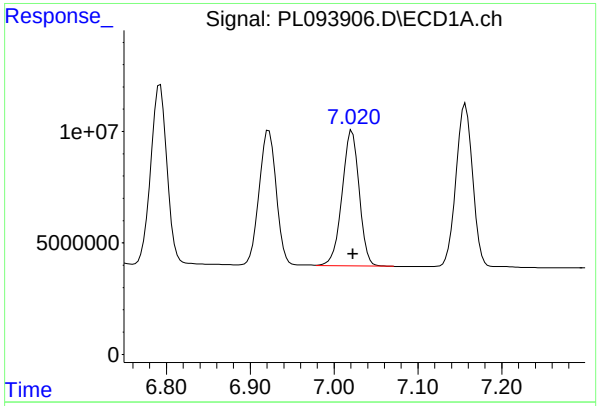
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 97469117
Conc: 51.28 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 164085835
Conc: 51.98 ng/ml



#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 86222240
Conc: 43.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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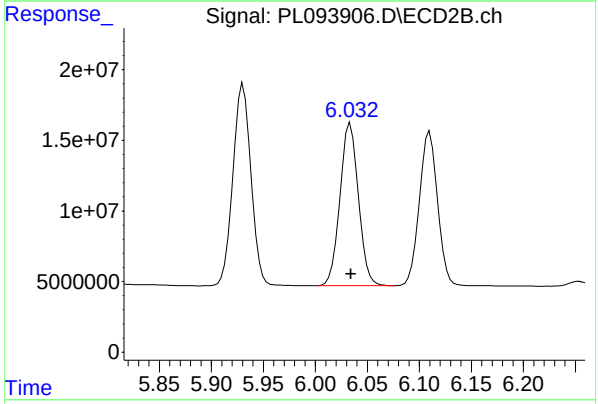
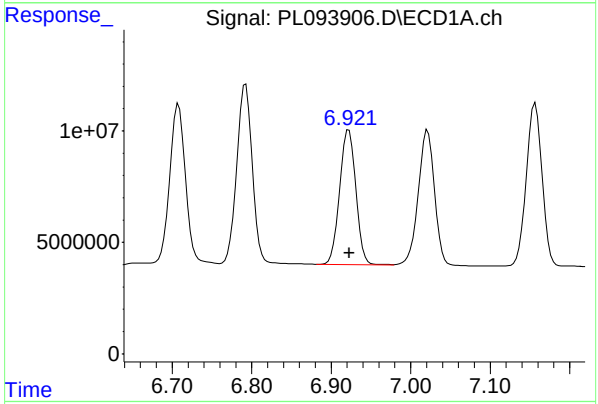


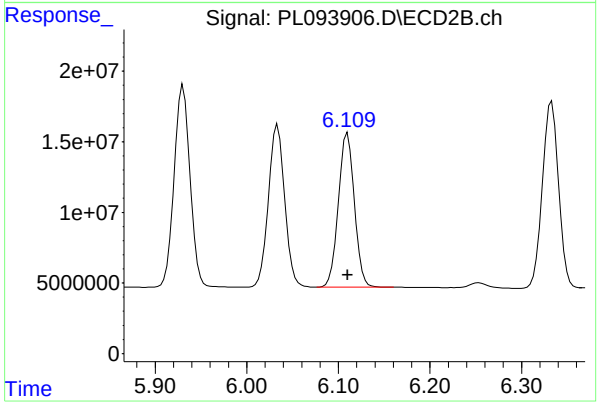
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 142061745
Conc: 43.66 ng/ml



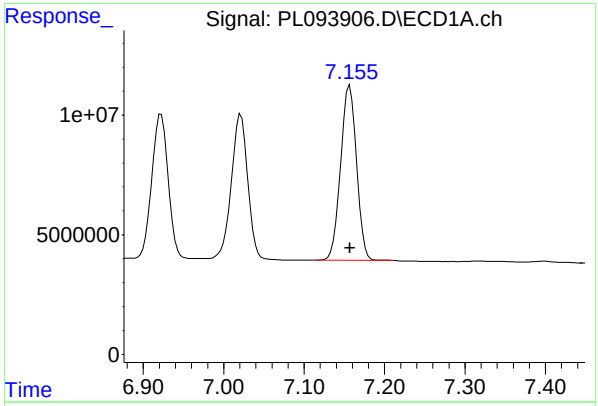
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 85722518
Conc: 44.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 132863703
Conc: 43.64 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 100581582
Conc: 44.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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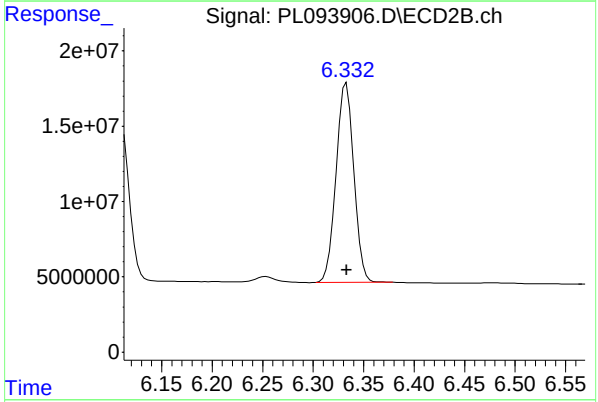
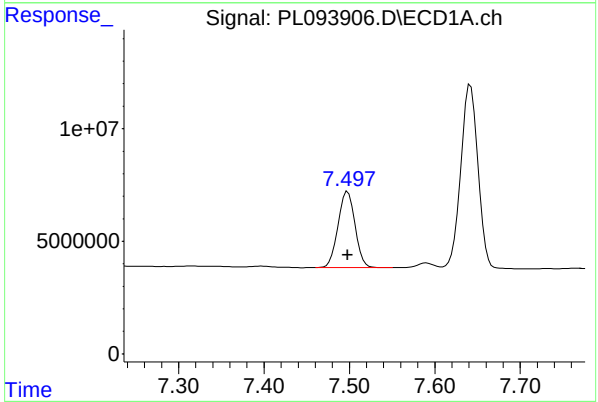


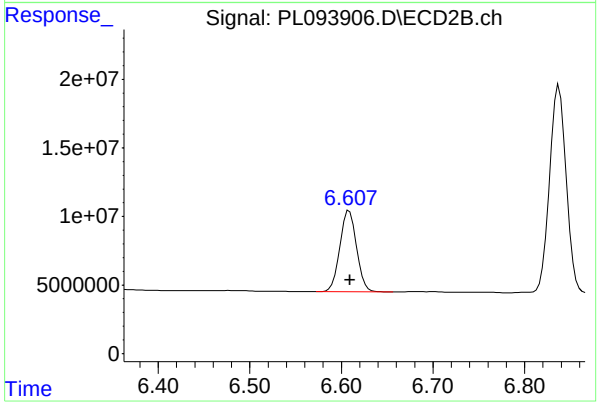
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 162518129
Conc: 45.57 ng/ml



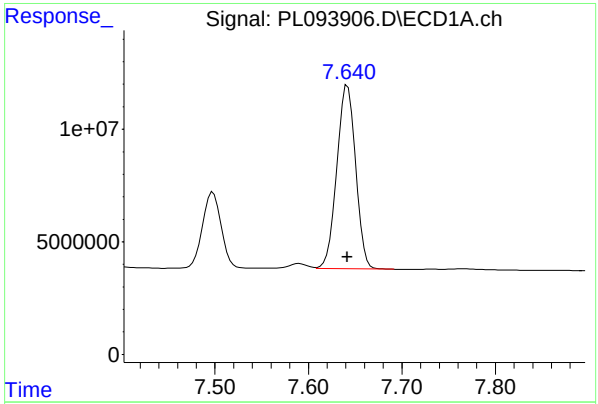
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 46657244
Conc: 44.72 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 75330218
Conc: 42.13 ng/ml



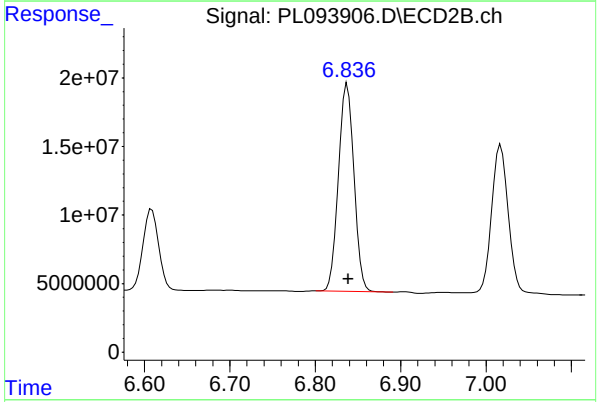
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 114288339
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

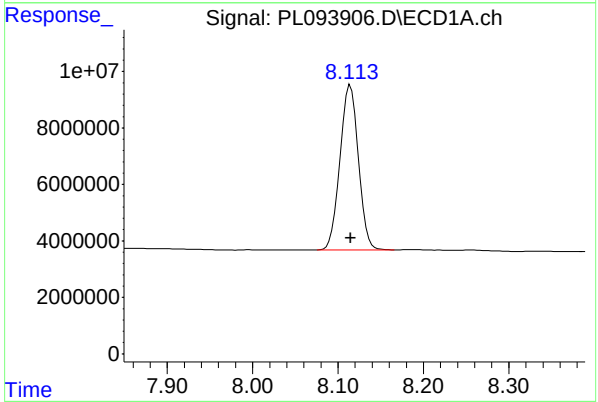
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



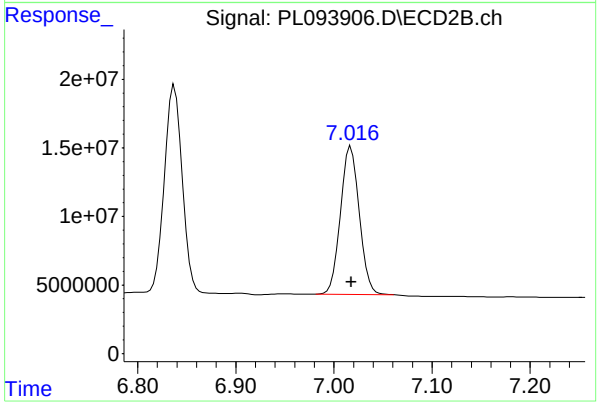
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 190627250
Conc: 45.44 ng/ml



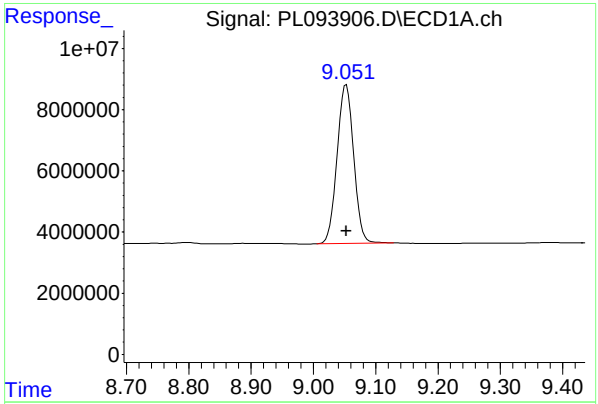
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 87455487
Conc: 42.00 ng/ml



#22 Mirex

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 144147887
Conc: 42.62 ng/ml



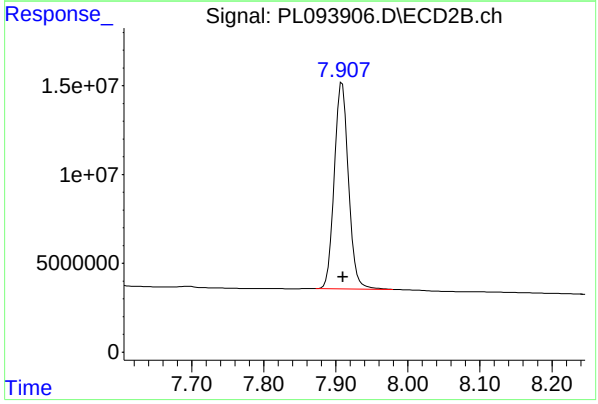
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 96155717
Conc: 45.97 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: -0.001 min
Response: 158111985
Conc: 45.12 ng/ml

Raw Data: **PL093919.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 22:23 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	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	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL093919.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 22:23 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL093919.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093919.D **Time Analyzed:** 22:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	60.970	50.000	21.9
4,4'-DDE	6.191	6.091	6.291	56.740	50.000	13.5
4,4'-DDT	7.022	6.922	7.122	48.470	50.000	-3.1
Aldrin	5.256	5.156	5.356	51.830	50.000	3.7
alpha-BHC	3.993	3.895	4.095	54.130	50.000	8.3
alpha-Chlordane	6.017	5.917	6.117	53.270	50.000	6.5
beta-BHC	4.524	4.425	4.625	54.640	50.000	9.3
Decachlorobiphenyl	9.054	8.953	9.153	53.360	50.000	6.7
delta-BHC	4.772	4.672	4.872	53.190	50.000	6.4
Dieldrin	6.343	6.243	6.443	52.360	50.000	4.7
Endosulfan I	6.068	5.967	6.167	52.270	50.000	4.5
Endosulfan II	6.793	6.692	6.892	52.030	50.000	4.1
Endosulfan sulfate	7.157	7.057	7.257	51.360	50.000	2.7
Endrin	6.572	6.472	6.672	45.130	50.000	-9.7
Endrin aldehyde	6.923	6.823	7.023	51.770	50.000	3.5
Endrin ketone	7.642	7.542	7.742	54.350	50.000	8.7
gamma-BHC (Lindane)	4.326	4.227	4.427	52.880	50.000	5.8
gamma-Chlordane	5.939	5.838	6.038	54.140	50.000	8.3
Heptachlor	4.914	4.814	5.014	51.790	50.000	3.6
Heptachlor epoxide	5.683	5.582	5.782	51.110	50.000	2.2
Methoxychlor	7.499	7.398	7.598	49.050	50.000	-1.9
Tetrachloro-m-xylene	3.537	3.439	3.639	53.460	50.000	6.9

Raw Data: **PL093919.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093919.D **Time Analyzed:** 22:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.784	5.684	5.884	64.470	50.000	28.9
4,4'-DDE	5.229	5.130	5.330	57.870	50.000	15.7
4,4'-DDT	6.034	5.934	6.134	49.080	50.000	-1.8
Aldrin	4.224	4.125	4.325	53.800	50.000	7.6
alpha-BHC	3.276	3.177	3.377	56.170	50.000	12.3
alpha-Chlordane	5.040	4.940	5.140	55.870	50.000	11.7
beta-BHC	3.906	3.807	4.007	56.120	50.000	12.2
Decachlorobiphenyl	7.910	7.810	8.010	51.760	50.000	3.5
delta-BHC	4.135	4.036	4.236	54.350	50.000	8.7
Dieldrin	5.361	5.261	5.461	54.670	50.000	9.3
Endosulfan I	5.096	4.996	5.196	55.230	50.000	10.5
Endosulfan II	5.931	5.831	6.031	55.730	50.000	11.5
Endosulfan sulfate	6.333	6.233	6.433	54.550	50.000	9.1
Endrin	5.636	5.536	5.736	48.300	50.000	-3.4
Endrin aldehyde	6.110	6.010	6.210	52.410	50.000	4.8
Endrin ketone	6.838	6.739	6.939	54.500	50.000	9.0
gamma-BHC (Lindane)	3.606	3.507	3.707	54.470	50.000	8.9
gamma-Chlordane	4.976	4.877	5.077	56.400	50.000	12.8
Heptachlor	3.944	3.845	4.045	52.860	50.000	5.7
Heptachlor epoxide	4.726	4.627	4.827	54.190	50.000	8.4
Methoxychlor	6.609	6.509	6.709	46.490	50.000	-7.0
Tetrachloro-m-xylene	2.773	2.674	2.874	54.850	50.000	9.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 22:23
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 11:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.537	2.773	144.0E6	179.0E6	53.462	54.847
28)	SA	Decachlor...	9.054	7.910	111.6E6	181.4E6	53.360	51.759
		Target Compounds						
2)	A	alpha-BHC	3.993	3.276	207.5E6	274.6E6	54.133	56.173
3)	MA	gamma-BHC...	4.326	3.606	194.8E6	258.3E6	52.885	54.473
4)	MA	Heptachlor	4.914	3.944	169.7E6	246.1E6	51.788	52.864
5)	MB	Aldrin	5.256	4.224	169.6E6	245.4E6	51.835	53.797
6)	B	beta-BHC	4.524	3.906	87832187	112.1E6	54.645	56.119
7)	B	delta-BHC	4.772	4.135	186.5E6	258.2E6	53.192	54.350
8)	B	Heptachlo...	5.683	4.726	152.0E6	226.5E6	51.112	54.193
9)	A	Endosulfan I	6.068	5.096	138.2E6	214.1E6	52.273	55.234
10)	B	gamma-Chl...	5.939	4.976	150.9E6	239.0E6	54.135	56.396
11)	B	alpha-Chl...	6.017	5.040	148.5E6	233.9E6	53.272	55.866
12)	B	4,4'-DDE	6.191	5.229	138.1E6	232.0E6	56.742	57.867
13)	MA	Dieldrin	6.343	5.361	145.4E6	234.8E6	52.364	54.667
14)	MA	Endrin	6.572	5.636	105.8E6	178.4E6	45.133	48.301
15)	B	Endosulfa...	6.793	5.931	125.4E6	206.4E6	52.032	55.727
16)	A	4,4'-DDD	6.709	5.784	115.9E6	203.5E6	60.974	64.469
17)	MA	4,4'-DDT	7.022	6.034	95593168	159.7E6	48.474	49.078
18)	B	Endrin al...	6.923	6.110	100.6E6	159.6E6	51.769	52.408
19)	B	Endosulfa...	7.157	6.333	116.3E6	194.5E6	51.355	54.546
20)	A	Methoxychlor	7.499	6.609	51175217	83127466	49.047	46.488
21)	B	Endrin ke...	7.642	6.838	137.1E6	228.6E6	54.349	54.498
22)		Mirex	8.116	7.018	100.7E6	168.4E6	48.371	49.781

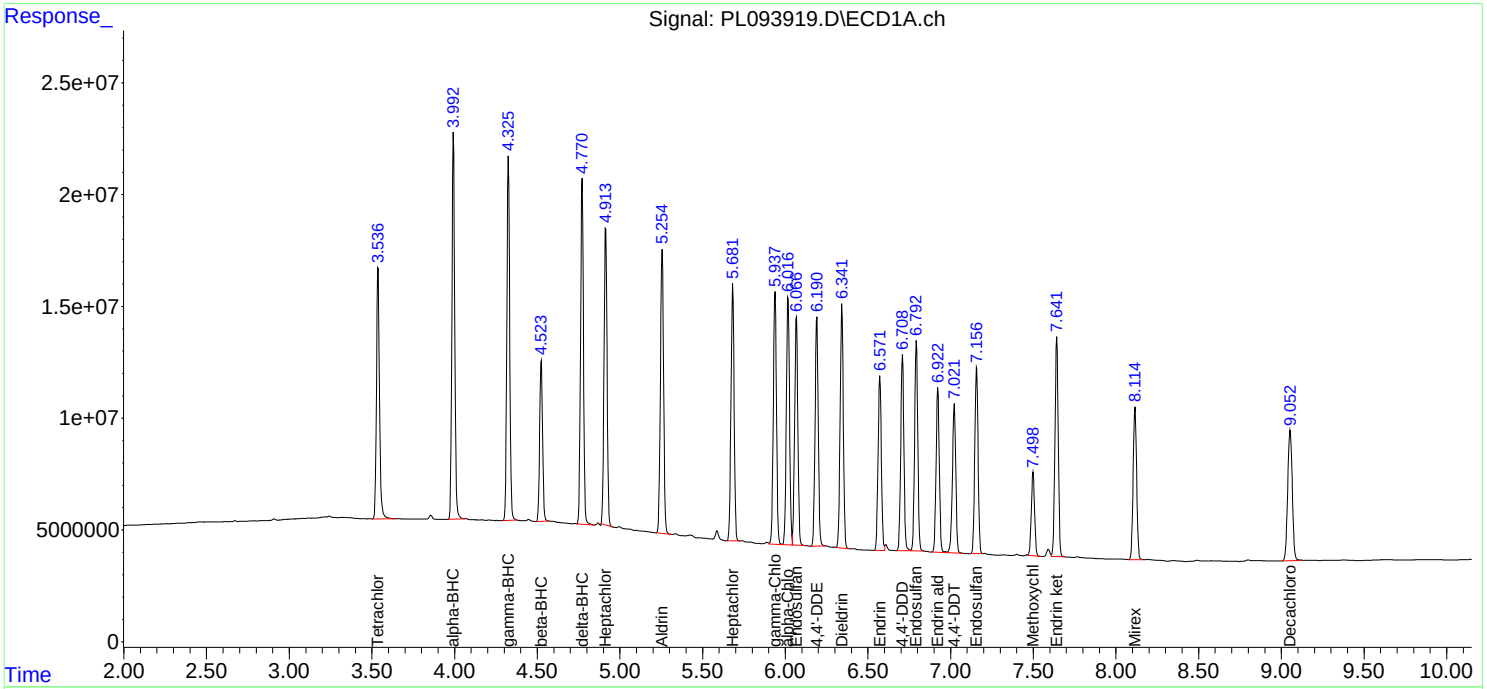
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

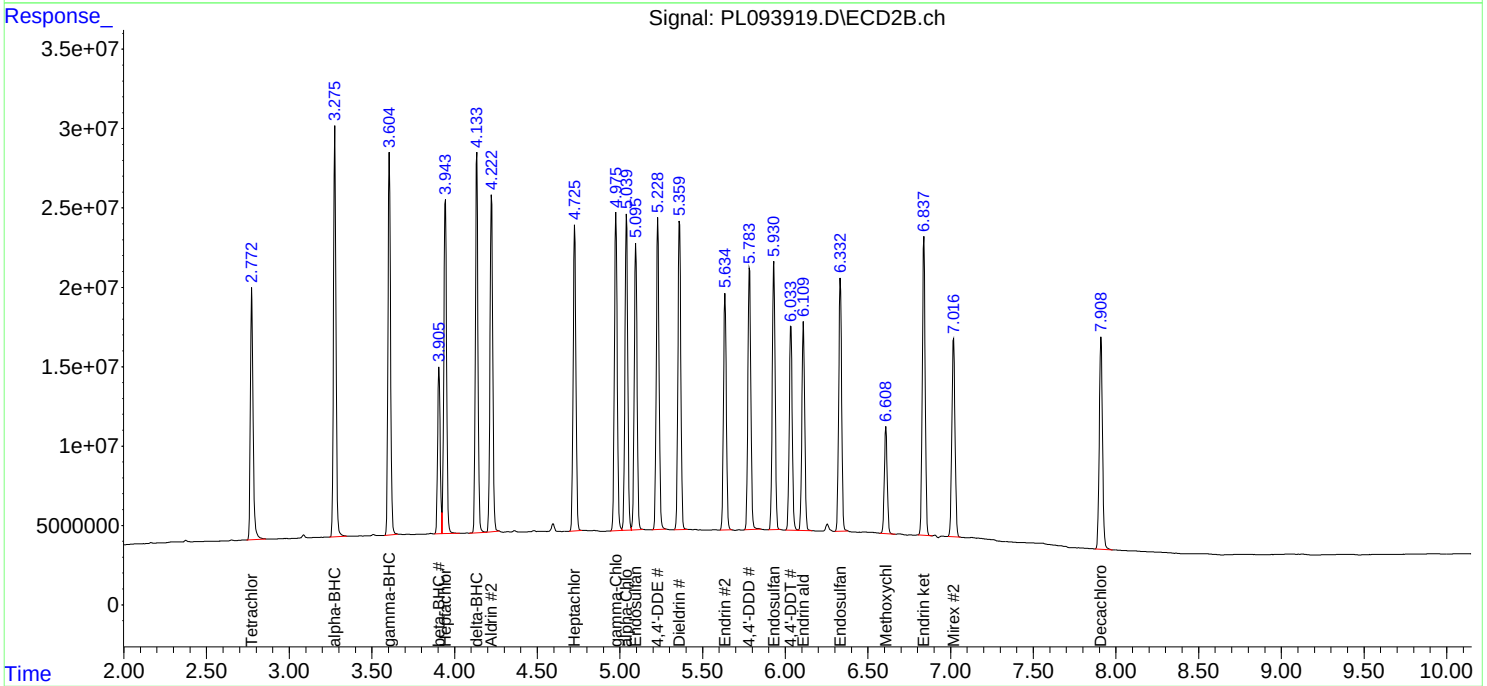
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 22:23
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

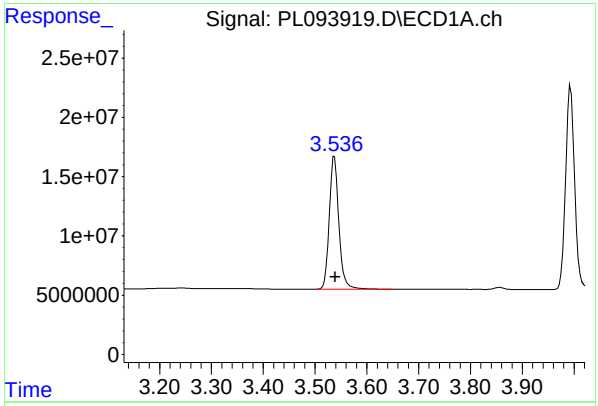
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 11:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



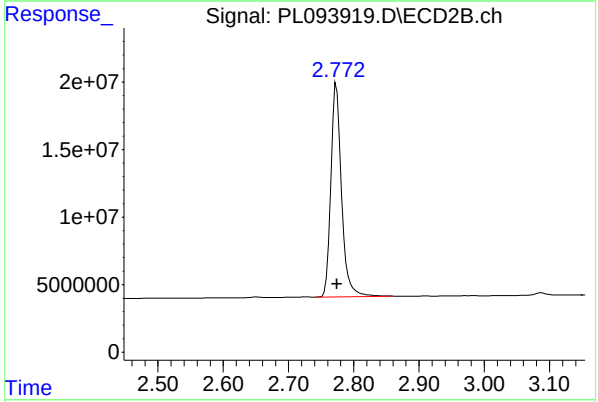




#1 Tetrachloro-m-xylene

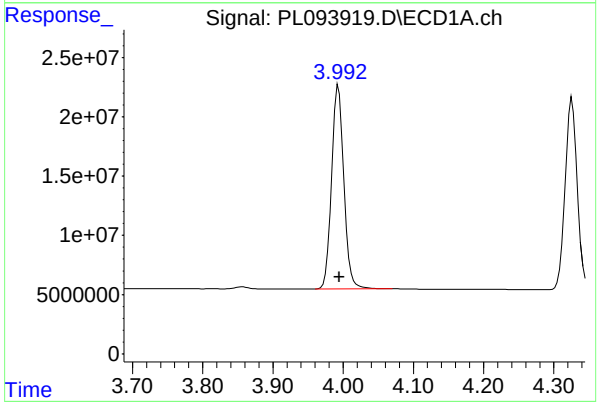
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 143960669
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



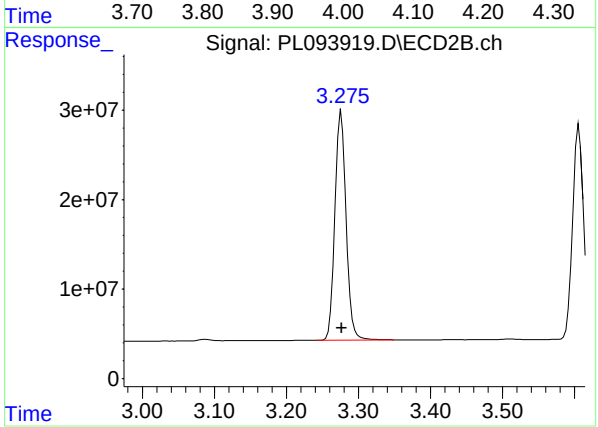
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 179029872
Conc: 54.85 ng/ml



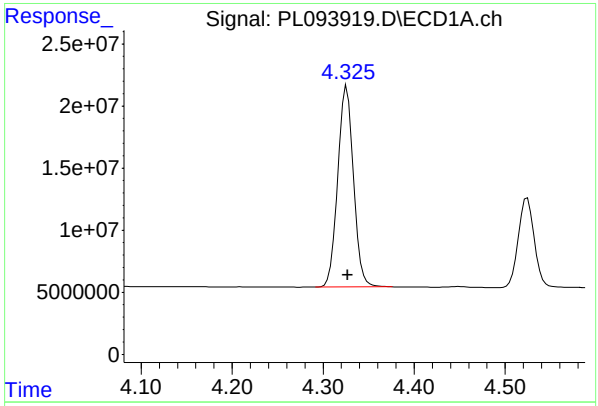
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 207535824
Conc: 54.13 ng/ml



#2 alpha-BHC

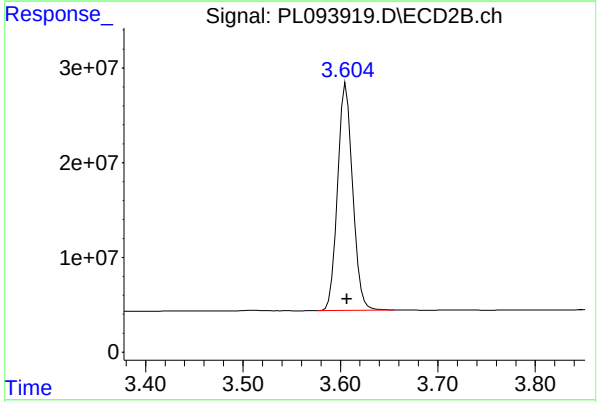
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 274627984
Conc: 56.17 ng/ml



#3 gamma-BHC (Lindane)

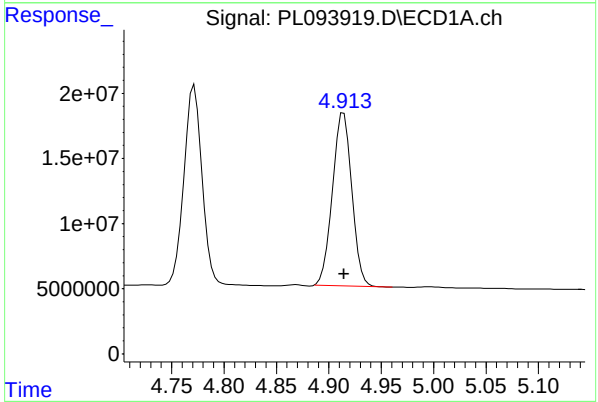
R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 194765621
Conc: 52.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



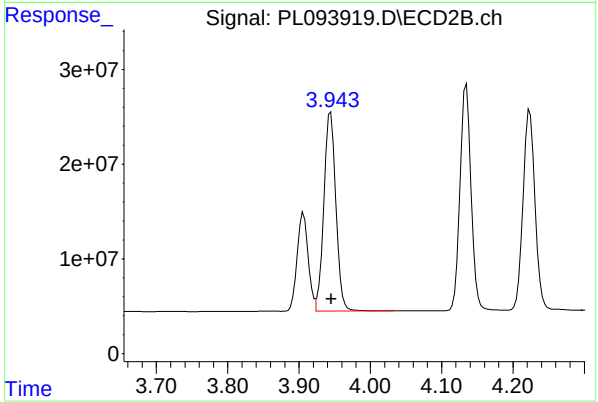
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 258269874
Conc: 54.47 ng/ml



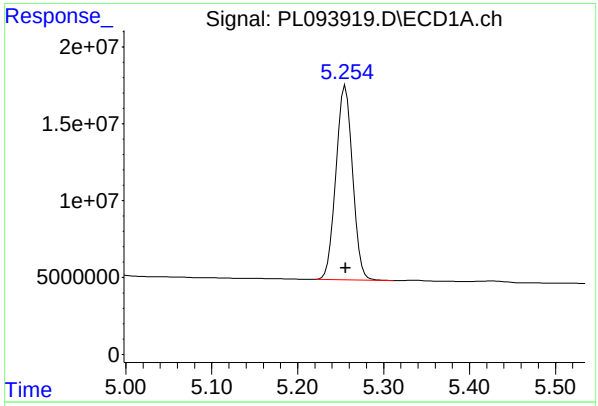
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 169728460
Conc: 51.79 ng/ml



#4 Heptachlor

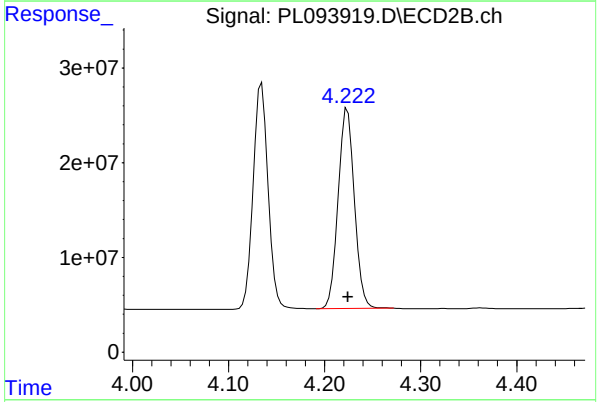
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 246069099
Conc: 52.86 ng/ml



#5 Aldrin

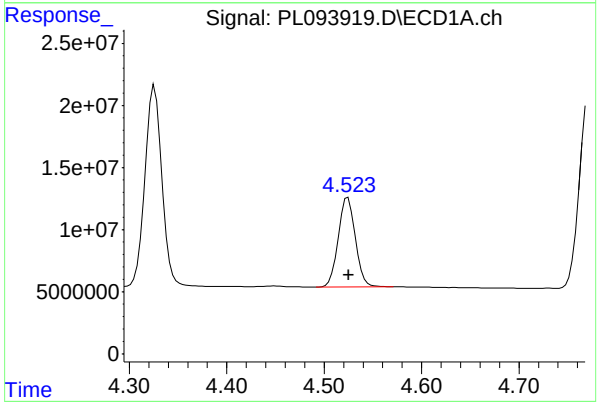
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 169602118
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



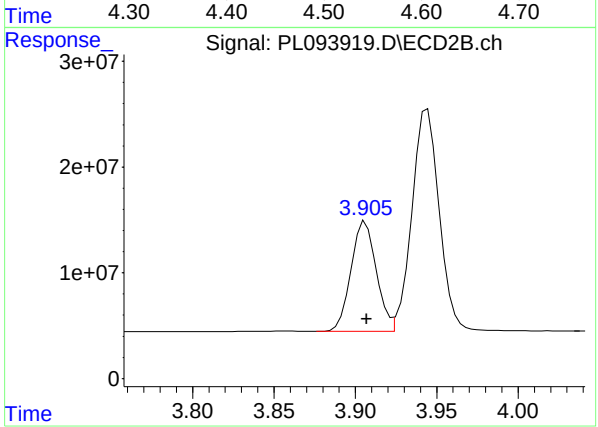
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 245410609
Conc: 53.80 ng/ml



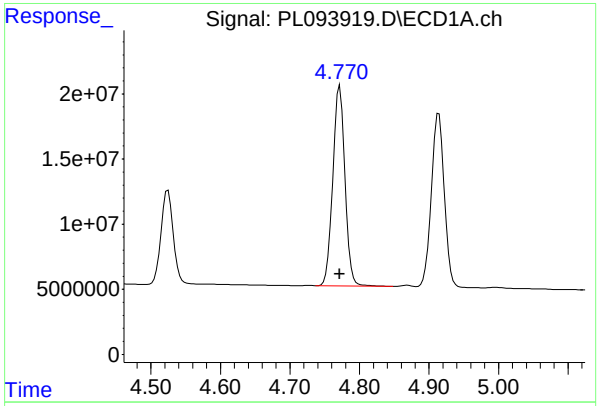
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 87832187
Conc: 54.64 ng/ml



#6 beta-BHC

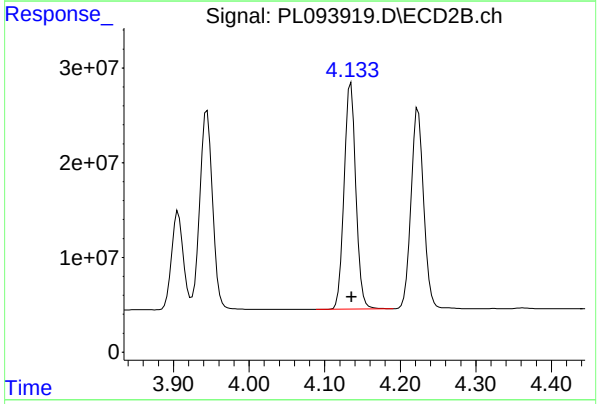
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 112094676
Conc: 56.12 ng/ml



#7 delta-BHC

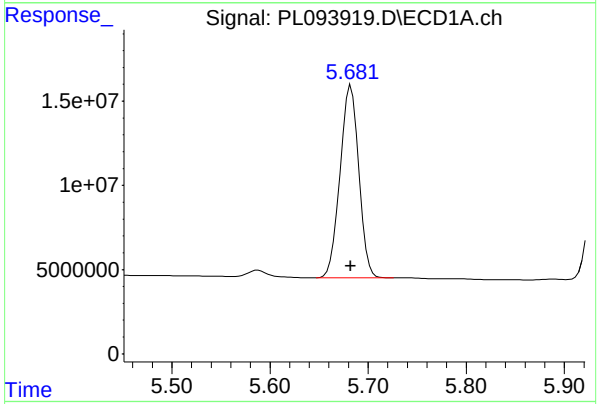
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 186451759
Conc: 53.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



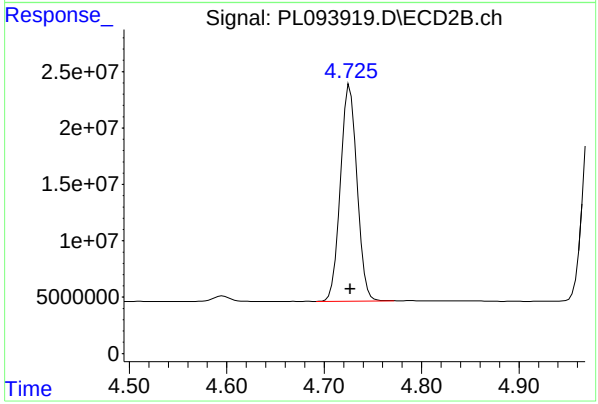
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 258229287
Conc: 54.35 ng/ml



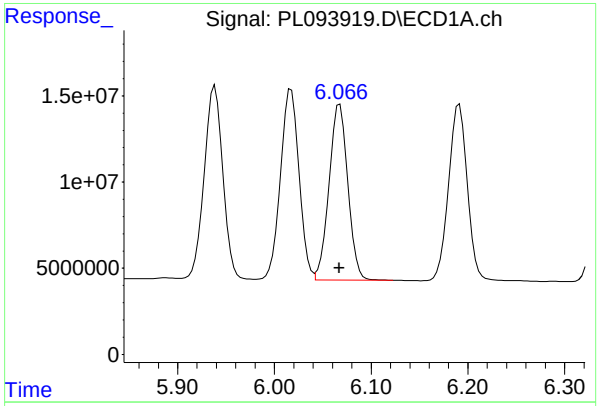
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 151997358
Conc: 51.11 ng/ml



#8 Heptachlor epoxide

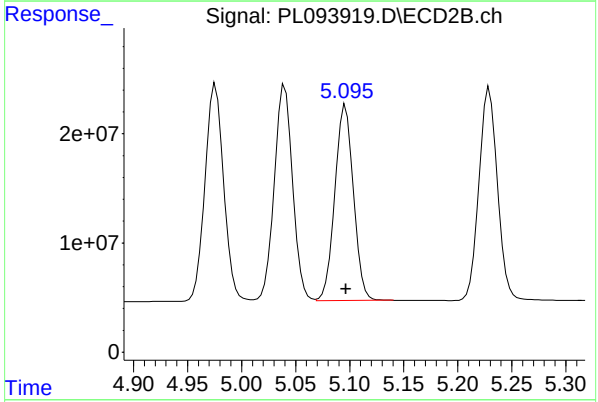
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 226541314
Conc: 54.19 ng/ml



#9 Endosulfan I

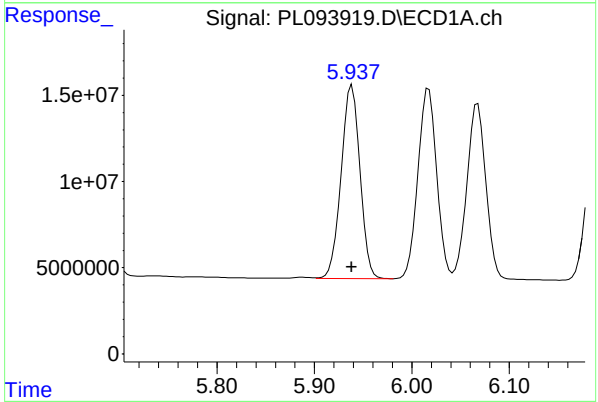
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 138150470
Conc: 52.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



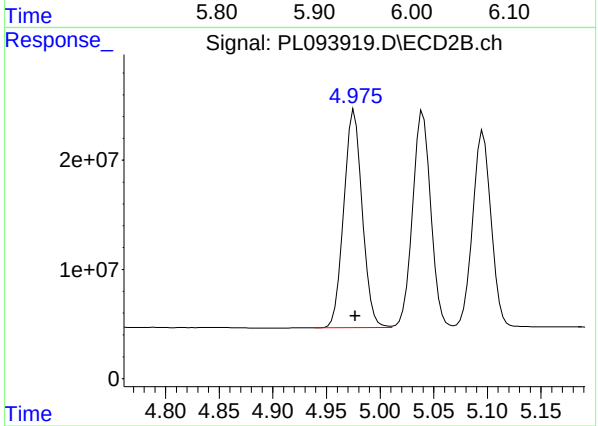
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 214136234
Conc: 55.23 ng/ml



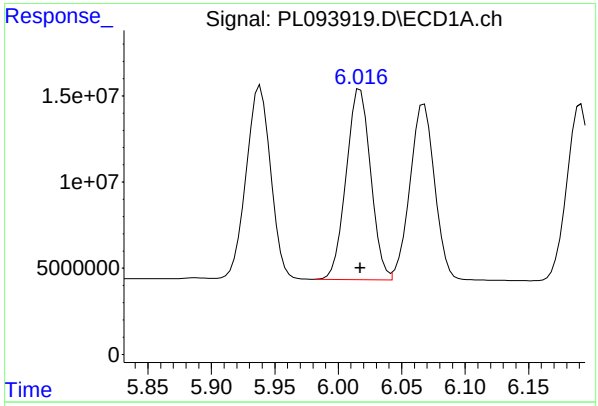
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 150895550
Conc: 54.14 ng/ml



#10 gamma-Chlordane

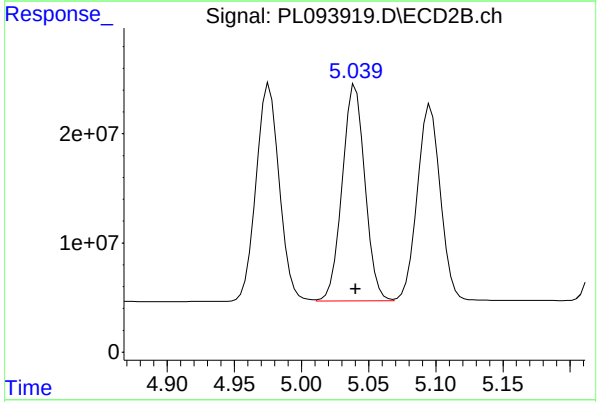
R.T.: 4.976 min
Delta R.T.: -0.001 min
Response: 238985020
Conc: 56.40 ng/ml



#11 alpha-Chlordane

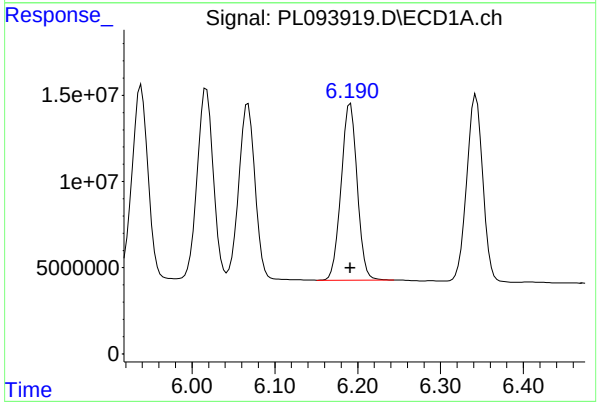
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 148543927
Conc: 53.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



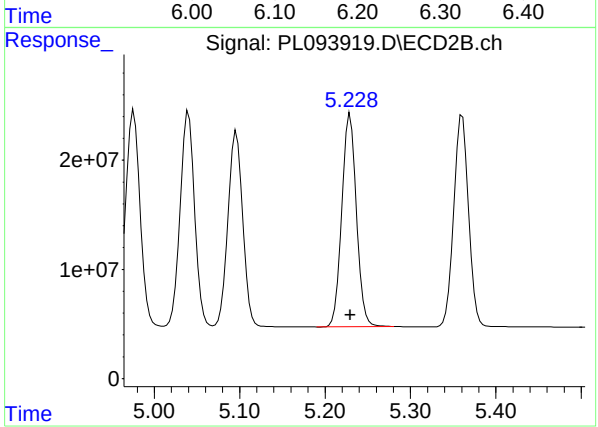
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 233885596
Conc: 55.87 ng/ml



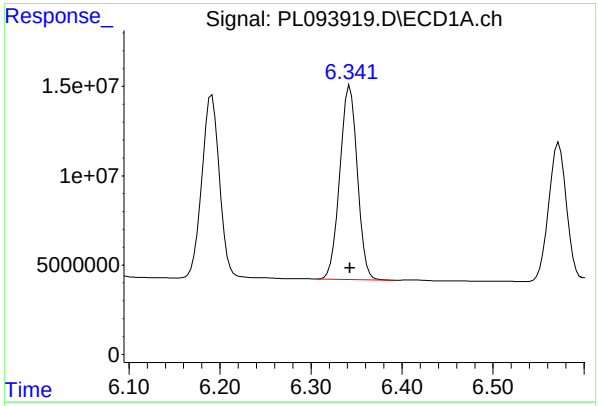
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 138144363
Conc: 56.74 ng/ml



#12 4,4'-DDE

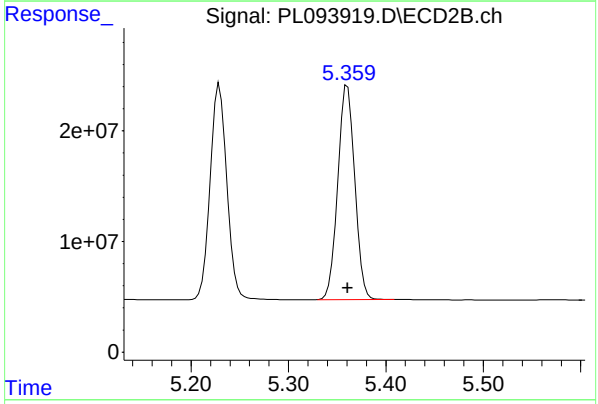
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 232015147
Conc: 57.87 ng/ml



#13 Dieldrin

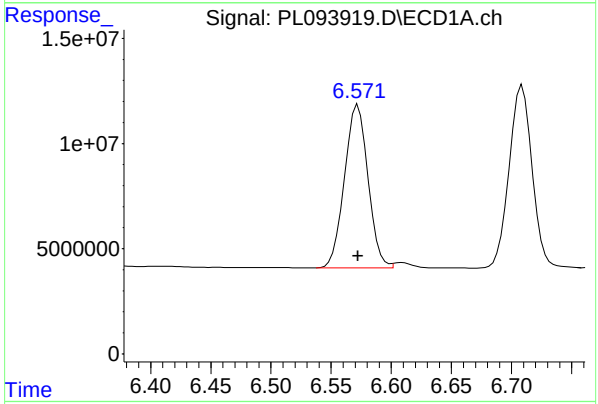
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 145354637
Conc: 52.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



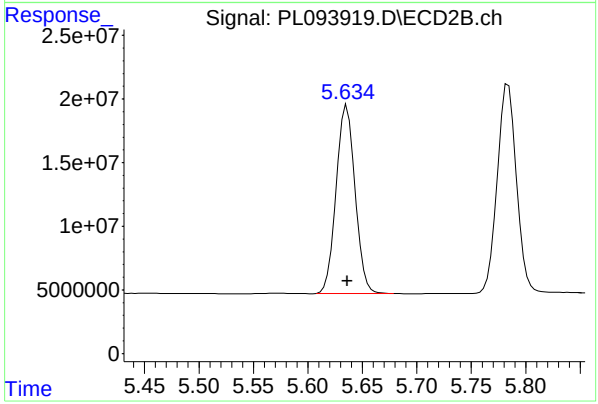
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 234832126
Conc: 54.67 ng/ml



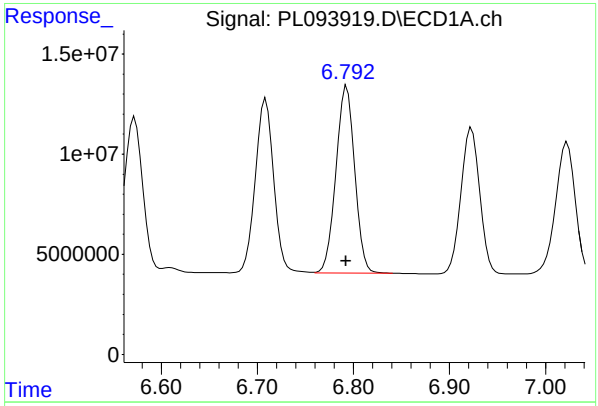
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 105828311
Conc: 45.13 ng/ml



#14 Endrin

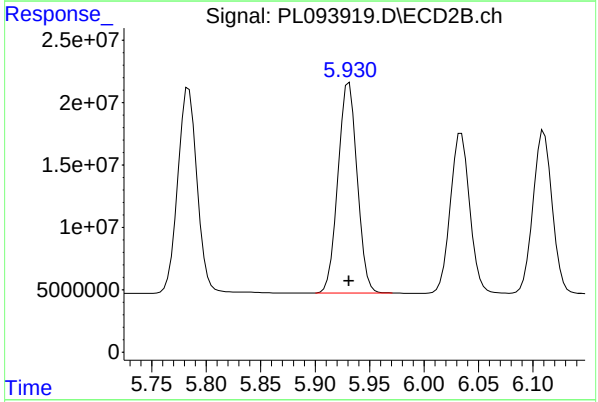
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 178359438
Conc: 48.30 ng/ml



#15 Endosulfan II

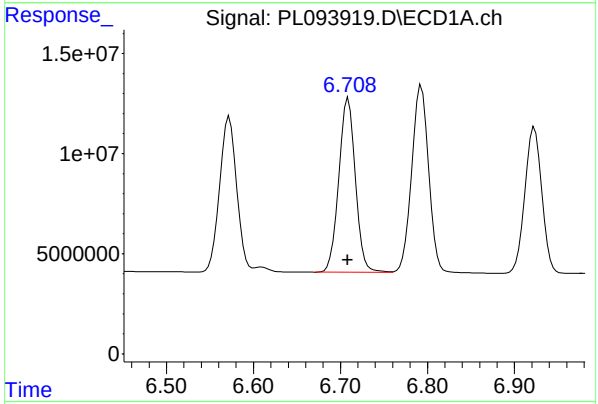
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 125363951
Conc: 52.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



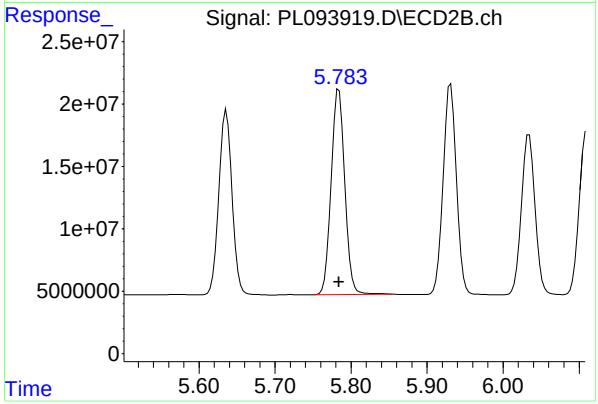
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 206404151
Conc: 55.73 ng/ml



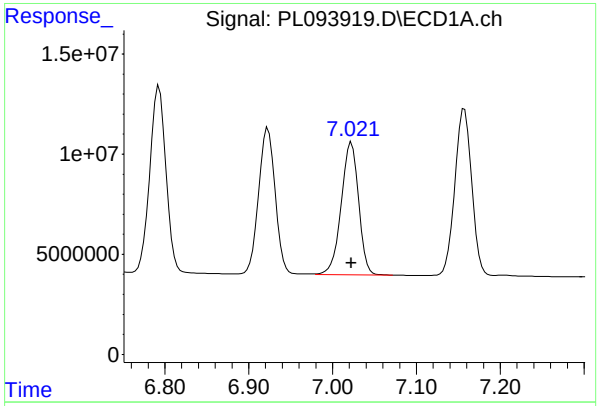
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 115884126
Conc: 60.97 ng/ml



#16 4,4'-DDD

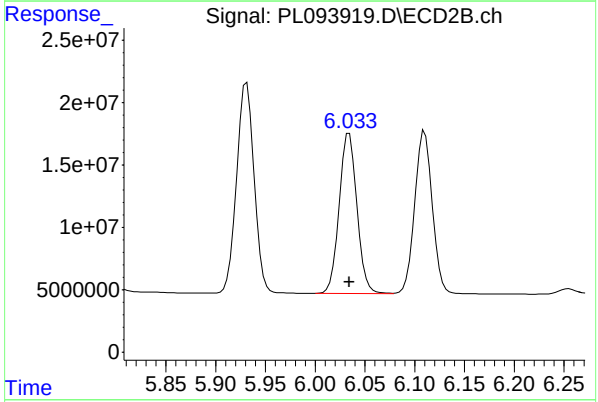
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 203497325
Conc: 64.47 ng/ml



#17 4,4'-DDT

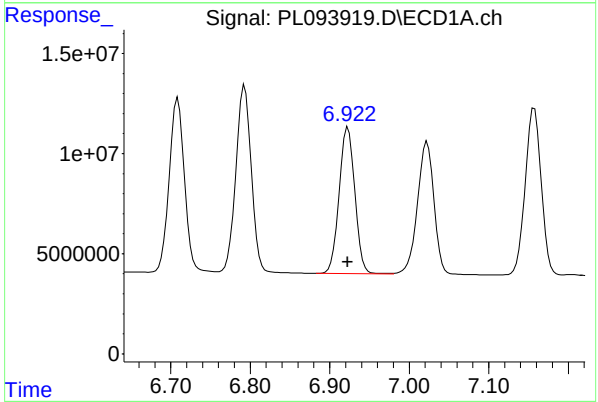
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 95593168
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



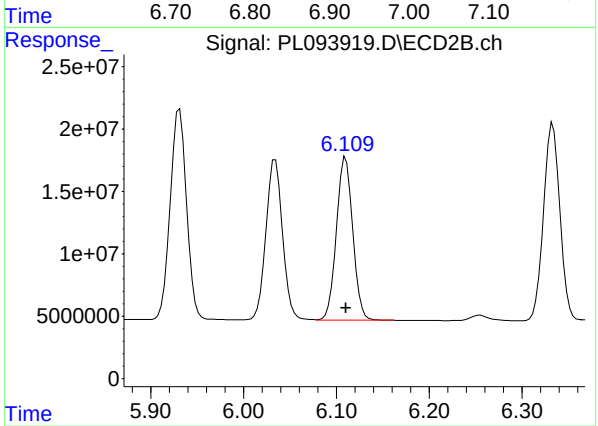
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 159703600
Conc: 49.08 ng/ml



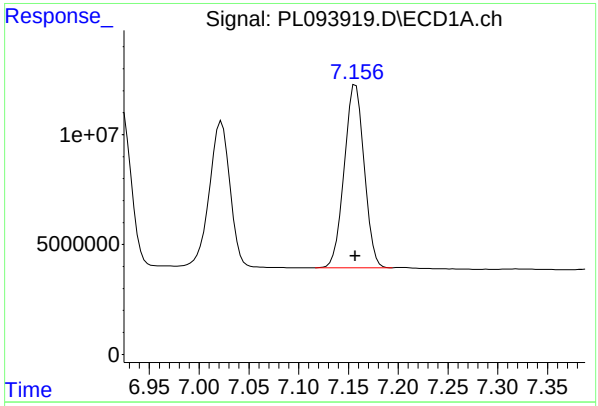
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 100641143
Conc: 51.77 ng/ml



#18 Endrin aldehyde

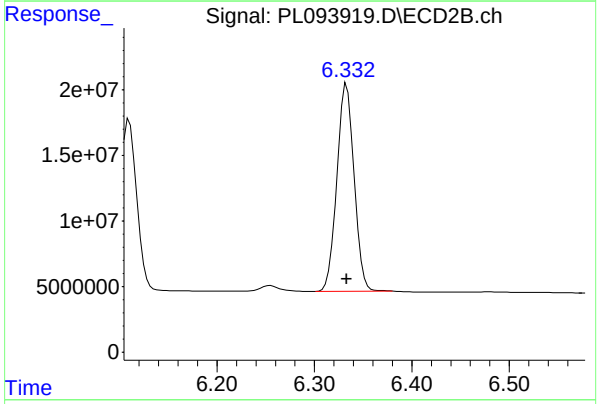
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159563600
Conc: 52.41 ng/ml



#19 Endosulfan Sulfate

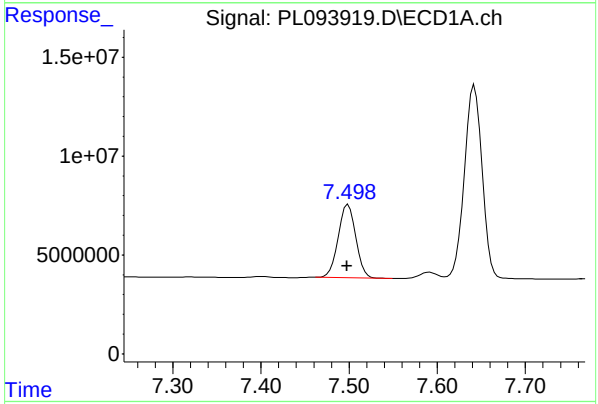
R.T.: 7.157 min
Delta R.T.: 0.000 mi
Response: 116254643
Conc: 51.36 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



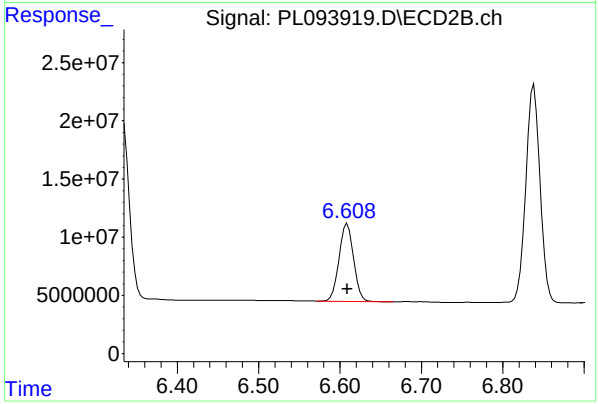
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 194515618
Conc: 54.55 ng/ml



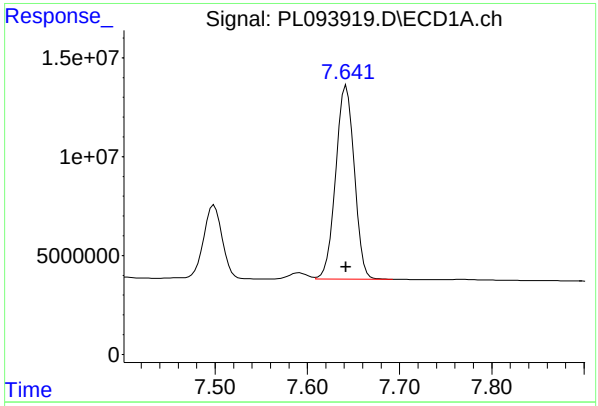
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 51175217
Conc: 49.05 ng/ml



#20 Methoxychlor

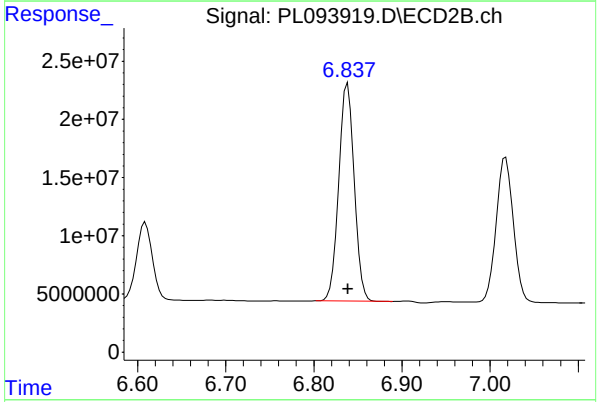
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 83127466
Conc: 46.49 ng/ml



#21 Endrin ketone

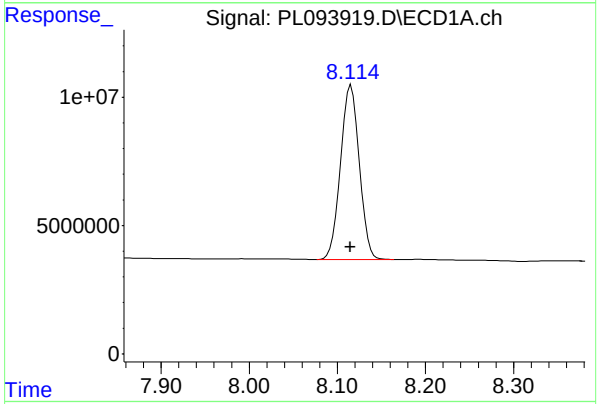
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 137101055
Conc: 54.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



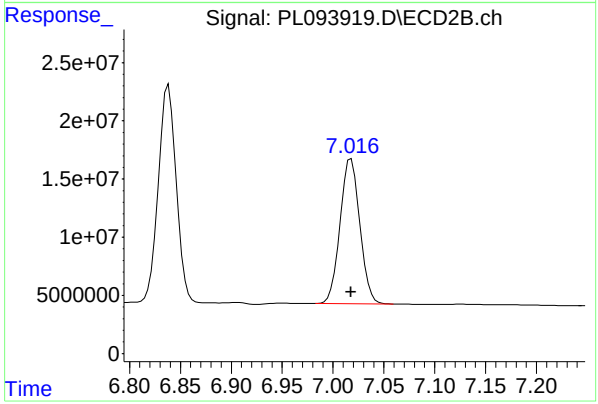
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 228631483
Conc: 54.50 ng/ml



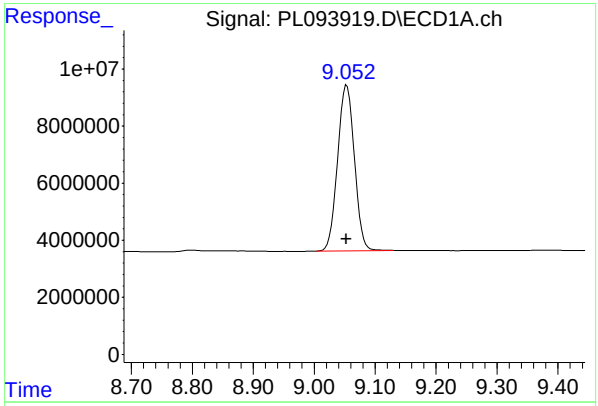
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 100731678
Conc: 48.37 ng/ml



#22 Mirex

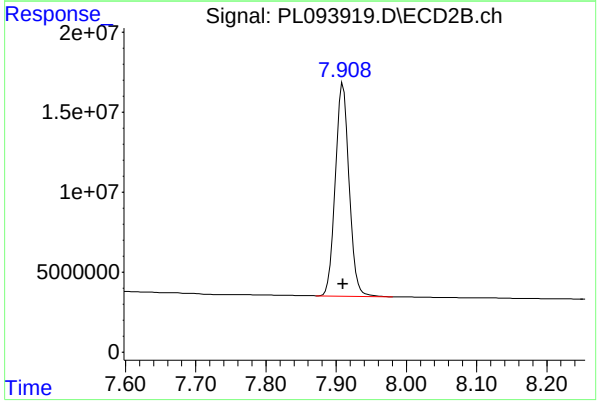
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 168353821
Conc: 49.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 111624099
Conc: 53.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 181365869
Conc: 51.76 ng/ml

Raw Data: **PL093971.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 00:57 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-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	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL093971.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 00:57 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.04	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL093971.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/01/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093971.D **Time Analyzed:** 00:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.608	6.808	54.730	50.000	9.5
4,4'-DDE	6.192	6.091	6.291	51.870	50.000	3.7
4,4'-DDT	7.025	6.922	7.122	44.830	50.000	-10.3
Aldrin	5.257	5.156	5.356	49.150	50.000	-1.7
alpha-BHC	3.994	3.895	4.095	51.630	50.000	3.3
alpha-Chlordane	6.018	5.917	6.117	49.050	50.000	-1.9
beta-BHC	4.526	4.425	4.625	50.470	50.000	0.9
Decachlorobiphenyl	9.057	8.953	9.153	44.060	50.000	-11.9
delta-BHC	4.772	4.672	4.872	49.410	50.000	-1.2
Dieldrin	6.345	6.243	6.443	47.520	50.000	-5.0
Endosulfan I	6.069	5.967	6.167	48.060	50.000	-3.9
Endosulfan II	6.795	6.692	6.892	46.330	50.000	-7.3
Endosulfan sulfate	7.160	7.057	7.257	44.270	50.000	-11.5
Endrin	6.573	6.472	6.672	44.470	50.000	-11.1
Endrin aldehyde	6.925	6.823	7.023	44.530	50.000	-10.9
Endrin ketone	7.645	7.542	7.742	44.660	50.000	-10.7
gamma-BHC (Lindane)	4.327	4.227	4.427	50.040	50.000	0.1
gamma-Chlordane	5.940	5.838	6.038	49.550	50.000	-0.9
Heptachlor	4.915	4.814	5.014	50.120	50.000	0.2
Heptachlor epoxide	5.683	5.582	5.782	47.790	50.000	-4.4
Methoxychlor	7.500	7.398	7.598	43.640	50.000	-12.7
Tetrachloro-m-xylene	3.538	3.439	3.639	51.110	50.000	2.2

Raw Data: **PL093971.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/01/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093971.D **Time Analyzed:** 00:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.785	5.684	5.884	56.200	50.000	12.4
4,4'-DDE	5.230	5.130	5.330	54.610	50.000	9.2
4,4'-DDT	6.035	5.934	6.134	46.460	50.000	-7.1
Aldrin	4.224	4.125	4.325	50.030	50.000	0.1
alpha-BHC	3.276	3.177	3.377	53.120	50.000	6.2
alpha-Chlordane	5.041	4.940	5.140	51.720	50.000	3.4
beta-BHC	3.906	3.807	4.007	52.880	50.000	5.8
Decachlorobiphenyl	7.911	7.810	8.010	42.340	50.000	-15.3
delta-BHC	4.135	4.036	4.236	50.050	50.000	0.1
Dieldrin	5.361	5.261	5.461	50.490	50.000	1.0
Endosulfan I	5.097	4.996	5.196	45.740	50.000	-8.5
Endosulfan II	5.932	5.831	6.031	49.620	50.000	-0.8
Endosulfan sulfate	6.334	6.233	6.433	47.400	50.000	-5.2
Endrin	5.637	5.536	5.736	49.760	50.000	-0.5
Endrin aldehyde	6.111	6.010	6.210	45.370	50.000	-9.3
Endrin ketone	6.840	6.739	6.939	45.870	50.000	-8.3
gamma-BHC (Lindane)	3.606	3.507	3.707	51.100	50.000	2.2
gamma-Chlordane	4.977	4.877	5.077	52.470	50.000	4.9
Heptachlor	3.945	3.845	4.045	50.220	50.000	0.4
Heptachlor epoxide	4.727	4.627	4.827	50.070	50.000	0.1
Methoxychlor	6.611	6.509	6.709	45.230	50.000	-9.5
Tetrachloro-m-xylene	2.774	2.674	2.874	52.270	50.000	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 01:09:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	137.6E6	170.6E6	51.107	52.269
28)	SA Decachlor...	9.057	7.911	92166830	148.4E6	44.059	42.337
	Target Compounds						
2)	A alpha-BHC	3.994	3.276	197.9E6	259.7E6	51.627	53.118
3)	MA gamma-BHC...	4.327	3.606	184.3E6	242.3E6	50.044	51.101
4)	MA Heptachlor	4.915	3.945	164.3E6	233.8E6	50.120	50.222
5)	MB Aldrin	5.257	4.224	160.8E6	228.2E6	49.147	50.029
6)	B beta-BHC	4.526	3.906	81125313	105.6E6	50.472	52.878
7)	B delta-BHC	4.772	4.135	173.2E6	237.8E6	49.409	50.051
8)	B Heptachlo...	5.683	4.727	142.1E6	209.3E6	47.787	50.066
9)	A Endosulfan I	6.069	5.097	127.0E6	177.3E6	48.064	45.738
10)	B gamma-Chl...	5.940	4.977	138.1E6	222.3E6	49.551	52.466
11)	B alpha-Chl...	6.018	5.041	136.8E6	216.5E6	49.052	51.718
12)	B 4,4'-DDE	6.192	5.230	126.3E6	218.9E6	51.875	54.608
13)	MA Dieldrin	6.345	5.361	131.9E6	216.9E6	47.522	50.491
14)	MA Endrin	6.573	5.637	104.3E6	183.8E6	44.467m	49.762
15)	B Endosulfa...	6.795	5.932	111.6E6	183.8E6	46.333	49.617
16)	A 4,4'-DDD	6.711	5.785	104.0E6	177.4E6	54.726	56.198
17)	MA 4,4'-DDT	7.025	6.035	88412487	151.2E6	44.833	46.456
18)	B Endrin al...	6.925	6.111	86568776	138.1E6	44.530	45.374
19)	B Endosulfa...	7.160	6.334	100.2E6	169.0E6	44.272	47.401
20)	A Methoxychlor	7.500	6.611	45529670	80874445	43.636	45.228
21)	B Endrin ke...	7.645	6.840	112.7E6	192.4E6	44.661	45.870
22)	Mirex	8.118	7.020	82894240	140.6E6	39.805	41.587

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

Sample Results: **PL093971.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

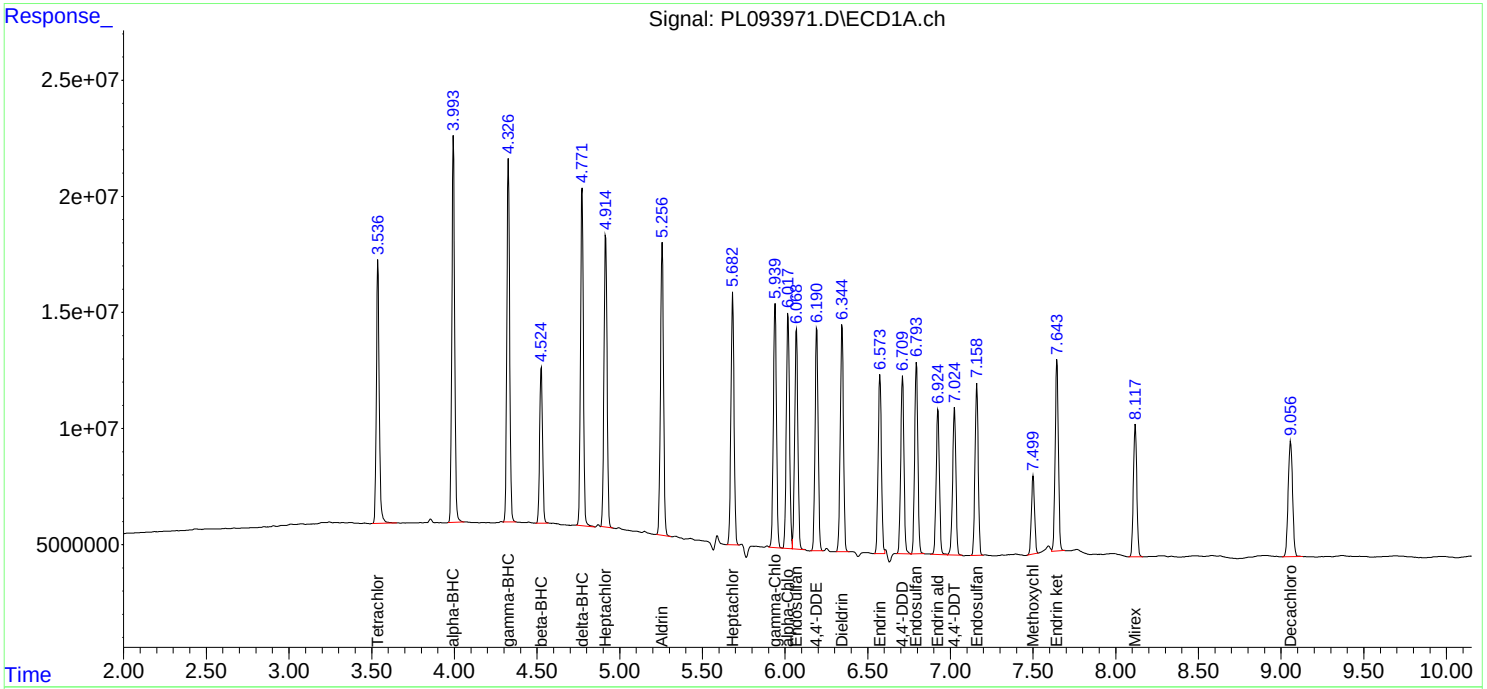
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

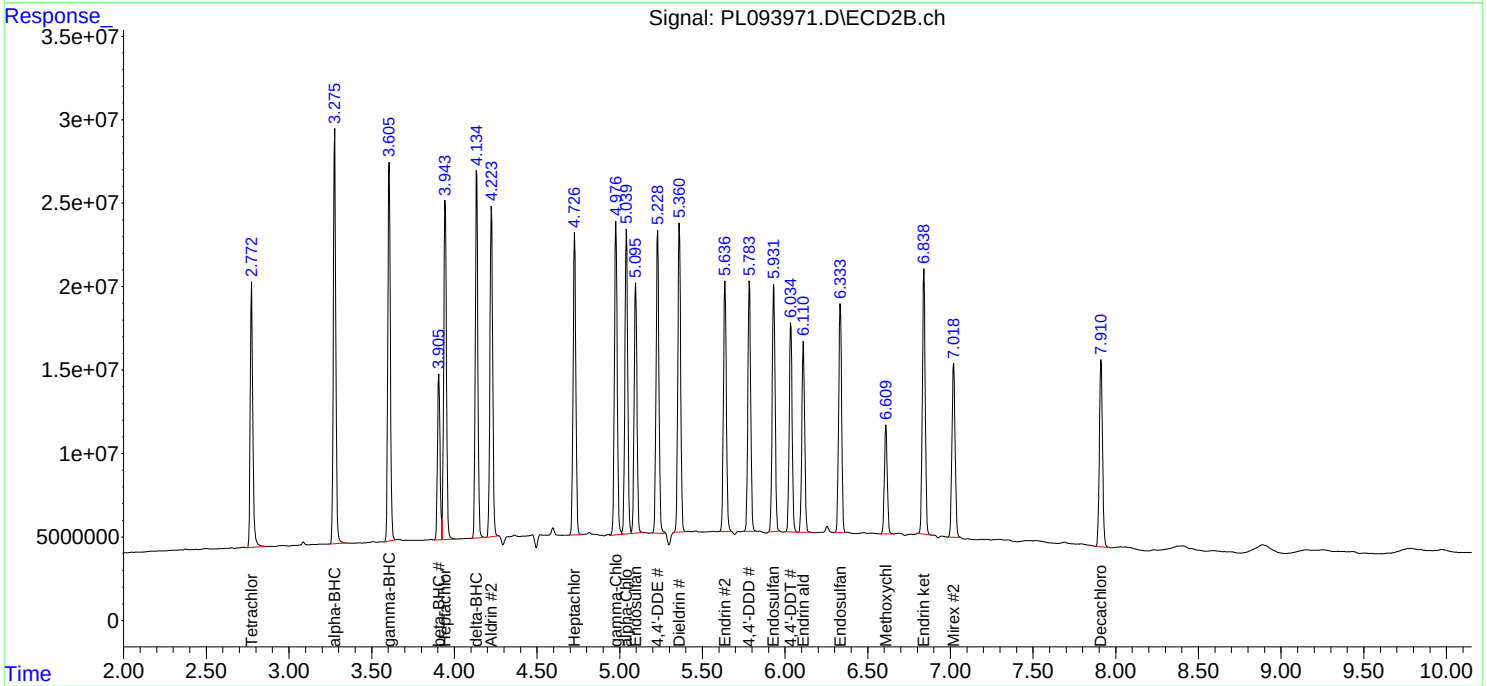
Manual Integrations APPROVED

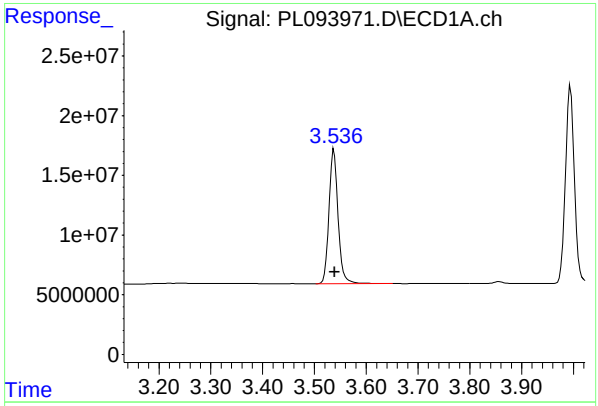
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 01:09:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







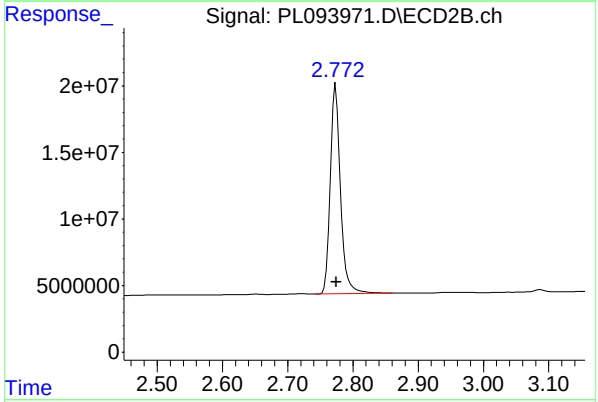
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 137617679
Conc: 51.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

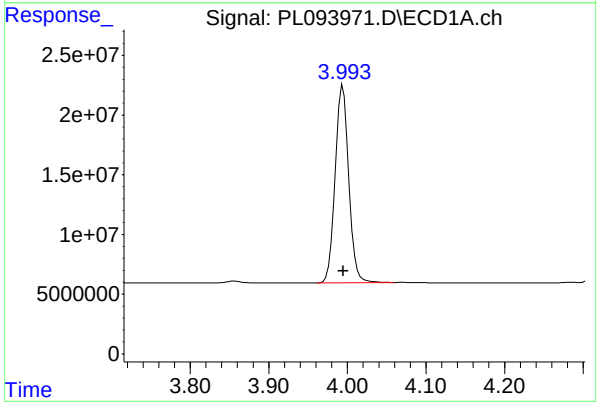
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



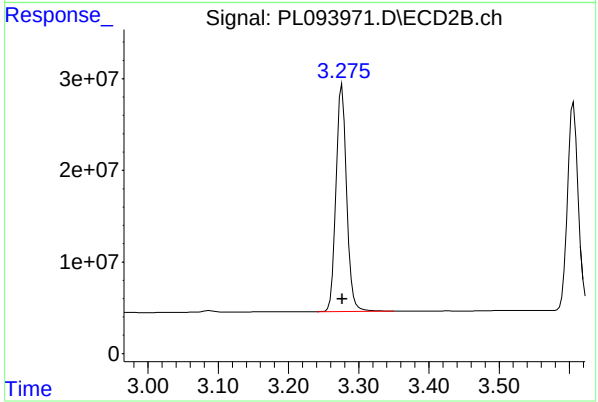
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 170615450
Conc: 52.27 ng/ml



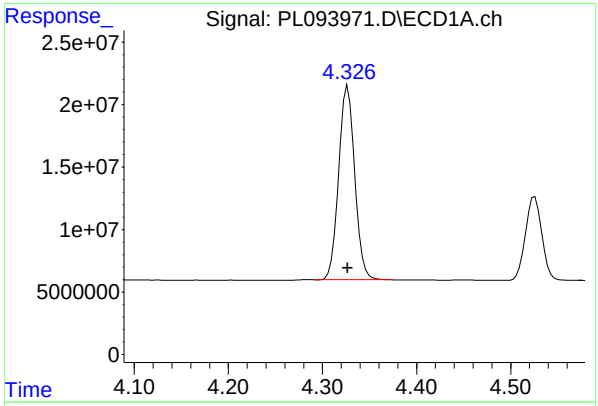
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 197929895
Conc: 51.63 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 259690513
Conc: 53.12 ng/ml



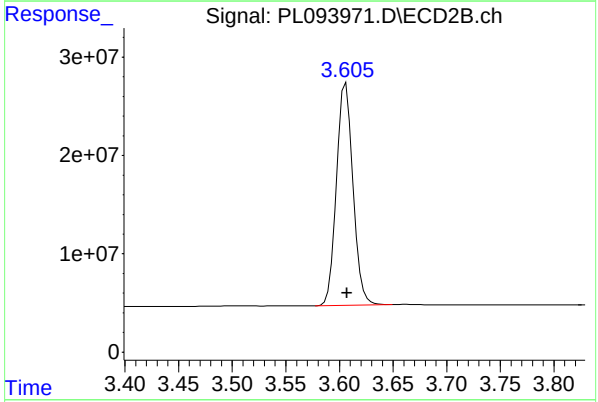
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 184303795
Conc: 50.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

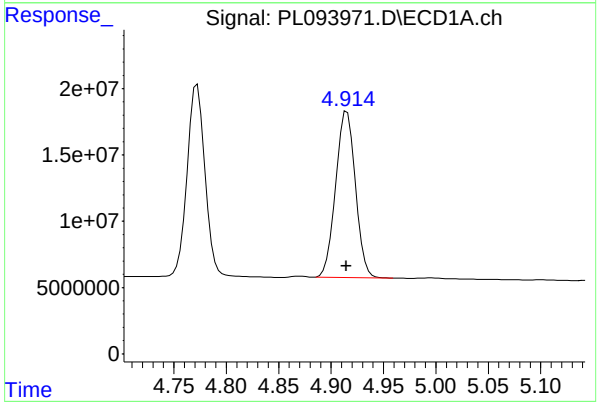
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



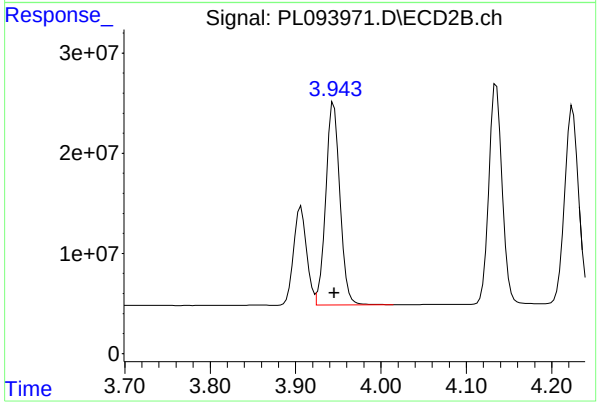
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 242279064
Conc: 51.10 ng/ml



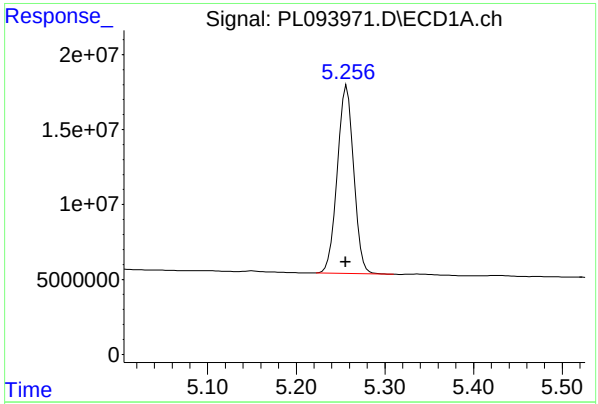
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 164258733
Conc: 50.12 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 233773504
Conc: 50.22 ng/ml



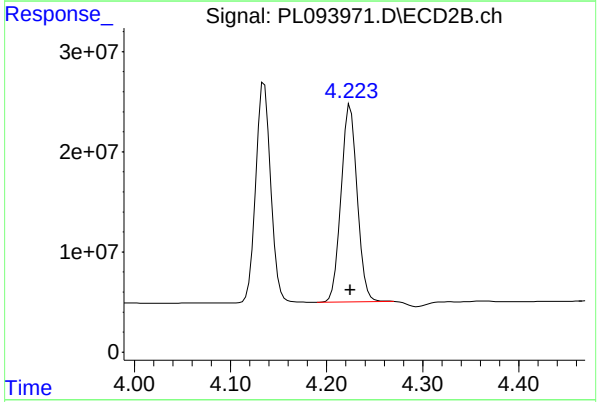
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 160808163
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

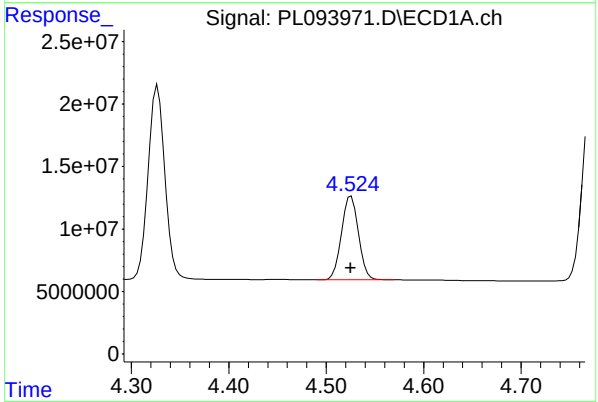
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



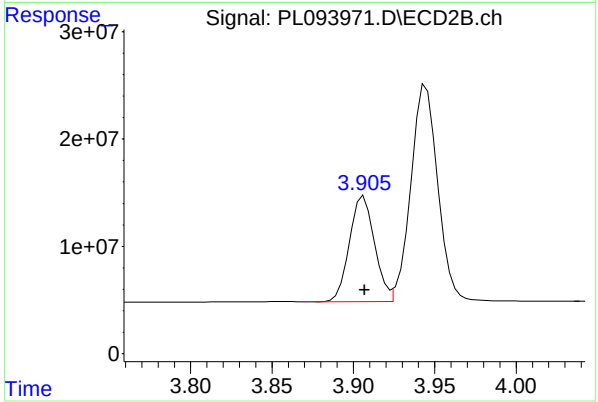
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 228224277
Conc: 50.03 ng/ml



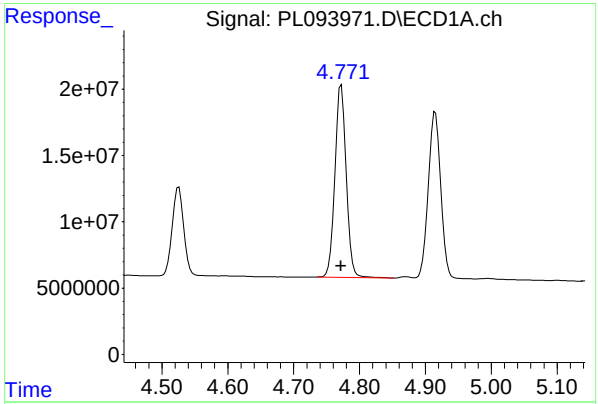
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 81125313
Conc: 50.47 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 105619555
Conc: 52.88 ng/ml



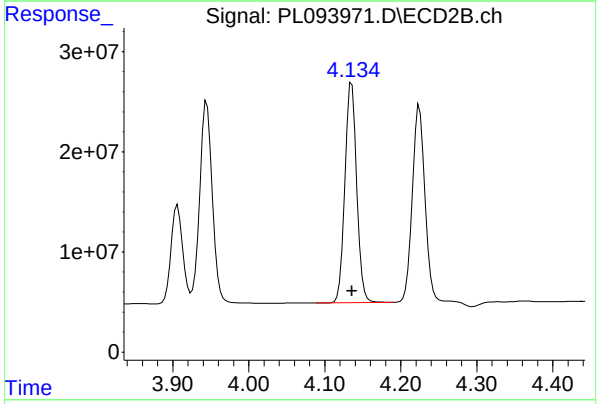
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 173193791
Conc: 49.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

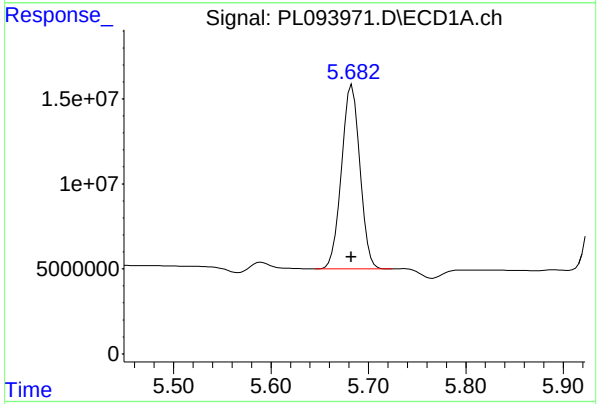
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



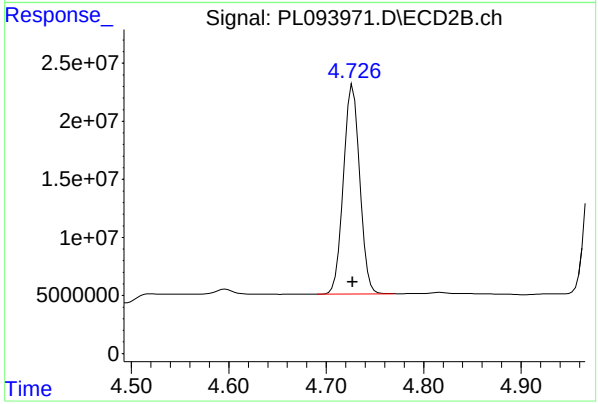
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 237802685
Conc: 50.05 ng/ml



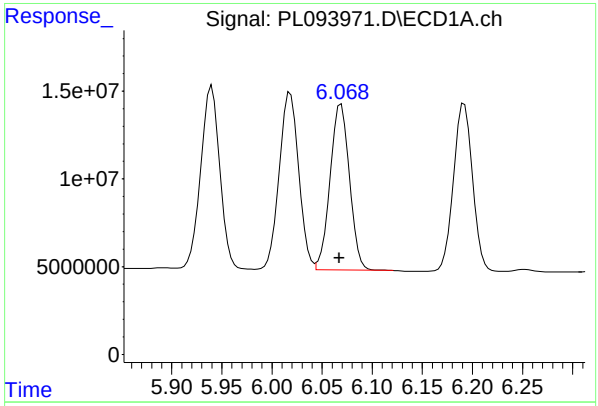
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 142110295
Conc: 47.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 209288866
Conc: 50.07 ng/ml



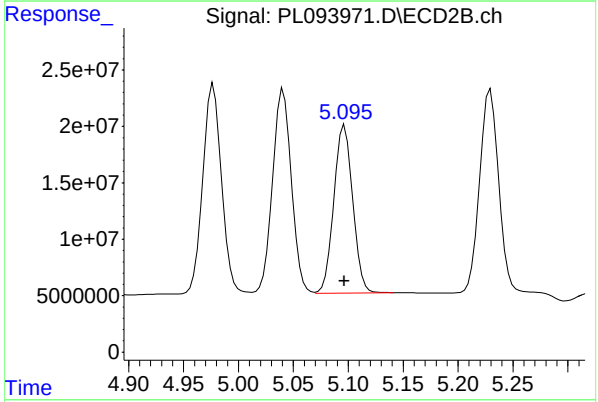
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 127025462
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

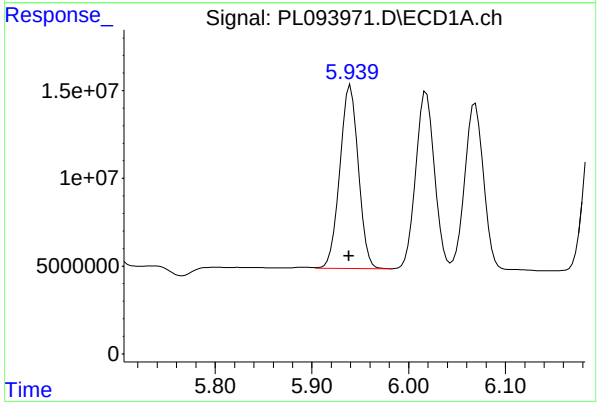
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



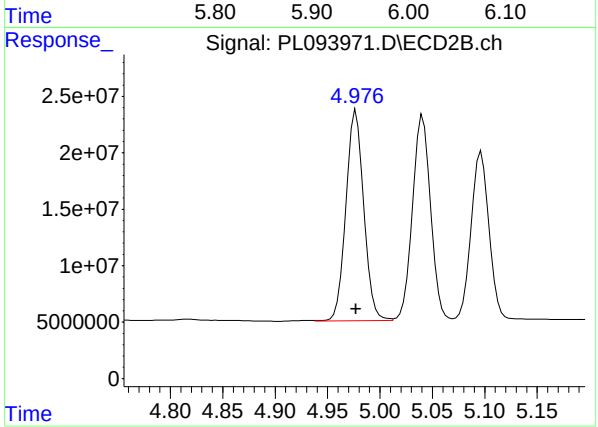
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 177320788
Conc: 45.74 ng/ml



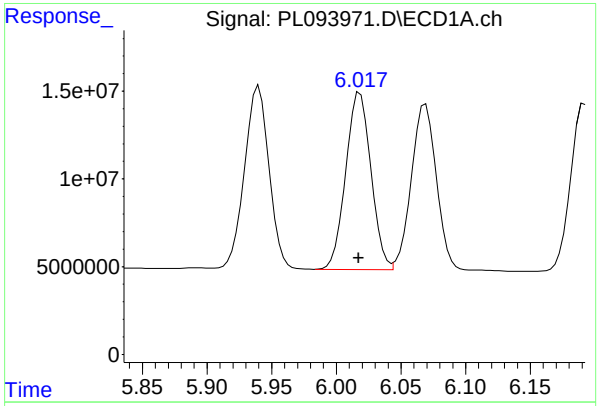
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.002 min
Response: 138116385
Conc: 49.55 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 222332589
Conc: 52.47 ng/ml



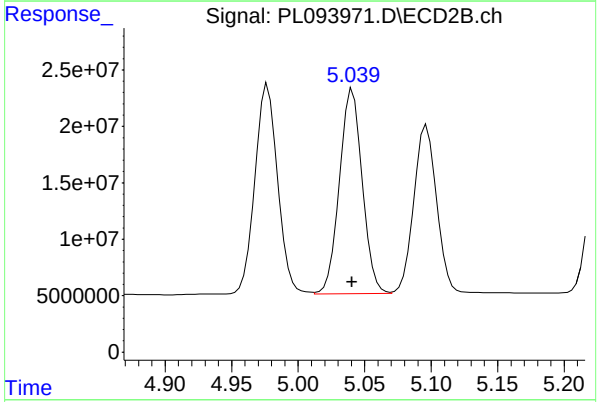
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.001 min
Response: 136776971
Conc: 49.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

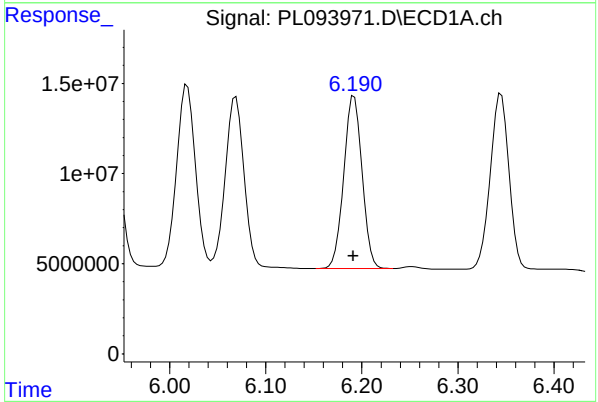
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



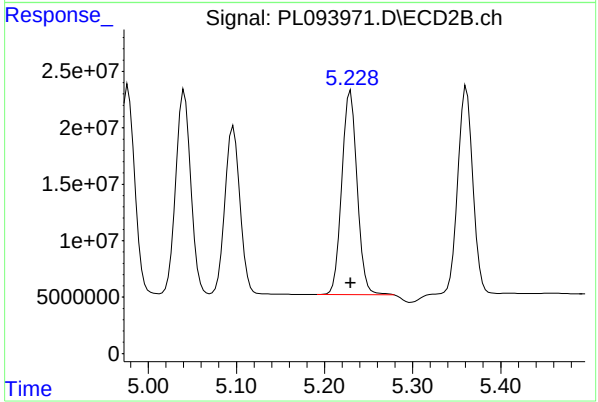
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 216520758
Conc: 51.72 ng/ml



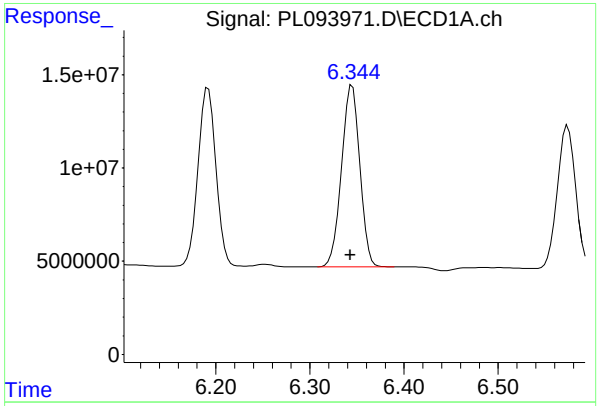
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 126294058
Conc: 51.87 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 218947610
Conc: 54.61 ng/ml



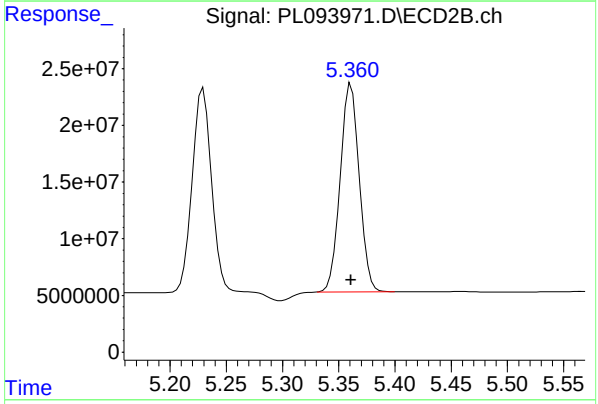
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 131914872
Conc: 47.52 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

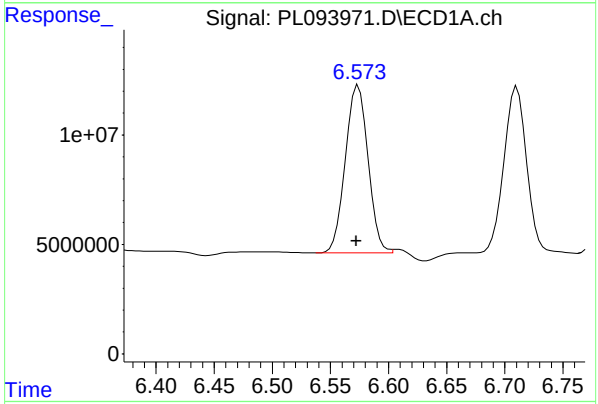
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



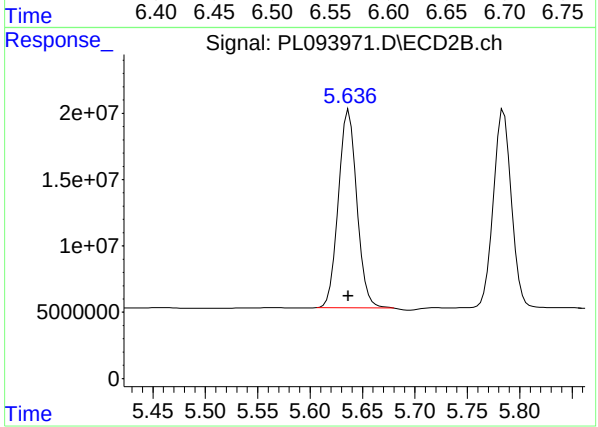
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 216891243
Conc: 50.49 ng/ml



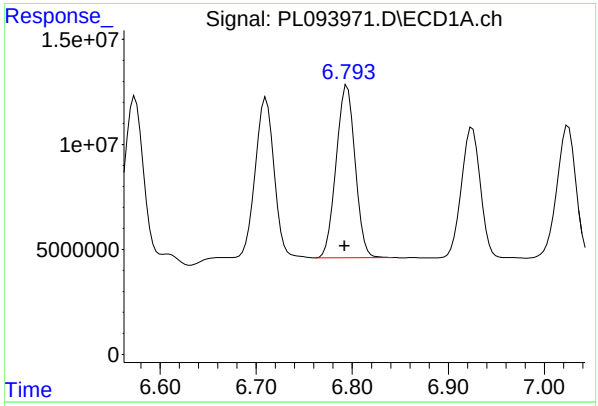
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 104266266
Conc: 44.47 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 183753883
Conc: 49.76 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 111631719
Conc: 46.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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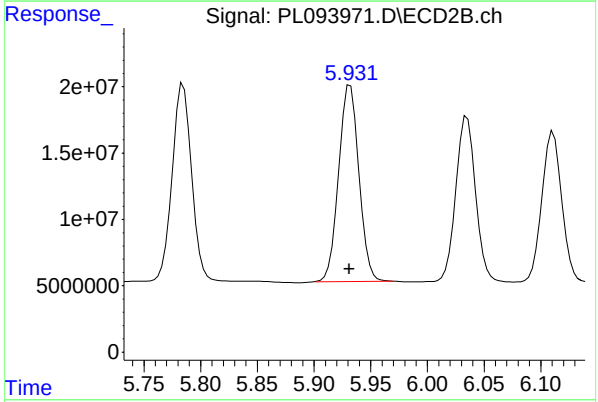
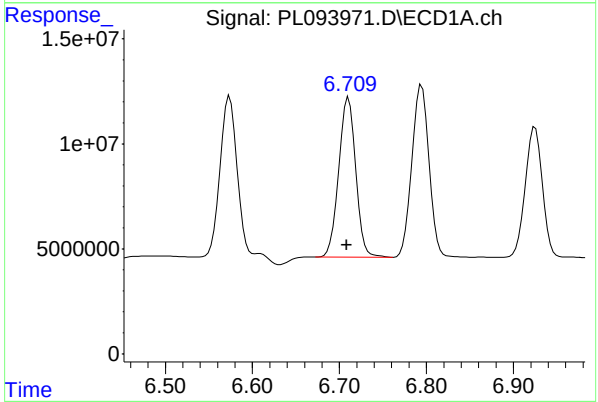
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



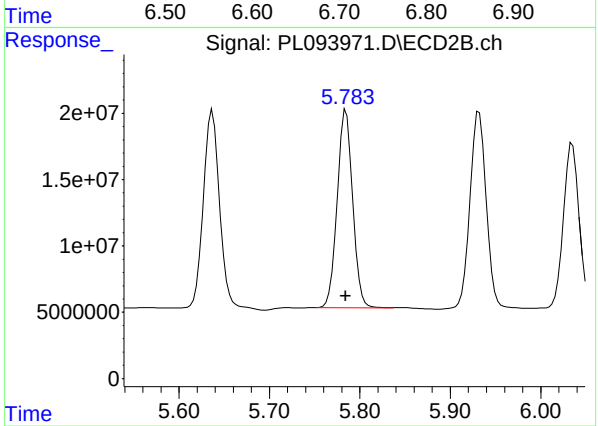
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 183774349
Conc: 49.62 ng/ml



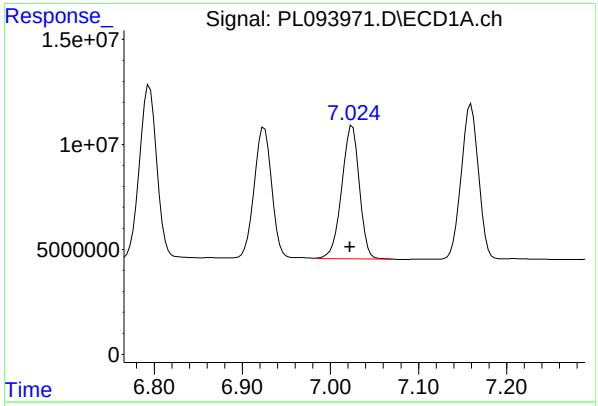
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.002 min
Response: 104011017
Conc: 54.73 ng/ml



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 177390621
Conc: 56.20 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.003 min
Response: 88412487
Conc: 44.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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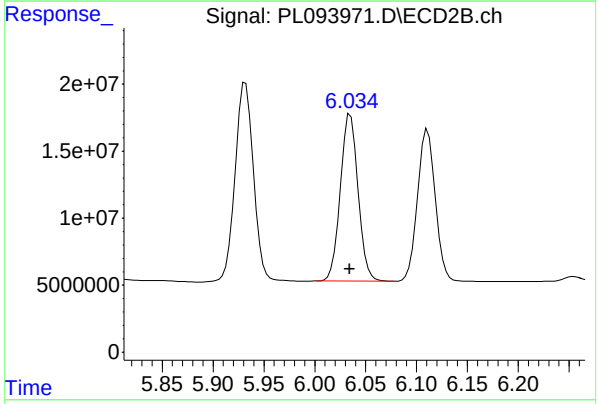
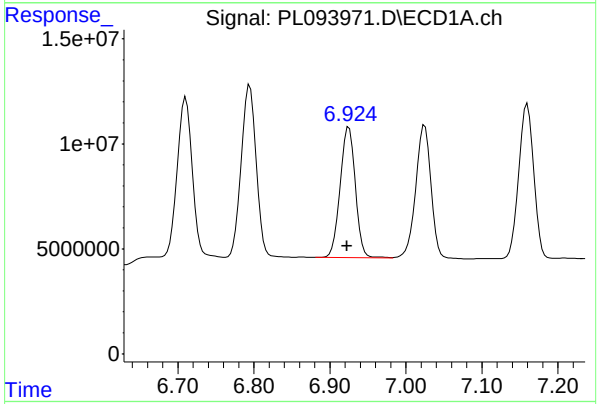


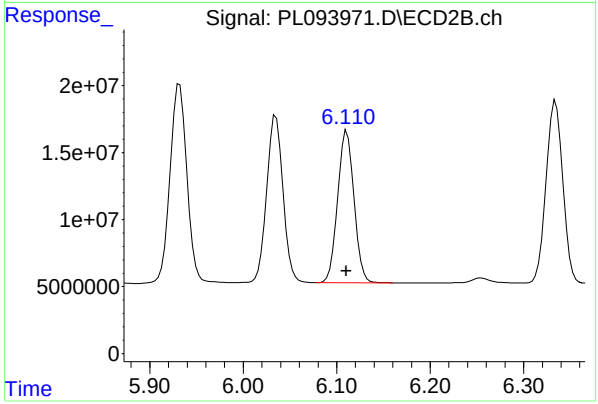
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 151169658
Conc: 46.46 ng/ml



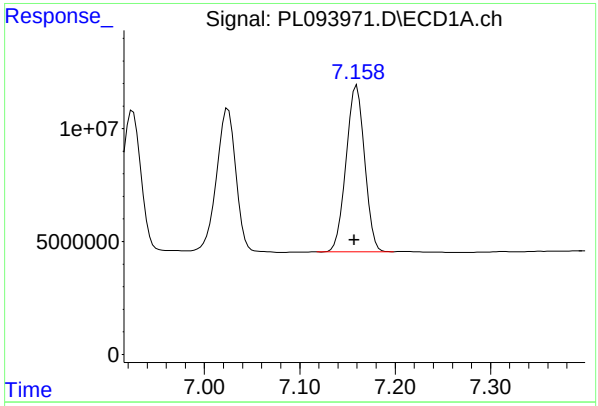
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 86568776
Conc: 44.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 138148088
Conc: 45.37 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.003 min
Response: 100219540
Conc: 44.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
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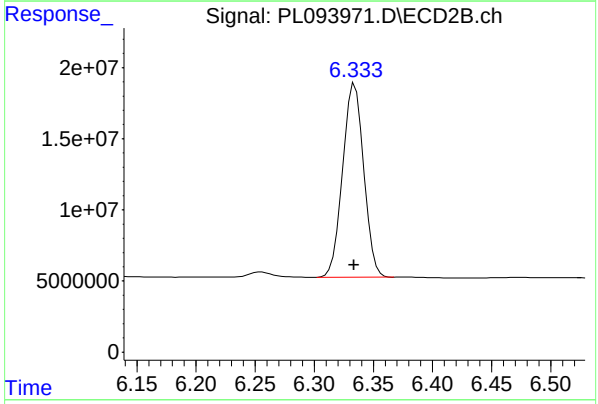
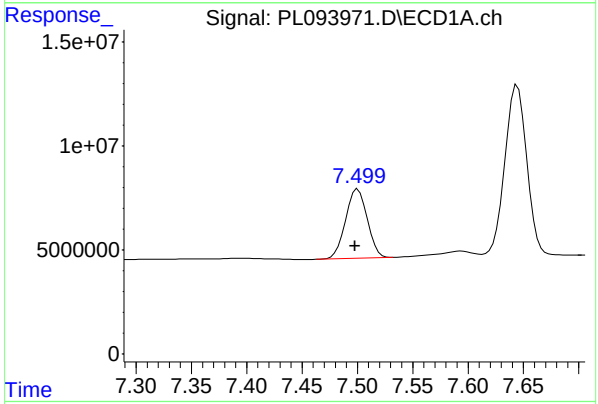


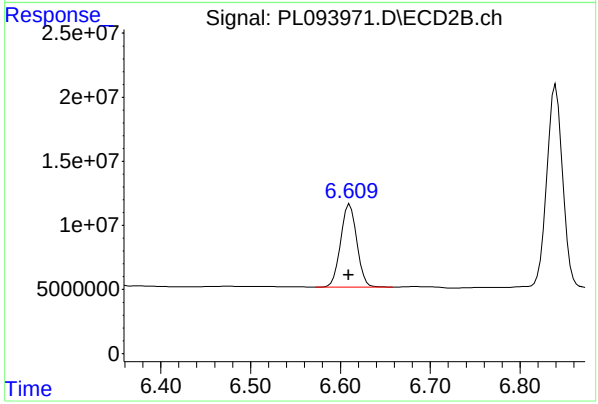
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 169037546
Conc: 47.40 ng/ml



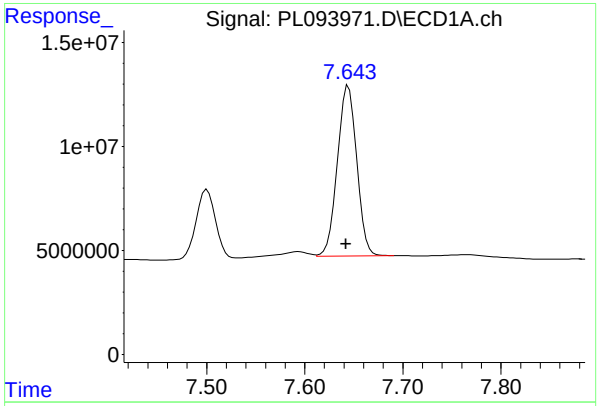
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.003 min
Response: 45529670
Conc: 43.64 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.001 min
Response: 80874445
Conc: 45.23 ng/ml



#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 112662187
Conc: 44.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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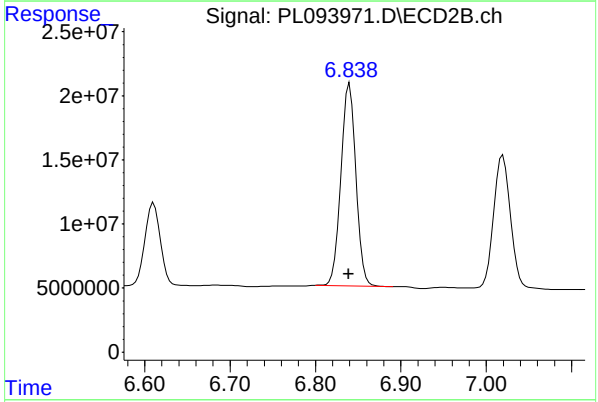
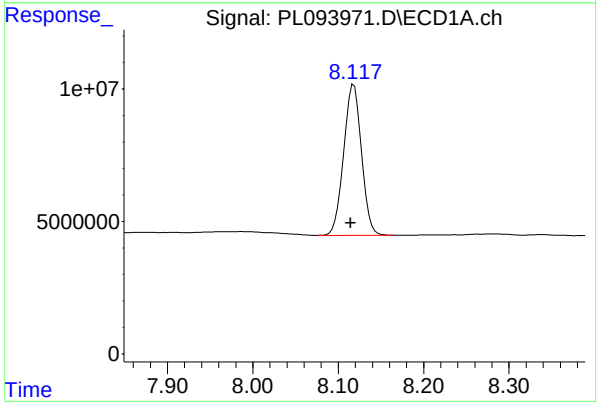
Supervised By :Ankita Jodhani 02/03/2025



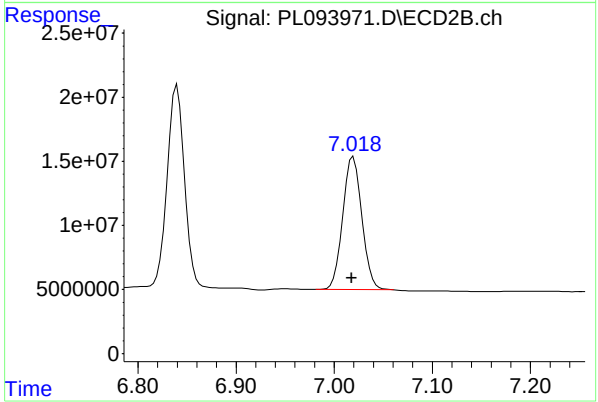
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 192435988
Conc: 45.87 ng/ml



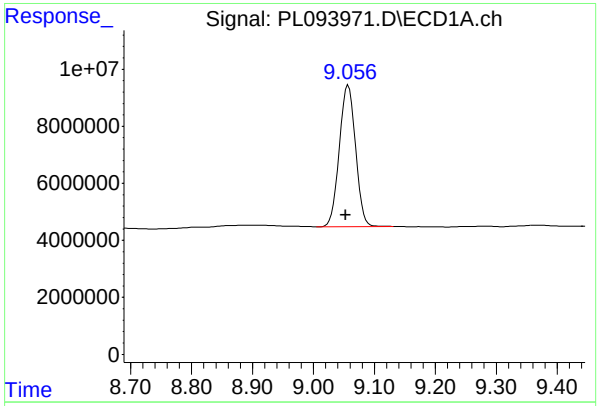
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.004 min
Response: 82894240
Conc: 39.81 ng/ml



#22 Mirex

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 140640985
Conc: 41.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.004 min
Response: 92166830
Conc: 44.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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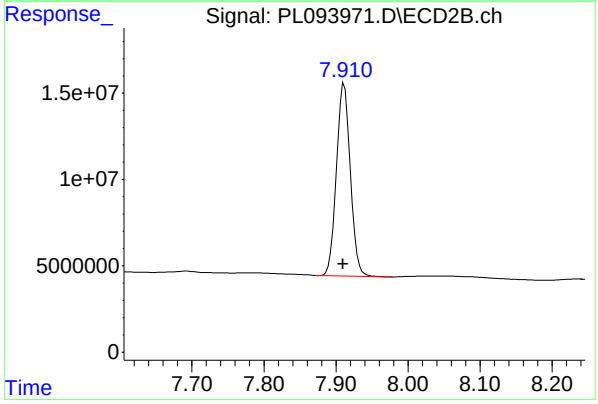
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 148352395
Conc: 42.34 ng/ml

Raw Data: **PL093978.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 02:56 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	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	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL093978.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 02:56 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.04	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL093978.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/01/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093978.D **Time Analyzed:** 02:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	54.040	50.000	8.1
4,4'-DDE	6.192	6.091	6.291	50.390	50.000	0.8
4,4'-DDT	7.024	6.922	7.122	41.300	50.000	-17.4
Aldrin	5.256	5.156	5.356	47.580	50.000	-4.8
alpha-BHC	3.994	3.895	4.095	50.300	50.000	0.6
alpha-Chlordane	6.018	5.917	6.117	47.510	50.000	-5.0
beta-BHC	4.524	4.425	4.625	49.340	50.000	-1.3
Decachlorobiphenyl	9.056	8.953	9.153	43.190	50.000	-13.6
delta-BHC	4.772	4.672	4.872	47.870	50.000	-4.3
Dieldrin	6.344	6.243	6.443	46.180	50.000	-7.6
Endosulfan I	6.069	5.967	6.167	46.540	50.000	-6.9
Endosulfan II	6.794	6.692	6.892	44.560	50.000	-10.9
Endosulfan sulfate	7.159	7.057	7.257	42.410	50.000	-15.2
Endrin	6.572	6.472	6.672	43.270	50.000	-13.5
Endrin aldehyde	6.924	6.823	7.023	43.010	50.000	-14.0
Endrin ketone	7.644	7.542	7.742	42.580	50.000	-14.8
gamma-BHC (Lindane)	4.326	4.227	4.427	48.630	50.000	-2.7
gamma-Chlordane	5.939	5.838	6.038	48.450	50.000	-3.1
Heptachlor	4.915	4.814	5.014	47.510	50.000	-5.0
Heptachlor epoxide	5.683	5.582	5.782	46.030	50.000	-7.9
Methoxychlor	7.500	7.398	7.598	40.730	50.000	-18.5
Tetrachloro-m-xylene	3.537	3.439	3.639	50.140	50.000	0.3

Raw Data: **PL093978.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/01/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093978.D **Time Analyzed:** 02:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.784	5.684	5.884	56.720	50.000	13.4
4,4'-DDE	5.229	5.130	5.330	52.970	50.000	5.9
4,4'-DDT	6.035	5.934	6.134	43.150	50.000	-13.7
Aldrin	4.224	4.125	4.325	48.890	50.000	-2.2
alpha-BHC	3.276	3.177	3.377	51.570	50.000	3.1
alpha-Chlordane	5.040	4.940	5.140	50.170	50.000	0.3
beta-BHC	3.906	3.807	4.007	51.640	50.000	3.3
Decachlorobiphenyl	7.911	7.810	8.010	41.330	50.000	-17.3
delta-BHC	4.135	4.036	4.236	48.860	50.000	-2.3
Dieldrin	5.361	5.261	5.461	48.850	50.000	-2.3
Endosulfan I	5.096	4.996	5.196	44.640	50.000	-10.7
Endosulfan II	5.932	5.831	6.031	48.980	50.000	-2.0
Endosulfan sulfate	6.333	6.233	6.433	46.240	50.000	-7.5
Endrin	5.636	5.536	5.736	48.540	50.000	-2.9
Endrin aldehyde	6.111	6.010	6.210	44.410	50.000	-11.2
Endrin ketone	6.839	6.739	6.939	45.150	50.000	-9.7
gamma-BHC (Lindane)	3.606	3.507	3.707	49.720	50.000	-0.6
gamma-Chlordane	4.977	4.877	5.077	51.180	50.000	2.4
Heptachlor	3.944	3.845	4.045	47.890	50.000	-4.2
Heptachlor epoxide	4.726	4.627	4.827	48.980	50.000	-2.0
Methoxychlor	6.610	6.509	6.709	41.430	50.000	-17.1
Tetrachloro-m-xylene	2.774	2.674	2.874	51.060	50.000	2.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 02:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:46:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.537	2.774	135.0E6	166.7E6	50.143	51.065
28)	SA	Decachlor...	9.056	7.911	90345569	144.8E6	43.188	41.328
		Target Compounds						
2)	A	alpha-BHC	3.994	3.276	192.8E6	252.1E6	50.302	51.567
3)	MA	gamma-BHC...	4.326	3.606	179.1E6	235.8E6	48.625	49.724
4)	MA	Heptachlor	4.915	3.944	155.7E6	222.9E6	47.515	47.893
5)	MB	Aldrin	5.256	4.224	155.7E6	223.0E6	47.580	48.892
6)	B	beta-BHC	4.524	3.906	79302485	103.2E6	49.338	51.645
7)	B	delta-BHC	4.772	4.135	167.8E6	232.1E6	47.873	48.857
8)	B	Heptachlo...	5.683	4.726	136.9E6	204.7E6	46.033	48.980
9)	A	Endosulfan I	6.069	5.096	123.0E6	173.1E6	46.543	44.645
10)	B	gamma-Chl...	5.939	4.977	135.0E6	216.9E6	48.449	51.182
11)	B	alpha-Chl...	6.018	5.040	132.5E6	210.0E6	47.510	50.168
12)	B	4,4'-DDE	6.192	5.229	122.7E6	212.4E6	50.386	52.968
13)	MA	Dieldrin	6.344	5.361	128.2E6	209.8E6	46.180	48.845
14)	MA	Endrin	6.572	5.636	101.5E6	179.2E6	43.271m	48.540
15)	B	Endosulfa...	6.794	5.932	107.4E6	181.4E6	44.562	48.983
16)	A	4,4'-DDD	6.709	5.784	102.7E6	179.0E6	54.036	56.716
17)	MA	4,4'-DDT	7.024	6.035	81452944	140.4E6	41.304	43.152
18)	B	Endrin al...	6.924	6.111	83623257	135.2E6	43.015	44.412
19)	B	Endosulfa...	7.159	6.333	95996627	164.9E6	42.406	46.236
20)	A	Methoxychlor	7.500	6.610	42500122	74074969	40.732	41.426
21)	B	Endrin ke...	7.644	6.839	107.4E6	189.4E6	42.578	45.145
22)		Mirex	8.118	7.019	77974187	139.5E6	37.443	41.239

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 02:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

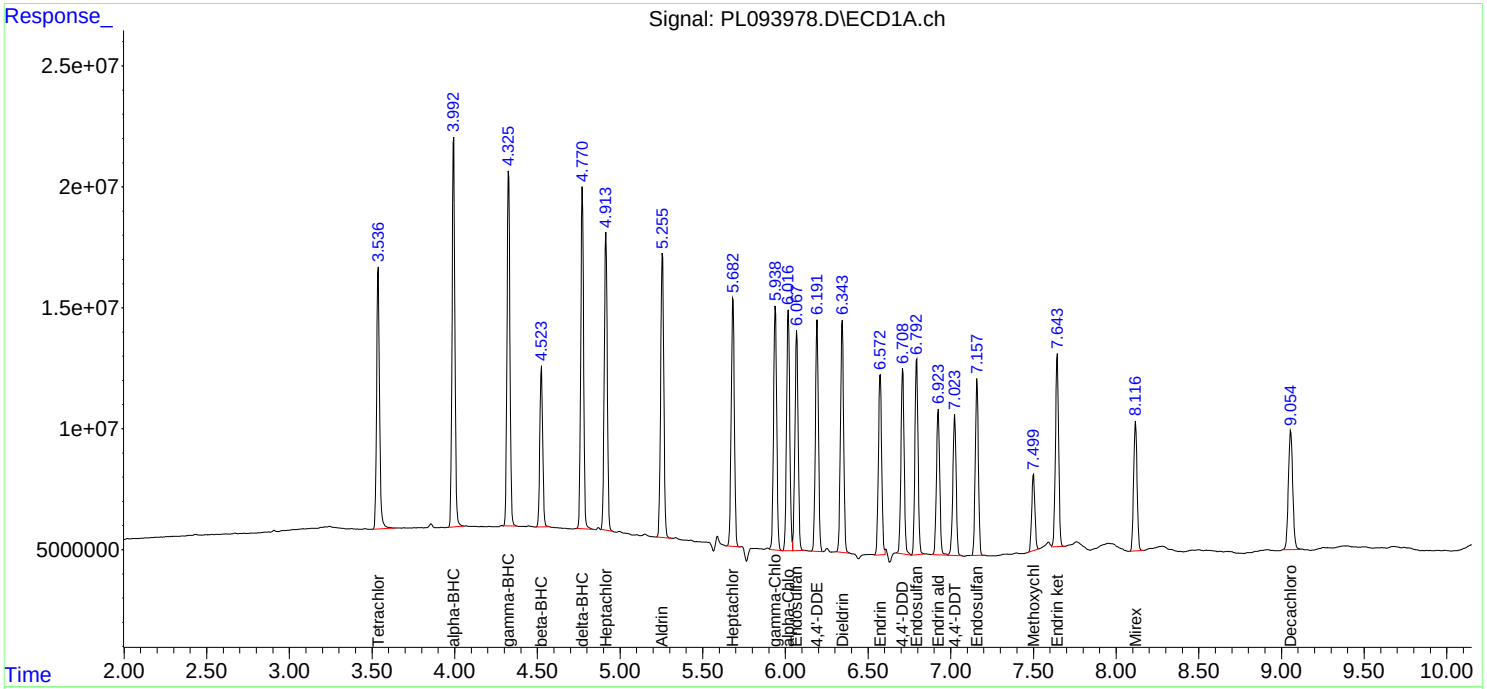
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

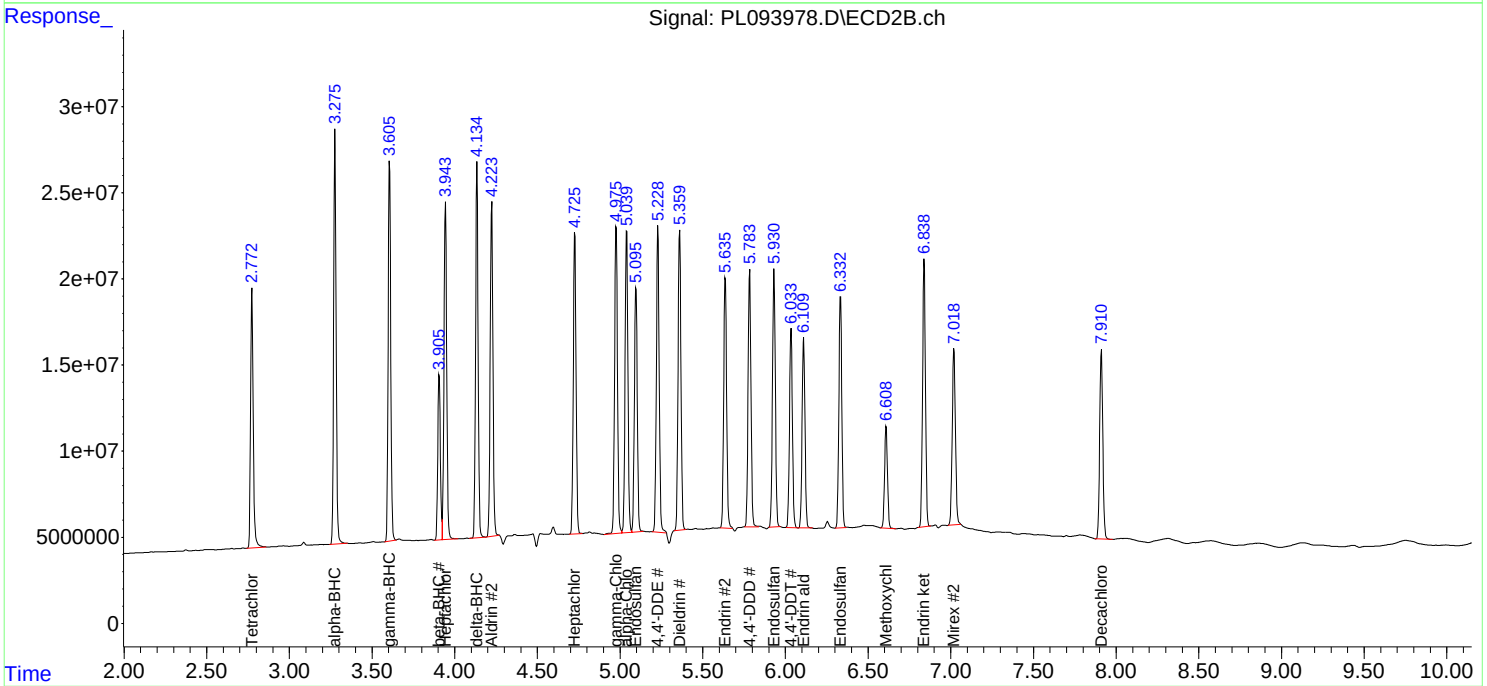
Manual Integrations APPROVED

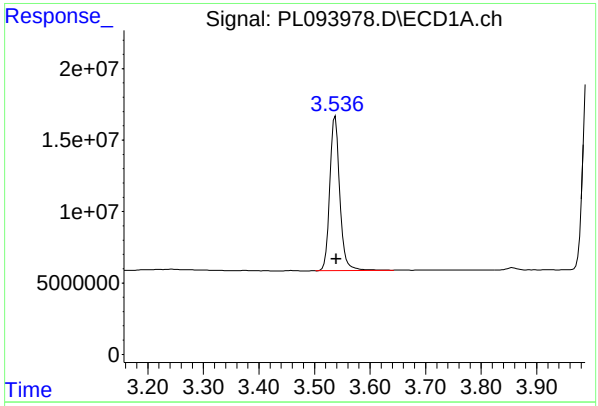
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:46:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







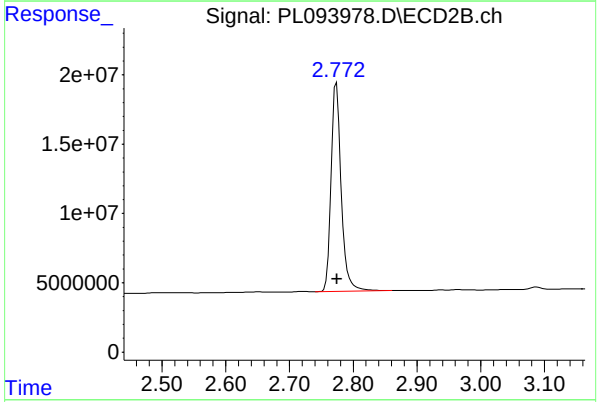
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 135023751
Conc: 50.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

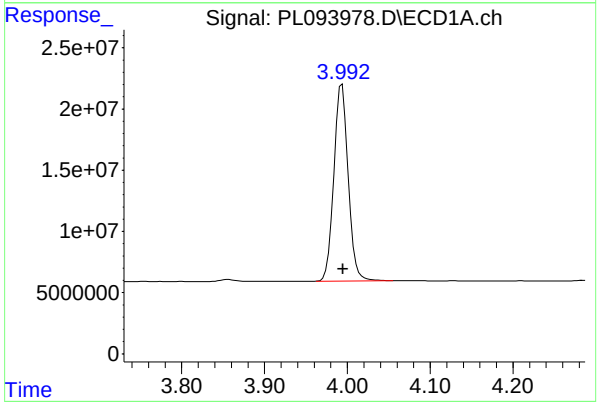
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



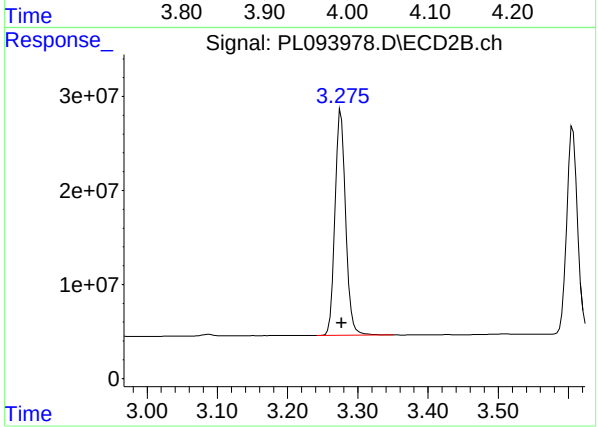
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 166682921
Conc: 51.06 ng/ml



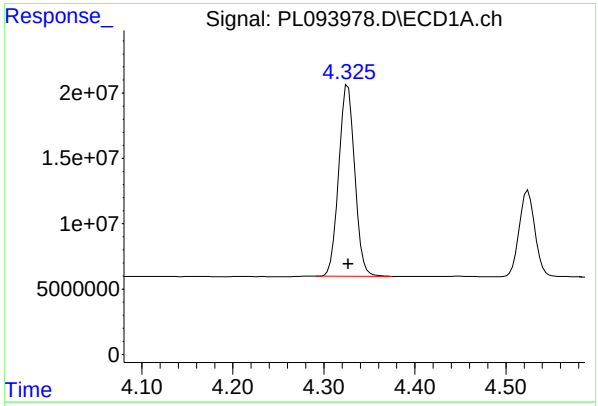
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 192849738
Conc: 50.30 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 252110593
Conc: 51.57 ng/ml



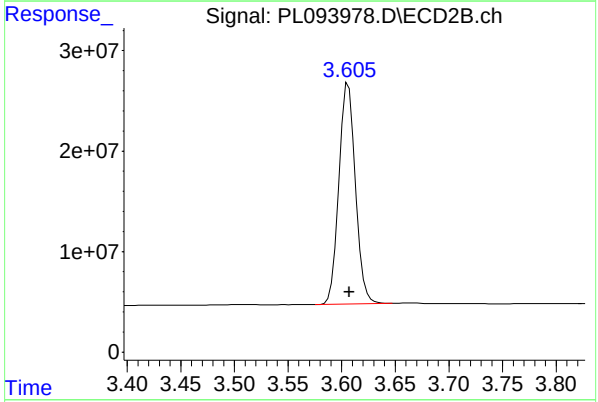
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 179078912
Conc: 48.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

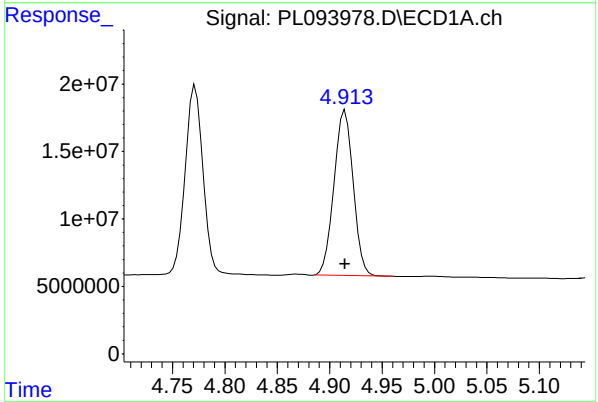
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



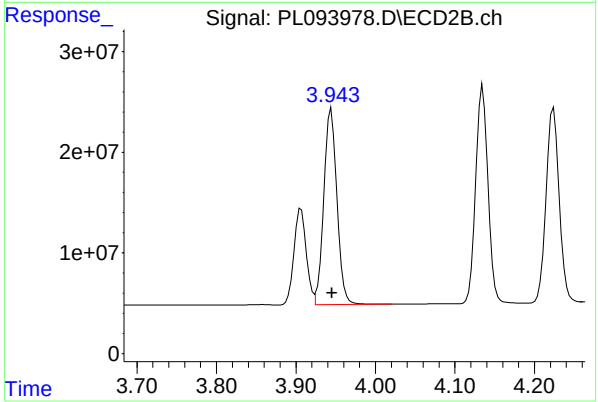
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 235751018
Conc: 49.72 ng/ml



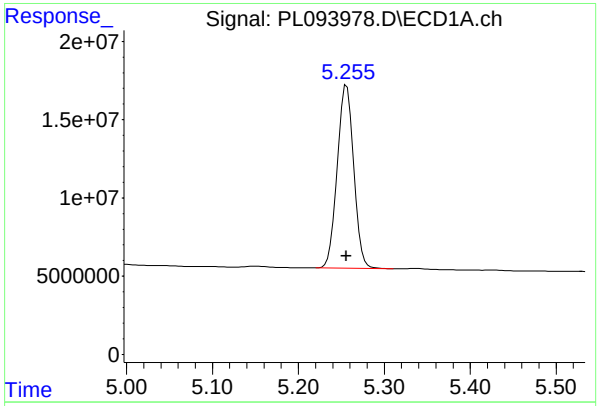
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 155722242
Conc: 47.51 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 222929755
Conc: 47.89 ng/ml



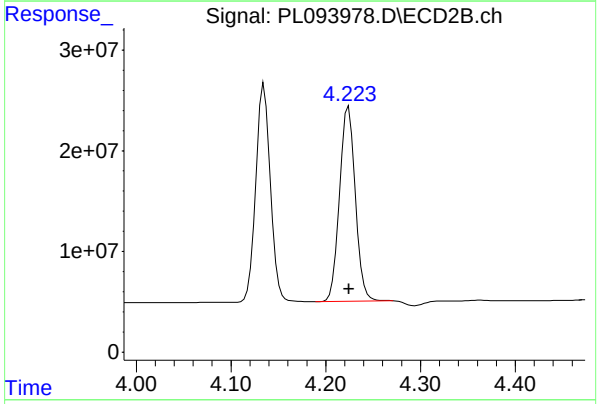
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 155681198
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

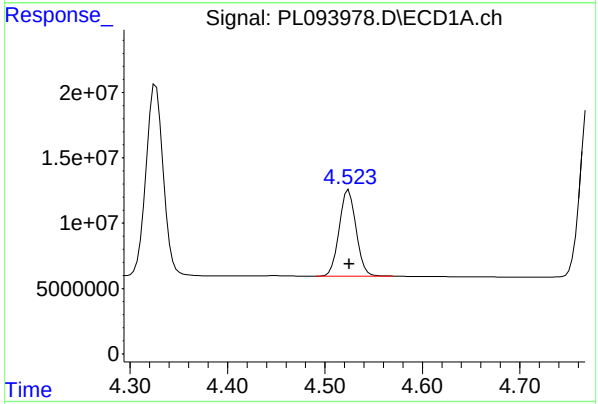
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



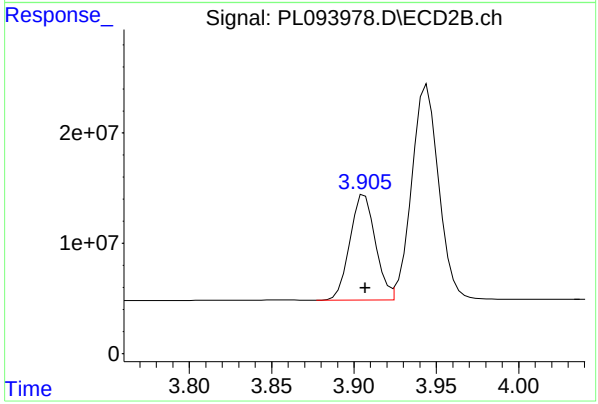
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 223033193
Conc: 48.89 ng/ml



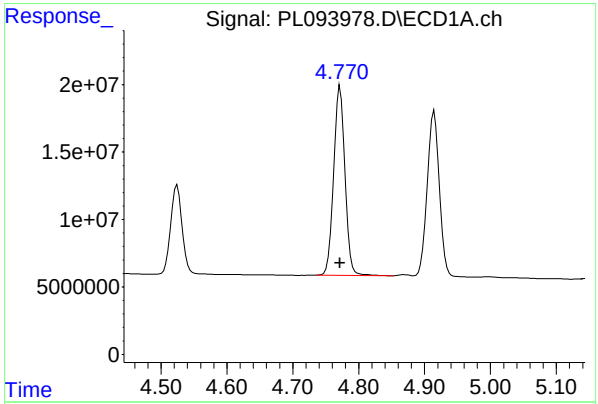
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79302485
Conc: 49.34 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 103156969
Conc: 51.64 ng/ml



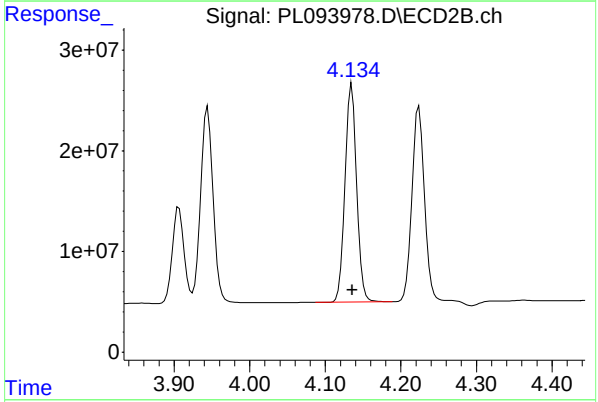
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 167807984
Conc: 47.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

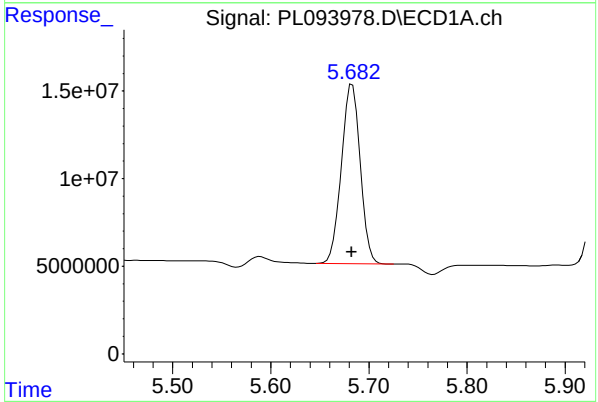
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



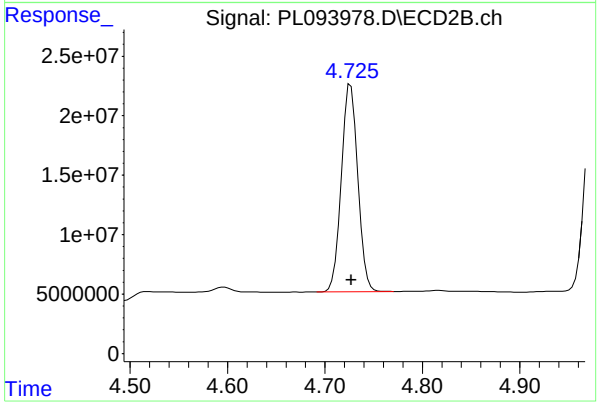
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 232131155
Conc: 48.86 ng/ml



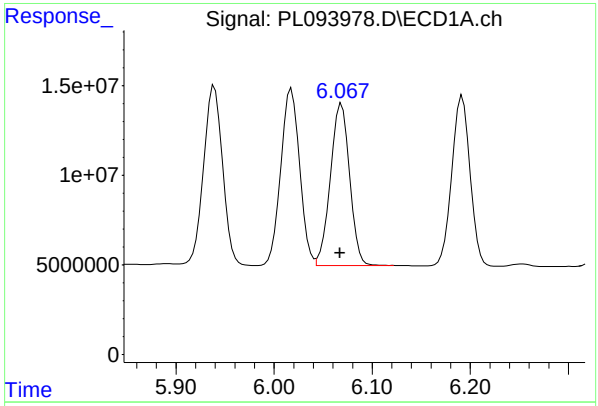
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 136892981
Conc: 46.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 204747340
Conc: 48.98 ng/ml



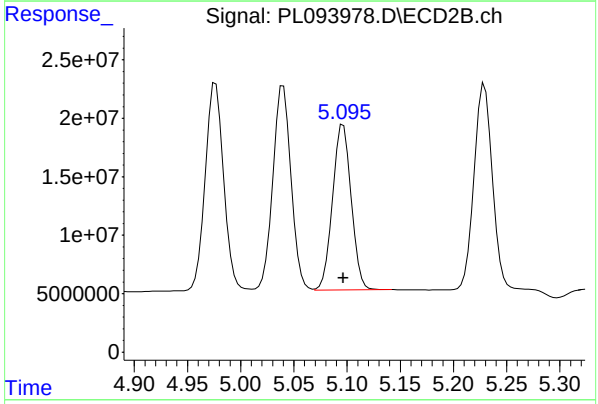
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.001 min
Response: 123005496
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

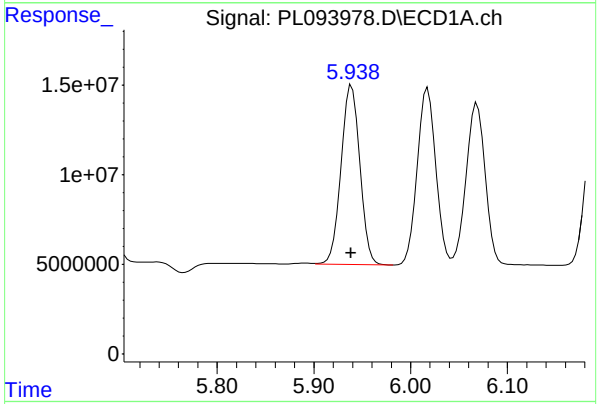
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



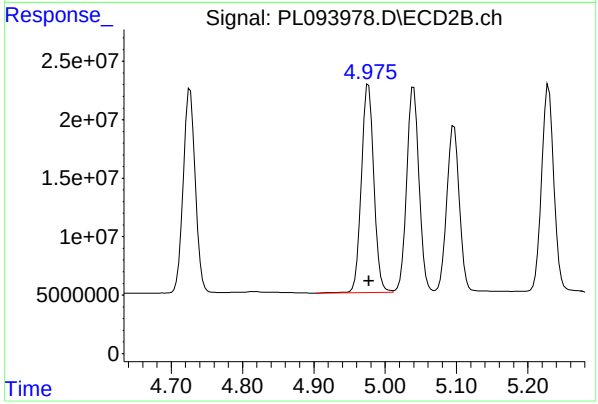
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 173084150
Conc: 44.64 ng/ml



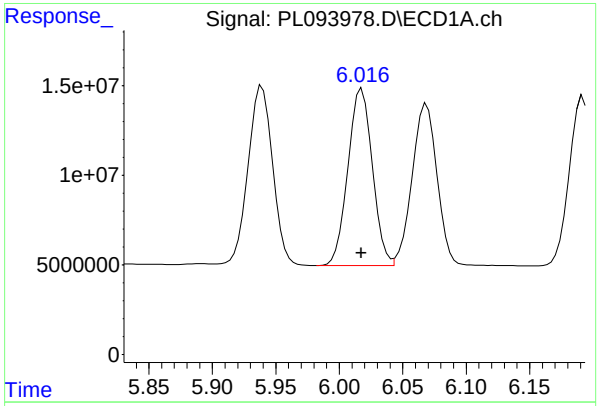
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 135044934
Conc: 48.45 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 216887967
Conc: 51.18 ng/ml



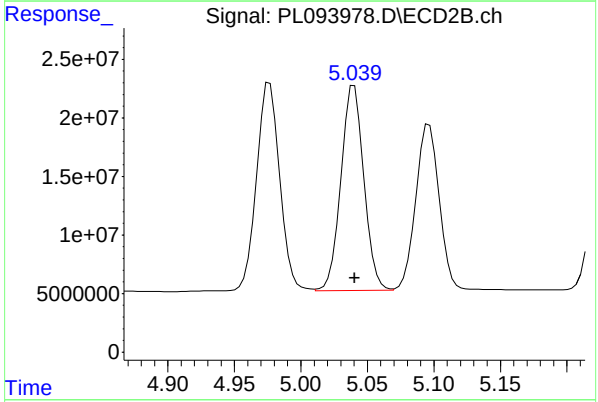
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 132477447
Conc: 47.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

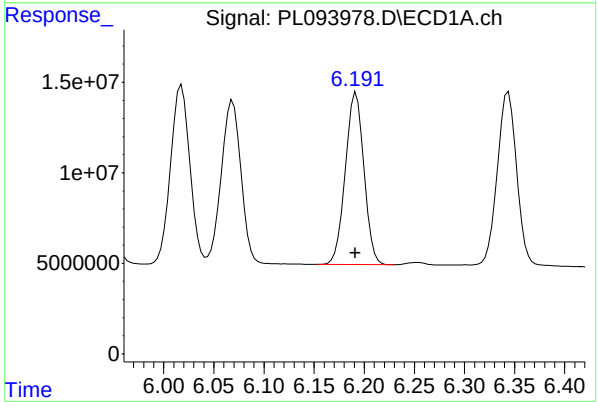
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



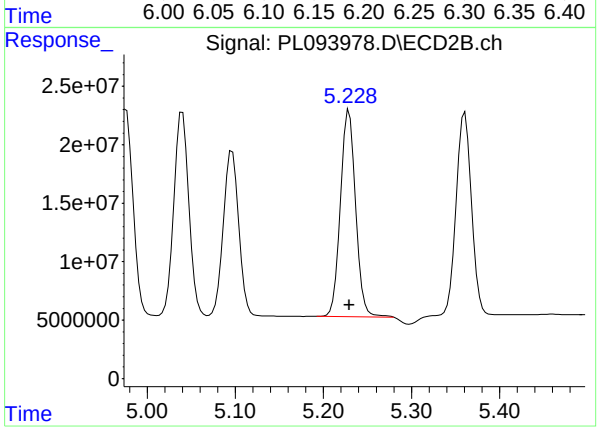
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 210031690
Conc: 50.17 ng/ml



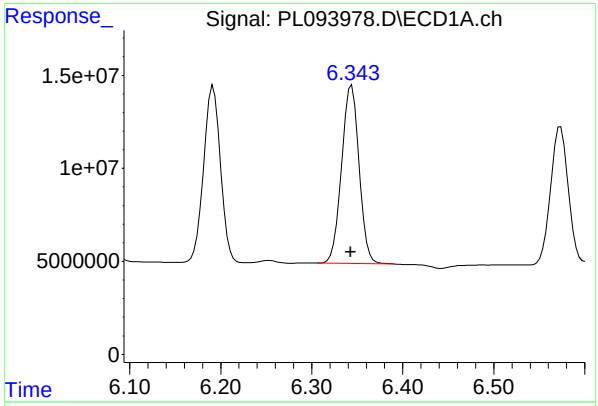
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 122670251
Conc: 50.39 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 212374988
Conc: 52.97 ng/ml



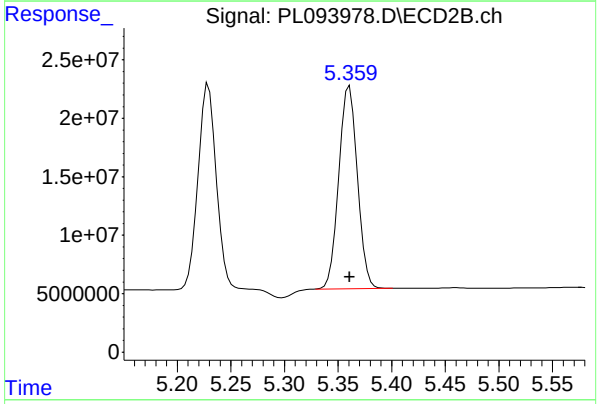
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.001 mi
Response: 128189241
Conc: 46.18 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

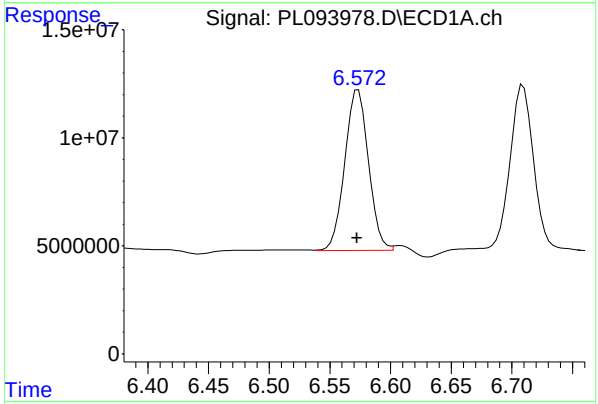
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



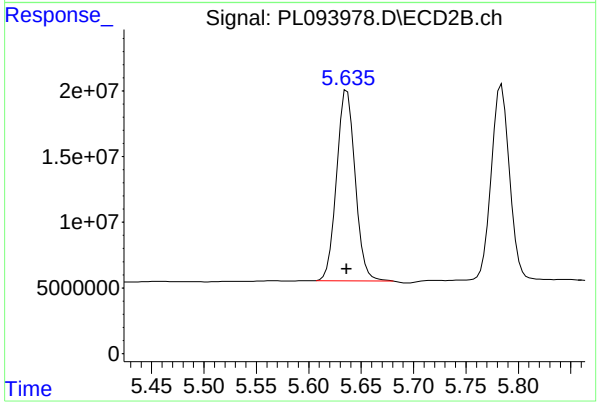
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 209822075
Conc: 48.85 ng/ml



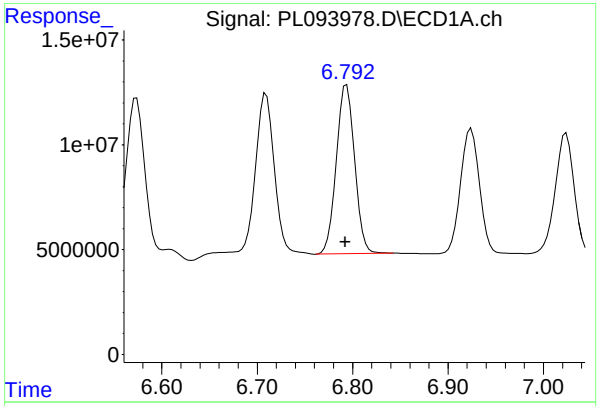
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 101462567
Conc: 43.27 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 179241334
Conc: 48.54 ng/ml



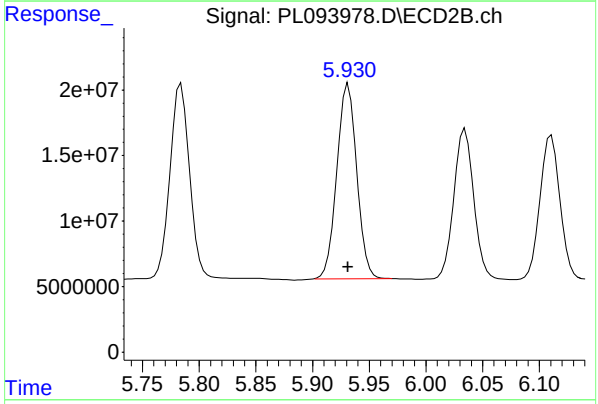
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 107365909
Conc: 44.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

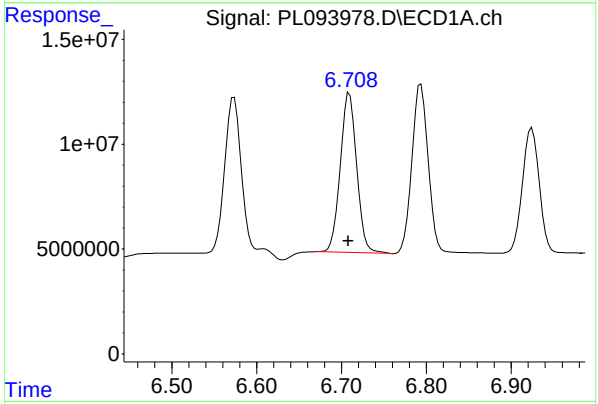
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



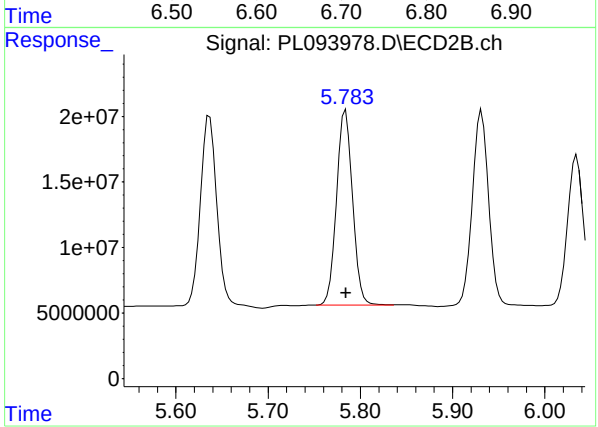
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 181425253
Conc: 48.98 ng/ml



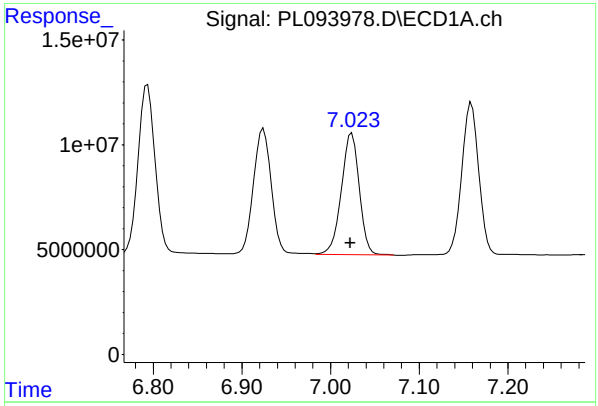
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 102698362
Conc: 54.04 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 179025392
Conc: 56.72 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 81452944
Conc: 41.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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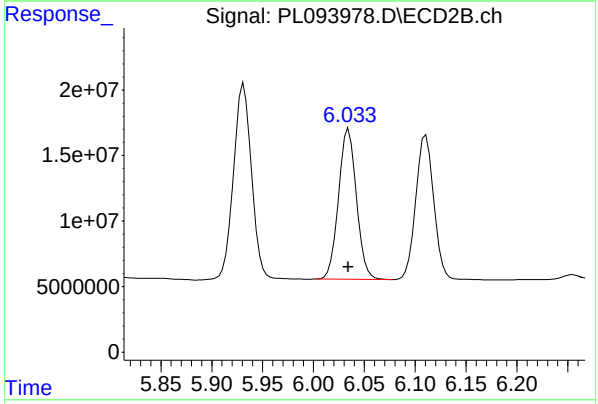
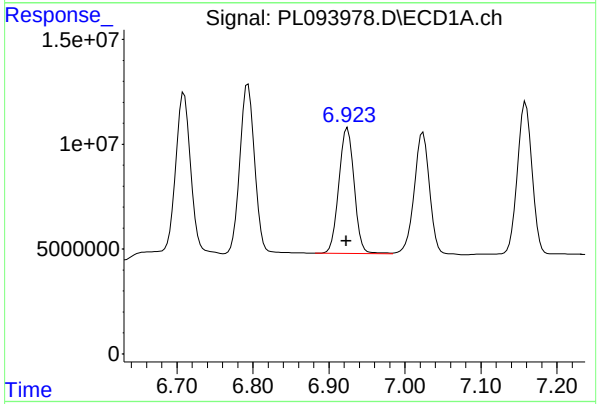


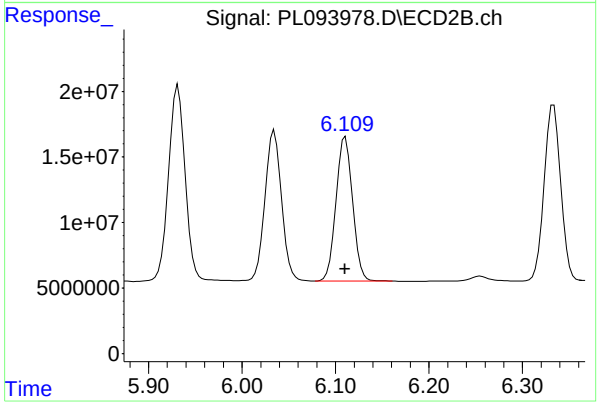
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 140420169
Conc: 43.15 ng/ml



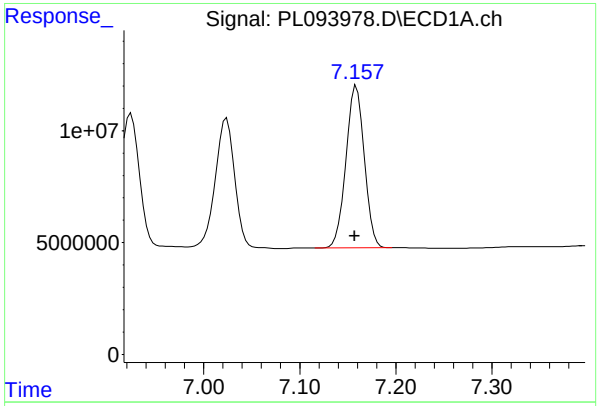
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 83623257
Conc: 43.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 135217802
Conc: 44.41 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 95996627
Conc: 42.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
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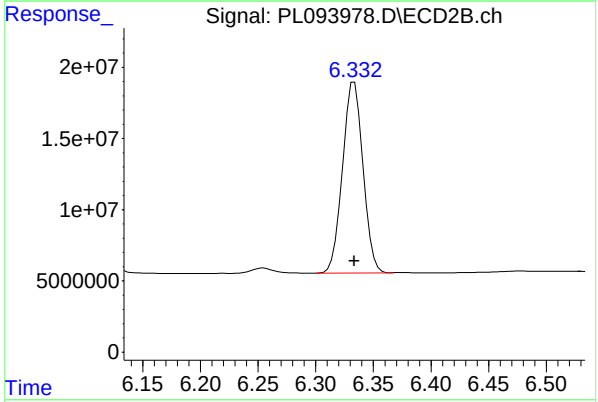
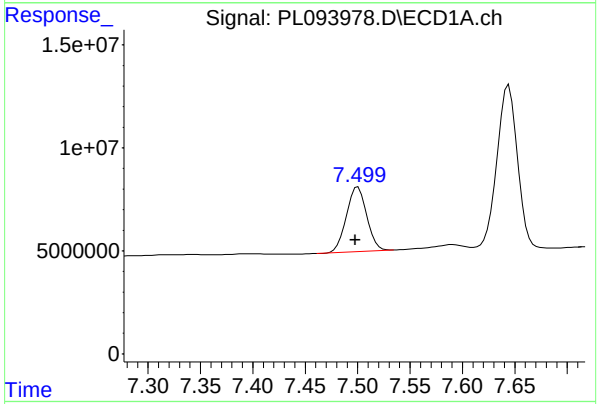


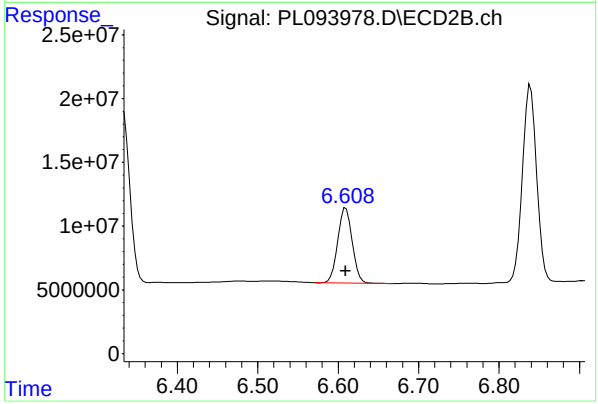
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 164881075
Conc: 46.24 ng/ml



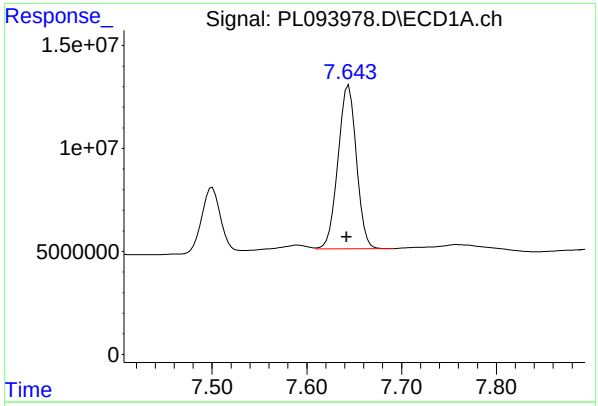
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 42500122
Conc: 40.73 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 74074969
Conc: 41.43 ng/ml



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 107408416
Conc: 42.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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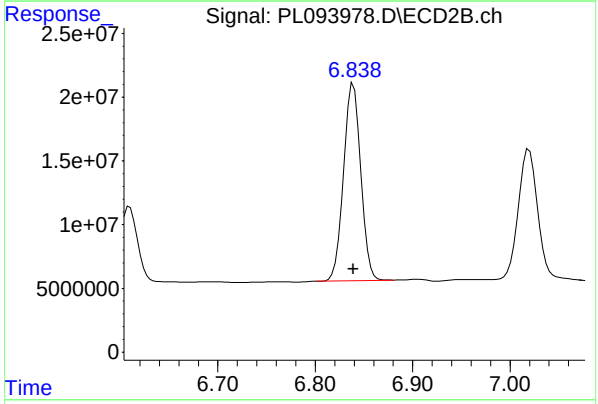
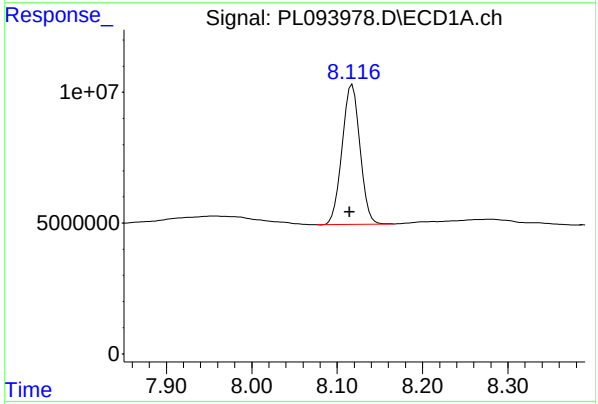


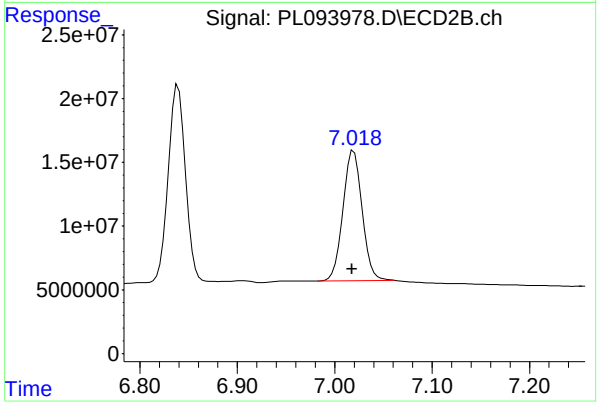
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 189395977
Conc: 45.15 ng/ml



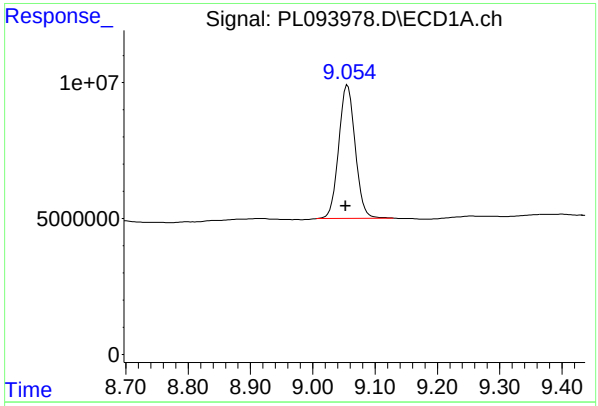
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 77974187
Conc: 37.44 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 139467282
Conc: 41.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 90345569
Conc: 43.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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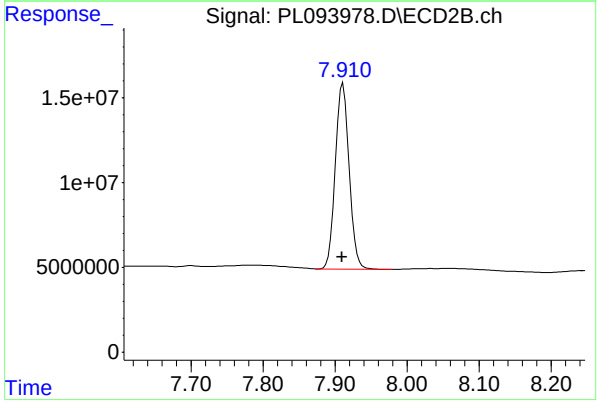

#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 144816866
Conc: 41.33 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.052	8.950	9.150	18.070	20.000	-9.7
Tetrachloro-m-xylene	3.538	3.490	3.590	18.530	20.000	-7.4
alpha-BHC	3.994	3.940	4.040	9.490	10.000	-5.1
beta-BHC	4.525	4.470	4.580	9.790	10.000	-2.1
gamma-BHC (Lindane)	4.326	4.280	4.380	9.300	10.000	-7.0
Endrin	6.572	6.500	6.640	41.270	50.000	-17.5
4,4'-DDT	7.022	6.950	7.090	82.410	100.000	-17.6
Methoxychlor	7.498	7.430	7.570	190.380	250.000	-23.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	17.950	20.000	-10.3
Tetrachloro-m-xylene	2.775	2.720	2.830	17.900	20.000	-10.5
alpha-BHC	3.277	3.230	3.330	8.620	10.000	-13.8
beta-BHC	3.907	3.860	3.960	9.800	10.000	-2.0
gamma-BHC (Lindane)	3.607	3.560	3.660	8.300	10.000	-17.0
Endrin	5.636	5.570	5.710	42.700	50.000	-14.6
4,4'-DDT	6.034	5.960	6.100	96.510	100.000	-3.5
Methoxychlor	6.609	6.540	6.680	209.940	250.000	-16.0

PEM

Data File: PL093726.D **Date Acquired** 1/21/2025 10:30

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.57	96765136.66	105215770.7	8450634.06	**8.03**
Endrin aldehyde	6.92	3175682.472			
Endrin ketone	7.64	5274951.584			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.64	157695791.8	174071574	16375782.2	**9.41**
Endrin aldehyde #2	6.11	6776503.08			
Endrin ketone #2	6.84	9599279.119			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	162509369.8	166424298.6	3914928.76	**2.35**
4,4'-DDE	6.19	560248.444			
4,4'-DDD	6.71	3354680.315			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.03	314041690	320417432.8	6375742.79	**1.99**
4,4'-DDE #2	5.23	775353.914			
4,4'-DDD #2	5.78	5600388.877			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903	
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946	
	Target Compounds							
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624	
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299	
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797	
12)	B 4,4'-DDE	6.193	5.230	560248	775354	0.230m	0.193	
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705	
16)	A 4,4'-DDD	6.707	5.785	3354680	5600389	1.765m	1.774	
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508	
18)	B Endrin al...	6.921	6.109	3175682	6776503	1.634m	2.226	#
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937	
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288	

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

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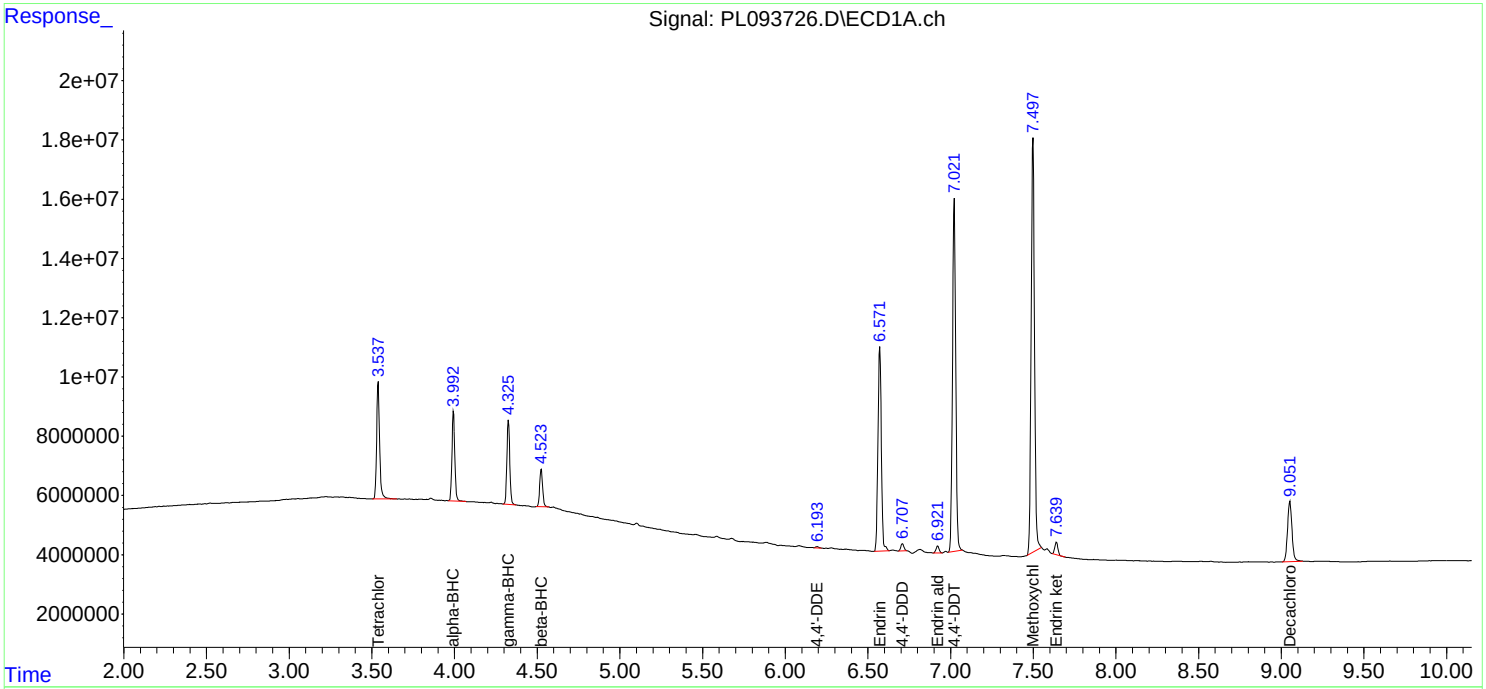
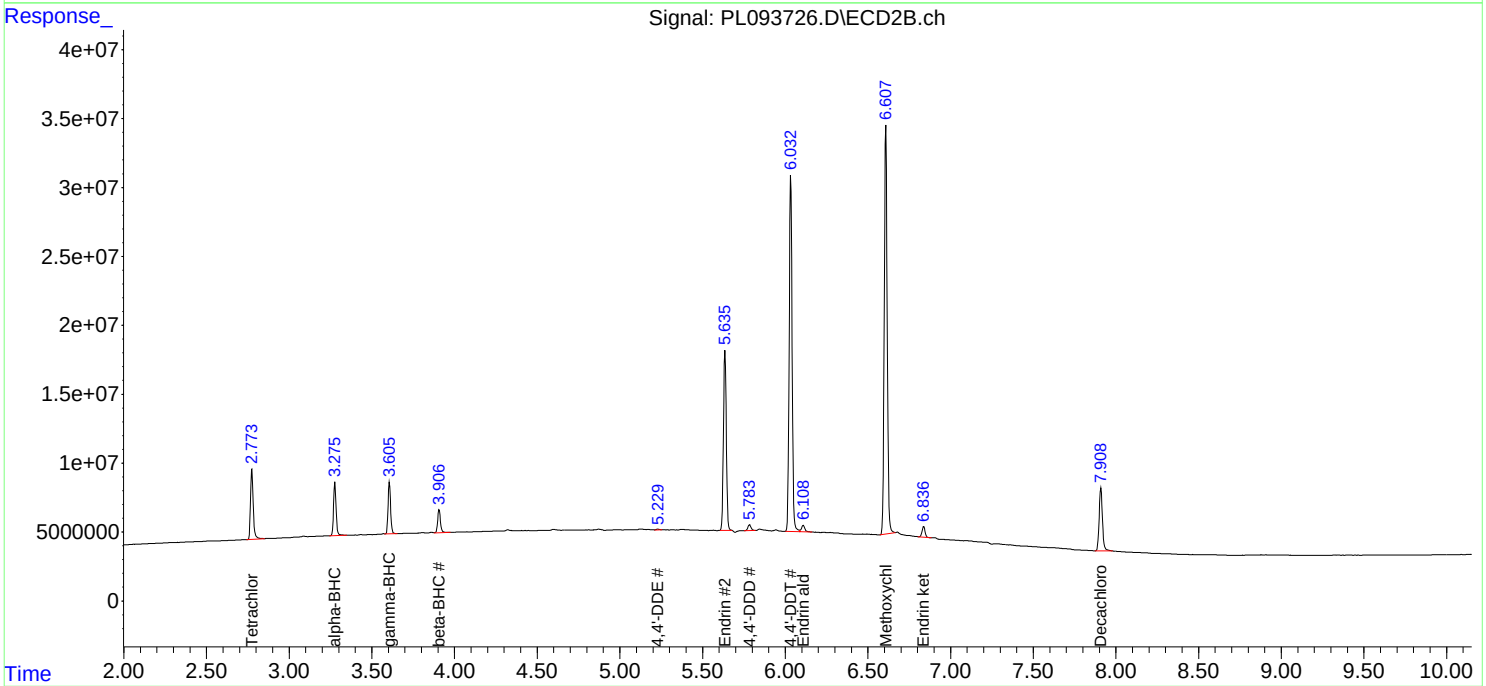
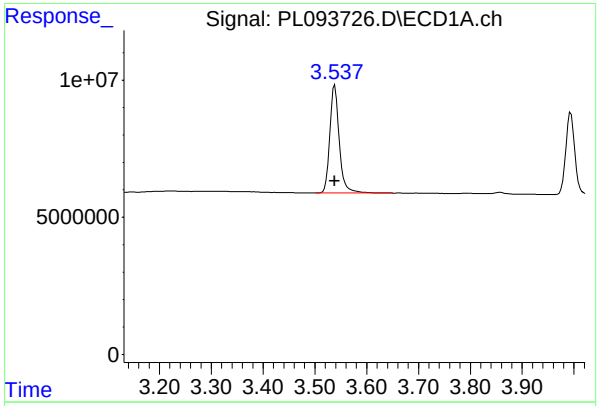
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
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ClientSampleId :
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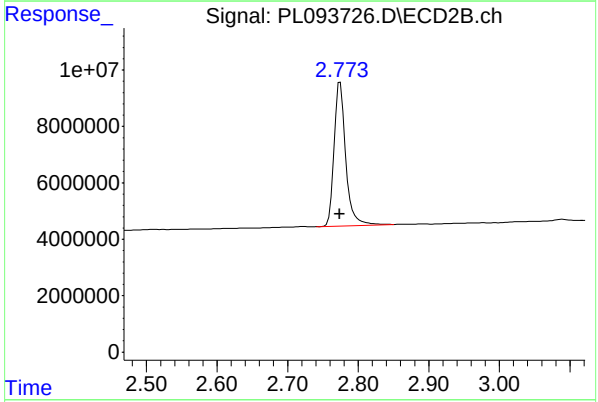
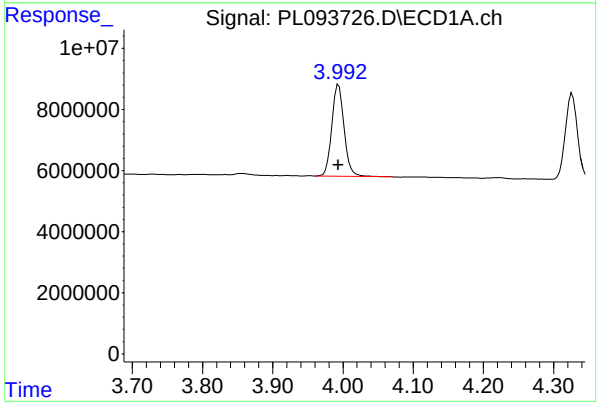


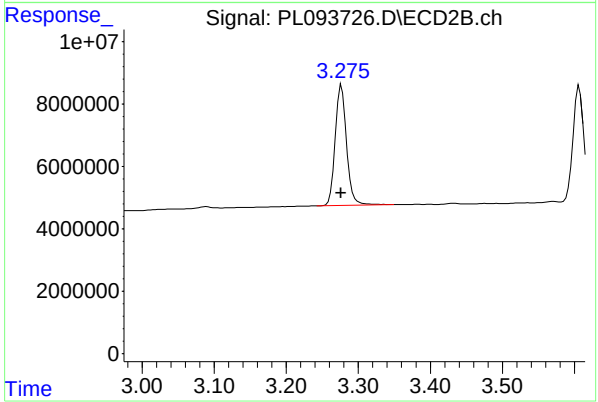
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



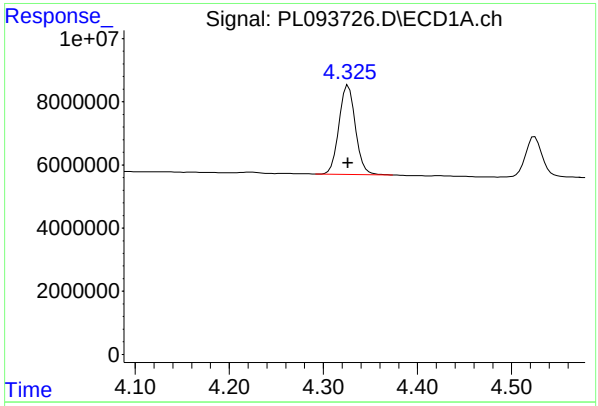
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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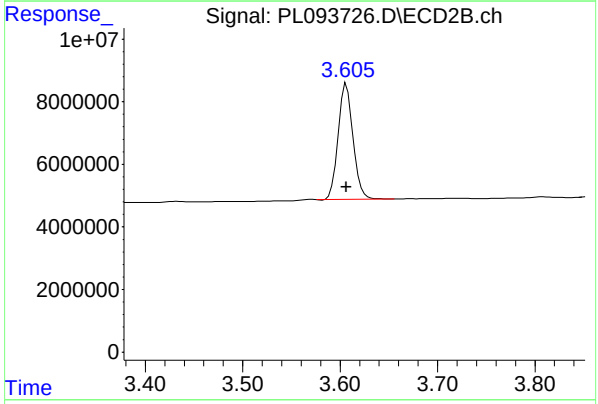
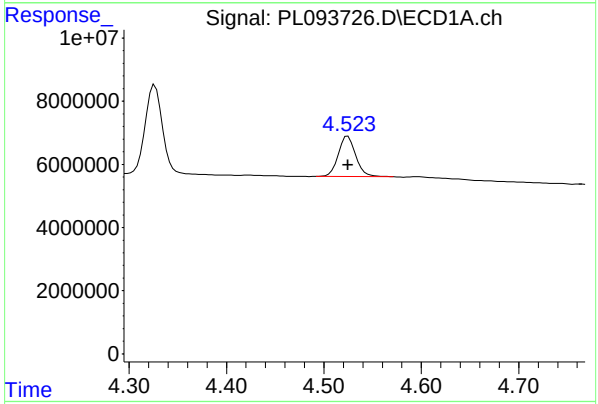


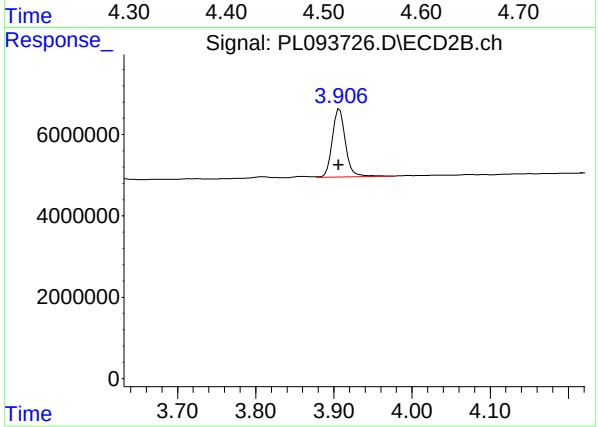
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



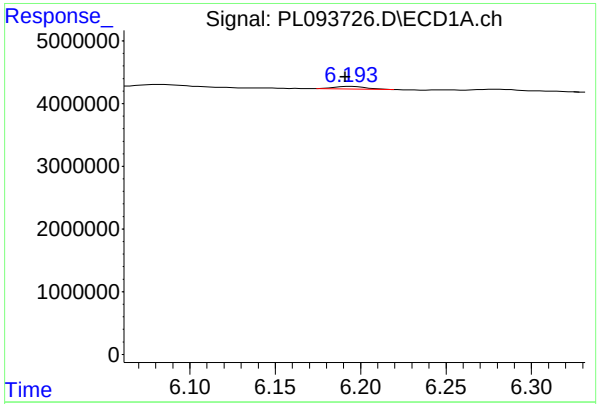
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 560248
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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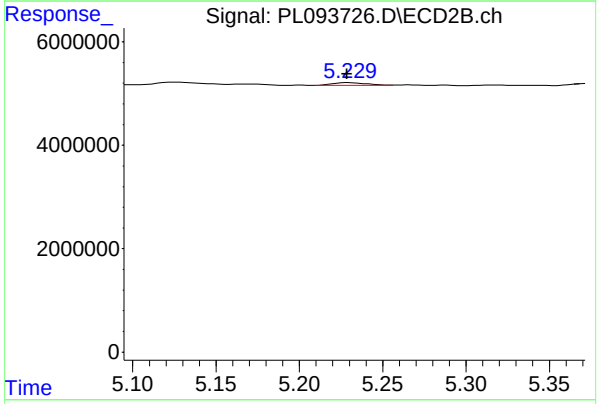
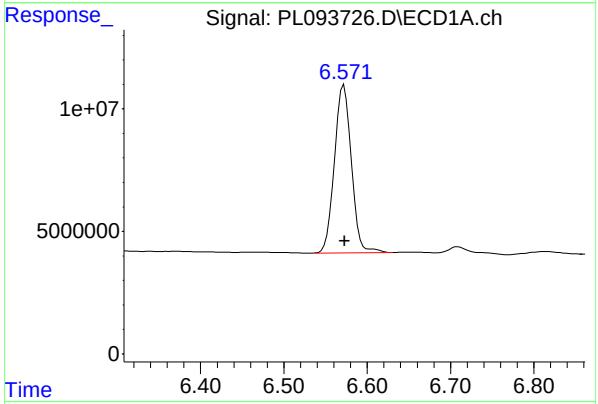
Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



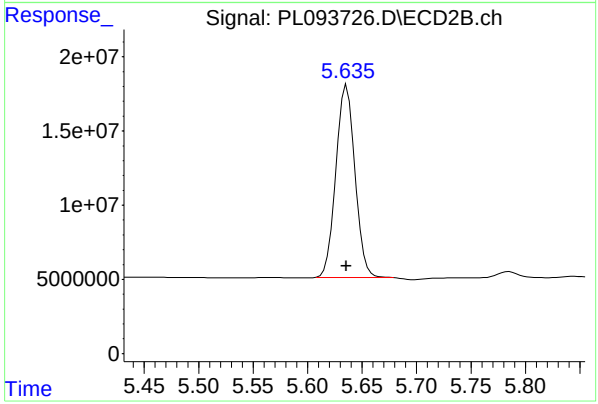
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



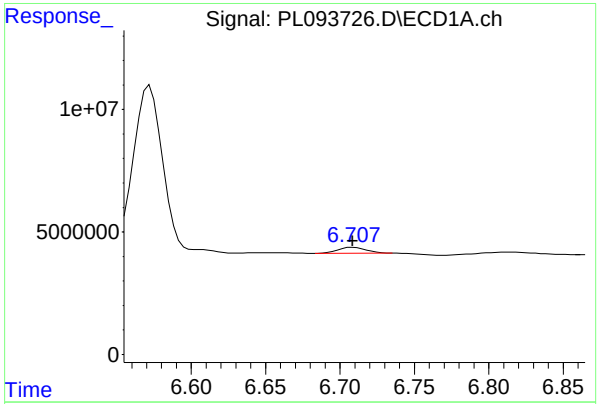
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



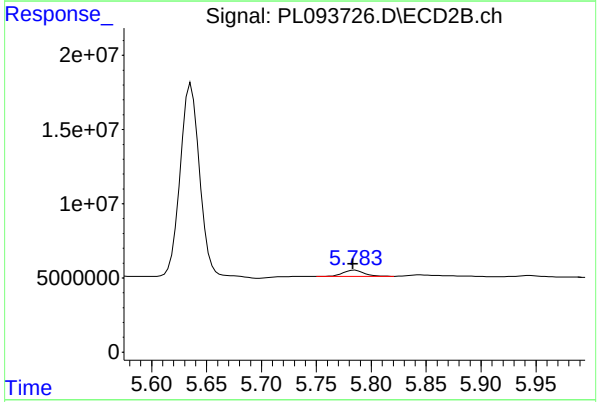
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3354680
Conc: 1.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

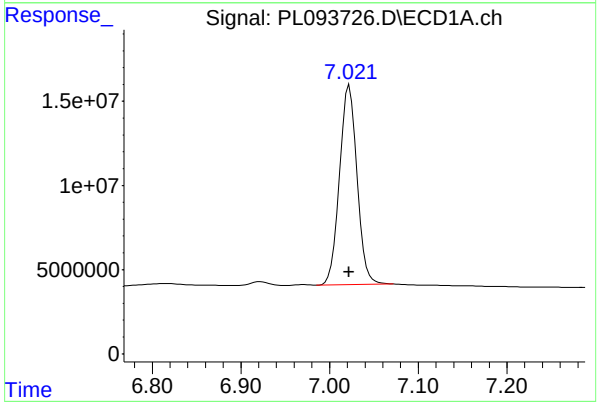
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



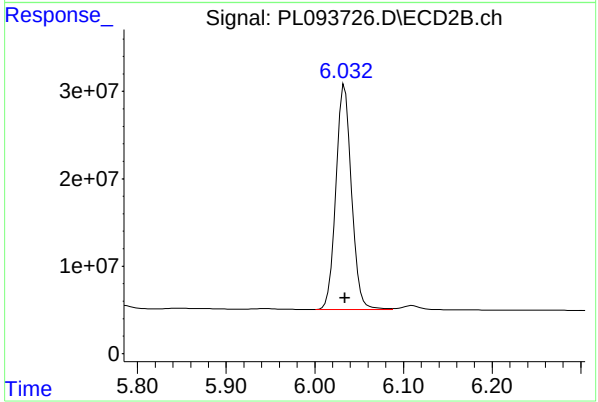
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



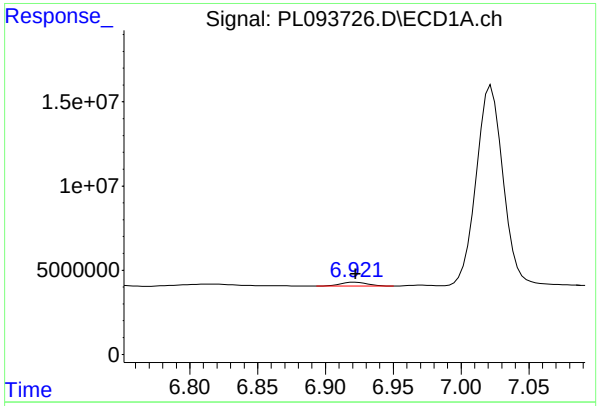
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



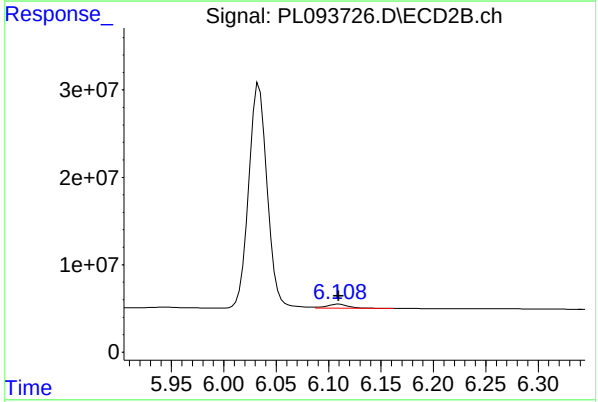
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 3175682
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

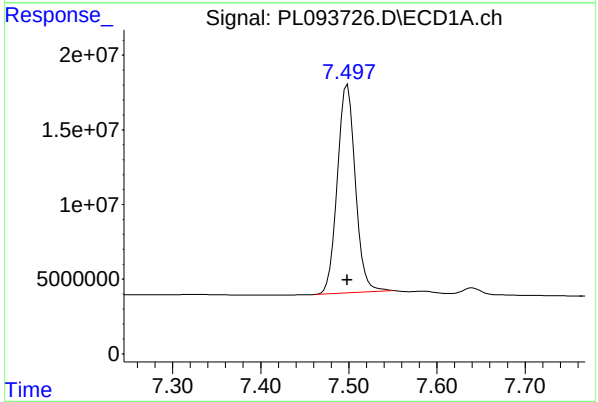
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



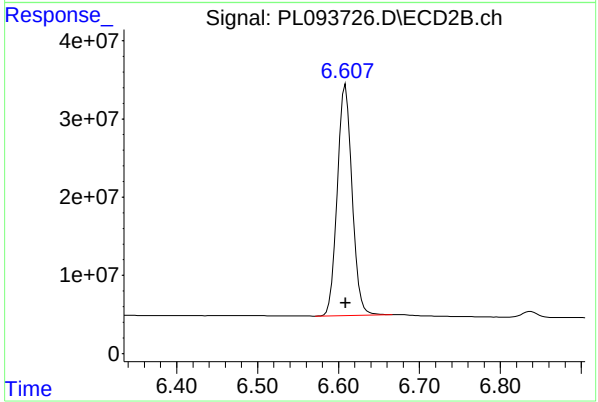
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



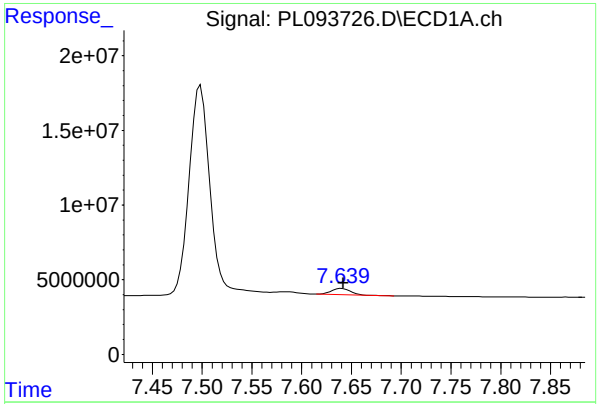
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



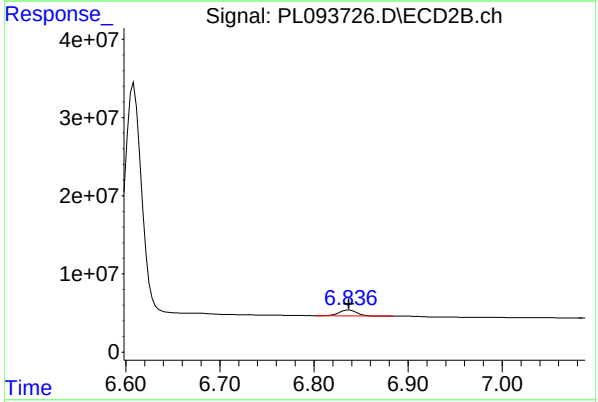
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

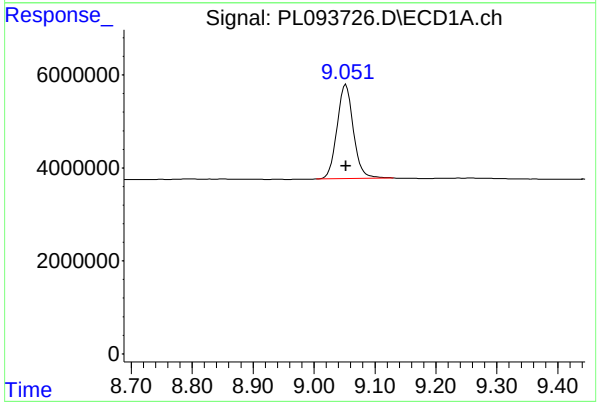
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



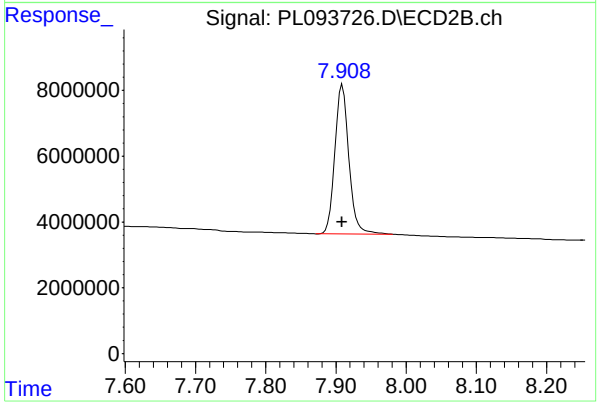
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093905.D **Date Analyzed:** 01/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.950	9.160	21.180	20.000	5.9
Tetrachloro-m-xylene	3.539	3.490	3.590	21.130	20.000	5.7
alpha-BHC	3.995	3.940	4.050	10.970	10.000	9.7
beta-BHC	4.526	4.480	4.580	11.370	10.000	13.7
gamma-BHC (Lindane)	4.327	4.280	4.380	10.770	10.000	7.7
Endrin	6.572	6.500	6.640	42.890	50.000	-14.2
4,4'-DDT	7.023	6.950	7.090	89.090	100.000	-10.9
Methoxychlor	7.500	7.430	7.570	212.590	250.000	-15.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093905.D **Date Analyzed:** 01/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	18.610	20.000	-7.0
Tetrachloro-m-xylene	2.774	2.720	2.820	20.420	20.000	2.1
alpha-BHC	3.276	3.230	3.330	9.640	10.000	-3.6
beta-BHC	3.907	3.860	3.960	10.950	10.000	9.5
gamma-BHC (Lindane)	3.606	3.560	3.660	9.350	10.000	-6.5
Endrin	5.636	5.570	5.710	43.950	50.000	-12.1
4,4'-DDT	6.034	5.960	6.100	96.420	100.000	-3.6
Methoxychlor	6.610	6.540	6.680	211.840	250.000	-15.3

PEM

Data File: PL093905.D **Date Acquired** 1/30/2025 18:39

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	100579796	117994382.6	17414586.6	**14.76**
Endrin aldehyde	6.92	5223391.131			
Endrin ketone	7.64	12191195.49			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	162299493.9	189942237.7	27642743.8	**14.55**
Endrin aldehyde #2	6.11	8654947.509			
Endrin ketone #2	6.84	18987796.25			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	175692374.8	191418843.6	15726468.8	**8.22**
4,4'-DDE	6.19	392331.069			
4,4'-DDD	6.71	15334137.76			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	313744825.4	334718983	20974157.7	**6.27**
4,4'-DDE #2	5.23	640960.639			
4,4'-DDD #2	5.78	20333197.01			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 18:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	56904288	66667804	21.132	20.424
28) SA	Decachlor...	9.055	7.910	44305318	65213173	21.179	18.611
	Target Compounds						
2) A	alpha-BHC	3.995	3.276	42056236	47132338	10.970	9.641
3) MA	gamma-BHC...	4.327	3.606	39670889	44327721	10.772	9.349
6) B	beta-BHC	4.526	3.907	18268033	21869417	11.365	10.949
12) B	4,4'-DDE	6.189	5.230	392331	640961	0.161m	0.160m
14) MA	Endrin	6.572	5.636	100.6E6	162.3E6	42.895m	43.952
16) A	4,4'-DDD	6.710	5.785	15334138	20333197	8.068	6.442
17) MA	4,4'-DDT	7.023	6.034	175.7E6	313.7E6	89.091	96.417
18) B	Endrin al...	6.923	6.111	5223391	8654948	2.687	2.843
20) A	Methoxychlor	7.500	6.610	221.8E6	378.8E6	212.594	211.841
21) B	Endrin ke...	7.643	6.838	12191195	18987796	4.833	4.526

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 18:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

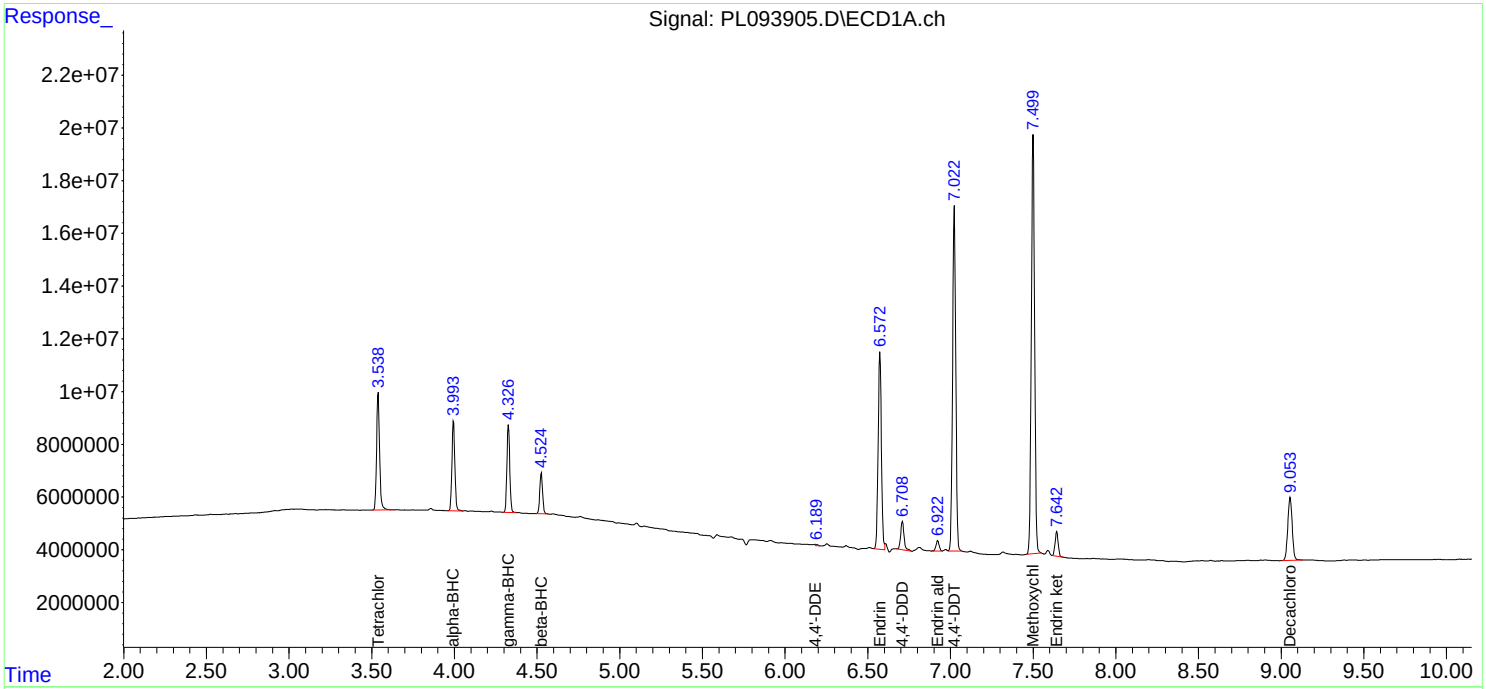
Instrument :
ECD_L
ClientSampleId :
PEM

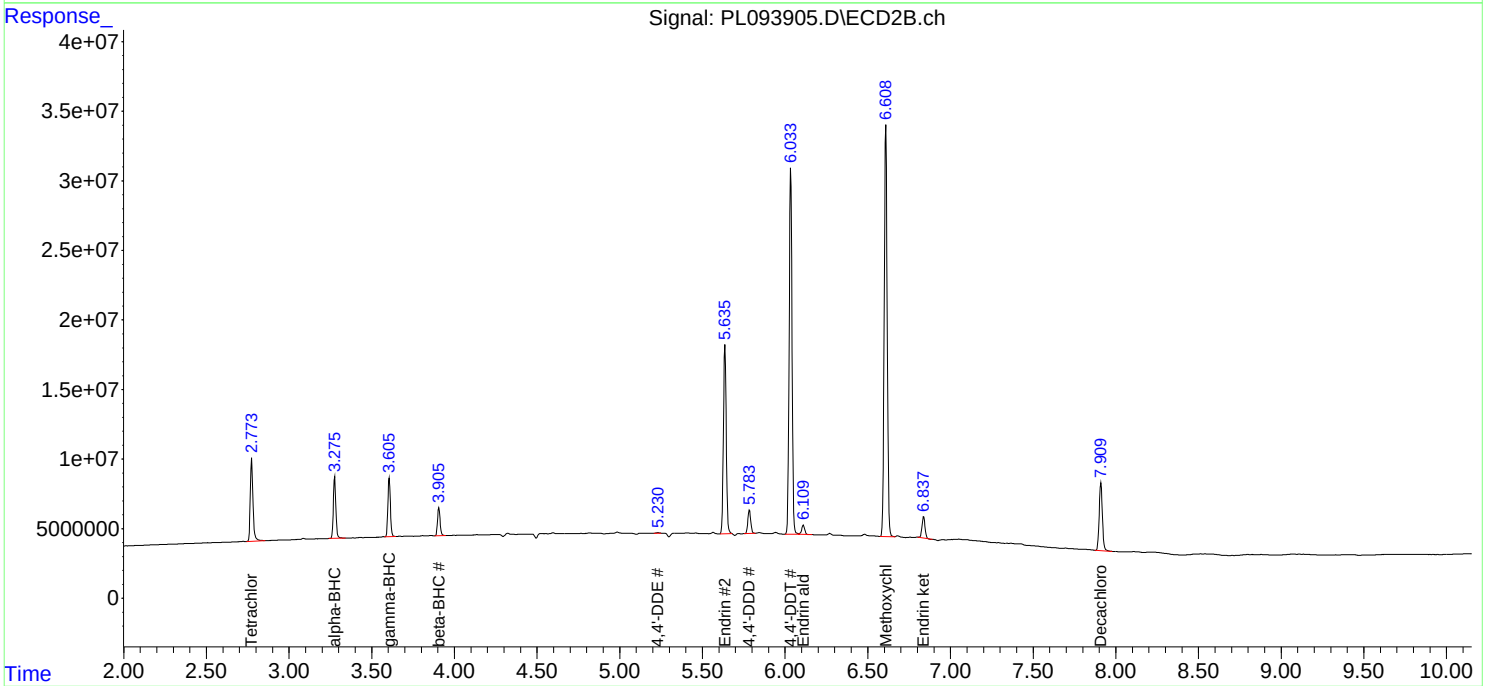
Manual Integrations APPROVED

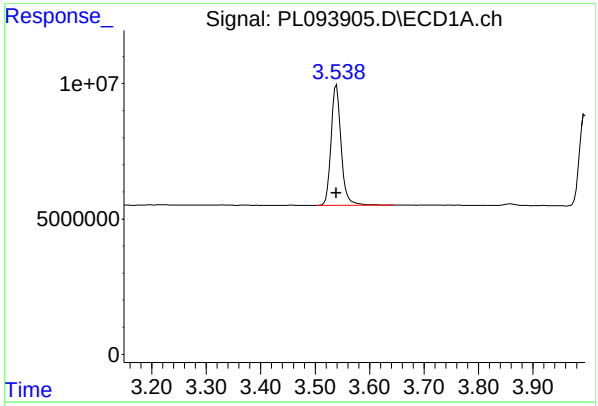
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 56904288
Conc: 21.13 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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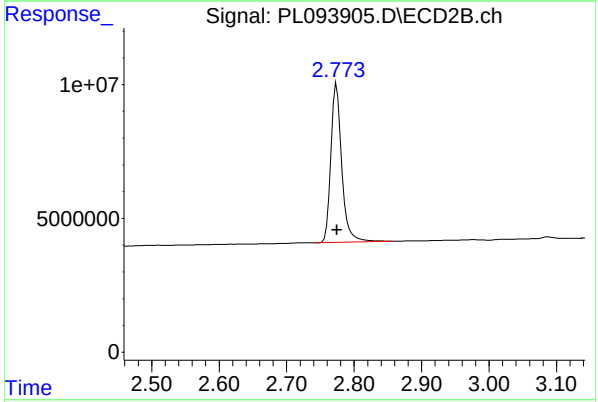
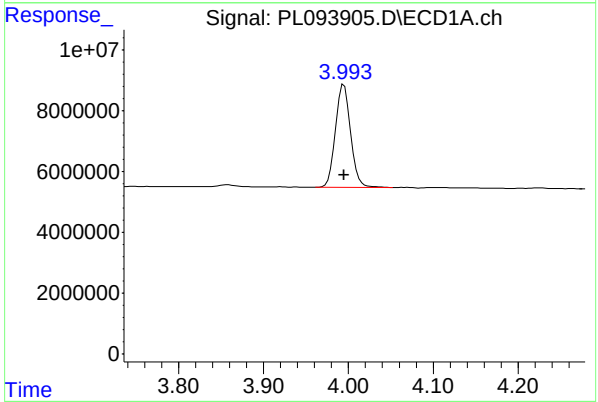
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



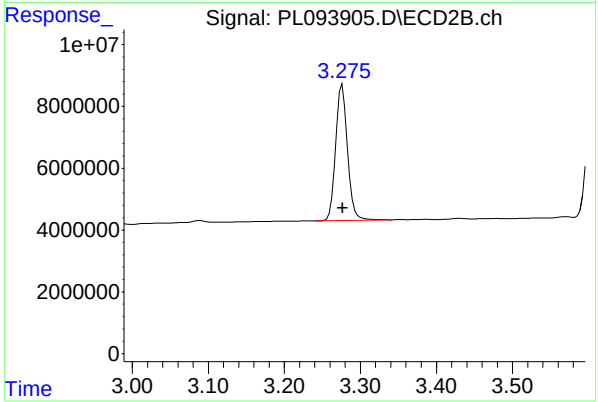
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 66667804
Conc: 20.42 ng/ml



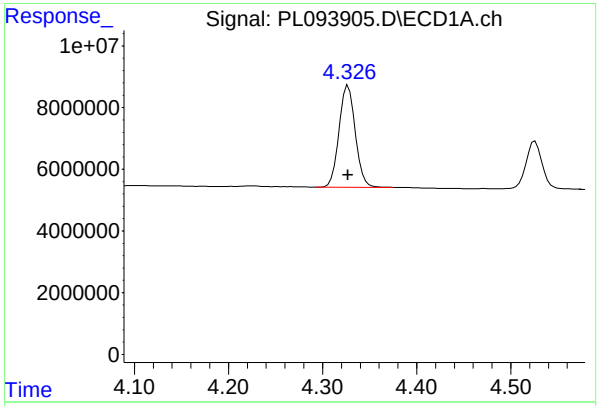
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 42056236
Conc: 10.97 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 47132338
Conc: 9.64 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 39670889
Conc: 10.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

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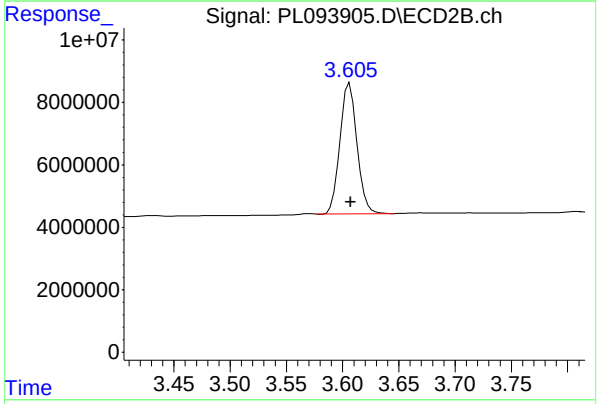
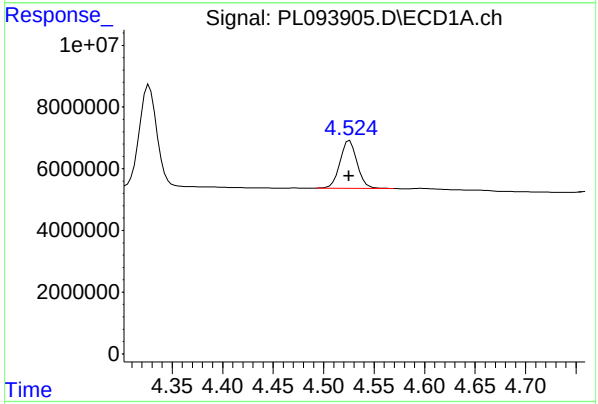
Supervised By :Ankita Jodhani 01/31/2025



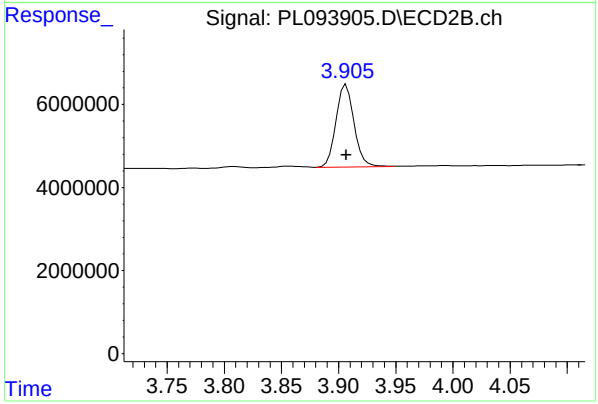
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 44327721
Conc: 9.35 ng/ml



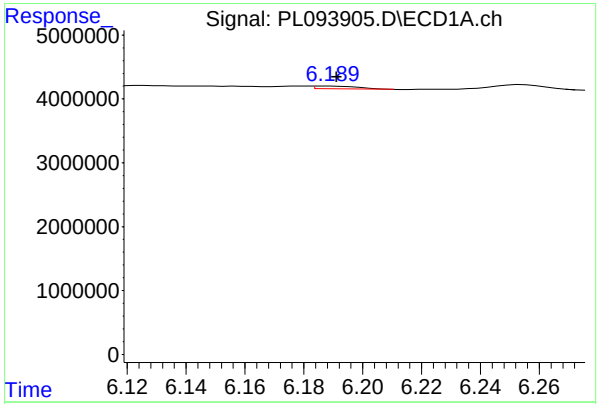
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 18268033
Conc: 11.37 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 21869417
Conc: 10.95 ng/ml



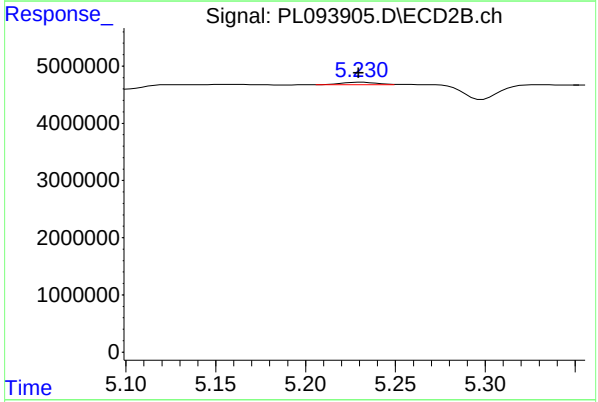
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 mi
Response: 392331
Conc: 0.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

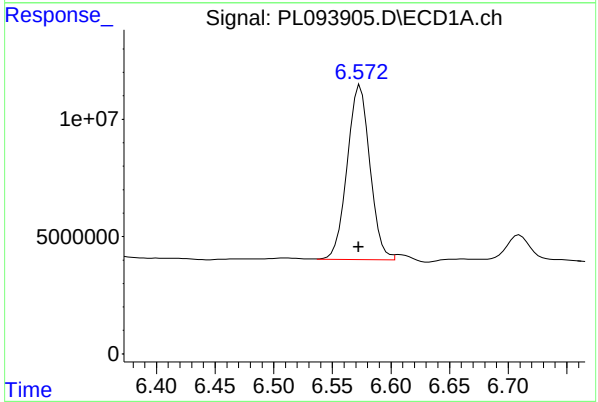
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



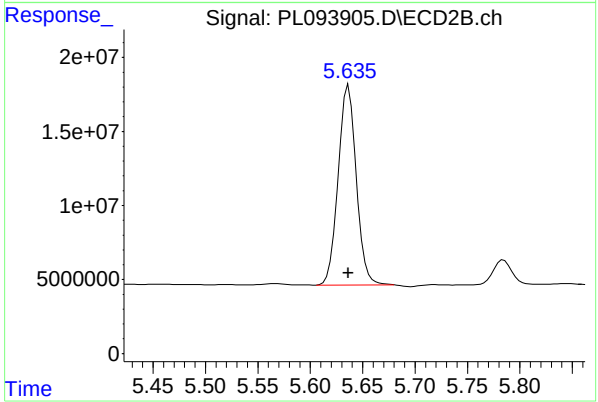
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 640961
Conc: 0.16 ng/ml m



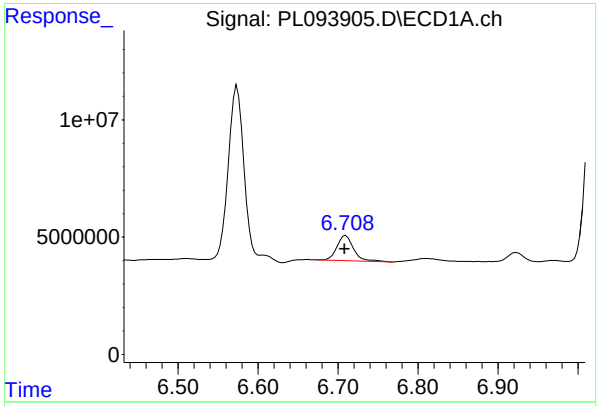
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 100579796
Conc: 42.89 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 162299494
Conc: 43.95 ng/ml



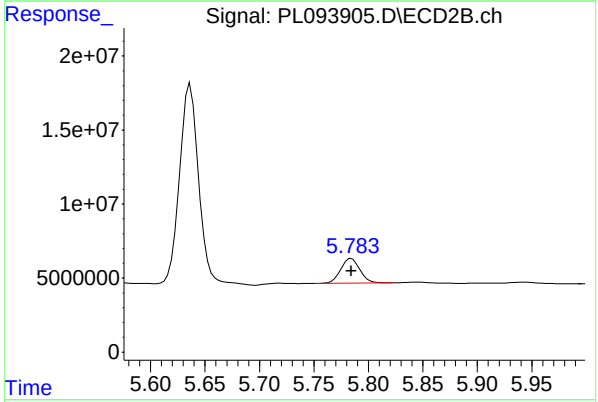
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.001 min
Response: 15334138
Conc: 8.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

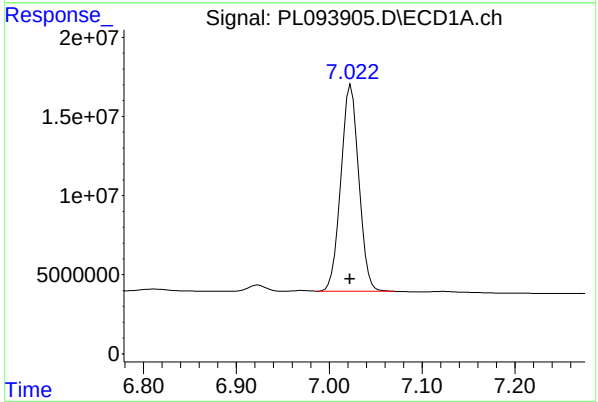
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



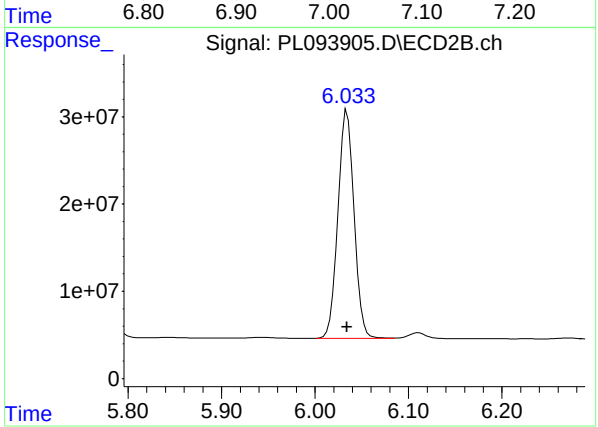
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 20333197
Conc: 6.44 ng/ml



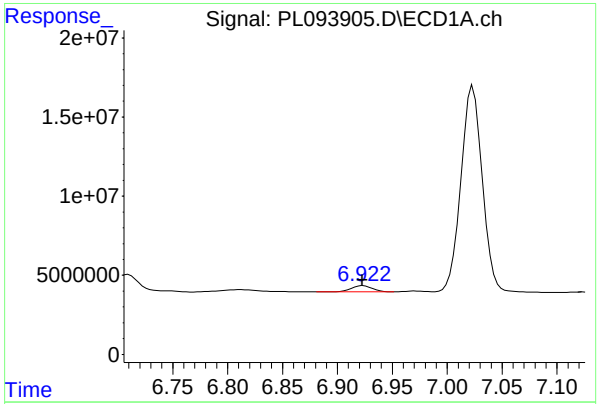
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 175692375
Conc: 89.09 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 313744825
Conc: 96.42 ng/ml



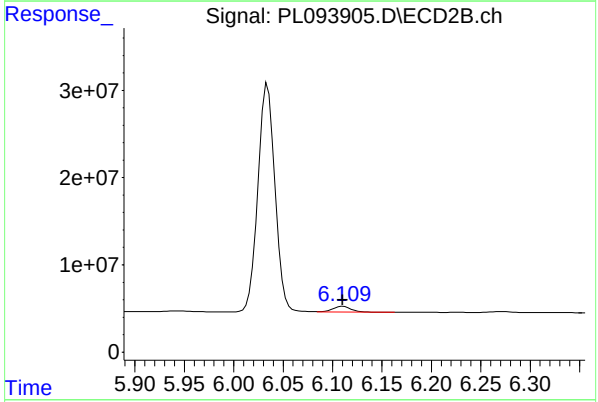
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 5223391
Conc: 2.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

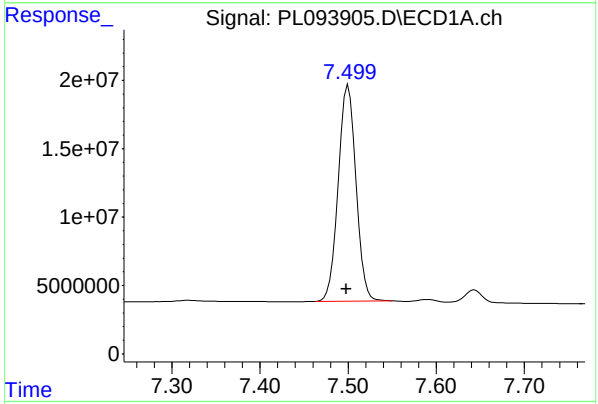
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



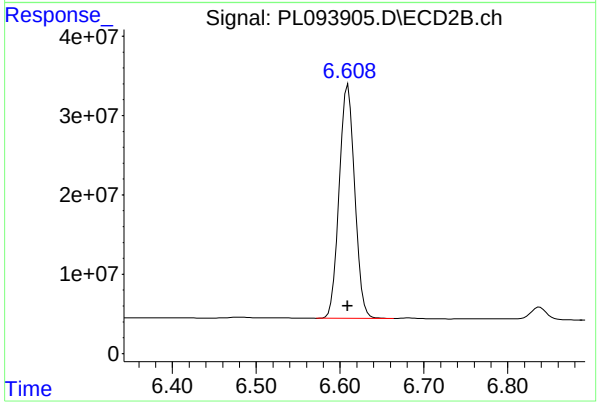
#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 8654948
Conc: 2.84 ng/ml



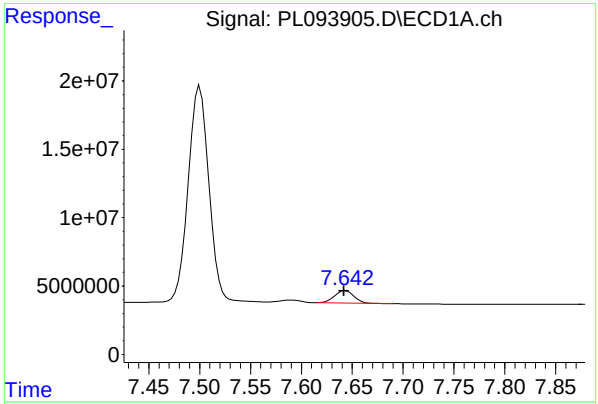
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 221819879
Conc: 212.59 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 378800523
Conc: 211.84 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.002 min
Response: 12191195
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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Reviewed By :Abdul Mirza 01/31/2025
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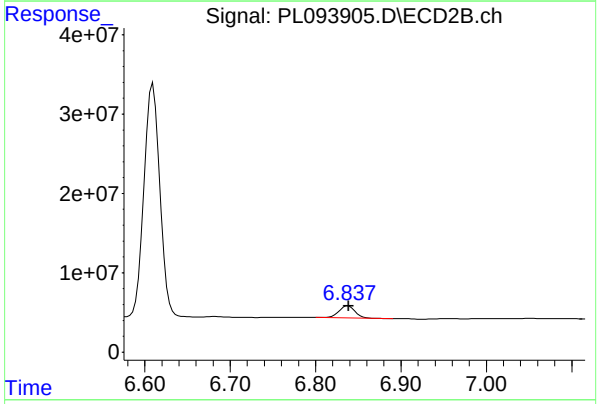
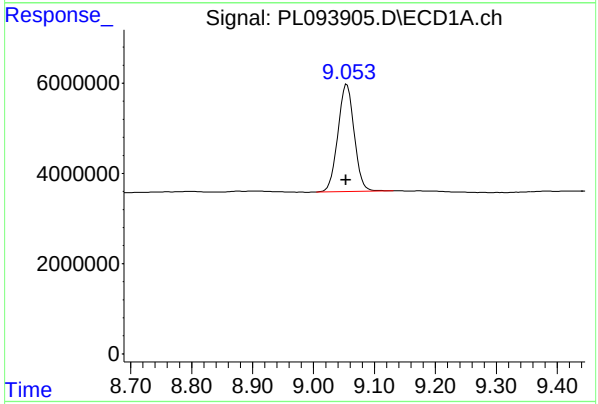


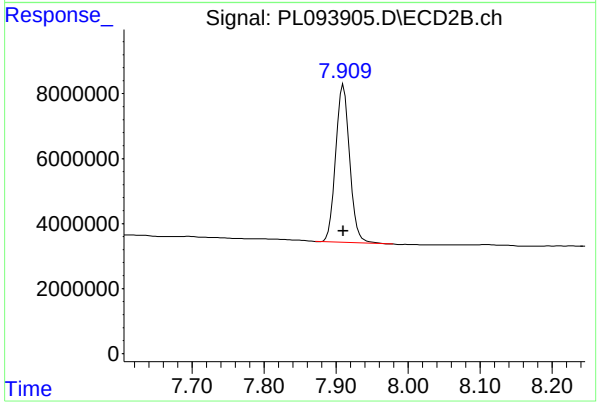
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 18987796
Conc: 4.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 44305318
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 65213173
Conc: 18.61 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093958.D **Date Analyzed:** 01/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	20.910	20.000	4.6
Tetrachloro-m-xylene	3.537	3.490	3.590	23.840	20.000	19.2
alpha-BHC	3.993	3.940	4.040	12.420	10.000	24.2
beta-BHC	4.525	4.470	4.580	12.480	10.000	24.8
gamma-BHC (Lindane)	4.326	4.280	4.380	11.910	10.000	19.1
Endrin	6.572	6.500	6.640	47.160	50.000	-5.7
4,4'-DDT	7.024	6.950	7.090	98.200	100.000	-1.8
Methoxychlor	7.501	7.430	7.570	231.470	250.000	-7.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093958.D **Date Analyzed:** 01/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.911	7.810	8.010	18.550	20.000	-7.3
Tetrachloro-m-xylene	2.774	2.720	2.820	22.890	20.000	14.5
alpha-BHC	3.276	3.230	3.330	10.850	10.000	8.5
beta-BHC	3.907	3.860	3.960	12.090	10.000	20.9
gamma-BHC (Lindane)	3.606	3.560	3.660	10.490	10.000	4.9
Endrin	5.637	5.570	5.710	50.900	50.000	1.8
4,4'-DDT	6.034	5.960	6.100	108.940	100.000	8.9
Methoxychlor	6.611	6.540	6.680	235.360	250.000	-5.9

PEM

Data File: PL093958.D **Date Acquired** 1/31/2025 19:39

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	110571791.9	124023498.6	13451706.7	**10.85**
Endrin aldehyde	6.92	3858593.612			
Endrin ketone	7.64	9593113.101			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	187947389.1	211853935	23906545.9	**11.28**
Endrin aldehyde #2	6.11	7418834.795			
Endrin ketone #2	6.84	16487711.06			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	193658434.1	205489483	11831048.9	**5.76**
4,4'-DDE	6.19	884644.732			
4,4'-DDD	6.71	10946404.2			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	354508166	369800573.4	15292407.4	**4.14**
4,4'-DDE #2	5.23	640806.411			
4,4'-DDD #2	5.78	14651600.97			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 19:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:32:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.774	64208122	74728930	23.845	22.894
28)	SA Decachlor...	9.056	7.911	43746756	65001026	20.912	18.550
	Target Compounds						
2)	A alpha-BHC	3.993	3.276	47630507	53034269	12.424	10.848
3)	MA gamma-BHC...	4.326	3.606	43873273	49725275	11.913	10.488
6)	B beta-BHC	4.525	3.907	20063671	24147956	12.483	12.089
12)	B 4,4'-DDE	6.187	5.228	884645	640806	0.363m	0.160m#
14)	MA Endrin	6.572	5.637	110.6E6	187.9E6	47.156m	50.897
16)	A 4,4'-DDD	6.709	5.785	10946404	14651601	5.760	4.642
17)	MA 4,4'-DDT	7.024	6.034	193.7E6	354.5E6	98.201	108.944
18)	B Endrin al...	6.924	6.110	3858594	7418835	1.985	2.437
20)	A Methoxychlor	7.501	6.611	241.5E6	420.9E6	231.467	235.364
21)	B Endrin ke...	7.644	6.839	9593113	16487711	3.803	3.930

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 19:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

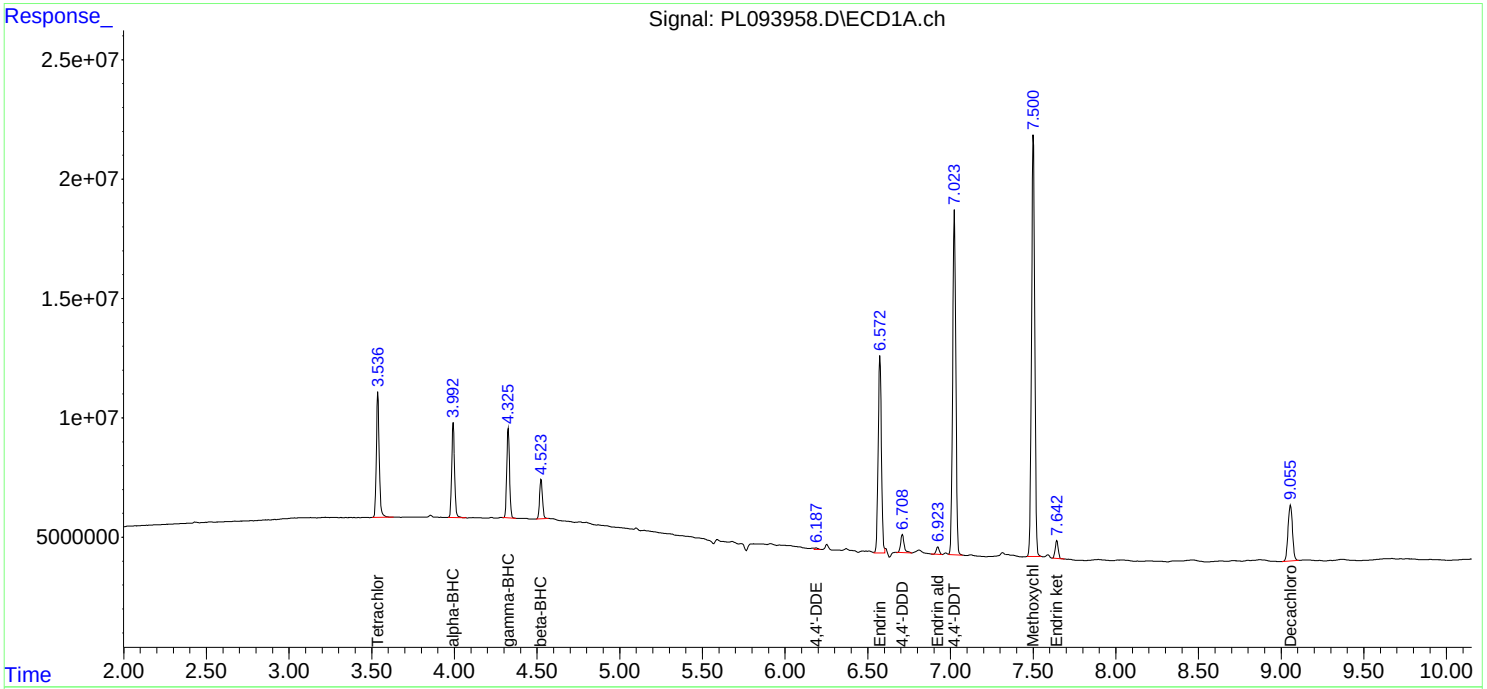
Instrument :
ECD_L
ClientSampleId :
PEM

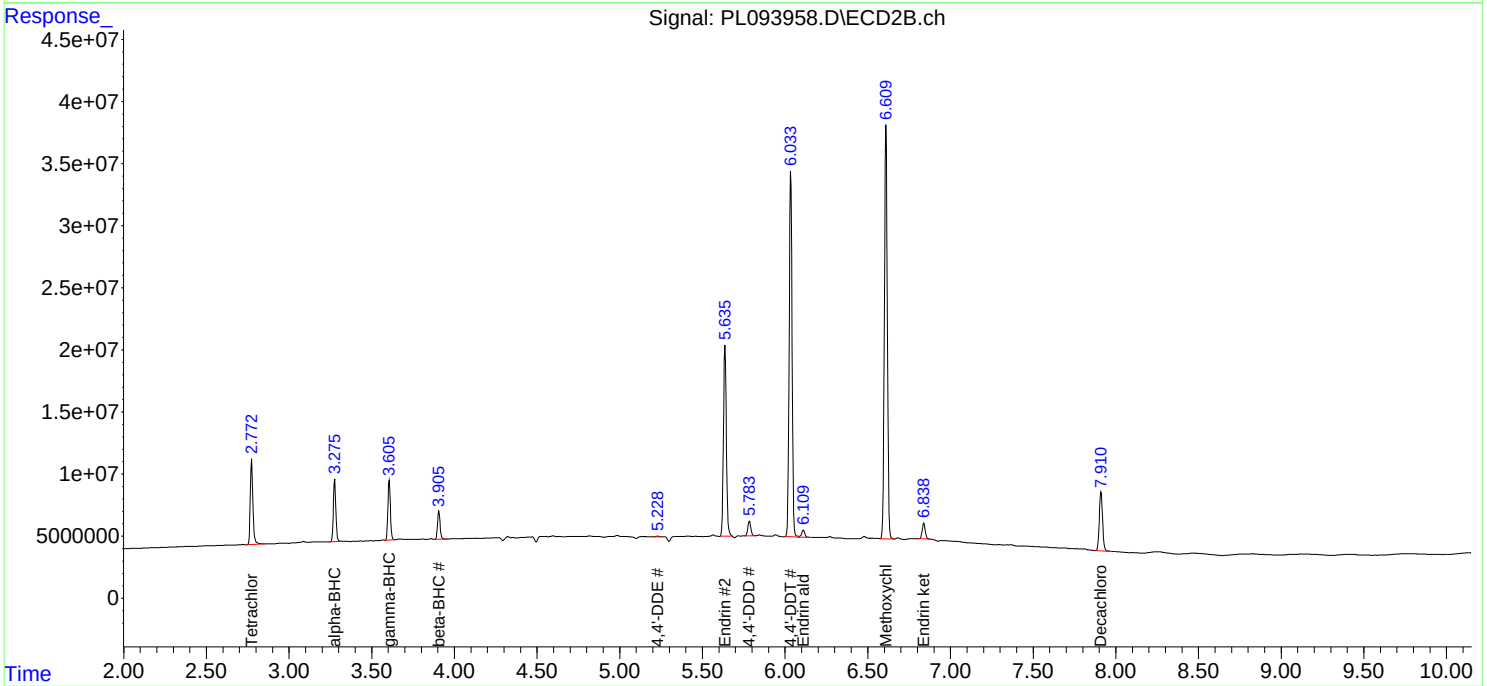
Manual Integrations APPROVED

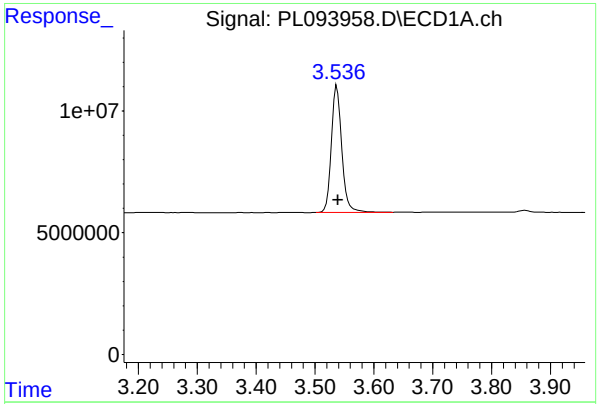
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:32:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 mi
Response: 64208122
Conc: 23.84 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
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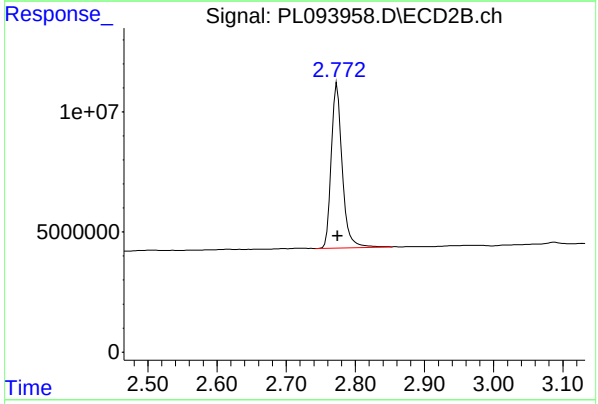
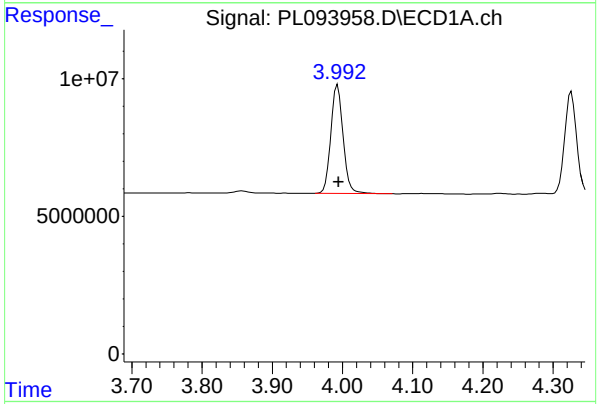


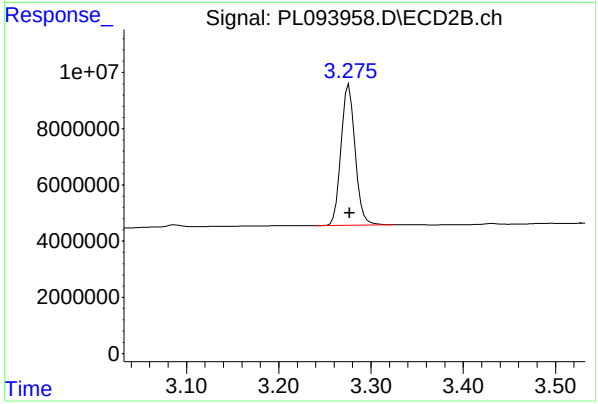
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 74728930
Conc: 22.89 ng/ml



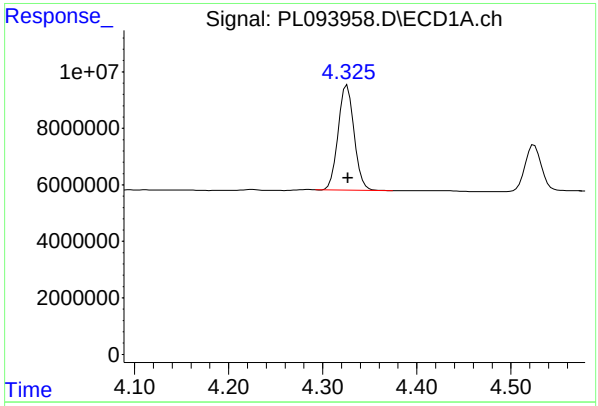
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 47630507
Conc: 12.42 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 53034269
Conc: 10.85 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 43873273
Conc: 11.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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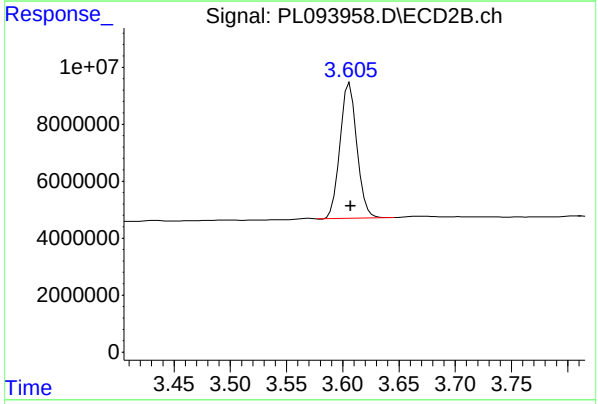
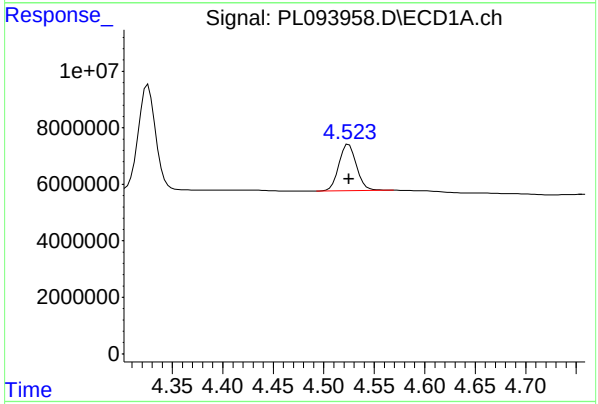


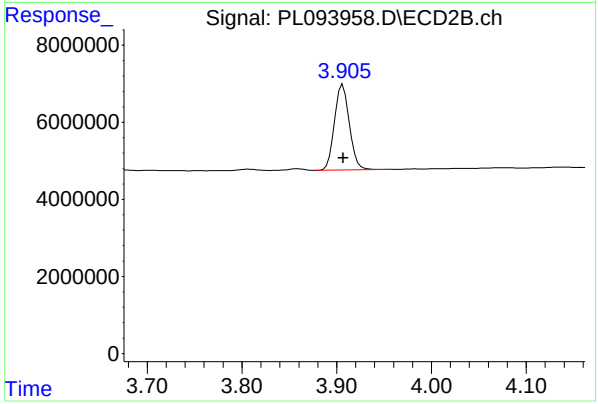
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 49725275
Conc: 10.49 ng/ml



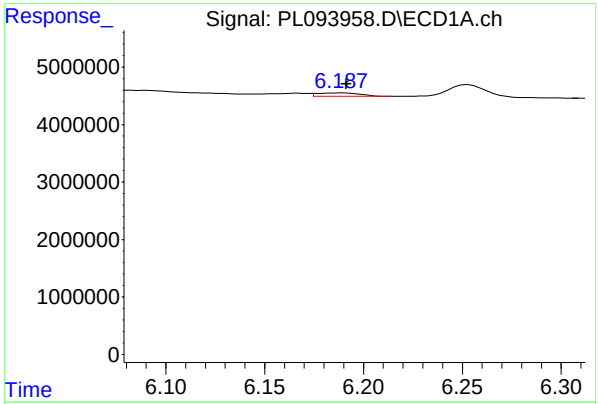
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 20063671
Conc: 12.48 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 24147956
Conc: 12.09 ng/ml



#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.004 min
Response: 884645
Conc: 0.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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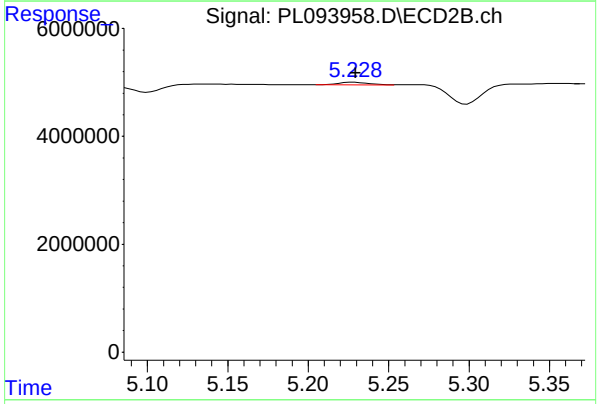
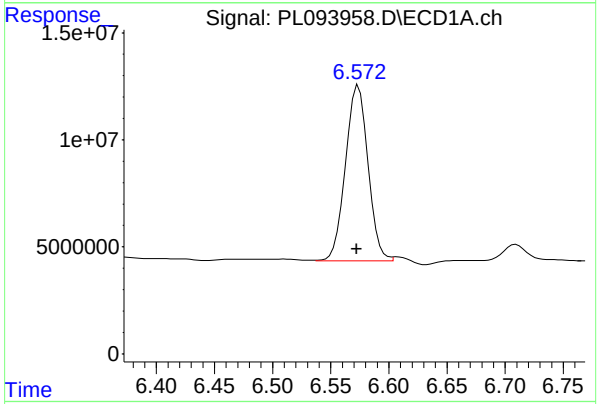
Supervised By :Ankita Jodhani 02/03/2025



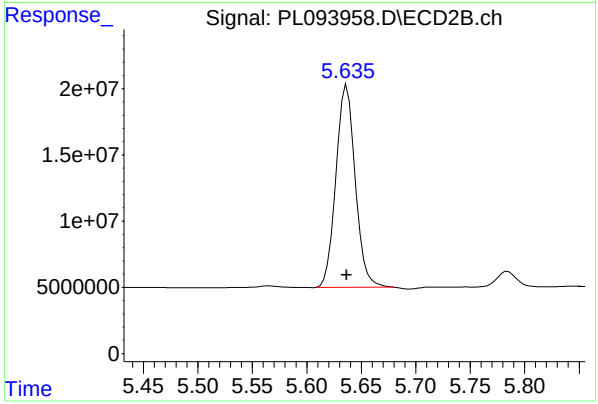
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.002 min
Response: 640806
Conc: 0.16 ng/ml m



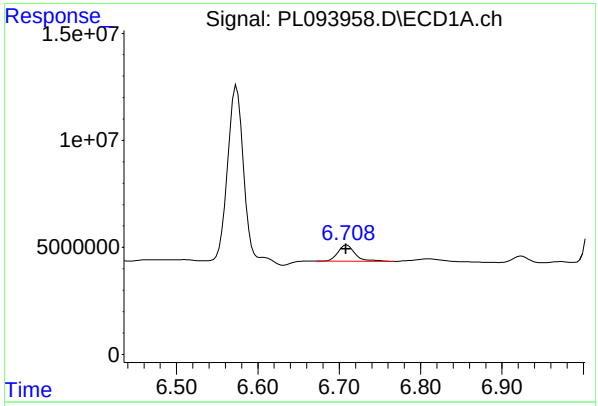
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 110571792
Conc: 47.16 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 187947389
Conc: 50.90 ng/ml



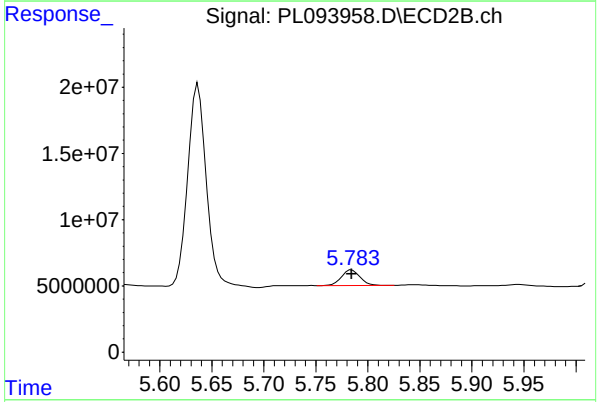
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 10946404
Conc: 5.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

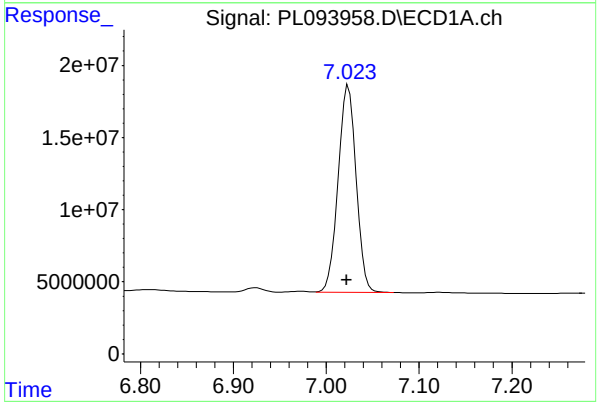
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



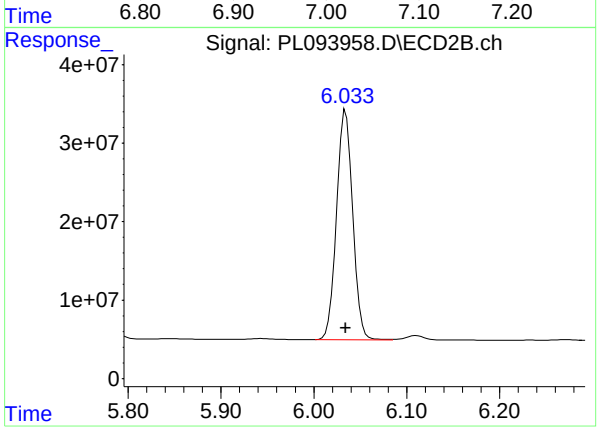
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 14651601
Conc: 4.64 ng/ml



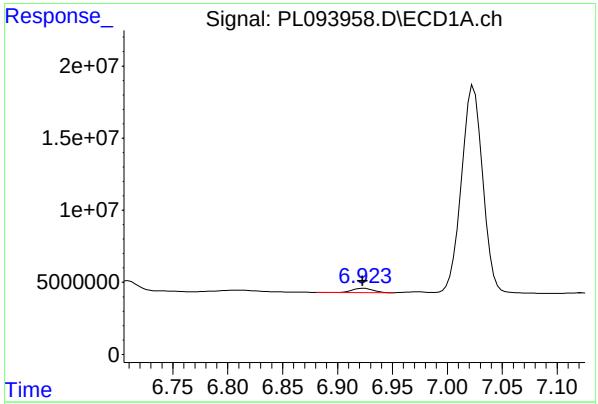
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 193658434
Conc: 98.20 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 354508166
Conc: 108.94 ng/ml



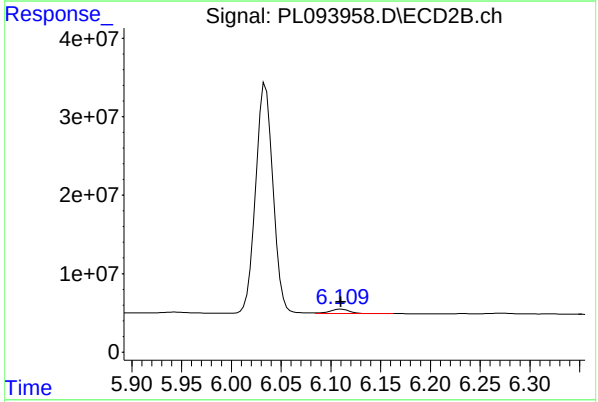
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 3858594
Conc: 1.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

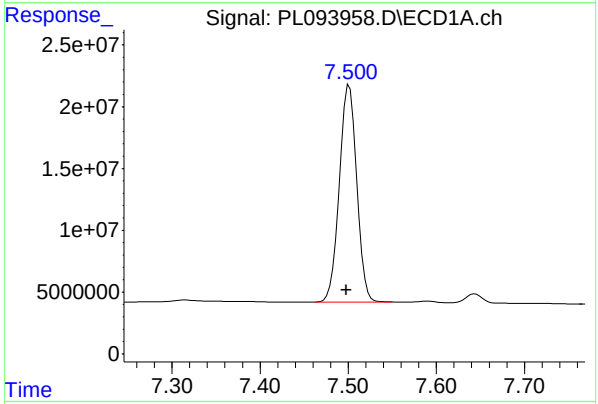
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



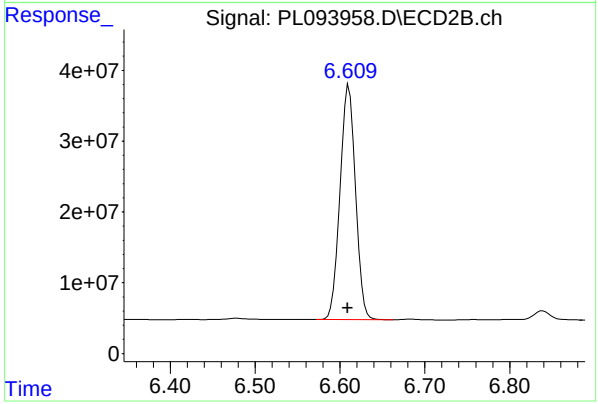
#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 7418835
Conc: 2.44 ng/ml



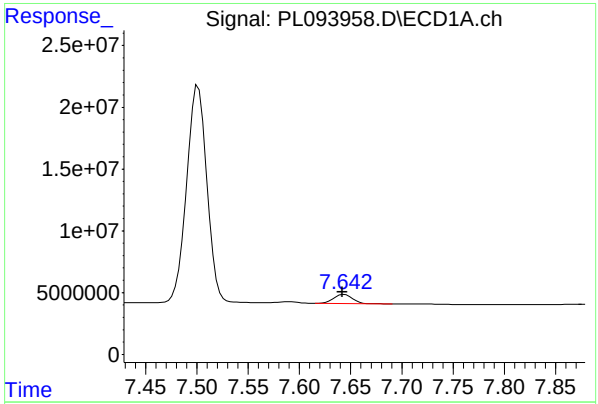
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 241512375
Conc: 231.47 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.001 min
Response: 420862172
Conc: 235.36 ng/ml



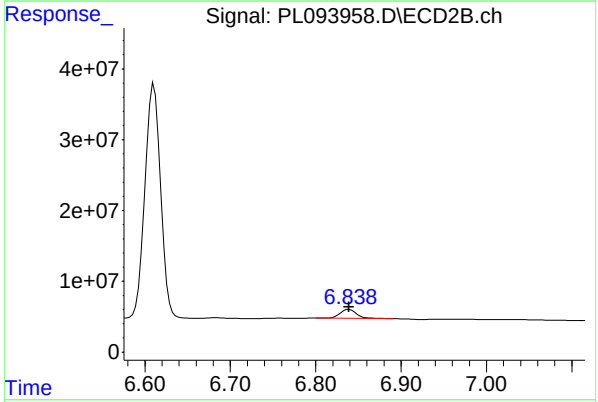
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 9593113
Conc: 3.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

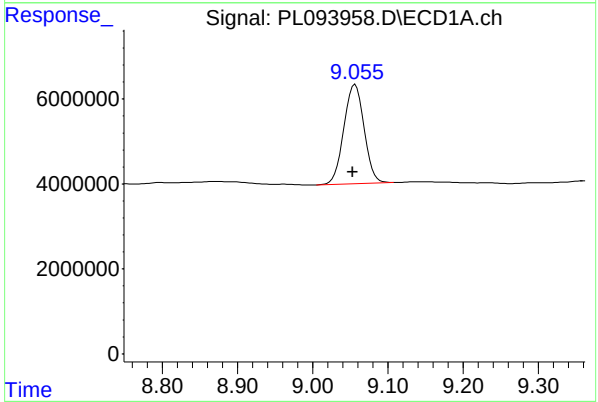
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



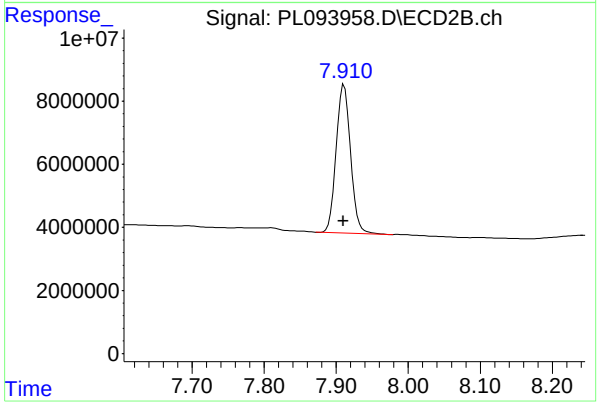
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 16487711
Conc: 3.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 43746756
Conc: 20.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 65001026
Conc: 18.55 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Acq On : 21 Jan 2025 10:43
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\PL012125.M
Title : GC Extractables
Last Update : Tue Jan 21 14:02:23 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.539	5.939	100.00%
5.939	6.068	100.00%
6.068	6.191	100.00%
6.191	6.343	100.00%
6.343	7.157	100.00%
7.157	7.499	100.00%
7.499	7.642	100.00%
7.642	9.053	100.00%

Signal #2

2.774	4.977	100.00%
4.977	5.097	100.00%
5.097	5.230	100.00%
5.230	5.361	100.00%
5.361	6.333	100.00%
6.333	6.609	100.00%
6.609	6.838	100.00%
6.838	7.910	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
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: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	48739758	56764042	18.100	17.390
28) SA	Decachlor...	9.053	7.910	37826748	61983547	18.082	17.689
	Target Compounds						
9) A	Endosulfan I	6.068	5.097	24505533	31106405	9.272	8.023
10) B	gamma-Chl...	5.939	4.977	26686746	36721665	9.574	8.666
12) B	4,4'-DDE	6.191	5.230	45047667	71134812	18.503	17.742
13) MA	Dieldrin	6.343	5.361	50553851	73721045	18.212	17.162
19) B	Endosulfa...	7.157	6.333	42219467	62907773	18.650	17.641
20) A	Methoxychlor	7.499	6.609	83993166	151.6E6	80.500	84.806
21) B	Endrin ke...	7.642	6.838	44318803	70010295	17.569	16.688

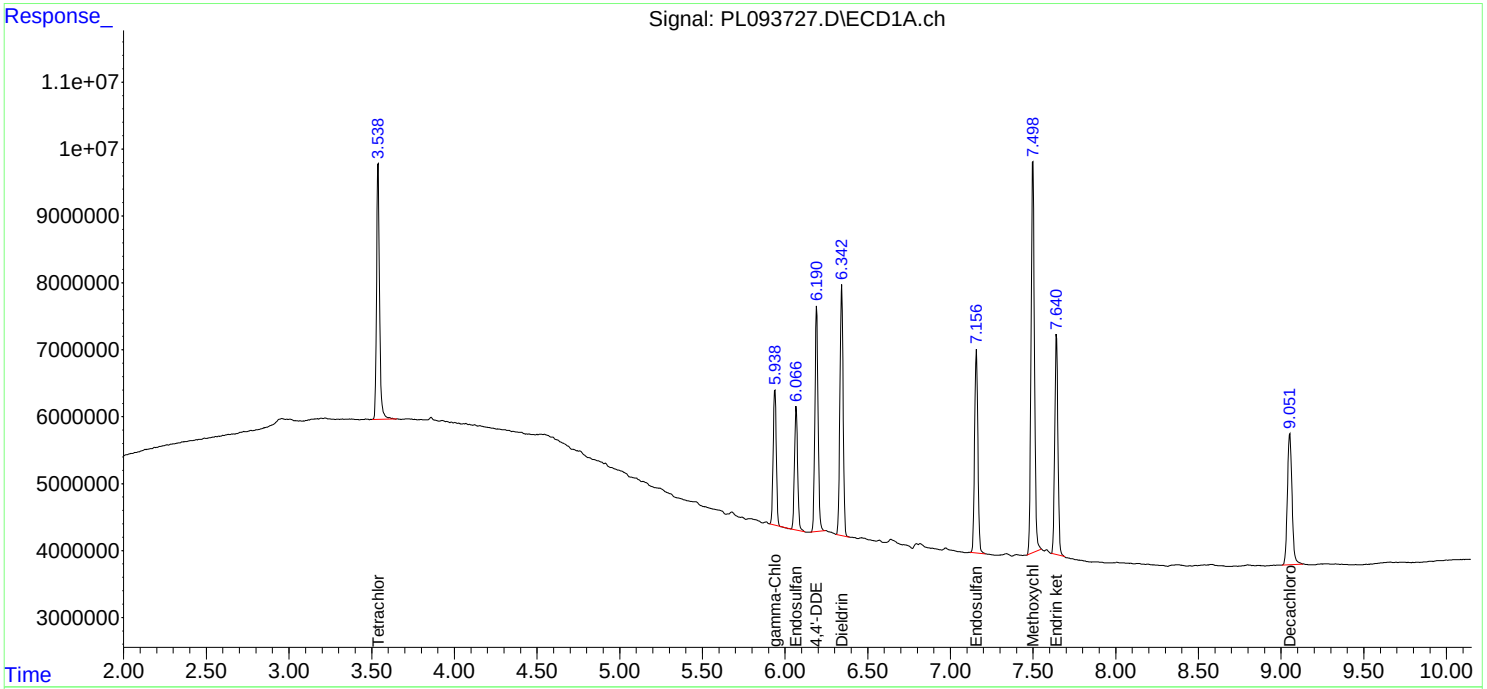
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

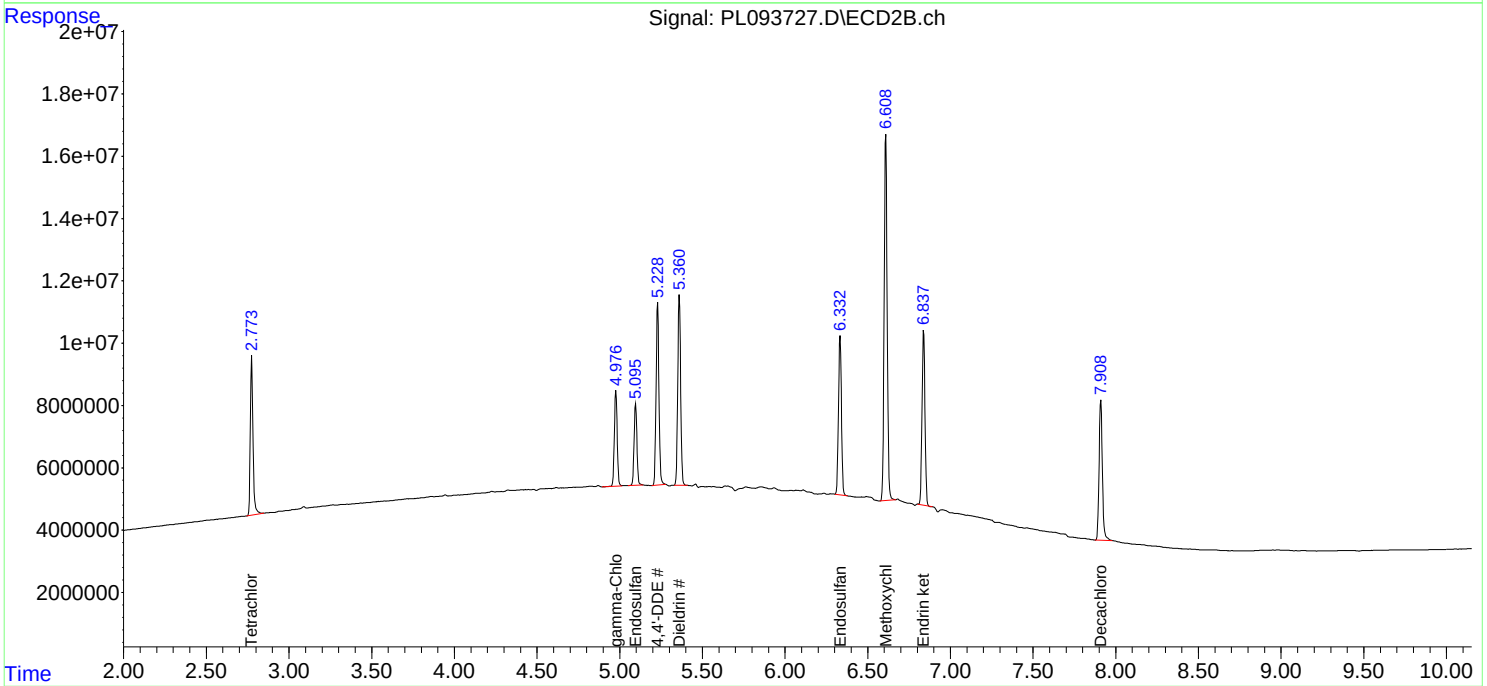
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

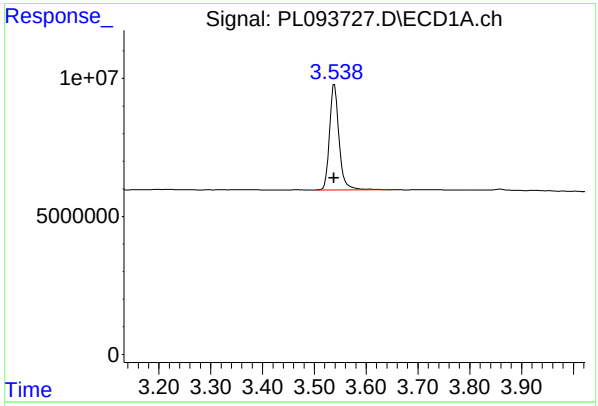
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



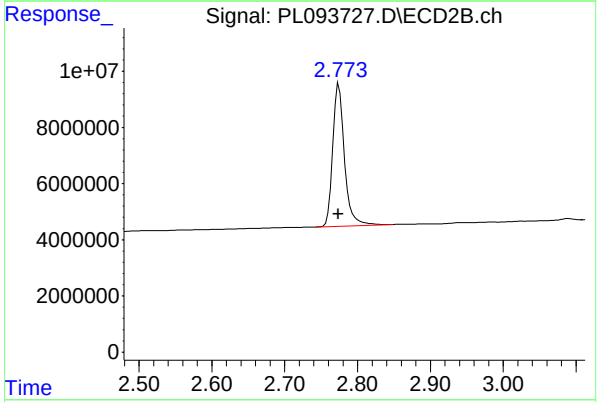




#1 Tetrachloro-m-xylene

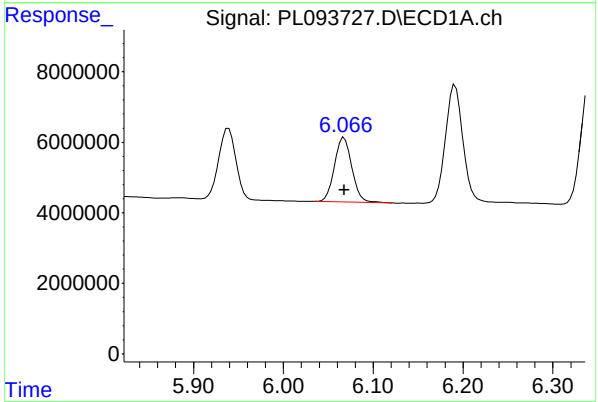
R.T.: 3.539 min
Delta R.T.: 0.001 mi
Response: 48739758
Conc: 18.10 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



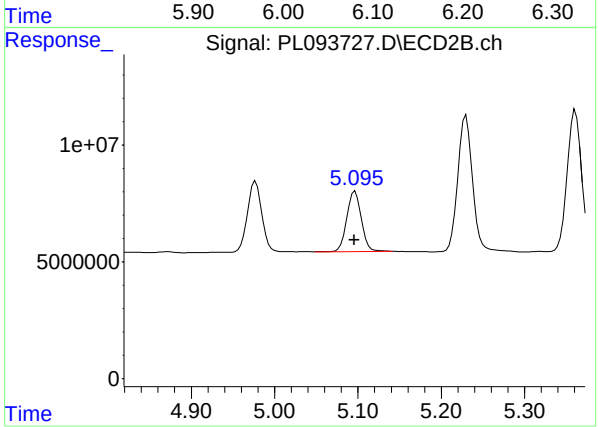
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 56764042
Conc: 17.39 ng/ml



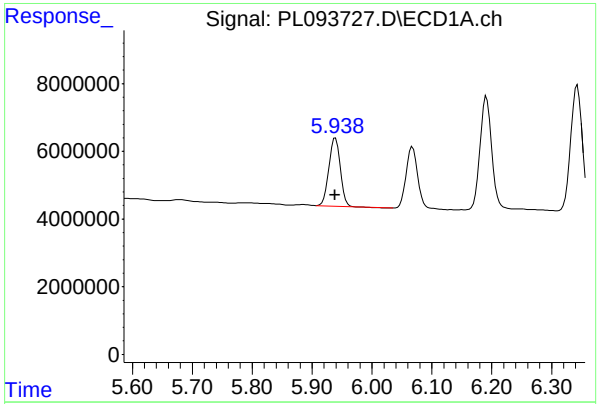
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 24505533
Conc: 9.27 ng/ml



#9 Endosulfan I

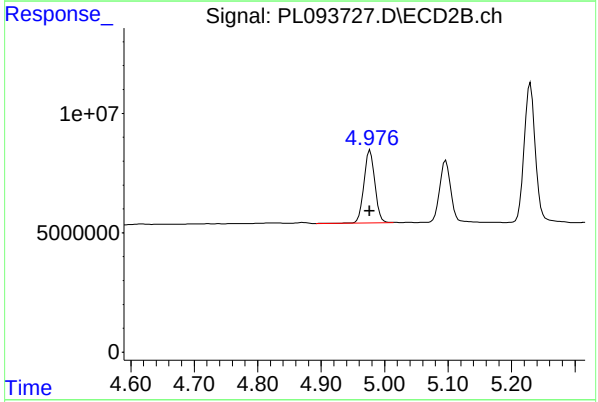
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

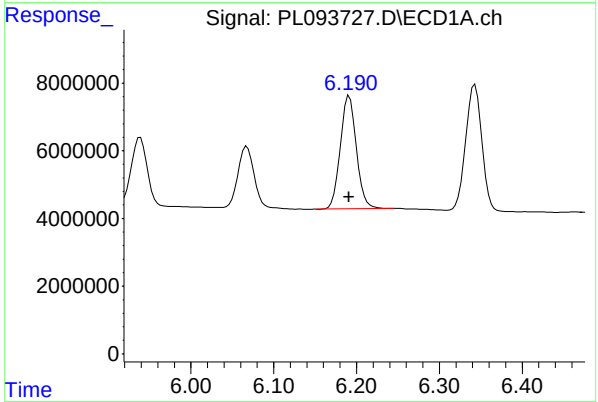
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



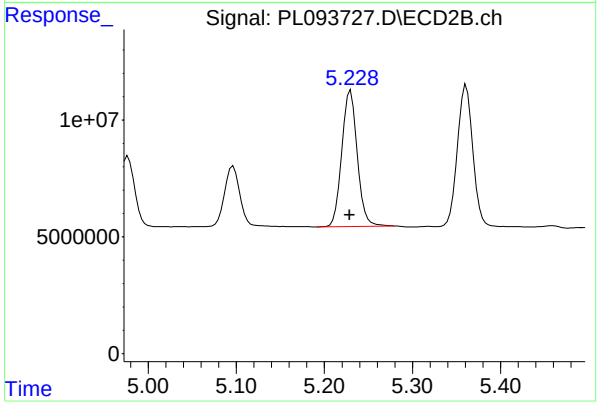
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 36721665
Conc: 8.67 ng/ml



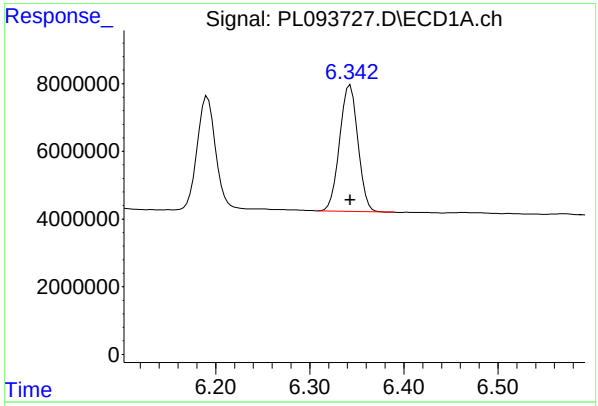
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 45047667
Conc: 18.50 ng/ml



#12 4,4'-DDE

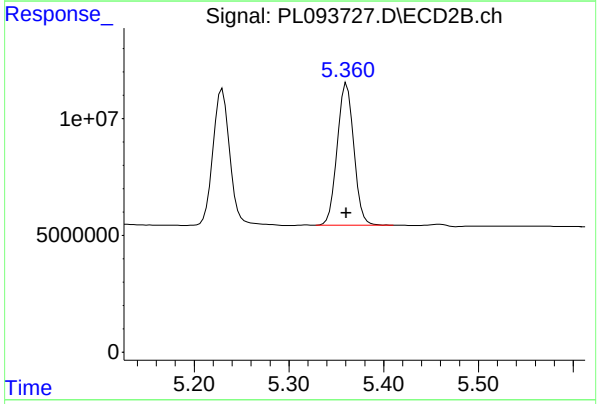
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

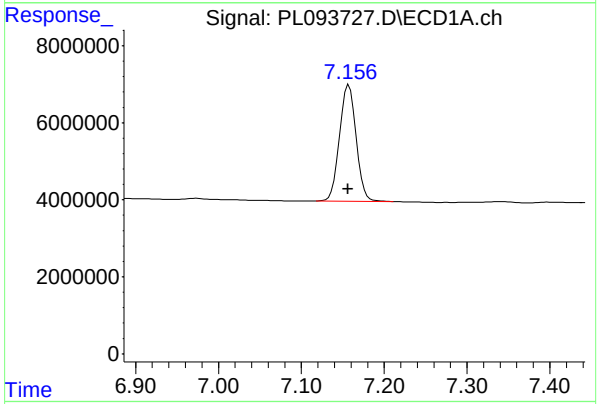
R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 50553851
Conc: 18.21 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



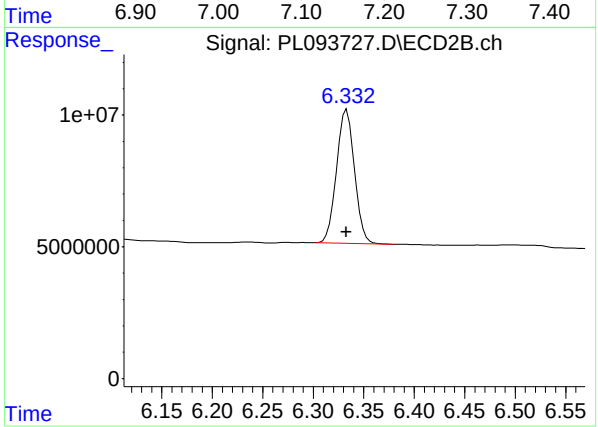
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 73721045
Conc: 17.16 ng/ml



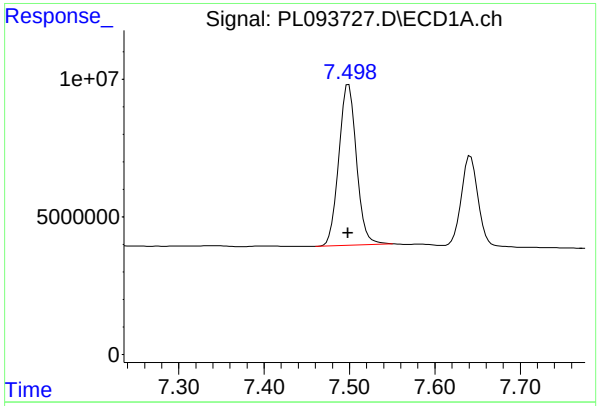
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.001 min
Response: 42219467
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

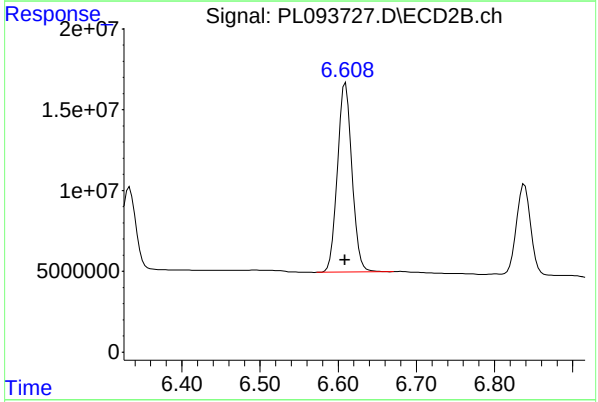
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

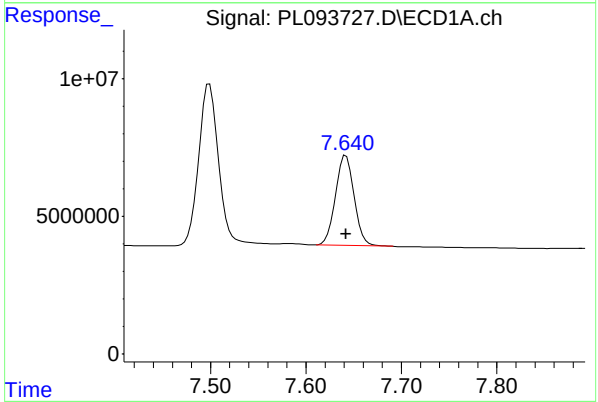
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



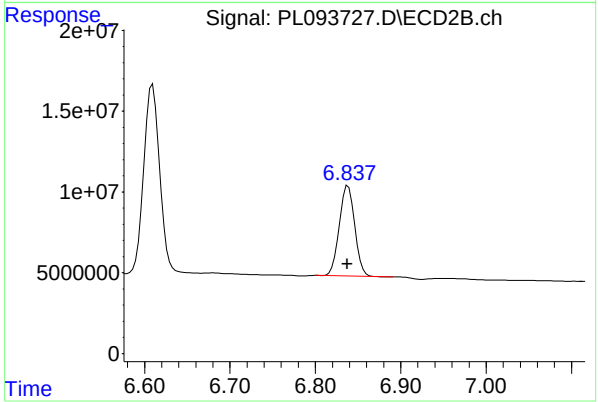
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 151645256
Conc: 84.81 ng/ml



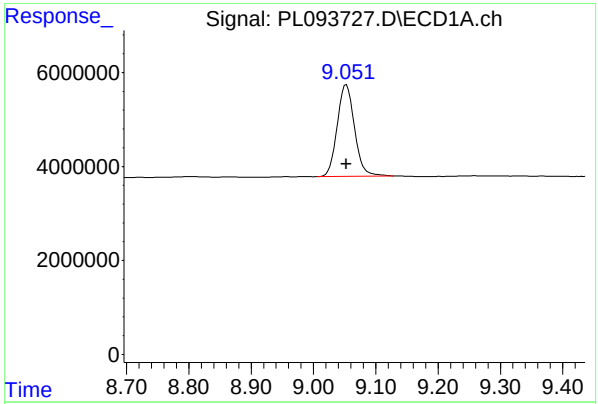
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 44318803
Conc: 17.57 ng/ml



#21 Endrin ketone

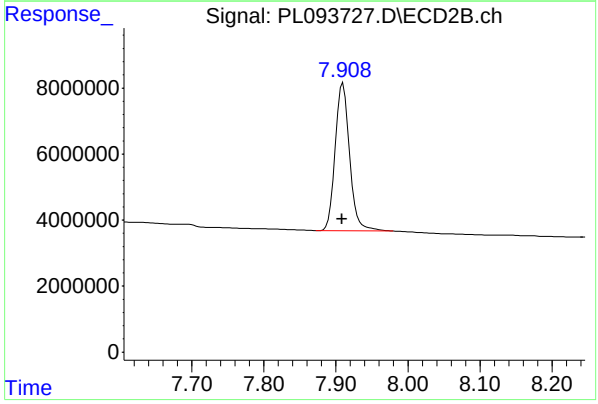
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 37826748
Conc: 18.08 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 61983547
Conc: 17.69 ng/ml

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1215

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	9.05	3.54
PEM	PEM	01/21/2025	10:30	PL093726.D	9.05	3.54
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	9.05	3.54
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	9.05	3.54
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	9.05	3.54
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	9.05	3.54
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	9.05	3.54
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	9.05	3.54
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	9.05	3.54
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	9.05	3.54
I.BLK	I.BLK	01/30/2025	17:59	PL093904.D	9.05	3.54
PEM	PEM	01/30/2025	18:39	PL093905.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/30/2025	19:06	PL093906.D	9.05	3.54
PB166359BL	PB166359BL	01/30/2025	19:32	PL093907.D	9.05	3.54
PB166359BS	PB166359BS	01/30/2025	19:45	PL093908.D	9.05	3.54
JPP-29.2-012825	Q1215-07	01/30/2025	19:58	PL093909.D	9.05	3.54
I.BLK	I.BLK	01/30/2025	21:44	PL093917.D	9.05	3.54
PSTDCCC050	PSTDCCC050	01/30/2025	22:23	PL093919.D	9.05	3.54
PEM	PEM	01/31/2025	19:39	PL093958.D	9.06	3.54
I.BLK	I.BLK	01/31/2025	22:43	PL093970.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/01/2025	00:57	PL093971.D	9.06	3.54
JPP-29.1-012825	Q1215-03	02/01/2025	01:10	PL093972.D	9.05	3.54
JPP-29.1-012825MS	Q1215-03MS	02/01/2025	01:24	PL093973.D	9.05	3.54
JPP-29.1-012825MSD	Q1215-03MSD	02/01/2025	01:37	PL093974.D	9.05	3.54
I.BLK	I.BLK	02/01/2025	02:43	PL093977.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/01/2025	02:56	PL093978.D	9.06	3.54

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1215

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	7.91	2.78
PEM	PEM	01/21/2025	10:30	PL093726.D	7.91	2.78
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	7.91	2.77
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	7.91	2.78
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	7.91	2.77
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	7.91	2.77
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	7.91	2.77
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	7.91	2.77
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	7.91	2.77
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	7.91	2.77
I.BLK	I.BLK	01/30/2025	17:59	PL093904.D	7.91	2.77
PEM	PEM	01/30/2025	18:39	PL093905.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/30/2025	19:06	PL093906.D	7.91	2.77
PB166359BL	PB166359BL	01/30/2025	19:32	PL093907.D	7.91	2.77
PB166359BS	PB166359BS	01/30/2025	19:45	PL093908.D	7.91	2.77
JPP-29.2-012825	Q1215-07	01/30/2025	19:58	PL093909.D	7.91	2.77
I.BLK	I.BLK	01/30/2025	21:44	PL093917.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/30/2025	22:23	PL093919.D	7.91	2.77
PEM	PEM	01/31/2025	19:39	PL093958.D	7.91	2.77
I.BLK	I.BLK	01/31/2025	22:43	PL093970.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/01/2025	00:57	PL093971.D	7.91	2.77
JPP-29.1-012825	Q1215-03	02/01/2025	01:10	PL093972.D	7.91	2.77
JPP-29.1-012825MS	Q1215-03MS	02/01/2025	01:24	PL093973.D	7.91	2.77
JPP-29.1-012825MSD	Q1215-03MSD	02/01/2025	01:37	PL093974.D	7.91	2.77
I.BLK	I.BLK	02/01/2025	02:43	PL093977.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/01/2025	02:56	PL093978.D	7.91	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-03 **Date(s) Analyzed:** 02/01/2025 02/01/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	1.50	89.4
	2	5.77	5.72	5.82	0.57	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-03MS **Date(s) Analyzed:** 02/01/2025 02/01/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.5	0.6
	2	5.93	5.88	5.98	16.6	
4,4'-DDD	1	6.71	6.66	6.76	19.0	20.9
	2	5.78	5.73	5.83	15.4	
4,4'-DDT	1	7.02	6.97	7.07	17.1	12.4
	2	6.03	5.98	6.08	15.1	
Endrin aldehyde	1	6.93	6.88	6.98	15.1	3.4
	2	6.11	6.06	6.16	14.6	
Endosulfan sulfate	1	7.16	7.11	7.21	15.7	0
	2	6.33	6.28	6.38	15.7	
Methoxychlor	1	7.50	7.45	7.55	16.3	13.8
	2	6.61	6.56	6.66	14.2	
Endrin ketone	1	7.64	7.59	7.69	15.7	17.3
	2	6.84	6.79	6.89	13.2	
alpha-BHC	1	3.99	3.94	4.04	17.8	5.8
	2	3.28	3.23	3.33	16.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.7	7.2
	2	3.61	3.56	3.66	17.4	
Heptachlor	1	4.91	4.86	4.96	17.8	1.7
	2	3.95	3.90	4.00	17.5	
Aldrin	1	5.26	5.21	5.31	16.9	0.6
	2	4.22	4.17	4.27	17.0	
beta-BHC	1	4.53	4.48	4.58	14.3	17.3
	2	3.91	3.86	3.96	17.0	
delta-BHC	1	4.77	4.72	4.82	17.6	0.6
	2	4.14	4.09	4.19	17.5	
Heptachlor epoxide	1	5.68	5.63	5.73	15.5	9.8
	2	4.73	4.68	4.78	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-03MS **Date(s) Analyzed:** 02/01/2025 02/01/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	16.7	42
	2	5.10	5.05	5.15	10.9	
gamma-Chlordane	1	5.94	5.89	5.99	20.1	11
	2	4.98	4.93	5.03	18.0	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	3.9
	2	5.04	4.99	5.09	17.5	
4,4'-DDE	1	6.19	6.14	6.24	11.0	46.2
	2	5.23	5.18	5.28	17.6	
Dieldrin	1	6.35	6.30	6.40	15.8	5.5
	2	5.36	5.31	5.41	16.7	
Endrin	1	6.58	6.53	6.63	15.0	16.5
	2	5.64	5.59	5.69	17.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MSD

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-03MSD **Date(s) Analyzed:** 02/01/2025 02/01/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.1	0.6
	2	5.93	5.88	5.98	16.2	
4,4'-DDD	1	6.71	6.66	6.76	18.7	22.6
	2	5.79	5.74	5.84	14.9	
4,4'-DDT	1	7.02	6.97	7.07	16.3	11.7
	2	6.03	5.98	6.08	14.5	
Endrin aldehyde	1	6.93	6.88	6.98	14.7	0.7
	2	6.11	6.06	6.16	14.6	
Endosulfan sulfate	1	7.16	7.11	7.21	14.9	3.3
	2	6.34	6.29	6.39	15.4	
Endrin ketone	1	7.64	7.59	7.69	15.0	15.1
	2	6.84	6.79	6.89	12.9	
alpha-BHC	1	3.99	3.94	4.04	17.6	6.5
	2	3.28	3.23	3.33	16.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.5	7.9
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	17.5	2.9
	2	3.95	3.90	4.00	17.0	
Aldrin	1	5.26	5.21	5.31	16.6	0.6
	2	4.22	4.17	4.27	16.7	
beta-BHC	1	4.53	4.48	4.58	14.1	27.5
	2	3.91	3.86	3.96	18.6	
delta-BHC	1	4.77	4.72	4.82	17.5	2.3
	2	4.14	4.09	4.19	17.1	
Heptachlor epoxide	1	5.68	5.63	5.73	15.3	9.3
	2	4.73	4.68	4.78	16.8	
Endosulfan I	1	6.07	6.02	6.12	15.9	52.4
	2	5.10	5.05	5.15	9.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MSD

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-03MSD **Date(s) Analyzed:** 02/01/2025 02/01/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	19.6	9.1
	2	4.98	4.93	5.03	17.9	
alpha-Chlordane	1	6.02	5.97	6.07	17.6	2.3
	2	5.04	4.99	5.09	17.2	
4,4'-DDE	1	6.19	6.14	6.24	10.8	41.2
	2	5.23	5.18	5.28	16.4	
Dieldrin	1	6.35	6.30	6.40	15.4	5.7
	2	5.36	5.31	5.41	16.3	
Endrin	1	6.57	6.52	6.62	15.3	13.4
	2	5.64	5.59	5.69	17.5	
Methoxychlor	1	7.50	7.45	7.55	15.8	21
	2	6.61	6.56	6.66	12.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.2-012825

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: Q1215-07 **Date(s) Analyzed:** 01/30/2025 01/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.02	5.97	6.07	0.52	80.8
	2	5.04	4.99	5.09	0.22	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166359BS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: PB166359BS **Date(s) Analyzed:** 01/30/2025 01/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	16.3	7.7
	2	5.10	5.05	5.15	17.6	
alpha-Chlordane	1	6.02	5.97	6.07	16.5	6.5
	2	5.04	4.99	5.09	17.6	
4,4'-DDE	1	6.19	6.14	6.24	17.6	3.4
	2	5.23	5.18	5.28	18.2	
Dieldrin	1	6.34	6.29	6.39	16.5	4.7
	2	5.36	5.31	5.41	17.3	
Endrin	1	6.57	6.52	6.62	14.9	7.7
	2	5.64	5.59	5.69	16.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	3.1
	2	6.61	6.56	6.66	15.8	
Endrin ketone	1	7.64	7.59	7.69	17.1	4
	2	6.84	6.79	6.89	17.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.0	1.9
	2	3.61	3.56	3.66	16.3	
Heptachlor	1	4.92	4.87	4.97	16.5	0.6
	2	3.95	3.90	4.00	16.6	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	7.3
	2	4.73	4.68	4.78	17.1	
gamma-Chlordane	1	5.94	5.89	5.99	16.5	7.6
	2	4.98	4.93	5.03	17.8	
Endosulfan II	1	6.79	6.74	6.84	16.6	5.8
	2	5.93	5.88	5.98	17.6	
4,4'-DDD	1	6.71	6.66	6.76	18.9	3.6
	2	5.78	5.73	5.83	19.6	
4,4'-DDT	1	7.02	6.97	7.07	16.6	1.2
	2	6.03	5.98	6.08	16.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166359BS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1215 **SAS No.:** Q1215 **SDG NO.:** Q1215

Lab Sample ID: PB166359BS **Date(s) Analyzed:** 01/30/2025 01/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin aldehyde	1	6.92	6.87	6.97	16.6	1.8
	2	6.11	6.06	6.16	16.9	
Endosulfan sulfate	1	7.16	7.11	7.21	16.6	5.3
	2	6.33	6.28	6.38	17.5	
alpha-BHC	1	3.99	3.94	4.04	16.2	2.4
	2	3.28	3.23	3.33	16.6	
Aldrin	1	5.26	5.21	5.31	16.1	2.5
	2	4.23	4.18	4.28	16.5	
beta-BHC	1	4.53	4.48	4.58	16.6	1.8
	2	3.91	3.86	3.96	16.9	
delta-BHC	1	4.77	4.72	4.82	16.4	0
	2	4.14	4.09	4.19	16.4	

QC SAMPLE DATA

Raw Data: **PL093907.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166359BL	SDG No.:	Q1215
Lab Sample ID:	PB166359BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093907.D	1	01/30/25 08:30	01/30/25 19:32	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.70	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	1.70	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	1.70	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	1.70	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	1.70	U	0.17	1.70	ug/kg
309-00-2	Aldrin	1.70	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	1.70	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	1.70	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	1.70	U	0.13	1.70	ug/kg
72-20-8	Endrin	1.70	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	1.70	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	1.70	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	1.70	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.70	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.70	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.6		10 - 148	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		10 - 159	108%	SPK: 20

Raw Data: **PL093907.D**

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166359BL	SDG No.:	Q1215
Lab Sample ID:	PB166359BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093907.D	1	01/30/25 08:30	01/30/25 19:32	PB166359

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093907.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:32
Operator : AR\AJ
Sample : PB166359BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166359BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:37:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	56874689	70398376	21.121	21.567
28)	SA Decachlor...	9.053	7.909	49410514	78792789	23.620	22.486
	Target Compounds						

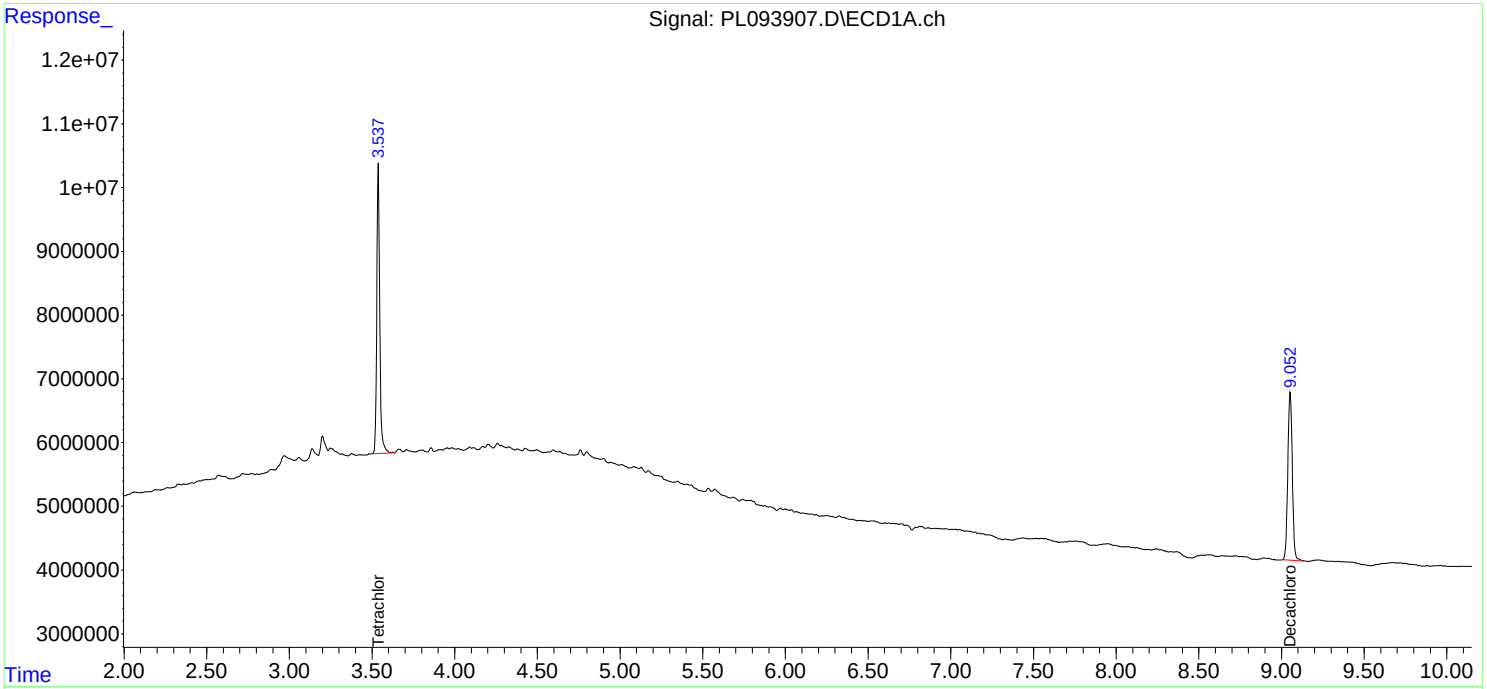
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

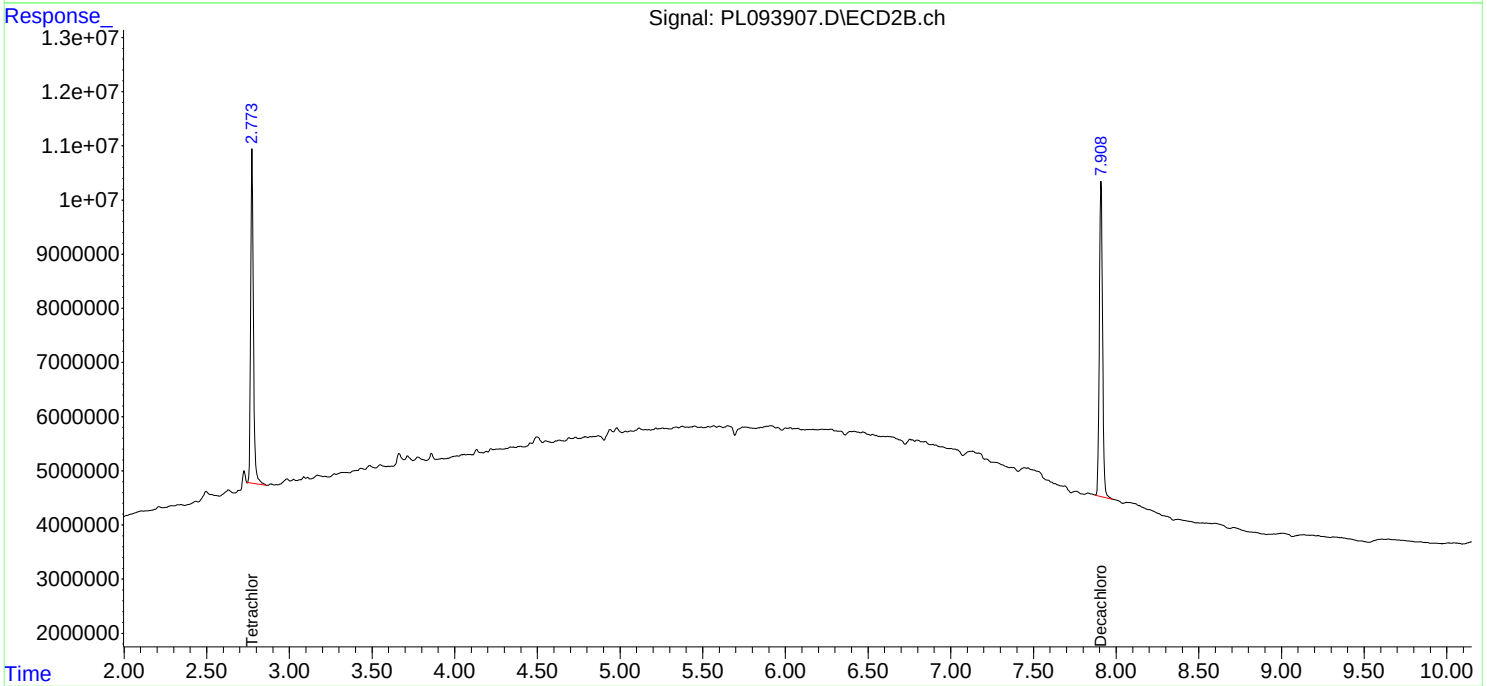
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:32
Operator : AR\AJ
Sample : PB166359BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

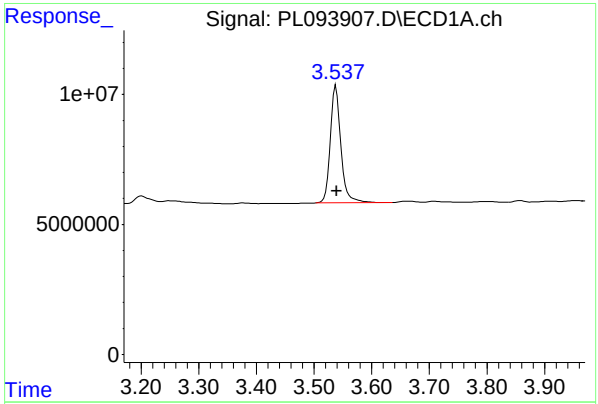
Instrument :
ECD_L
ClientSampleId :
PB166359BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:37:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



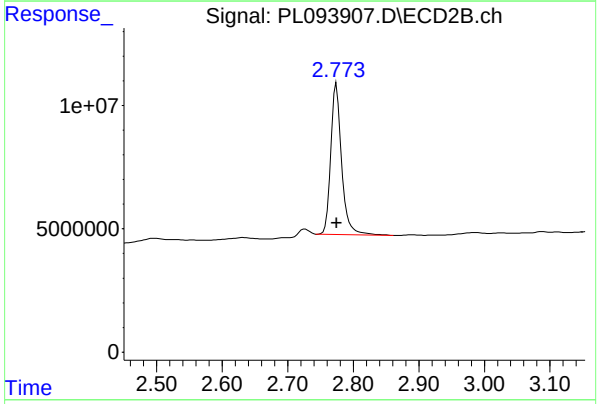




#1 Tetrachloro-m-xylene

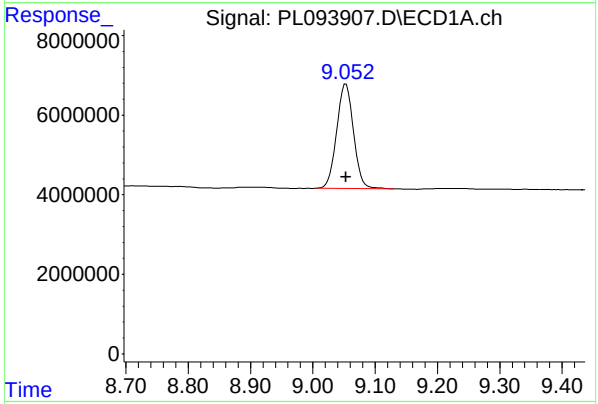
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 56874689
Conc: 21.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BL



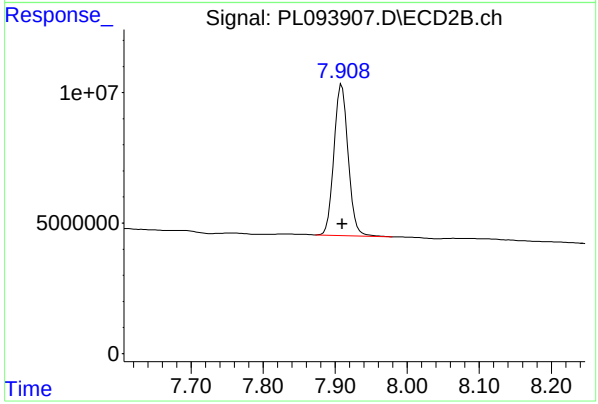
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 70398376
Conc: 21.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 49410514
Conc: 23.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 78792789
Conc: 22.49 ng/ml

Raw Data: **PL093725.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/21/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093725.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093725.D	1		01/21/25	PL012125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		77 - 126	104%	SPK: 20

Raw Data: **PL093725.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/21/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093725.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093725.D	1		01/21/25	PL012125

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093725.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
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: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	55919553	66932258	20.767	20.505
28)	SA Decachlor...	9.052	7.909	46293108	76642664	22.130	21.872
	Target Compounds						

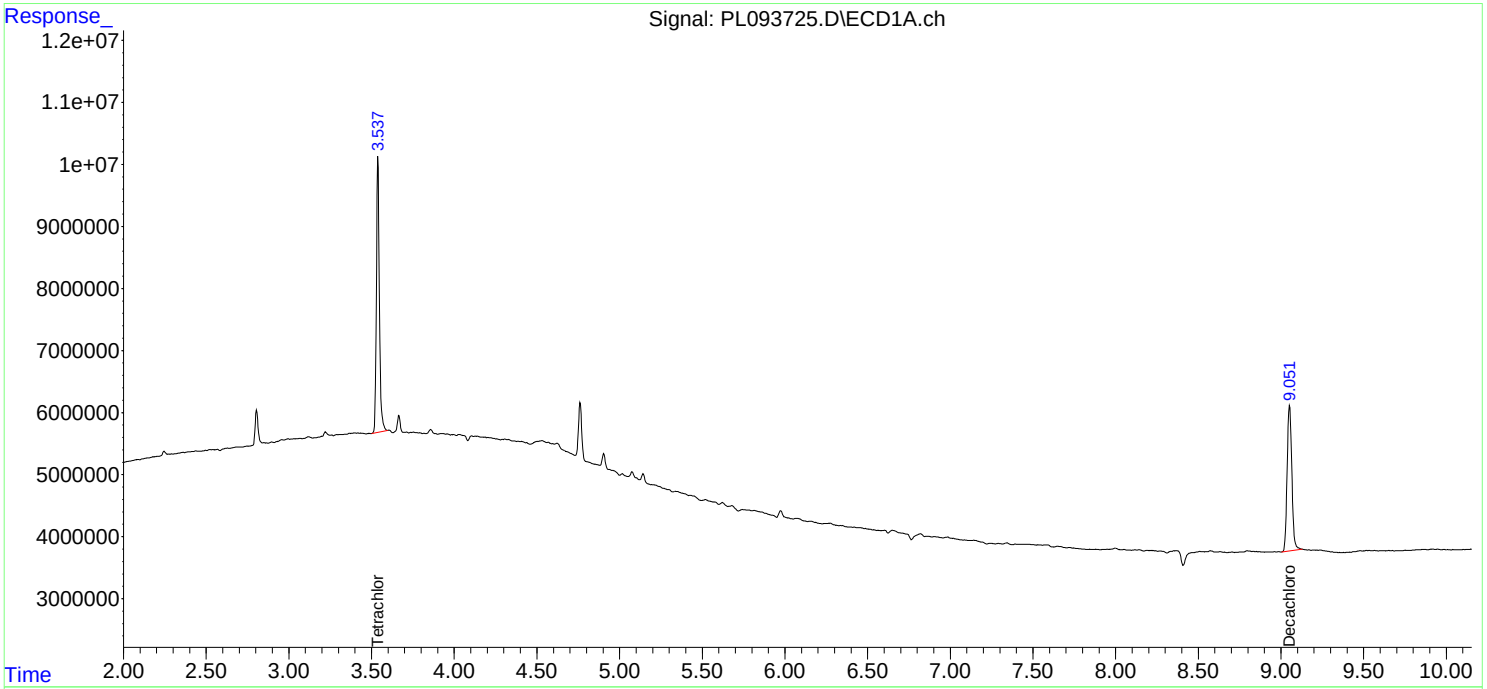
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

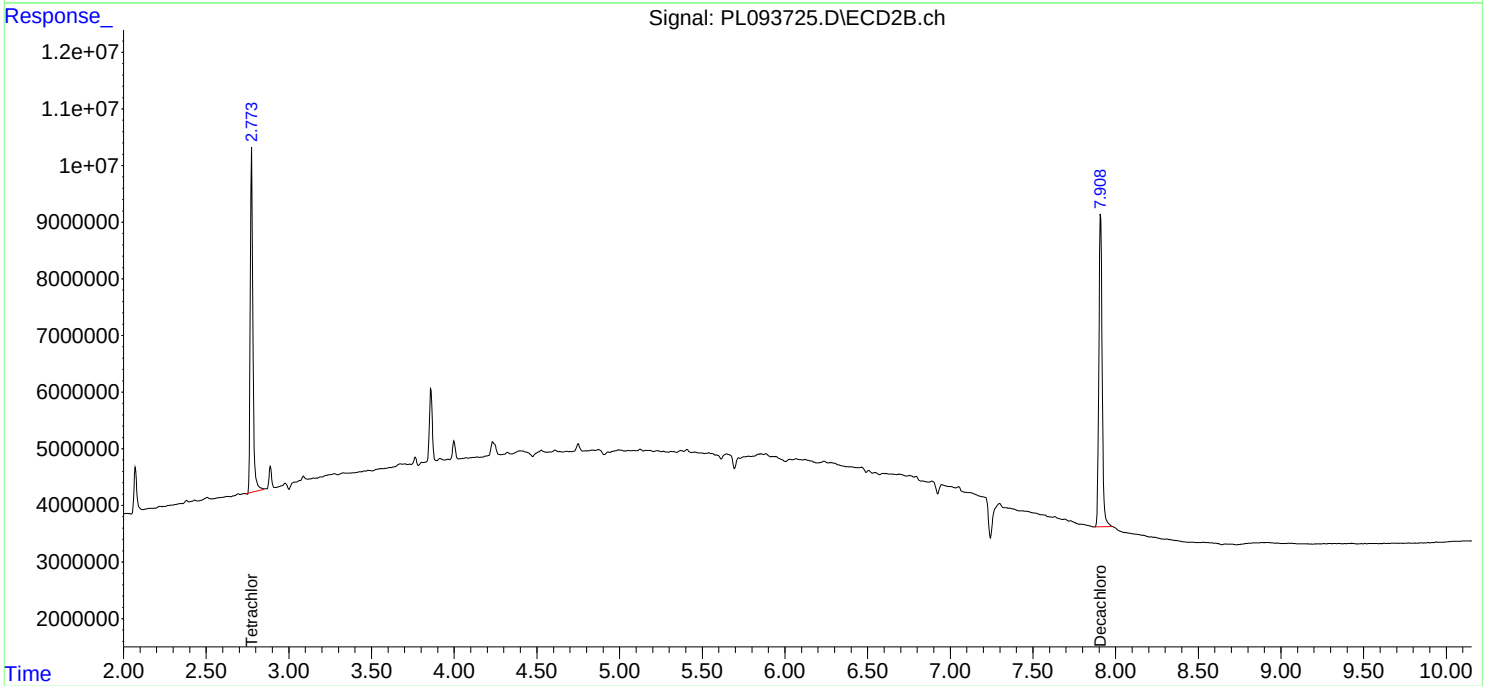
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

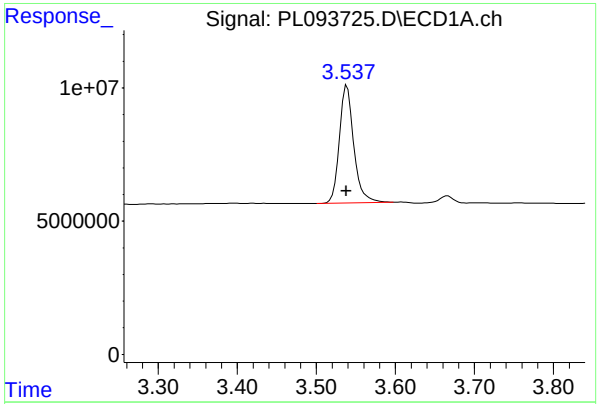
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



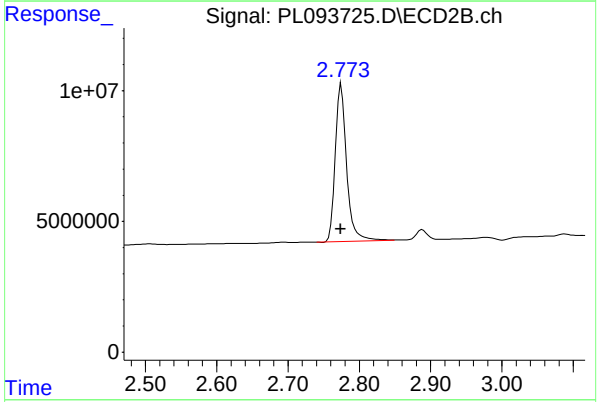




#1 Tetrachloro-m-xylene

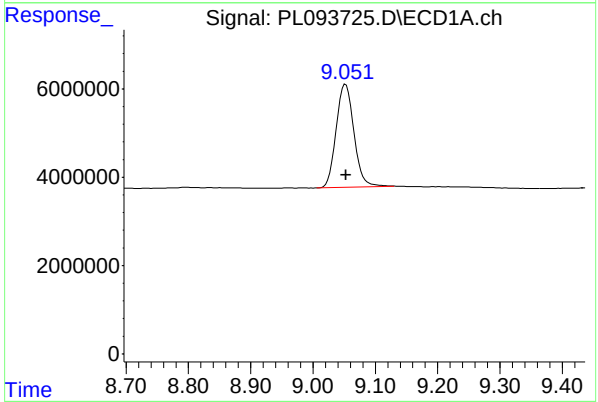
R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 55919553
Conc: 20.77 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



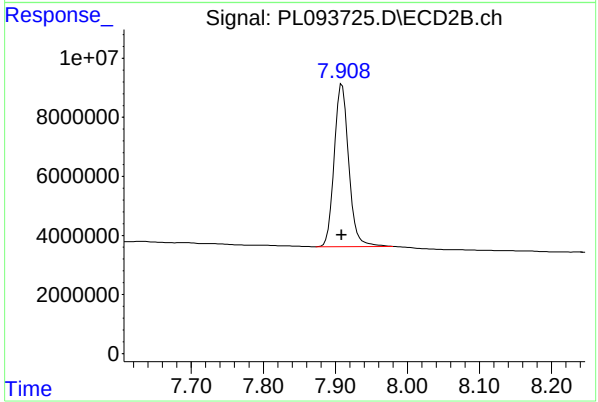
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 66932258
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 46293108
Conc: 22.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 76642664
Conc: 21.87 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093904.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093904.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093904.D	1		01/30/25	pl013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		77 - 126	96%	SPK: 20

Raw Data: **PL093904.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093904.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093904.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093904.D	1		01/30/25	pl013025

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 17:59
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: Jan 31 01:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	51465078	60888664	19.112	18.654
28)	SA Decachlor...	9.053	7.909	42334816	56212540	20.237	16.042
	Target Compounds						

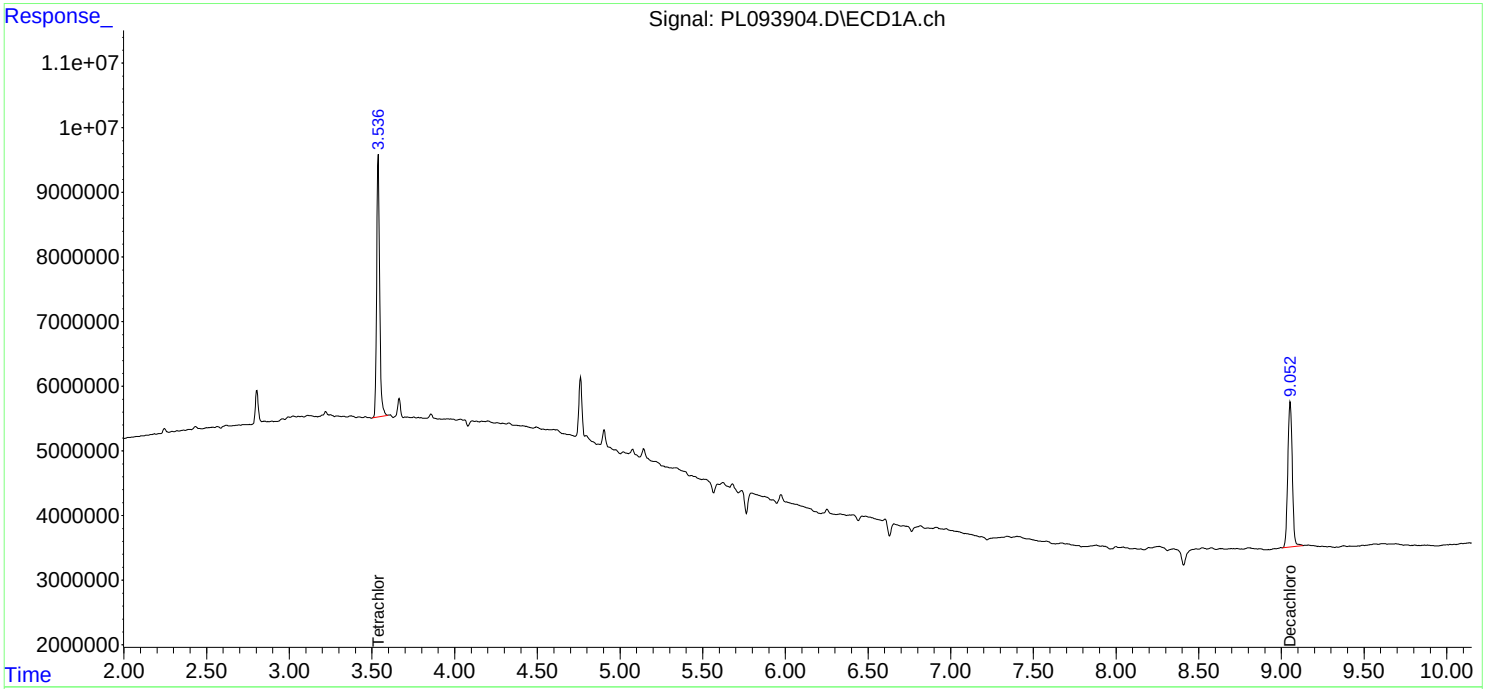
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

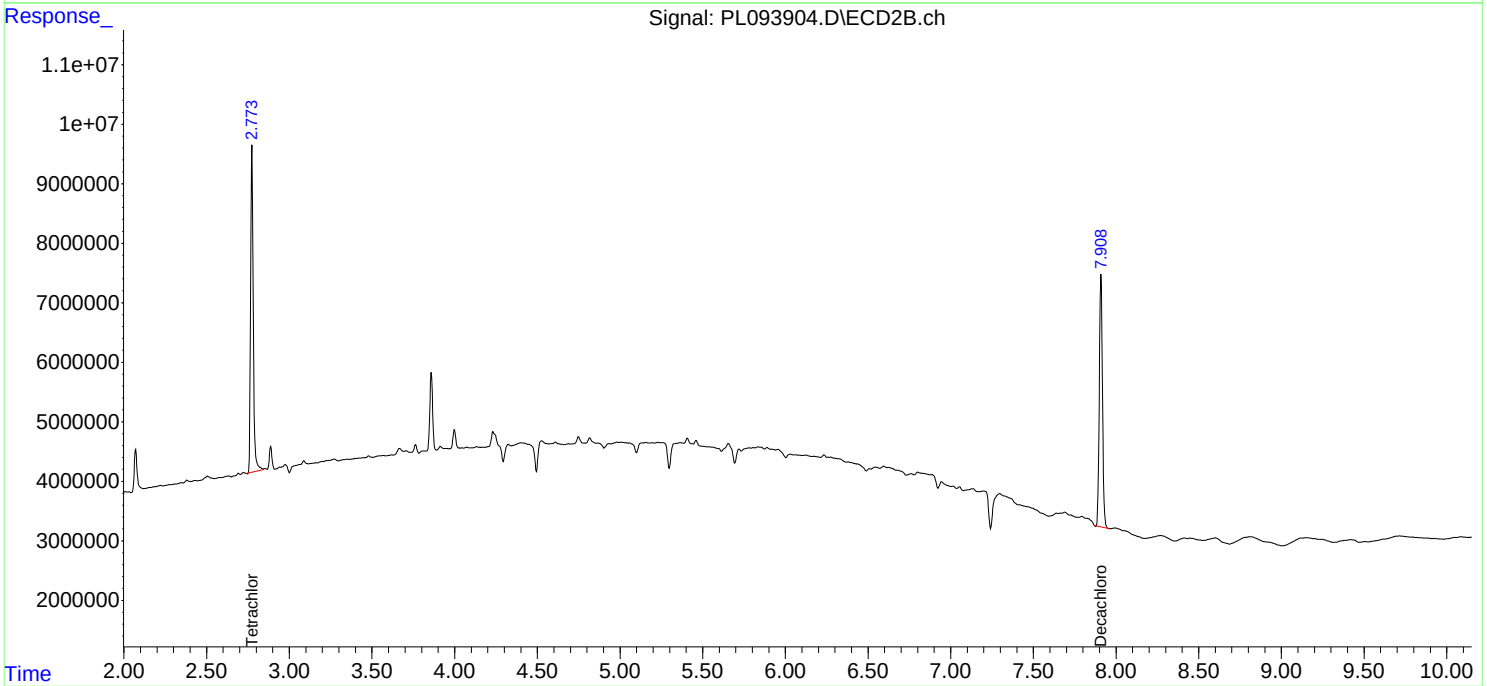
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 17:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

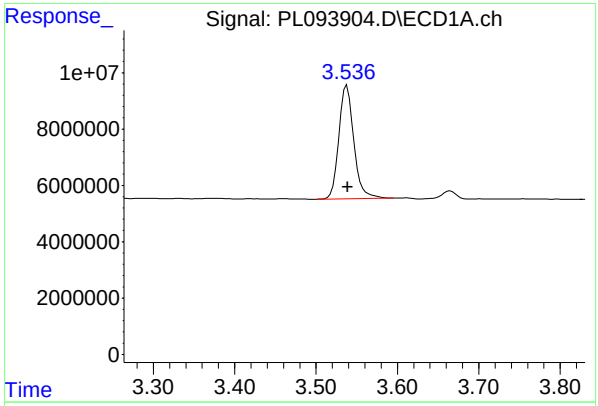
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



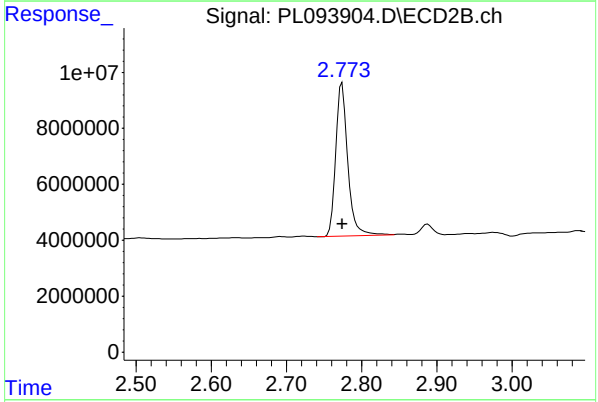




#1 Tetrachloro-m-xylene

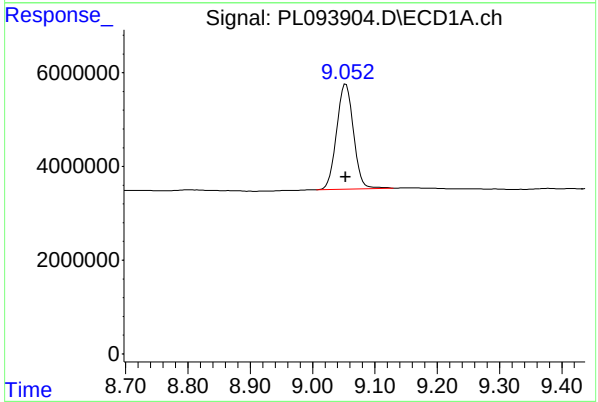
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 51465078
Conc: 19.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



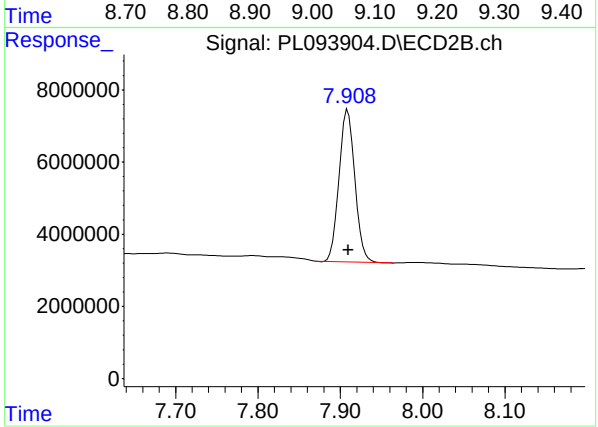
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60888664
Conc: 18.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 42334816
Conc: 20.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 56212540
Conc: 16.04 ng/ml

Raw Data: **PL093917.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093917.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093917.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093917.D	1		01/30/25	pl013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		43 - 140	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	SPK: 20

Raw Data: **PL093917.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093917.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093917.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093917.D	1		01/30/25	pl013025

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093917.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:44
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: Jan 31 01:41:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	51915275	60863371	19.280	18.646
28)	SA Decachlor...	9.052	7.909	44395099	63330738	21.222	18.073
	Target Compounds						

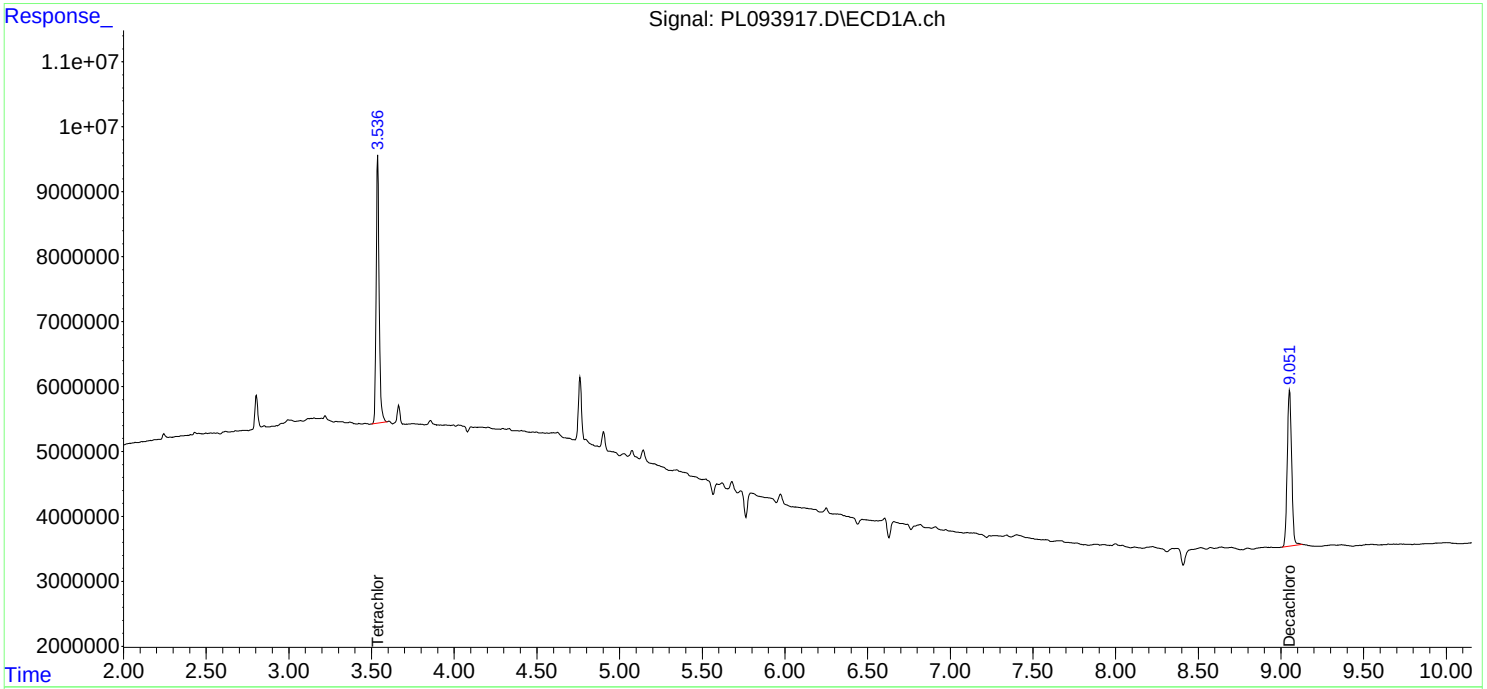
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

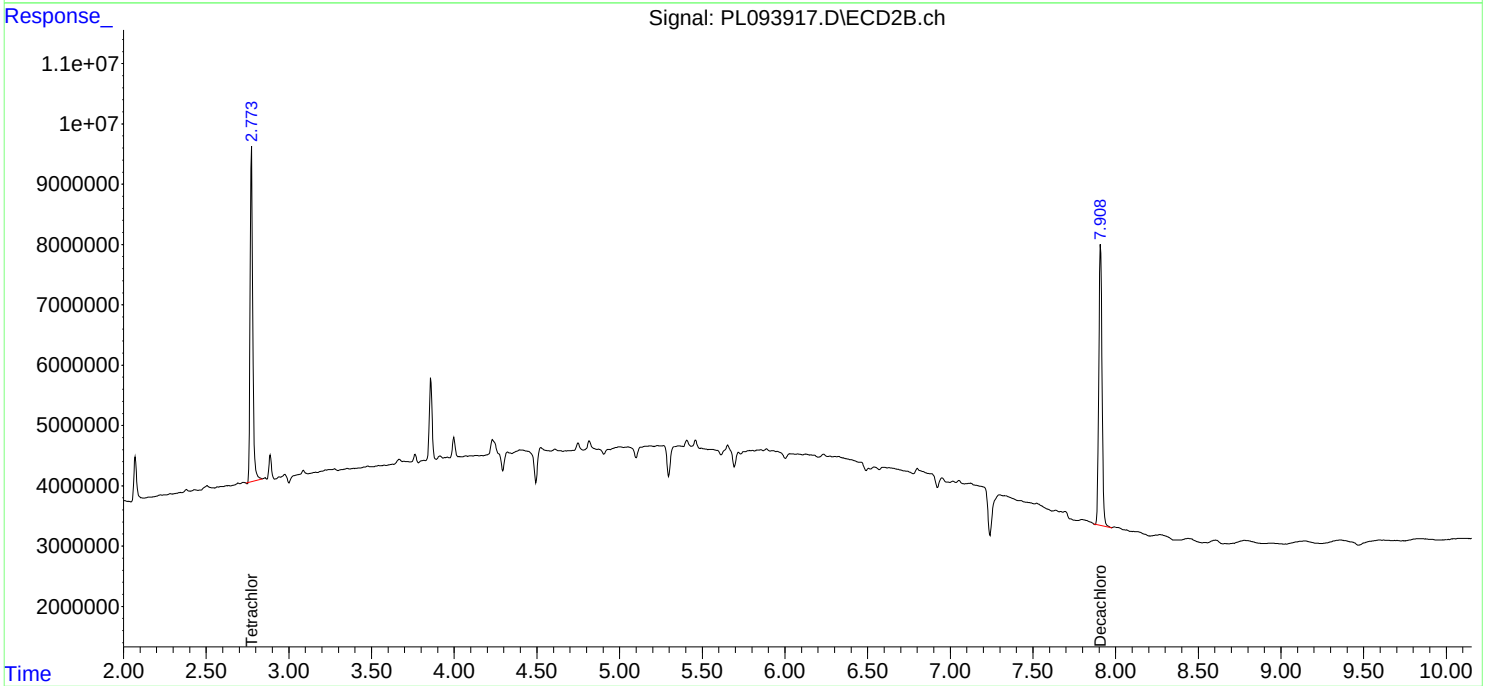
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

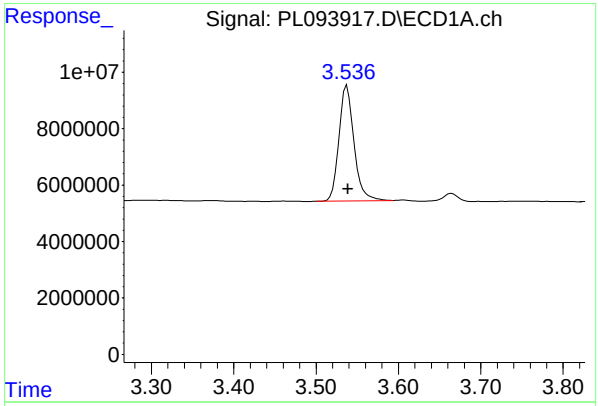
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:41:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



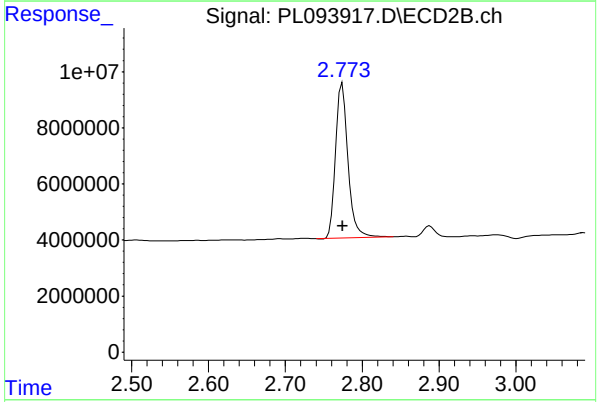




#1 Tetrachloro-m-xylene

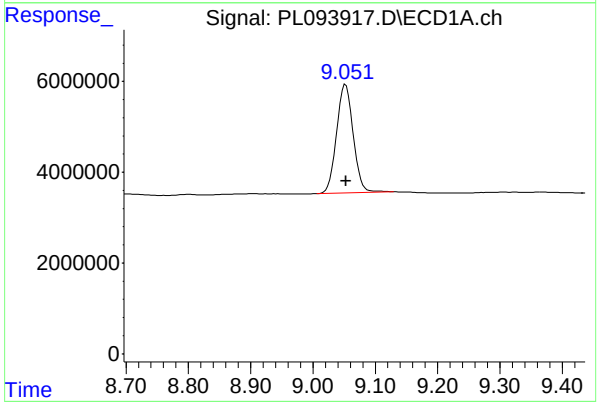
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 51915275
Conc: 19.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



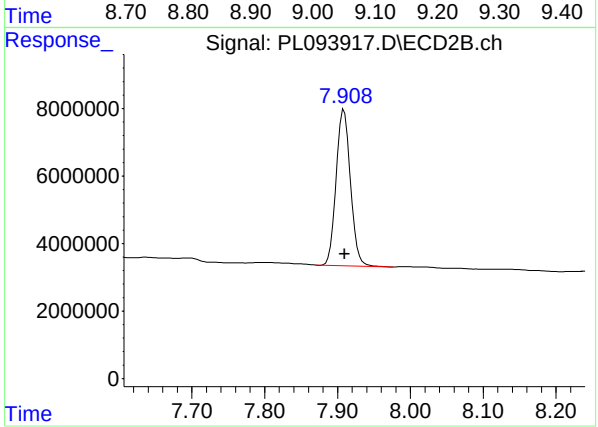
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60863371
Conc: 18.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 44395099
Conc: 21.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 63330738
Conc: 18.07 ng/ml

Raw Data: **PL093970.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PL093970.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093970.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093970.D	1		01/31/25	pl013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	107%	SPK: 20

Raw Data: **PL093970.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PL093970.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093970.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093970.D	1		01/31/25	pl013125

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093970.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 22:43
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: Feb 01 00:37:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.773	57423032	65419079	21.325	20.042
28)	SA Decachlor...	9.057	7.911	40262923	56527597	19.247	16.132
	Target Compounds						

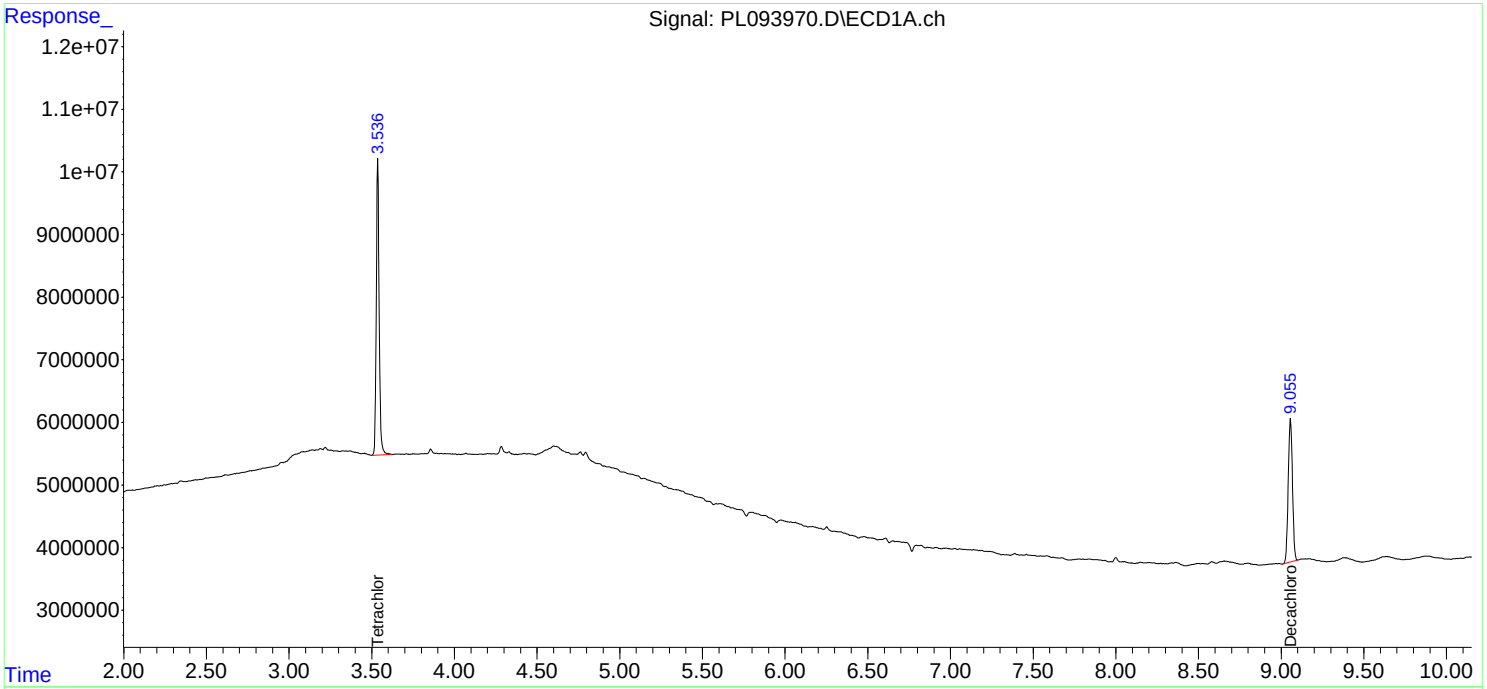
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

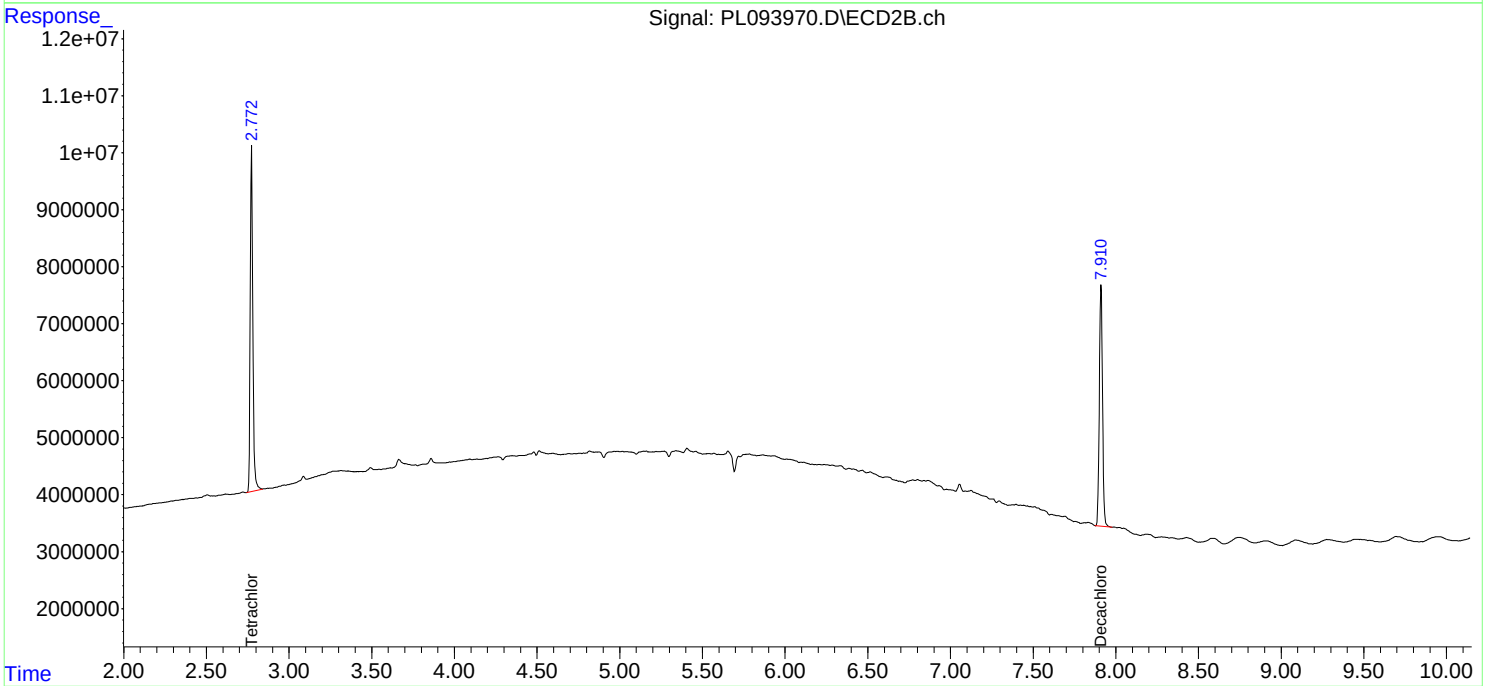
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 22:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

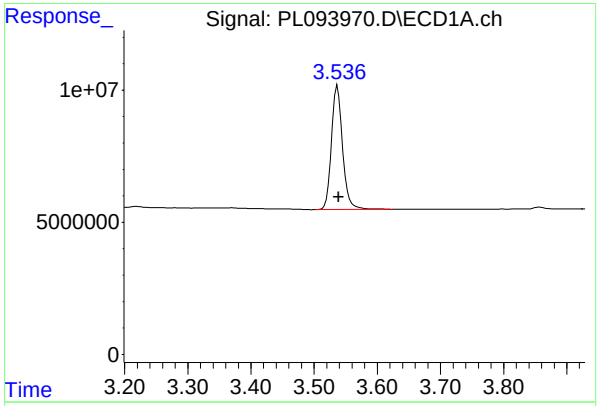
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:37:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



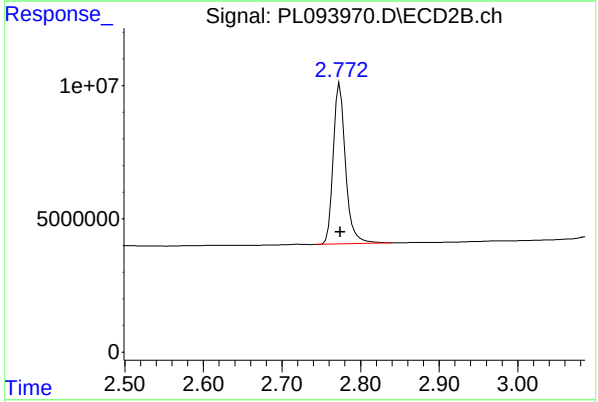




#1 Tetrachloro-m-xylene

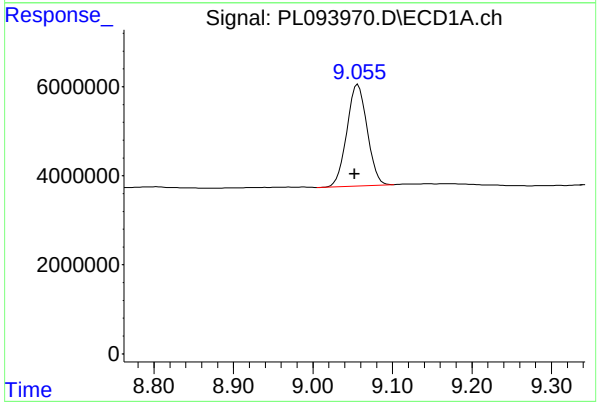
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 57423032
Conc: 21.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



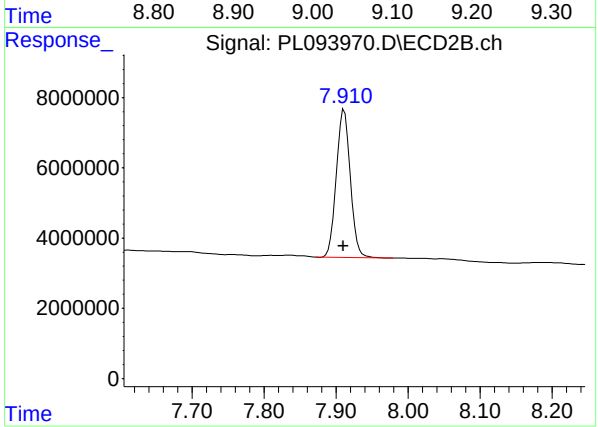
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 65419079
Conc: 20.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.004 min
Response: 40262923
Conc: 19.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 56527597
Conc: 16.13 ng/ml

Raw Data: **PL093977.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/01/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/01/25
Client Sample ID:	PIBLK-PL093977.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093977.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093977.D	1		02/01/25	pl013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		77 - 126	109%	SPK: 20

Raw Data: **PL093977.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/01/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/01/25
Client Sample ID:	PIBLK-PL093977.D	SDG No.:	Q1215
Lab Sample ID:	I.BLK-PL093977.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093977.D	1		02/01/25	pl013125

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093977.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 02:43
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: Feb 01 06:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	58917361	68487146	21.880	20.982
28)	SA Decachlor...	9.056	7.911	39486773	63606735	18.876	18.152
	Target Compounds						

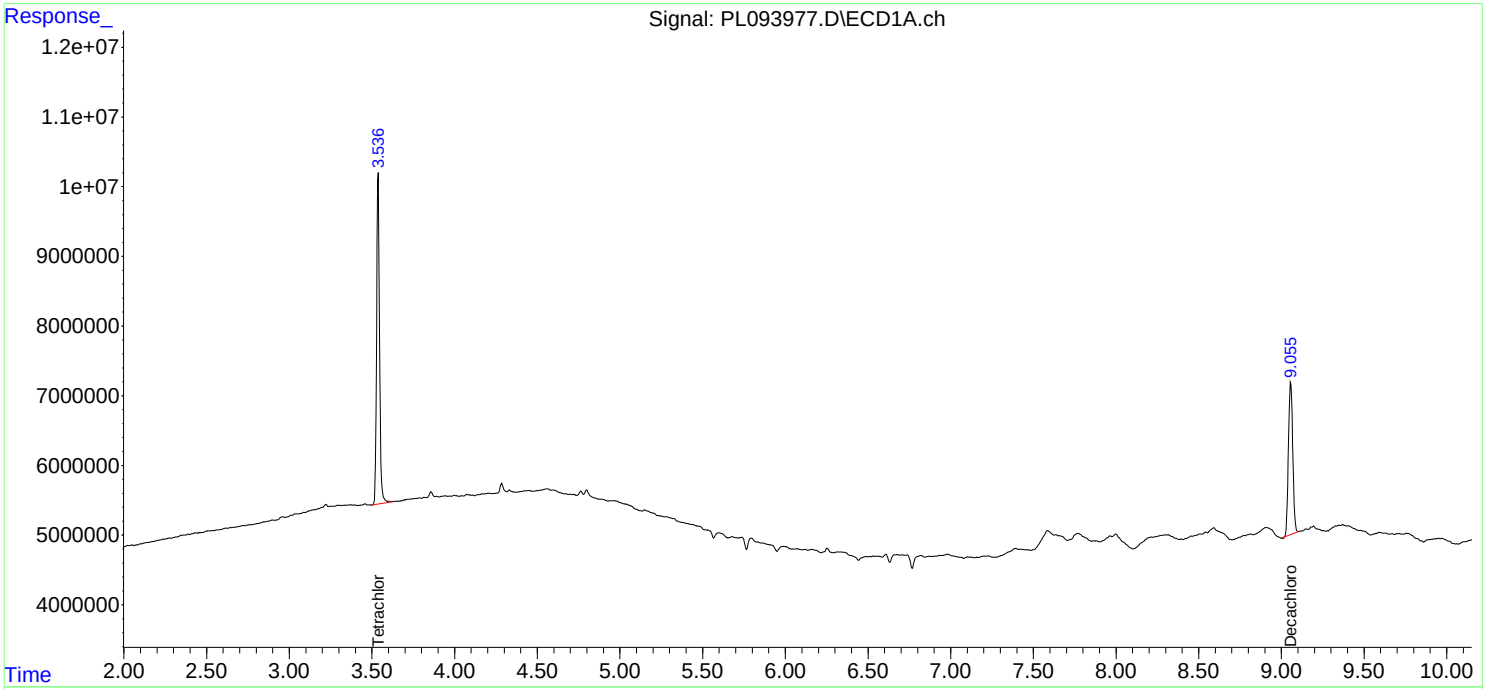
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

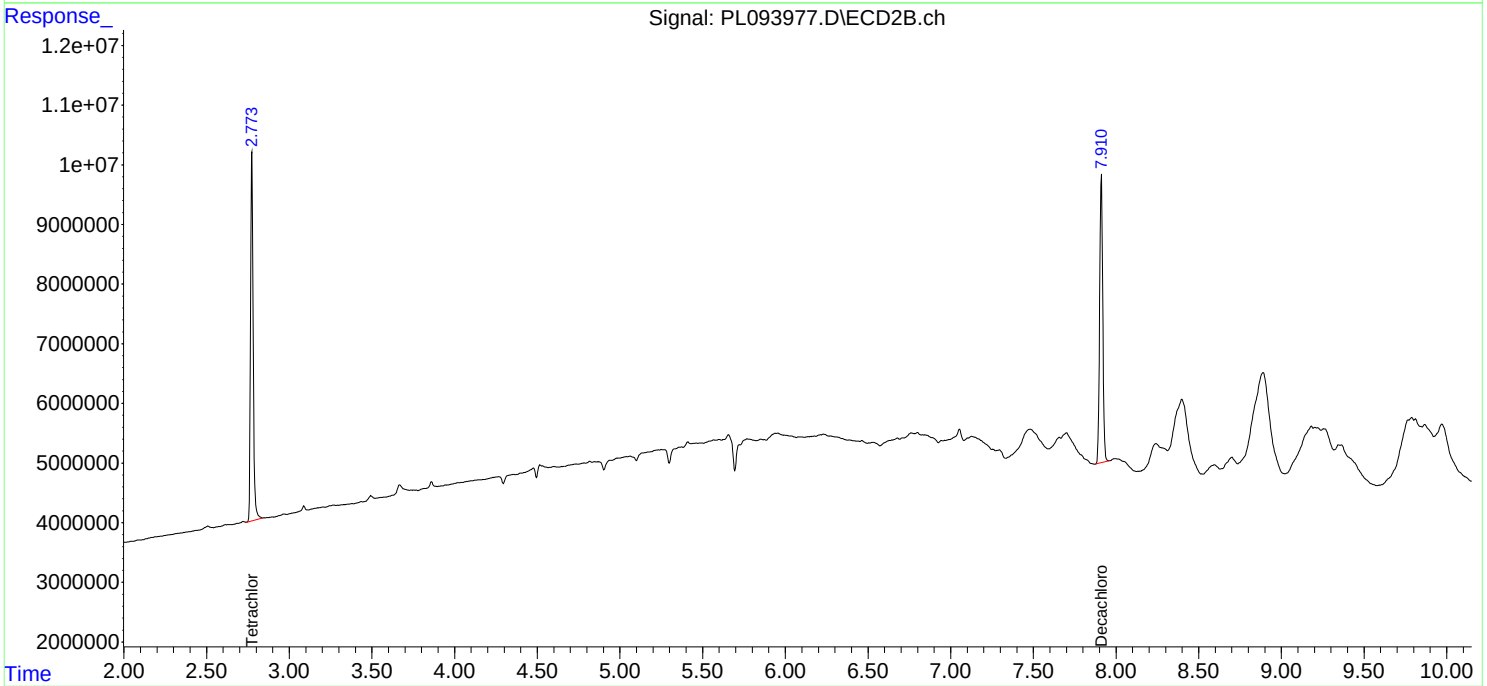
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 02:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

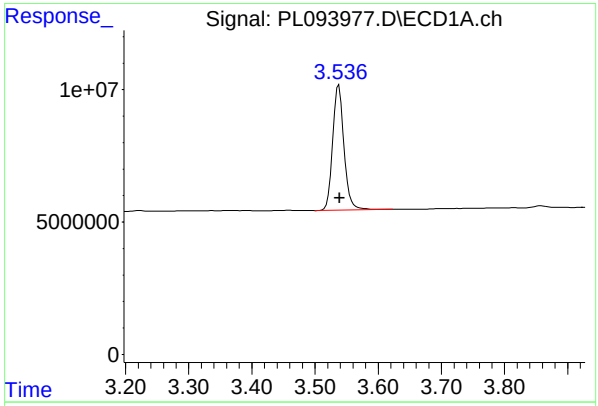
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



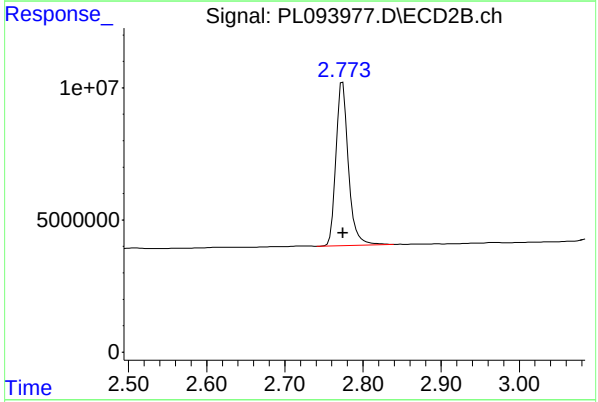




#1 Tetrachloro-m-xylene

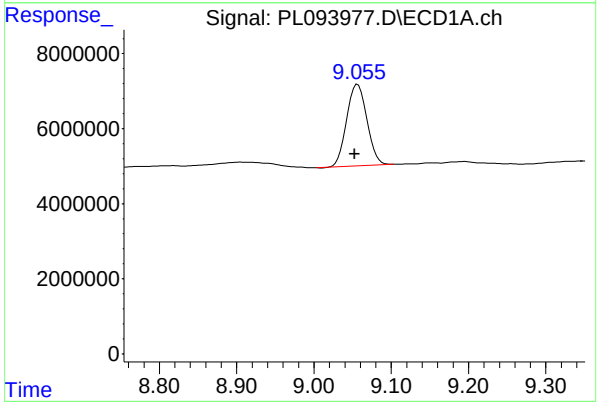
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 58917361
Conc: 21.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



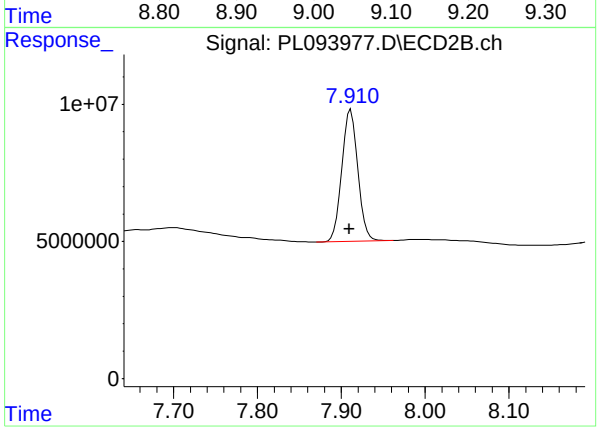
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 68487146
Conc: 20.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 39486773
Conc: 18.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.002 min
Response: 63606735
Conc: 18.15 ng/ml

Raw Data: **PL093908.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166359BS	SDG No.:	Q1215
Lab Sample ID:	PB166359BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093908.D	1	01/30/25 08:30	01/30/25 19:45	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.6		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.9		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.3		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.6		0.17	1.70	ug/kg
309-00-2	Aldrin	16.5		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.6		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.2		0.13	1.70	ug/kg
72-20-8	Endrin	16.1		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.6		0.30	1.70	ug/kg
72-54-8	4,4-DDD	19.6		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.6		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.3		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.8		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.8		0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		10 - 148	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		10 - 159	103%	SPK: 20

Raw Data: **PL093908.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166359BS	SDG No.:	Q1215
Lab Sample ID:	PB166359BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093908.D	1	01/30/25 08:30	01/30/25 19:45	PB166359

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

Sample Results: **PL093908.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:45
Operator : AR\AJ
Sample : PB166359BS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166359BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:37:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.774	55326192	65317876	20.546	20.011
28) SA	Decachlor...	9.054	7.910	48909884	77024089	23.380	21.981
	Target Compounds						
2) A	alpha-BHC	3.994	3.277	186.0E6	243.7E6	48.513	49.837
3) MA	gamma-BHC...	4.327	3.607	176.9E6	232.5E6	48.023	49.041
4) MA	Heptachlor	4.915	3.945	162.8E6	232.1E6	49.673	49.872
5) MB	Aldrin	5.256	4.225	158.5E6	226.0E6	48.457	49.551
6) B	beta-BHC	4.525	3.907	79902989	101.7E6	49.712	50.904
7) B	delta-BHC	4.772	4.135	172.3E6	233.8E6	49.160	49.212
8) B	Heptachlo...	5.683	4.727	142.3E6	214.8E6	47.845	51.384
9) A	Endosulfan I	6.068	5.097	129.4E6	205.2E6	48.970	52.927
10) B	gamma-Chl...	5.938	4.977	138.3E6	226.5E6	49.624	53.442
11) B	alpha-Chl...	6.018	5.041	138.4E6	221.4E6	49.622	52.879
12) B	4,4'-DDE	6.192	5.230	129.0E6	218.6E6	53.002	54.511
13) MA	Dieldrin	6.343	5.361	137.1E6	223.0E6	49.403	51.917
14) MA	Endrin	6.571	5.637	105.1E6	178.1E6	44.817m	48.226
15) B	Endosulfa...	6.793	5.931	120.4E6	195.3E6	49.973	52.728
16) A	4,4'-DDD	6.709	5.784	108.0E6	185.8E6	56.851	58.848
17) MA	4,4'-DDT	7.023	6.034	98199203	160.3E6	49.795	49.249
18) B	Endrin al...	6.923	6.111	97179453	154.9E6	49.988	50.872
19) B	Endosulfa...	7.158	6.333	113.1E6	187.0E6	49.964	52.445
20) A	Methoxychlor	7.500	6.610	51087245	85002231	48.962	47.537
21) B	Endrin ke...	7.644	6.839	129.6E6	224.4E6	51.386	53.494
22)	Mirex	8.116	7.019	95399893	157.1E6	45.811	46.467

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:45
Operator : AR\AJ
Sample : PB166359BS
Misc :
ALS Vial : 30 Sample Multiplier: 1

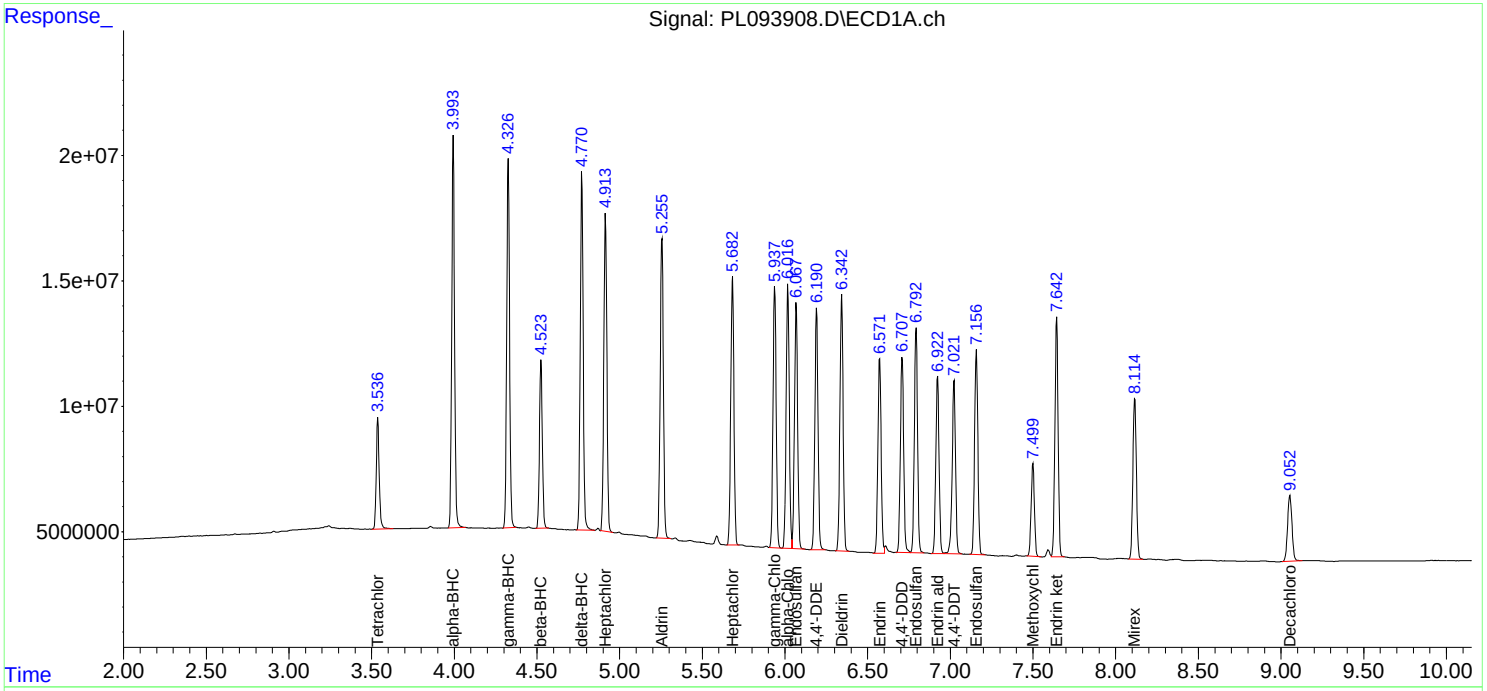
Instrument :
ECD_L
ClientSampleId :
PB166359BS

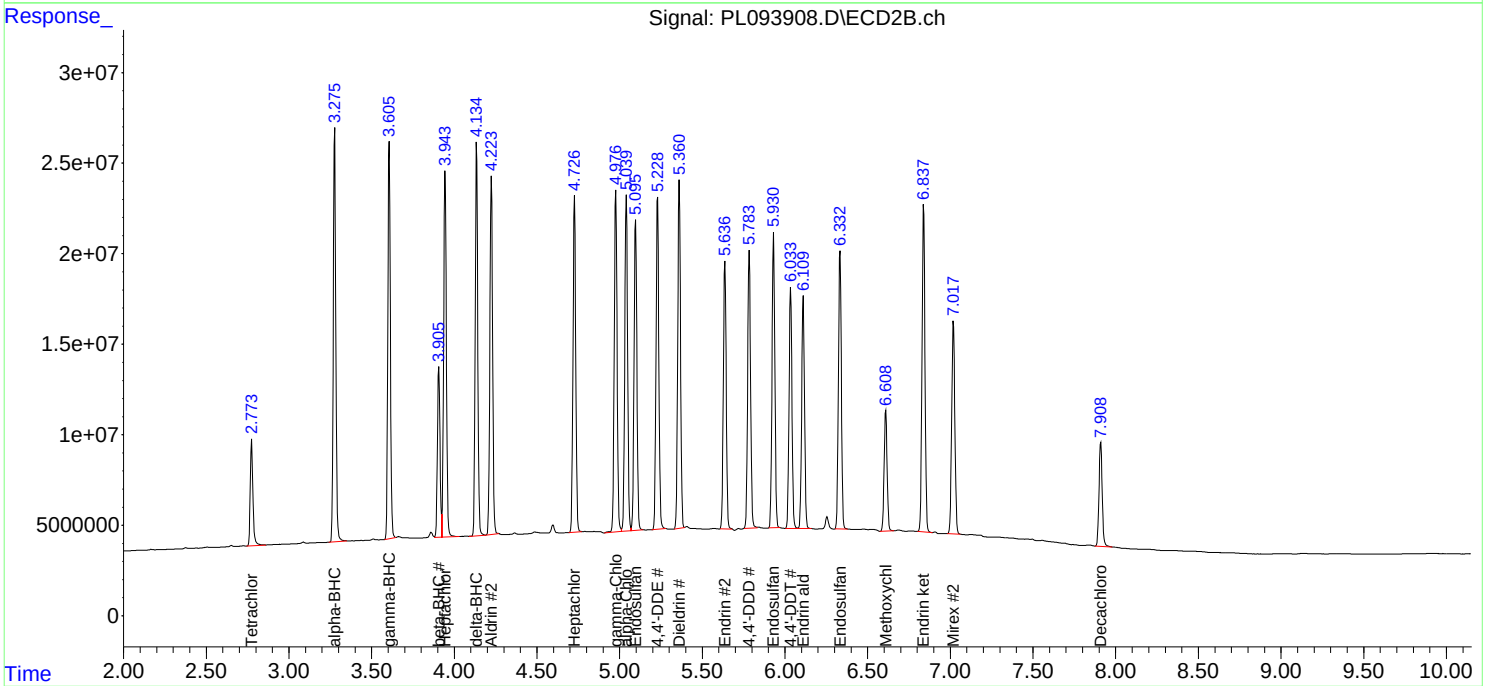
Manual Integrations APPROVED

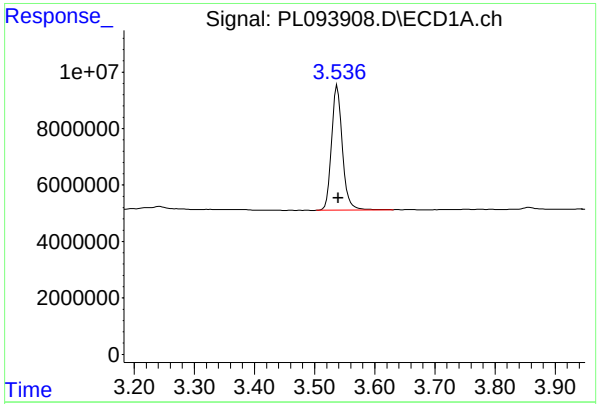
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:37:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







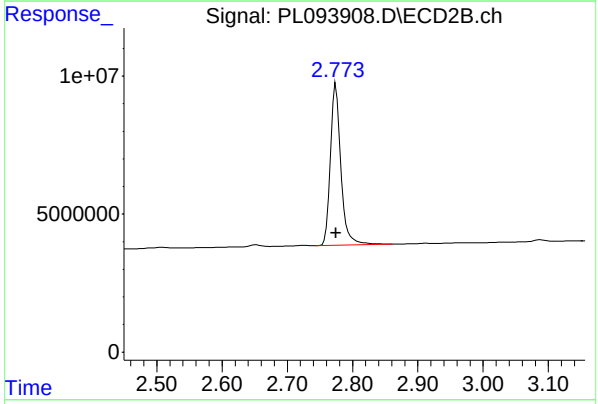
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 55326192
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

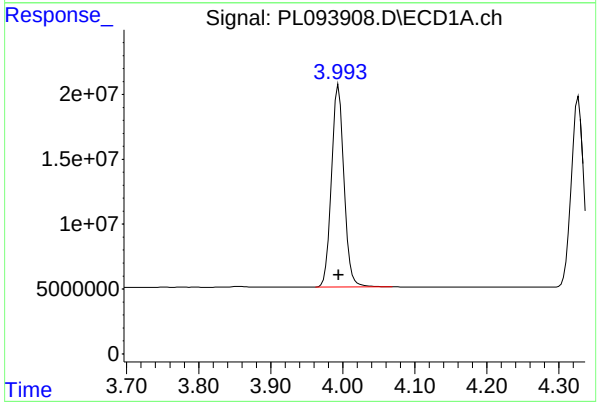
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



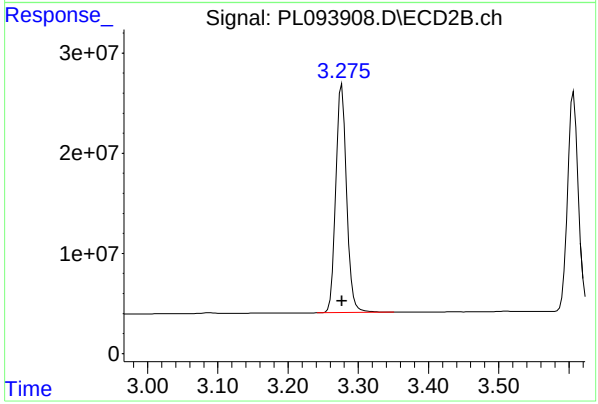
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 65317876
Conc: 20.01 ng/ml



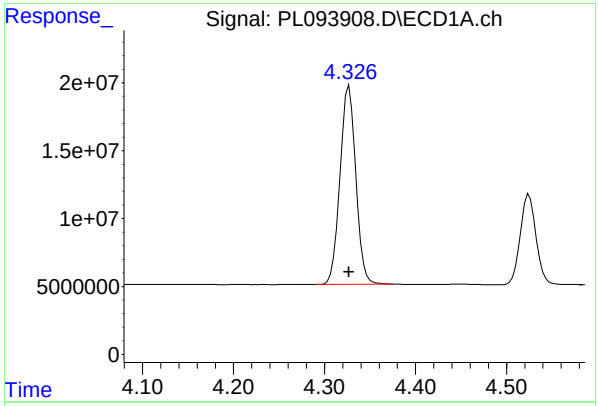
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 185993054
Conc: 48.51 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 243653730
Conc: 49.84 ng/ml



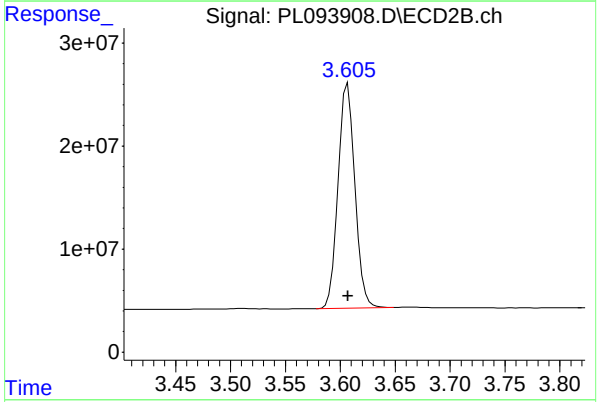
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 176860535
Conc: 48.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

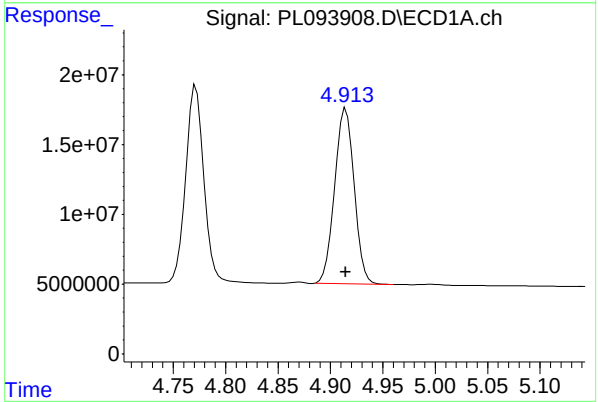
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



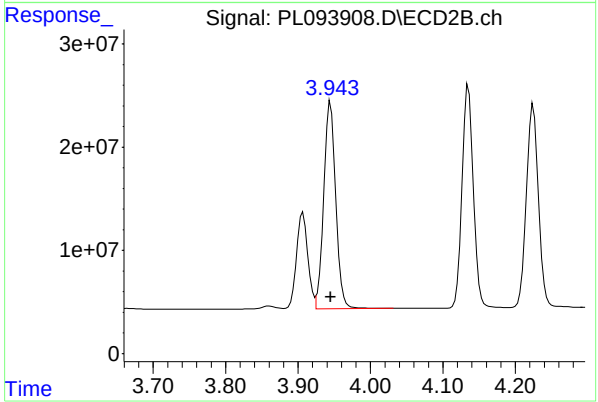
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 232513115
Conc: 49.04 ng/ml



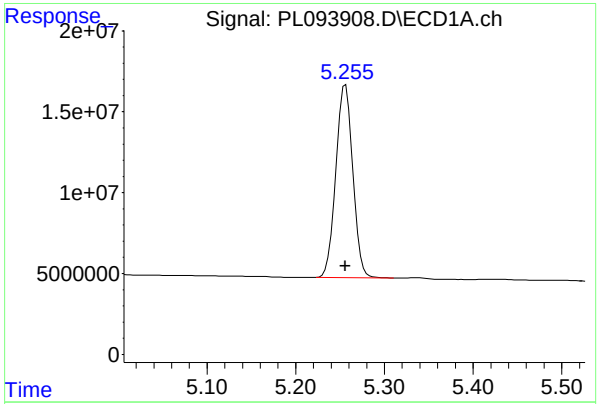
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 162794809
Conc: 49.67 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 232144985
Conc: 49.87 ng/ml



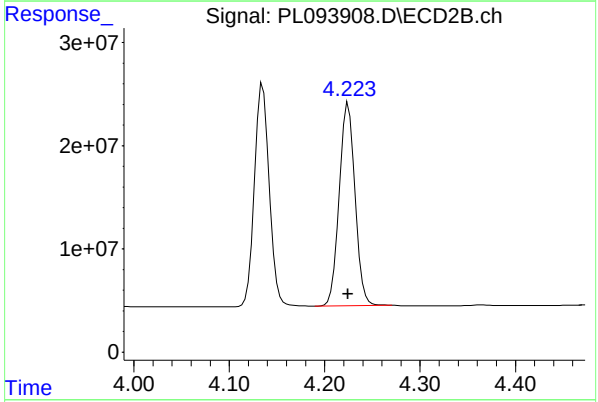
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 158548575
Conc: 48.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

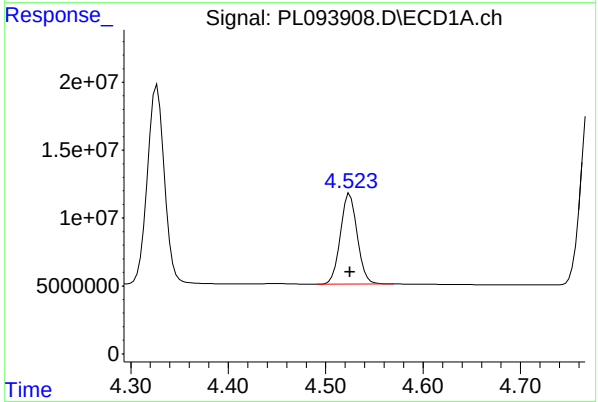
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



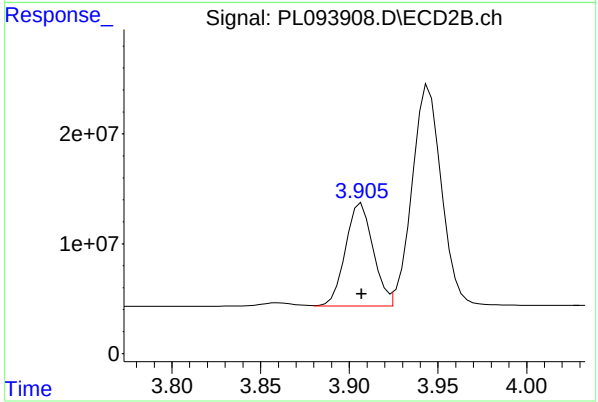
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 226039641
Conc: 49.55 ng/ml



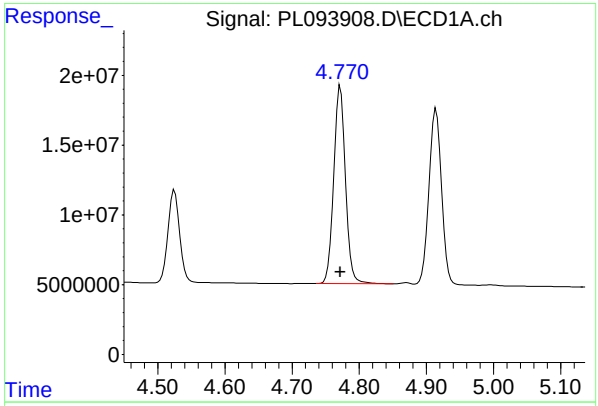
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79902989
Conc: 49.71 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 101677478
Conc: 50.90 ng/ml



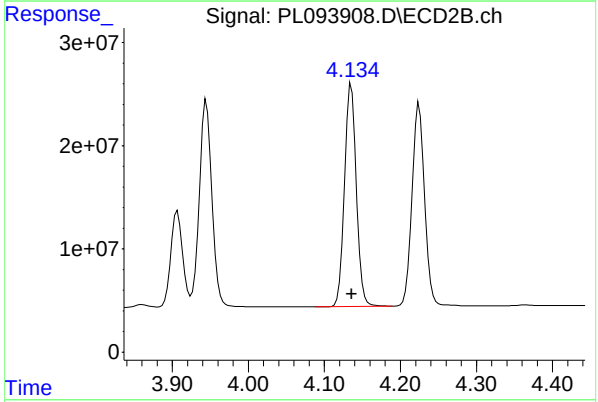
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 172320436
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

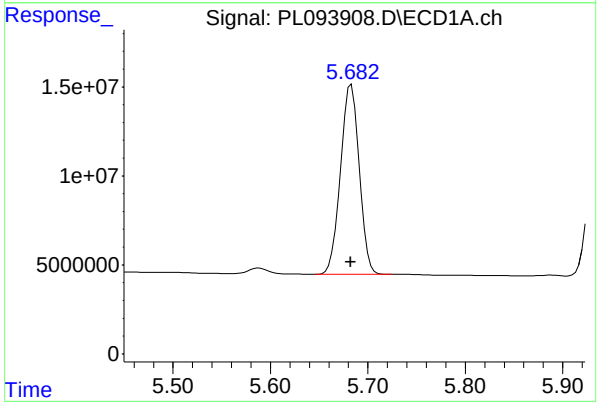
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



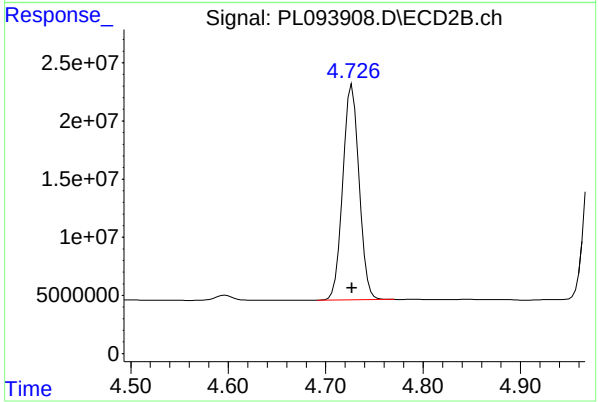
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 233819043
Conc: 49.21 ng/ml



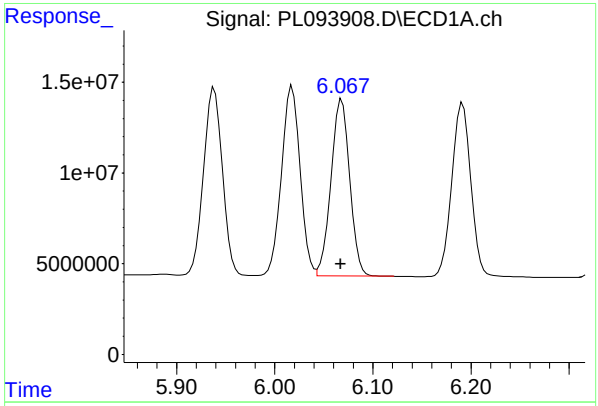
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 142281728
Conc: 47.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 214800234
Conc: 51.38 ng/ml



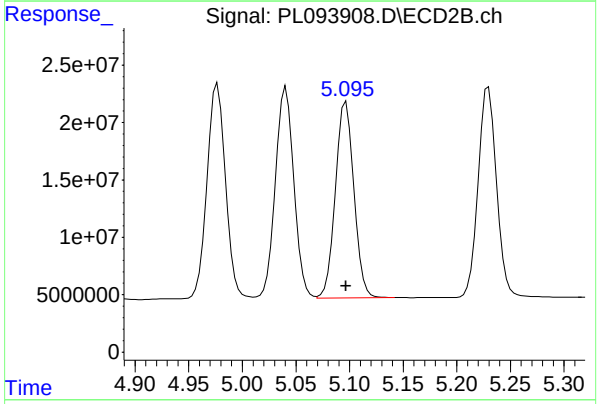
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.001 min
Response: 129420961
Conc: 48.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

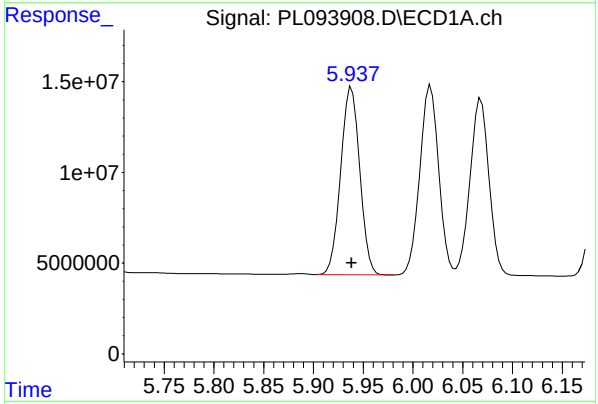
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



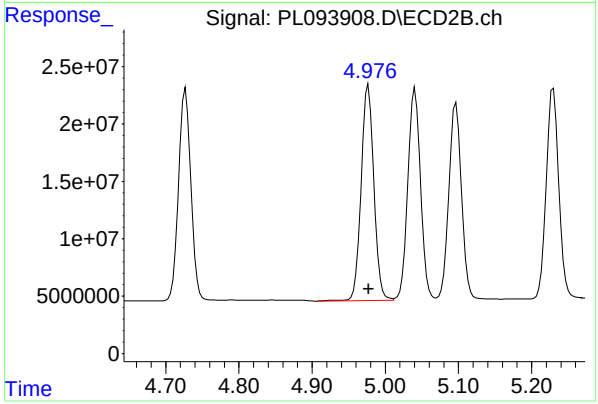
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 205192573
Conc: 52.93 ng/ml



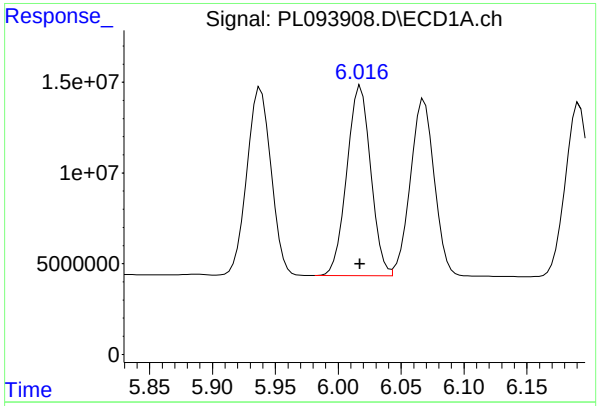
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 138320621
Conc: 49.62 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 226466041
Conc: 53.44 ng/ml



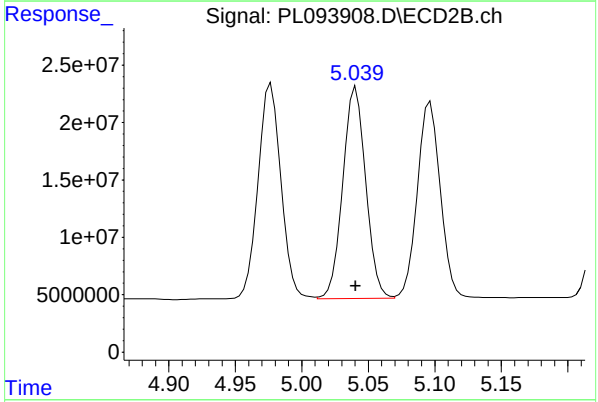
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 138367061
Conc: 49.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

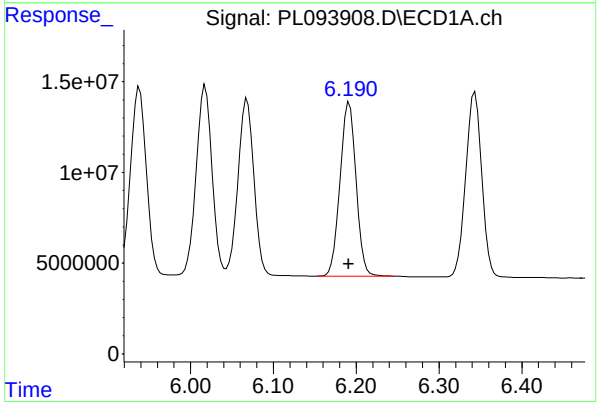
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



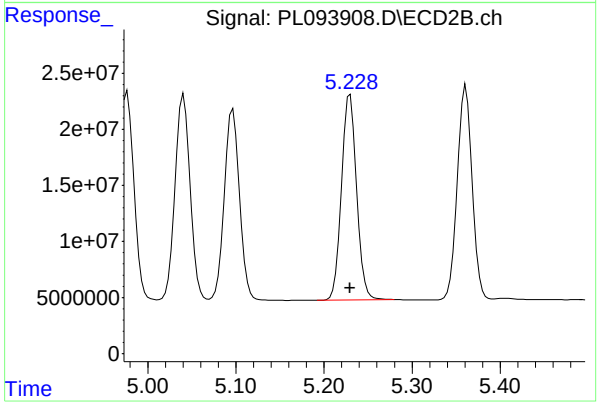
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 221381635
Conc: 52.88 ng/ml



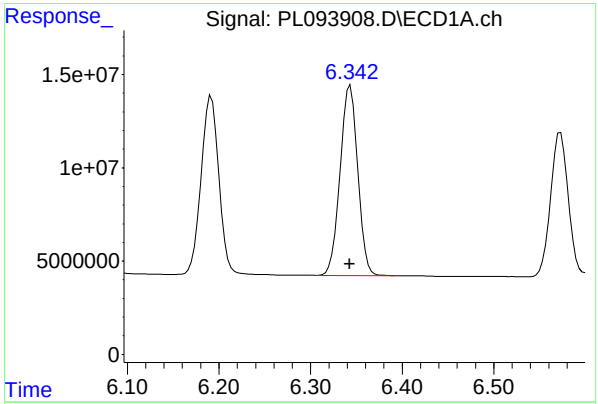
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 129038940
Conc: 53.00 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 218559213
Conc: 54.51 ng/ml



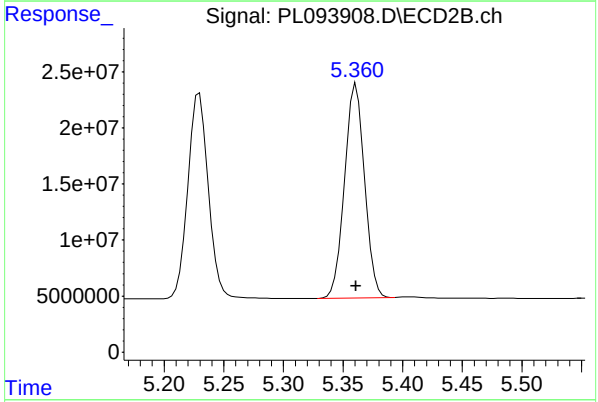
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 137134513
Conc: 49.40 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166359BS

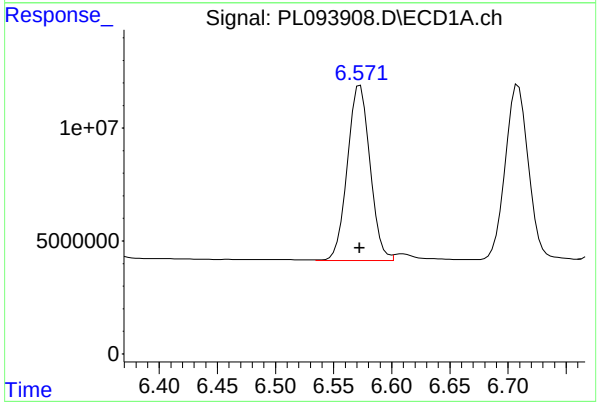
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



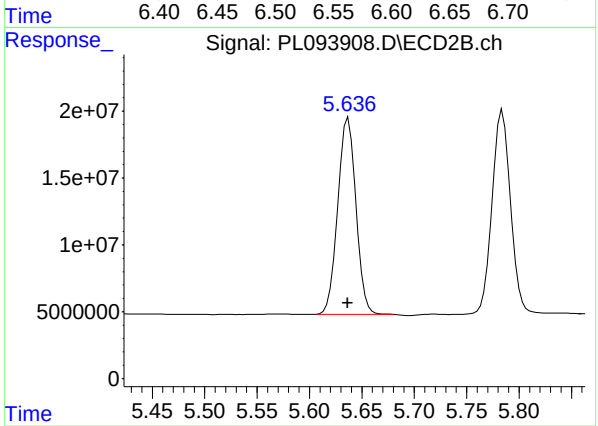
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 223017415
Conc: 51.92 ng/ml



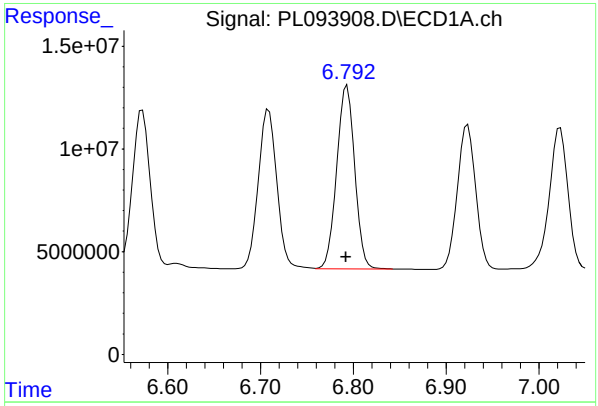
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 105088807
Conc: 44.82 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 178083444
Conc: 48.23 ng/ml



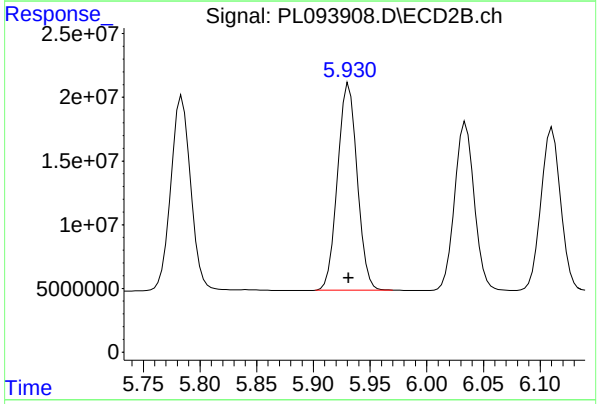
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 120402252
Conc: 49.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

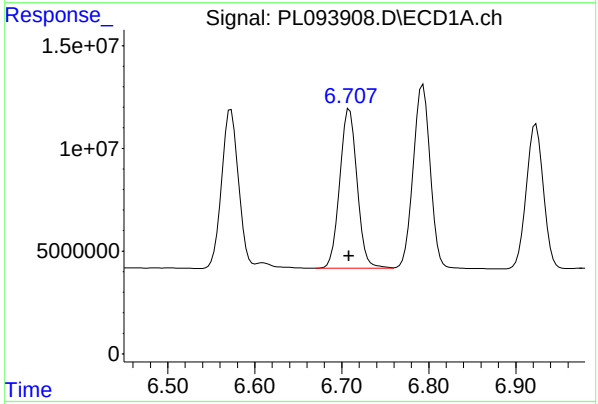
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



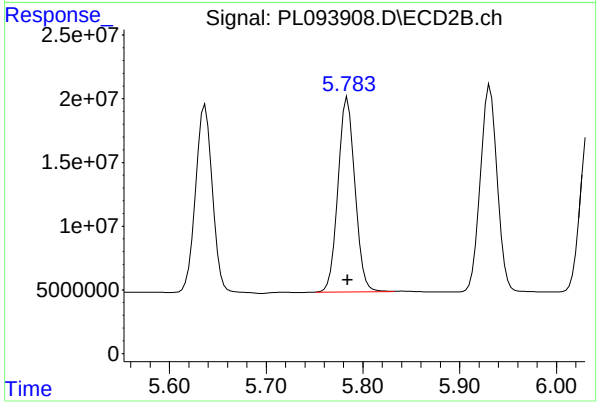
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 195296622
Conc: 52.73 ng/ml



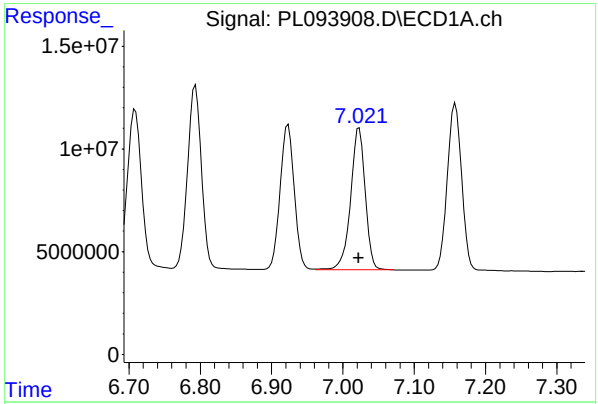
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 108049524
Conc: 56.85 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 185756790
Conc: 58.85 ng/ml



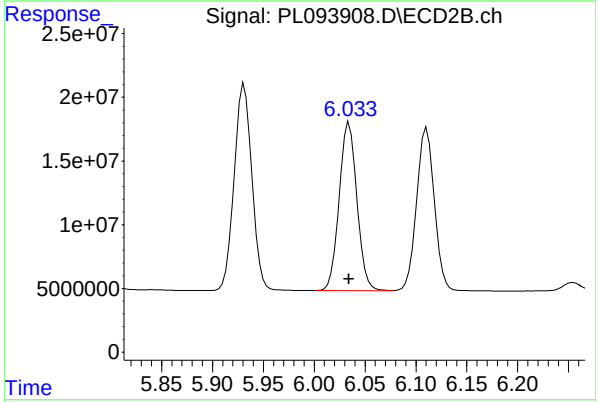
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 98199203
Conc: 49.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

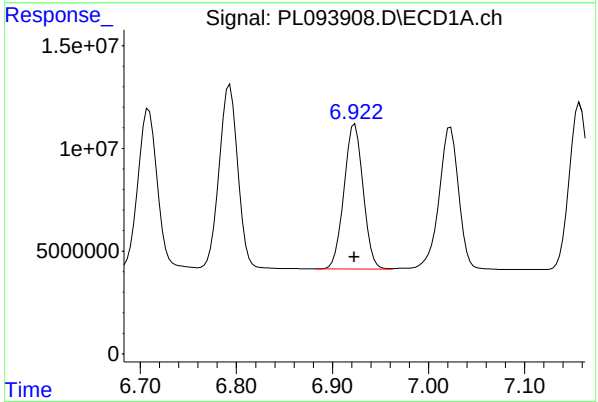
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



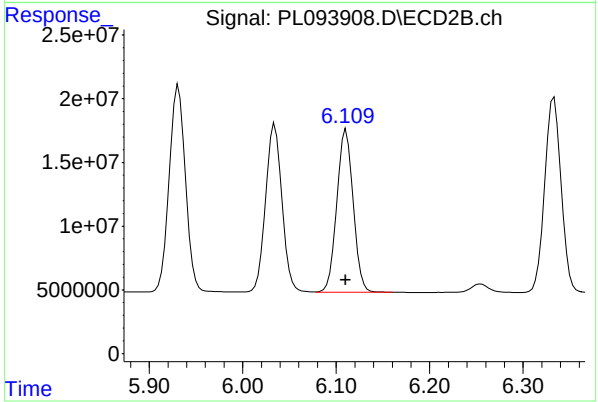
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 160258243
Conc: 49.25 ng/ml



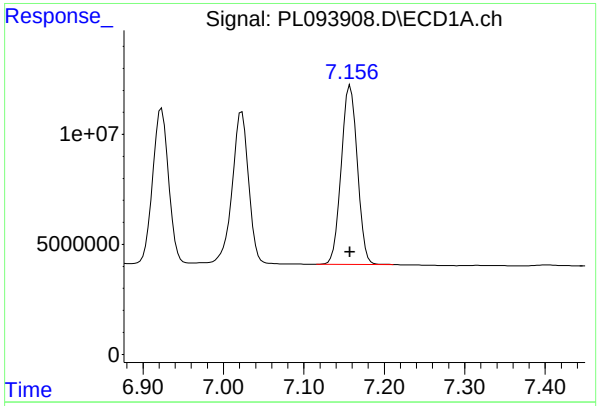
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 97179453
Conc: 49.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 154886962
Conc: 50.87 ng/ml



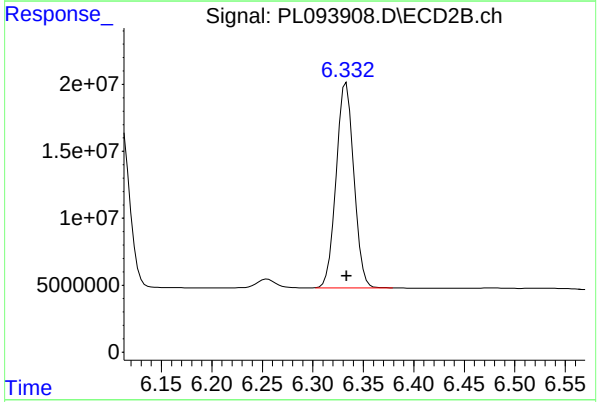
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 113105717
Conc: 49.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166359BS

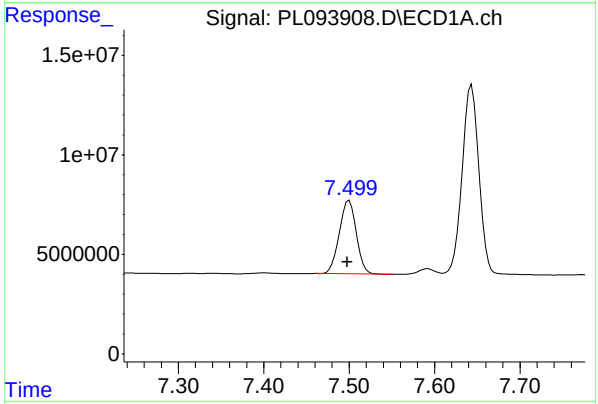
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



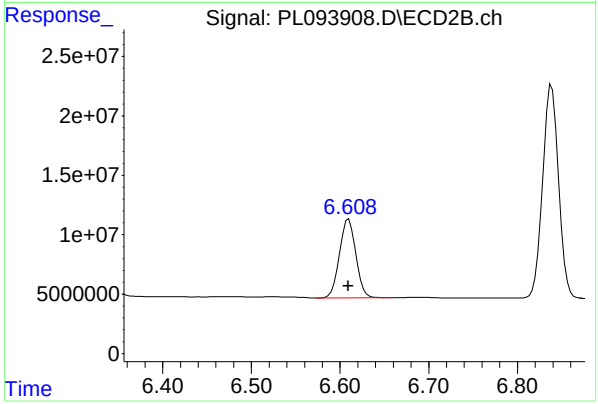
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 187023714
Conc: 52.45 ng/ml



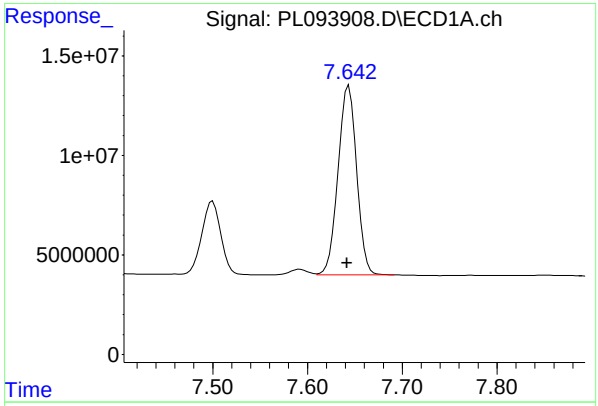
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 51087245
Conc: 48.96 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 85002231
Conc: 47.54 ng/ml



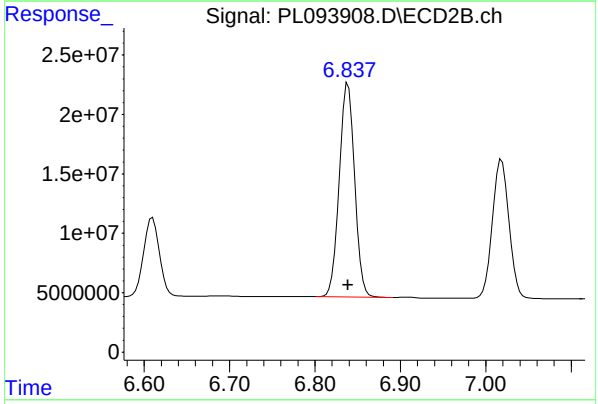
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 mi
Response: 129626893
Conc: 51.39 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166359BS

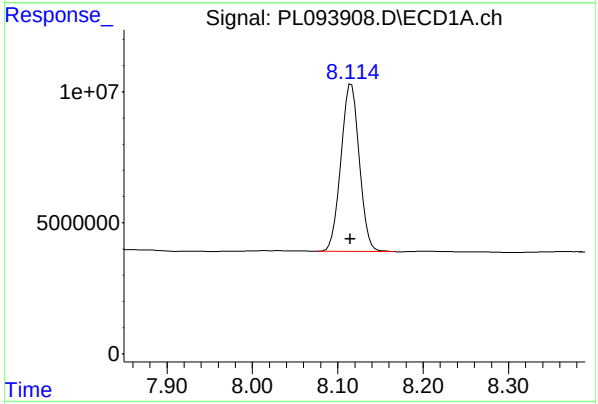
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



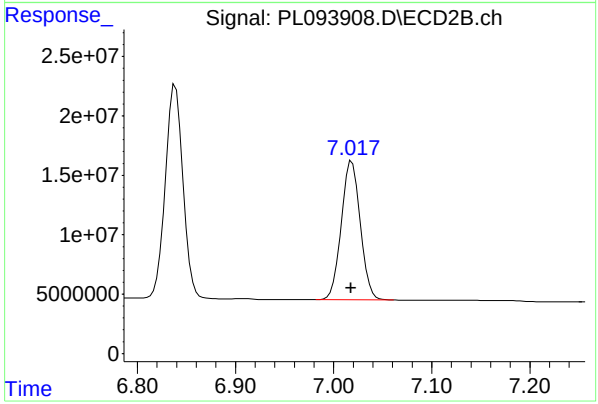
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 224419100
Conc: 53.49 ng/ml



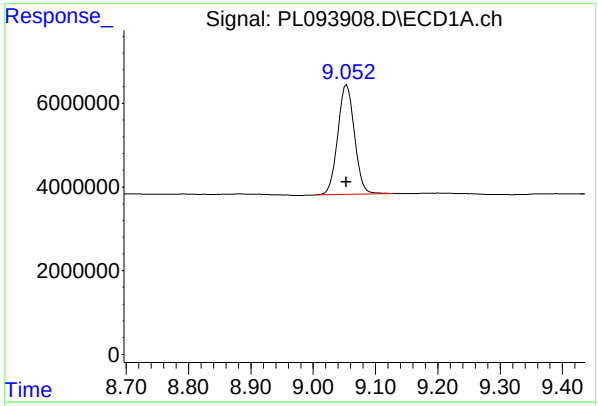
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 95399893
Conc: 45.81 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 157147399
Conc: 46.47 ng/ml



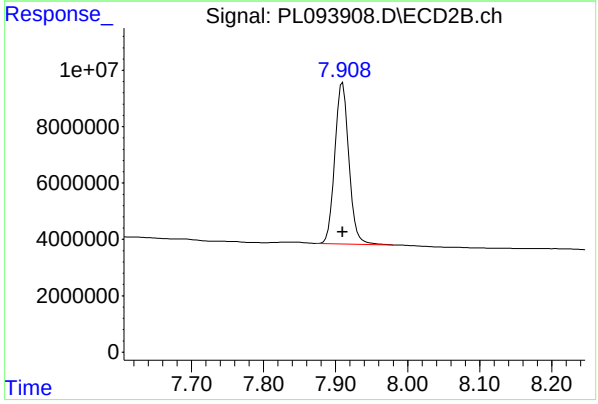
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 mi
Response: 48909884
Conc: 23.38 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166359BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 77024089
Conc: 21.98 ng/ml

Raw Data: **PL093973.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093973.D	1	01/30/25 08:30	02/01/25 01:24	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.8		0.20	1.90	ug/kg
319-85-7	beta-BHC	17.0		0.55	1.90	ug/kg
319-86-8	delta-BHC	17.6		0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.21	1.90	ug/kg
76-44-8	Heptachlor	17.8		0.19	1.90	ug/kg
309-00-2	Aldrin	17.0		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.26	1.90	ug/kg
959-98-8	Endosulfan I	16.7	P	0.19	1.90	ug/kg
60-57-1	Dieldrin	16.7		0.17	1.90	ug/kg
72-55-9	4,4-DDE	17.6	P	0.15	1.90	ug/kg
72-20-8	Endrin	17.7		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	16.6		0.34	1.90	ug/kg
72-54-8	4,4-DDD	19.0		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.7		0.15	1.90	ug/kg
50-29-3	4,4-DDT	17.1		0.19	1.90	ug/kg
72-43-5	Methoxychlor	16.3		0.43	1.90	ug/kg
53494-70-5	Endrin ketone	15.7		0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	15.1		0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	18.2		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.1		0.21	1.90	ug/kg
8001-35-2	Toxaphene	37.1	U	5.90	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.0		10 - 148	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		10 - 159	84%	SPK: 20

Raw Data: **PL093973.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093973.D	1	01/30/25 08:30	02/01/25 01:24	PB166359

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

Sample Results: **PL093973.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:24
Operator : AR\AJ
Sample : Q1215-03MS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.774	40213298	54661460	14.934m	16.746
28)	SA Decachlor...	9.053	7.911	33439193	52925818	15.985	15.104m
	Target Compounds						
2)	A alpha-BHC	3.994	3.276	181.9E6	219.3E6	47.440	44.866
3)	MA gamma-BHC...	4.325	3.606	183.7E6	219.9E6	49.892m	46.380
4)	MA Heptachlor	4.914	3.945	155.6E6	216.8E6	47.474	46.580
5)	MB Aldrin	5.257	4.224	147.4E6	207.6E6	45.045	45.504
6)	B beta-BHC	4.525	3.905	61488733	90589497	38.255m	45.353m
7)	B delta-BHC	4.772	4.135	164.5E6	221.7E6	46.932	46.671
8)	B Heptachlo...	5.684	4.727	123.4E6	190.8E6	41.496	45.637
9)	A Endosulfan I	6.069	5.097	117.9E6	113.0E6	44.625	29.150m#
10)	B gamma-Chl...	5.939	4.977	149.7E6	203.6E6	53.713	48.042
11)	B alpha-Chl...	6.018	5.041	135.4E6	195.1E6	48.559	46.607
12)	B 4,4'-DDE	6.192	5.229	71246251	188.9E6	29.264	47.113 #
13)	MA Dieldrin	6.345	5.360	117.1E6	191.1E6	42.175	44.482m
14)	MA Endrin	6.575	5.636	93909107	174.3E6	40.050	47.207
15)	B Endosulfa...	6.794	5.931	106.1E6	164.4E6	44.052	44.378
16)	A 4,4'-DDD	6.708	5.784	96294354	130.1E6	50.666m	41.218
17)	MA 4,4'-DDT	7.024	6.034	90112624	131.3E6	45.695	40.339
18)	B Endrin al...	6.925	6.109	78111675	118.8E6	40.180	39.032m
19)	B Endosulfa...	7.158	6.334	95111760	149.5E6	42.015m	41.936
20)	A Methoxychlor	7.499	6.609	45264171	67642356	43.382m	37.828m
21)	B Endrin ke...	7.644	6.838	106.0E6	147.5E6	42.031m	35.168m
22)	Mirex	8.118	7.018	71056668	107.5E6	34.121	31.785m

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

Sample Results: **PL093973.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:24
Operator : AR\AJ
Sample : Q1215-03MS
Misc :
ALS Vial : 38 Sample Multiplier: 1

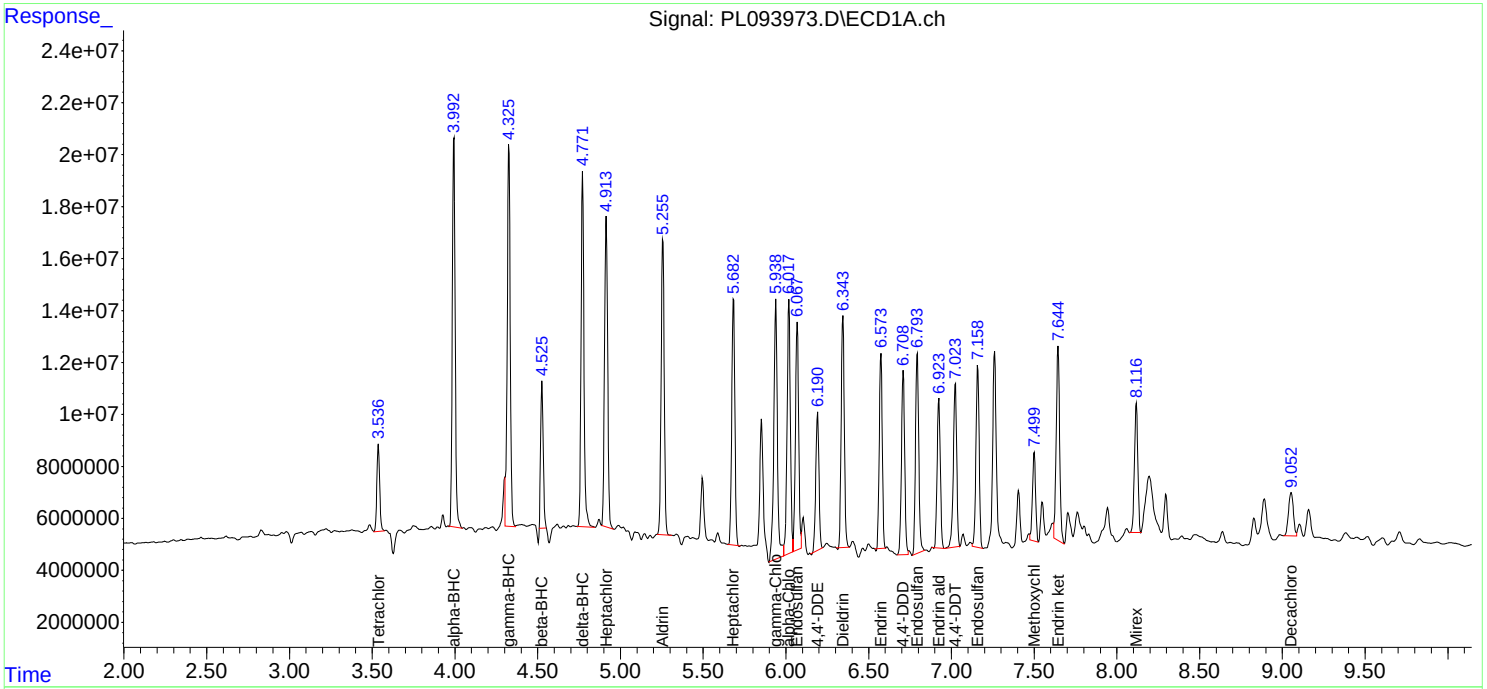
Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

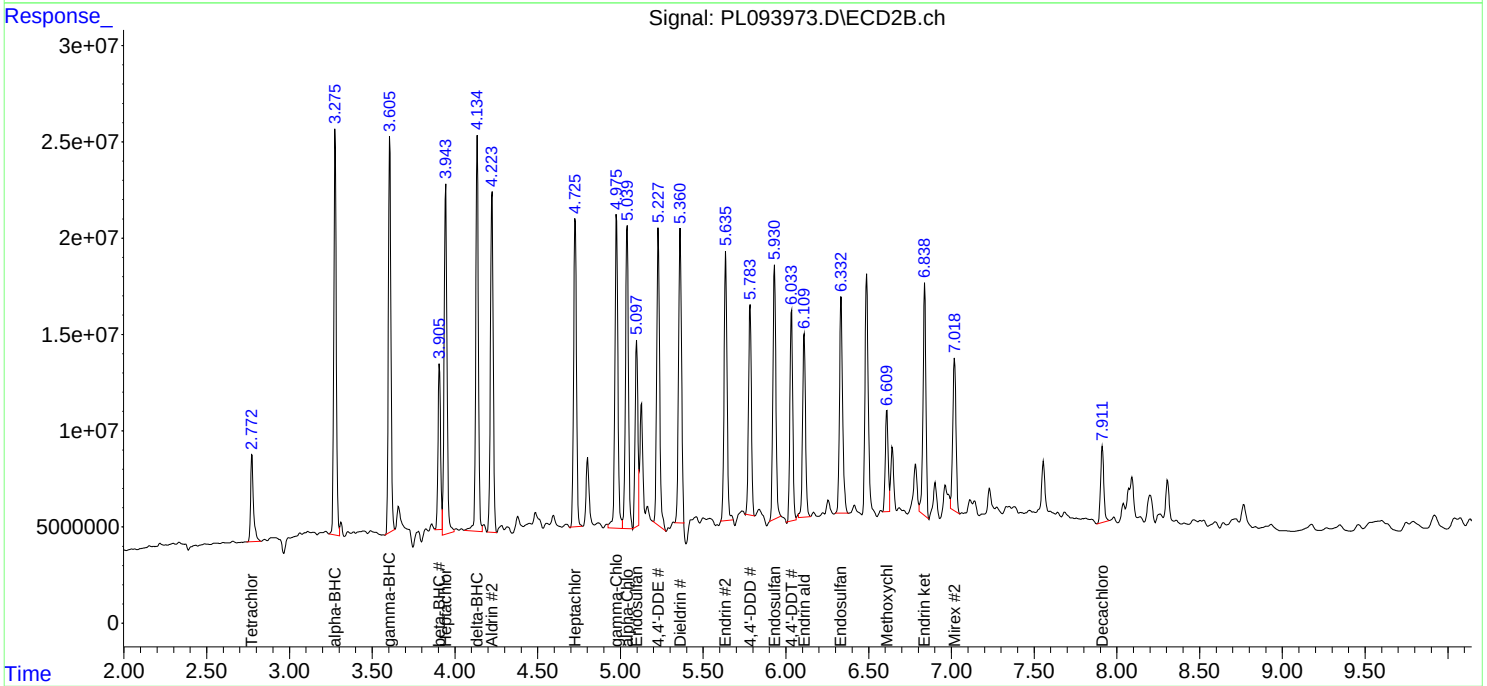
Manual Integrations APPROVED

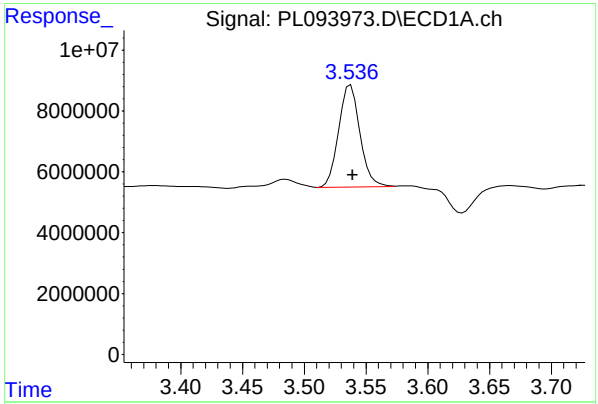
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 40213298
Conc: 14.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations APPROVED

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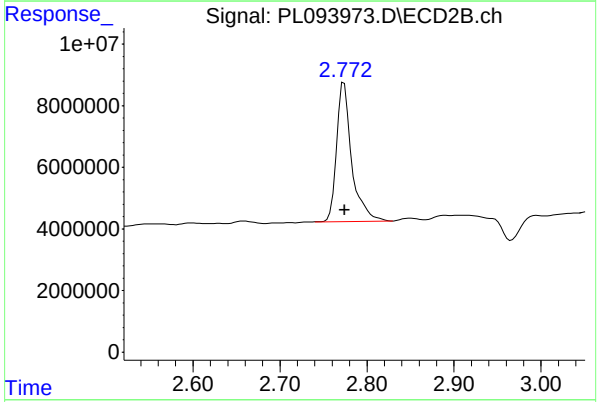
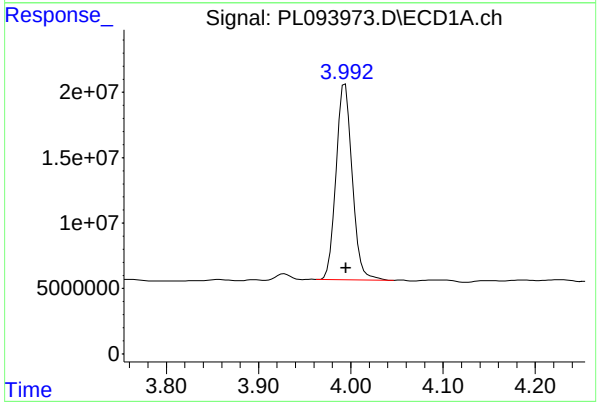


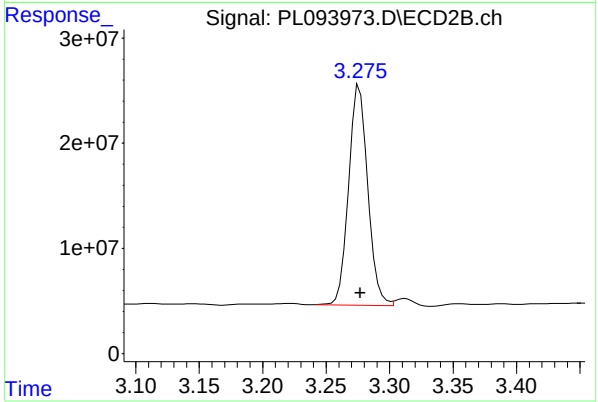
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 54661460
Conc: 16.75 ng/ml



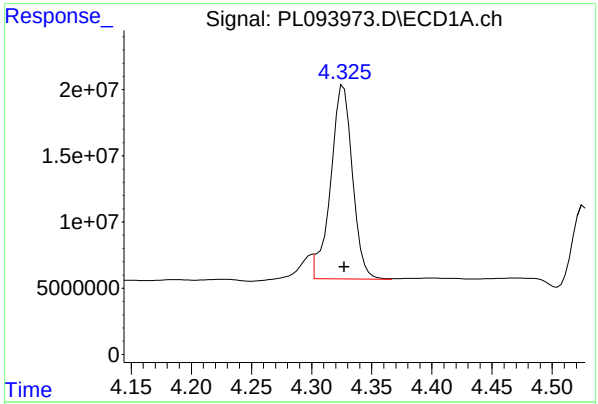
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 181876340
Conc: 47.44 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 219349309
Conc: 44.87 ng/ml



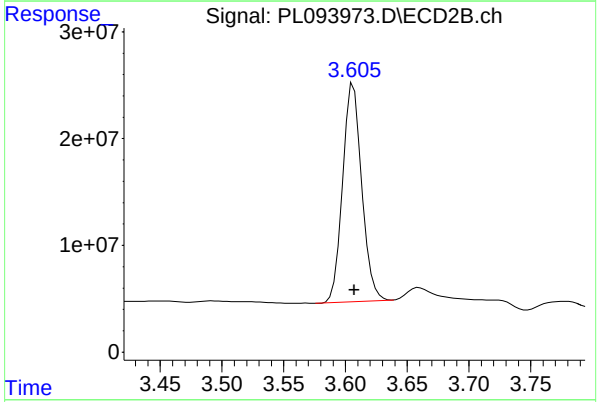
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 183743057
Conc: 49.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

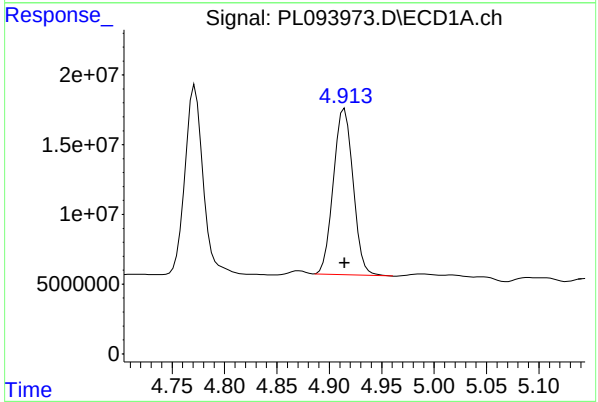
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



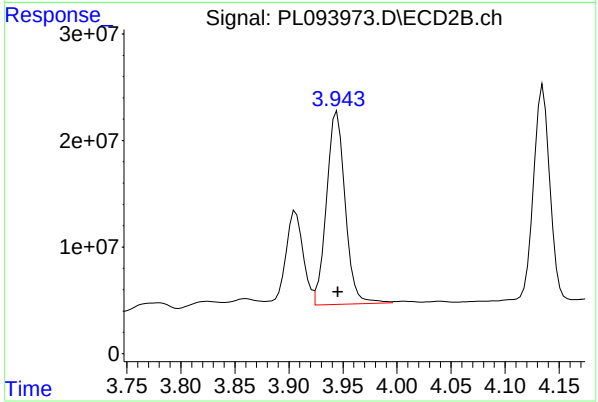
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 219895423
Conc: 46.38 ng/ml



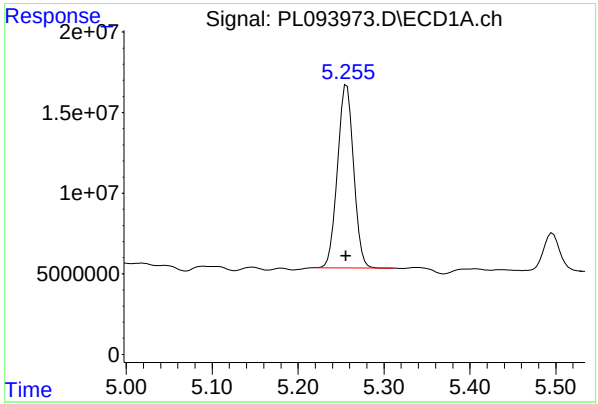
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 155589358
Conc: 47.47 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 216821600
Conc: 46.58 ng/ml



#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 mi
Response: 147386949
Conc: 45.05 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations APPROVED

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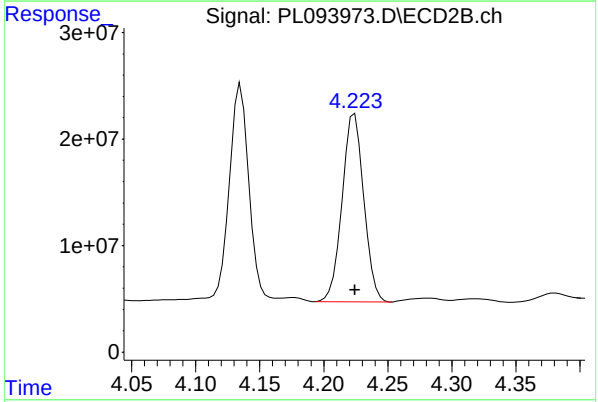
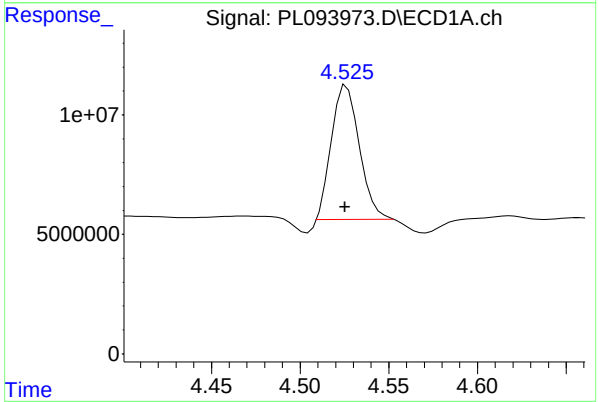


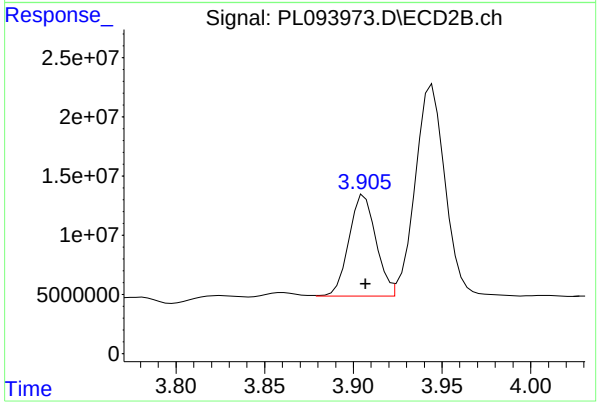
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 207581291
Conc: 45.50 ng/ml



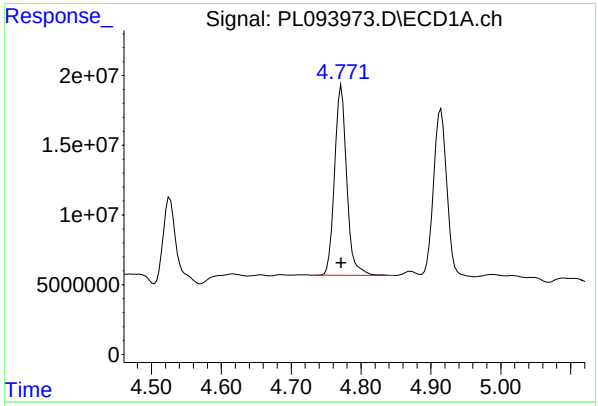
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 61488733
Conc: 38.26 ng/ml m



#6 beta-BHC

R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 90589497
Conc: 45.35 ng/ml m



#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 164509821
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

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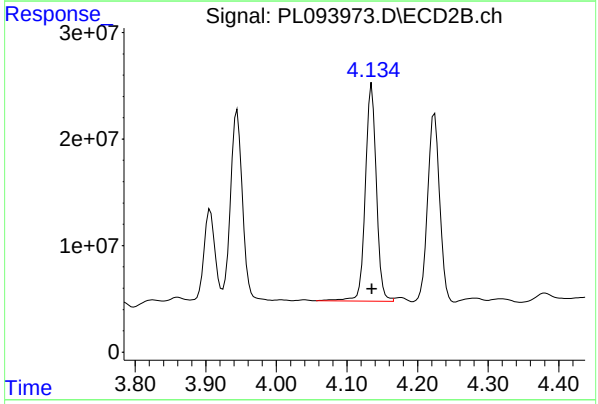
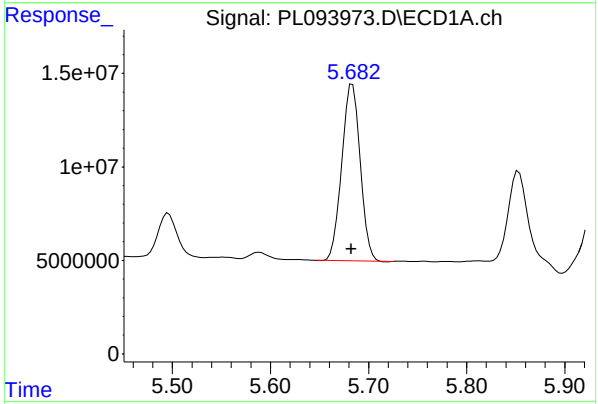
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



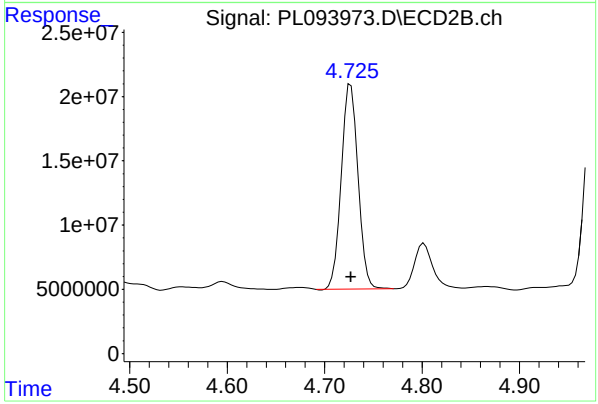
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 221742994
Conc: 46.67 ng/ml



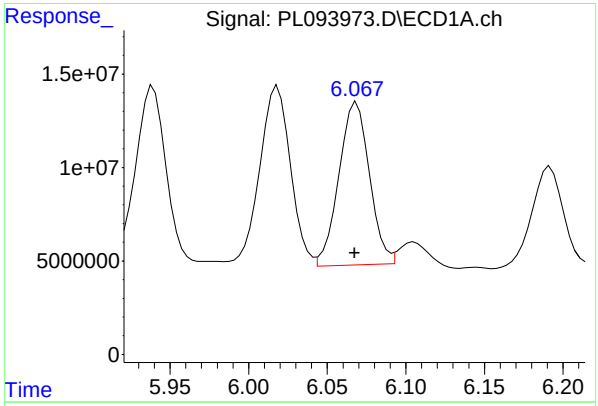
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 123403293
Conc: 41.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 190774788
Conc: 45.64 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.001 mi
Response: 117938376
Conc: 44.63 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations
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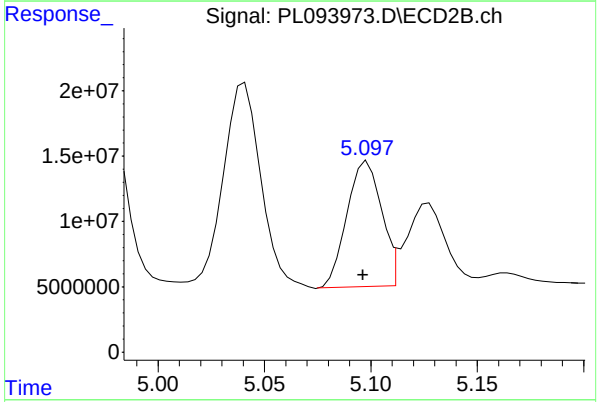
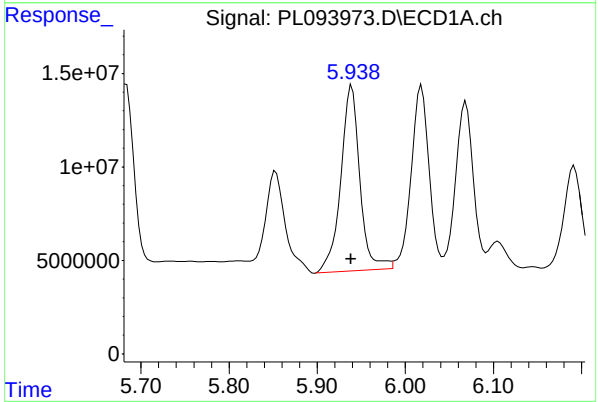
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



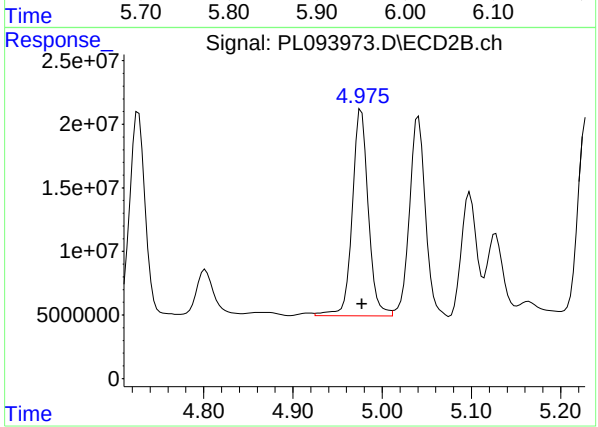
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 113012708
Conc: 29.15 ng/ml m



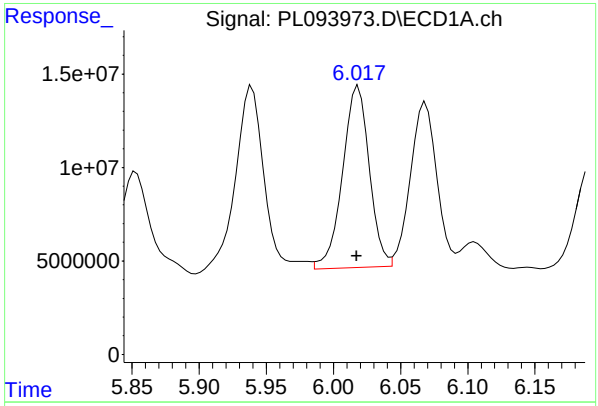
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 149716653
Conc: 53.71 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 203585204
Conc: 48.04 ng/ml



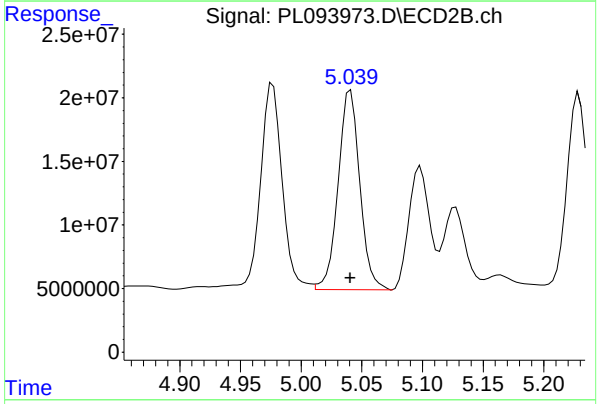
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.001 mi
Response: 135403539
Conc: 48.56 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

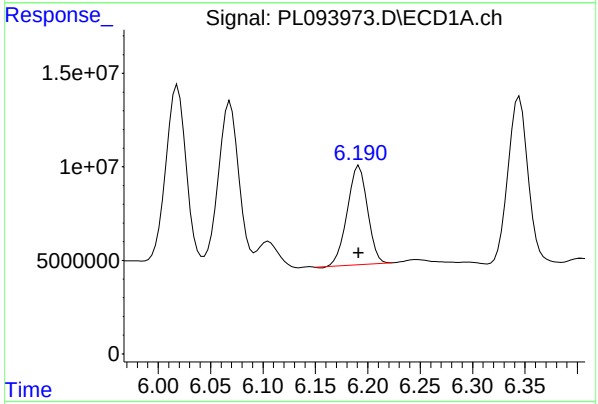
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



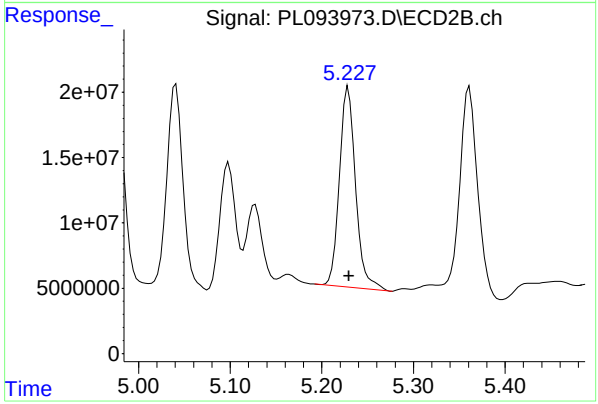
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 195121498
Conc: 46.61 ng/ml



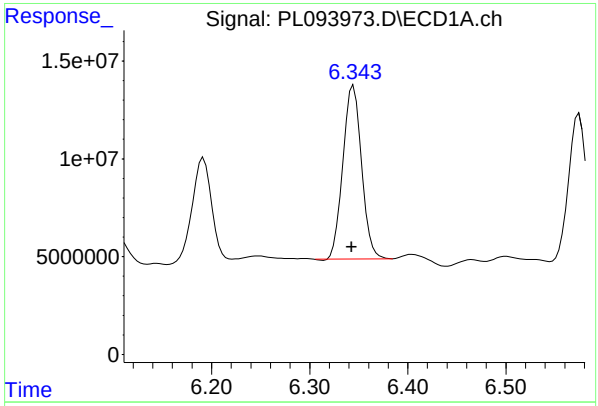
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 71246251
Conc: 29.26 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 188900064
Conc: 47.11 ng/ml



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 117070856
Conc: 42.17 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations
APPROVED

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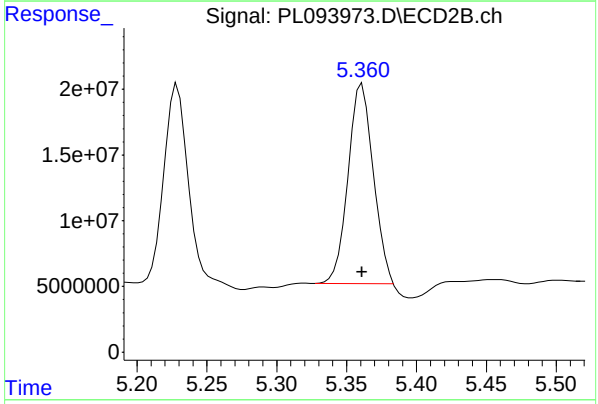
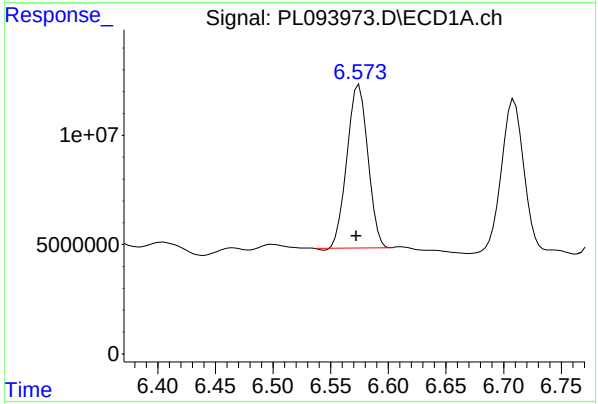


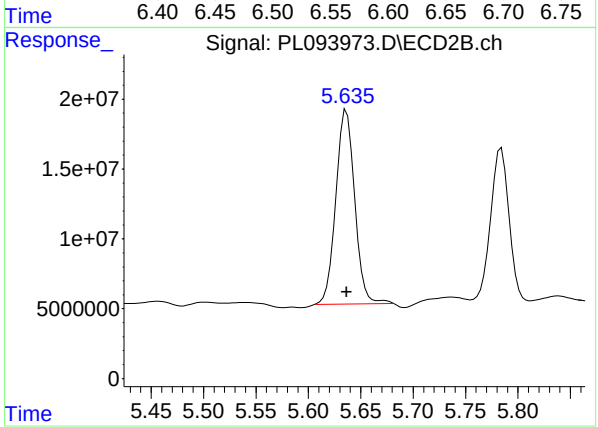
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: -0.001 min
Response: 191080628
Conc: 44.48 ng/ml m



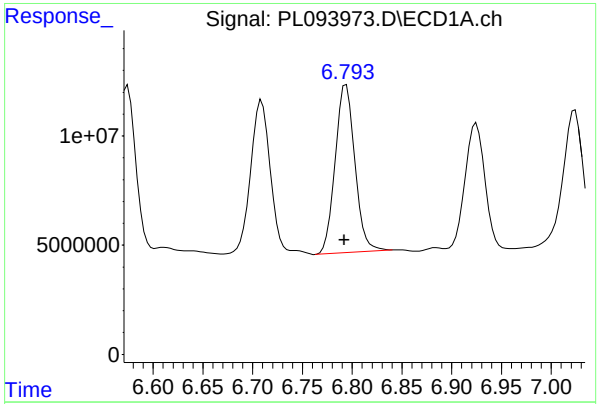
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.002 min
Response: 93909107
Conc: 40.05 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 174318798
Conc: 47.21 ng/ml



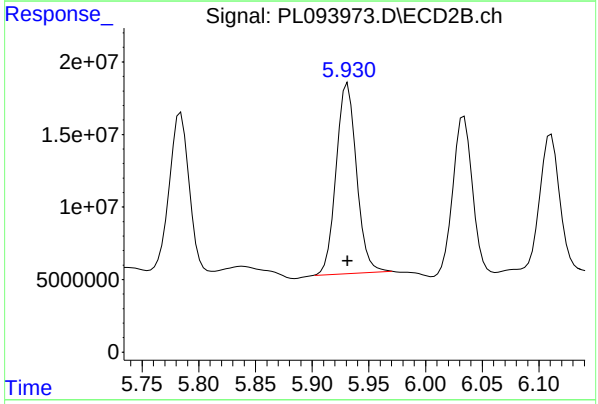
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 mi
Response: 106135879
Conc: 44.05 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

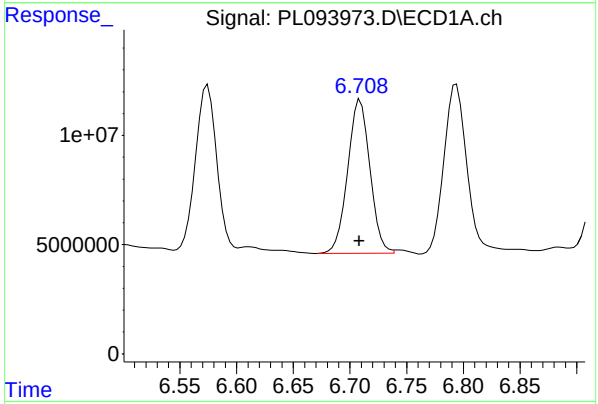
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



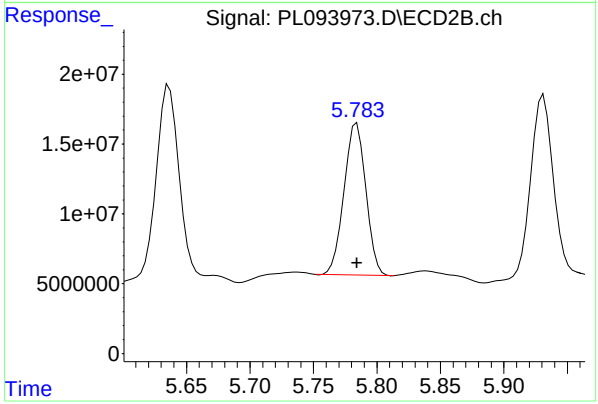
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 164366781
Conc: 44.38 ng/ml



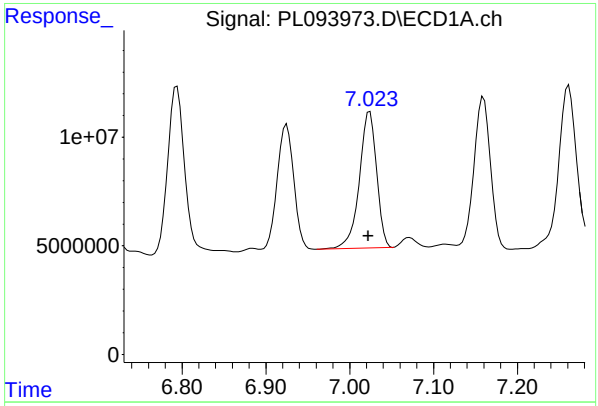
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 96294354
Conc: 50.67 ng/ml m



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 130105928
Conc: 41.22 ng/ml



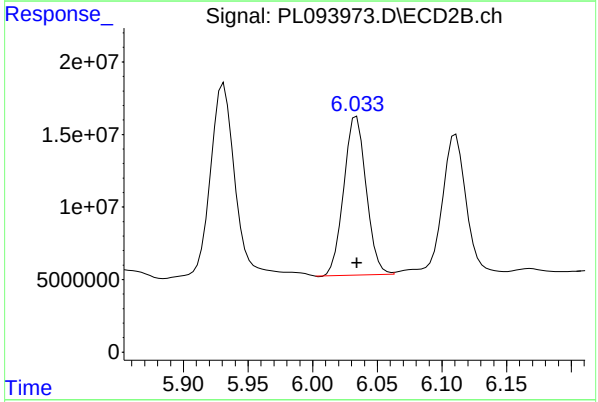
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 mi
Response: 90112624
Conc: 45.69 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

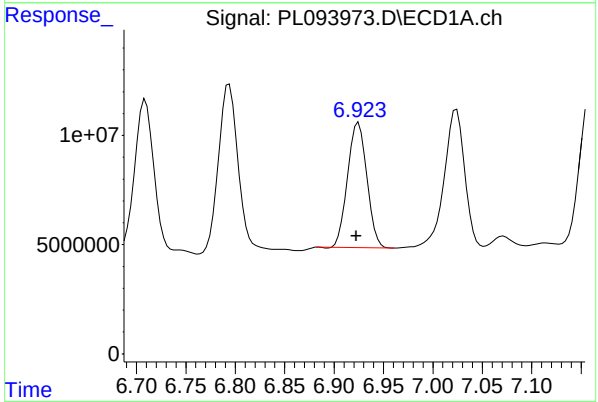
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



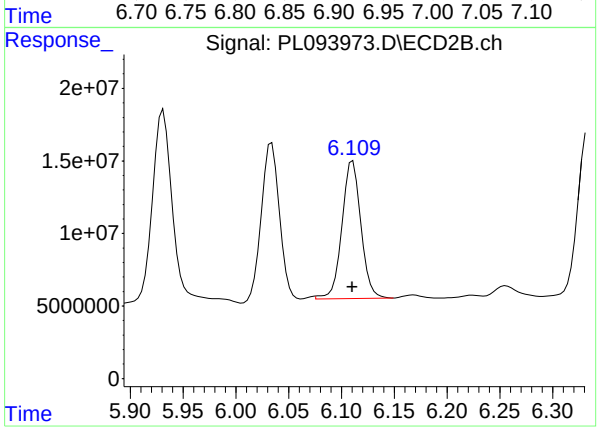
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 131264683
Conc: 40.34 ng/ml



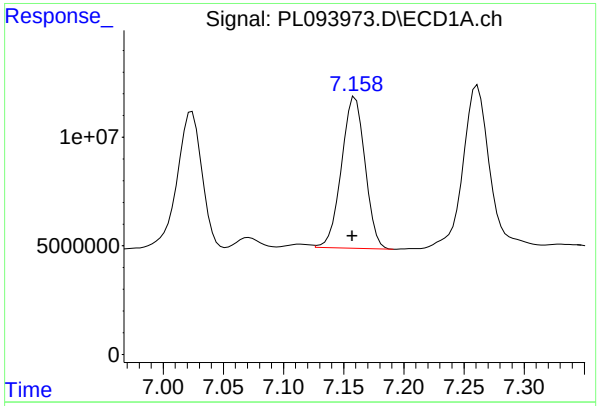
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 78111675
Conc: 40.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 118837432
Conc: 39.03 ng/ml m



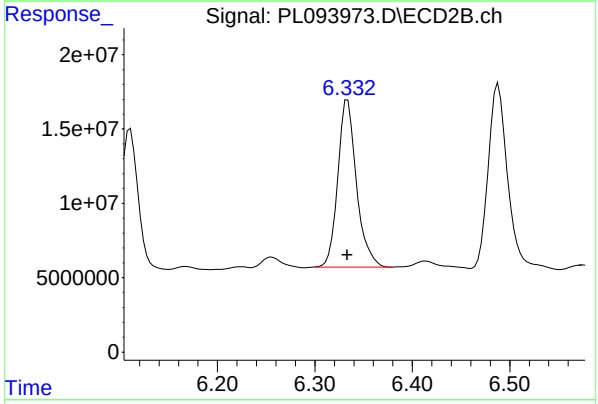
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.001 mi
Response: 95111760
Conc: 42.02 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

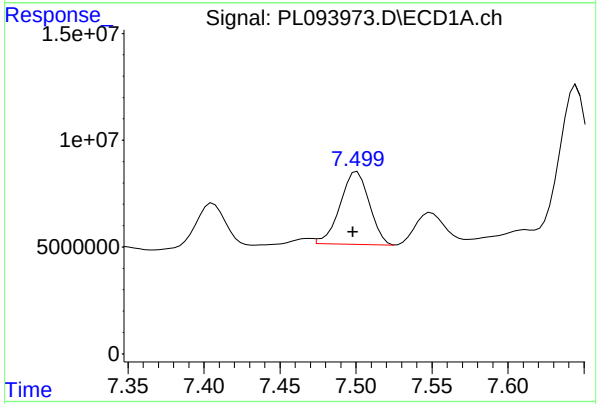
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



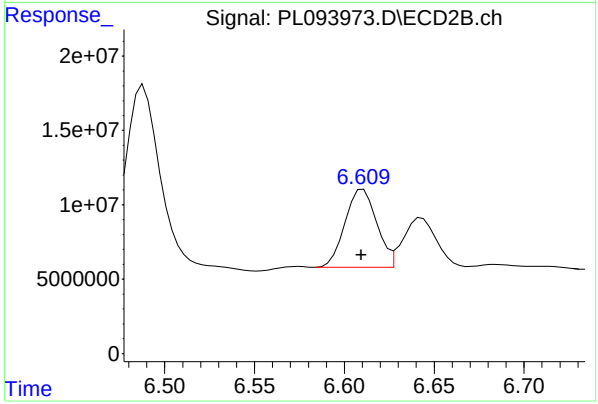
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 149547692
Conc: 41.94 ng/ml



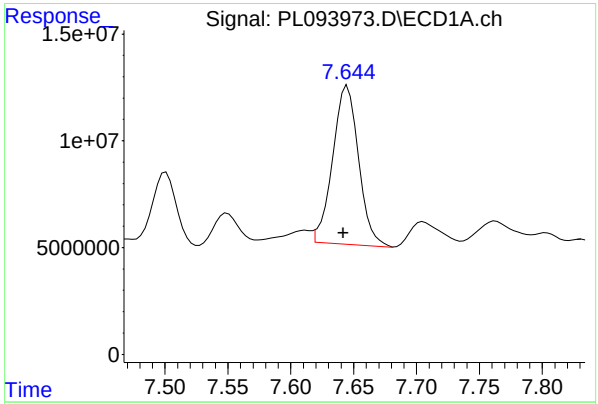
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 45264171
Conc: 43.38 ng/ml m



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 67642356
Conc: 37.83 ng/ml m



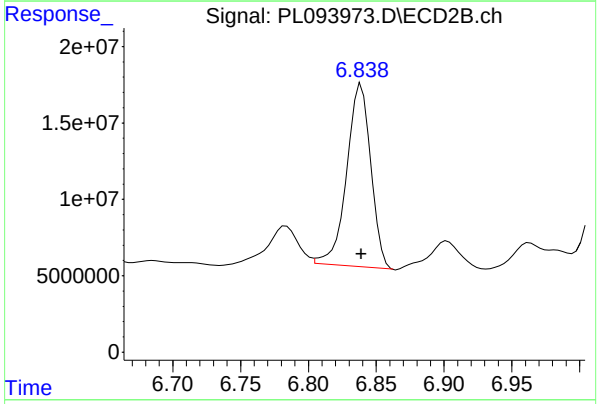
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 mi
Response: 106029495
Conc: 42.03 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

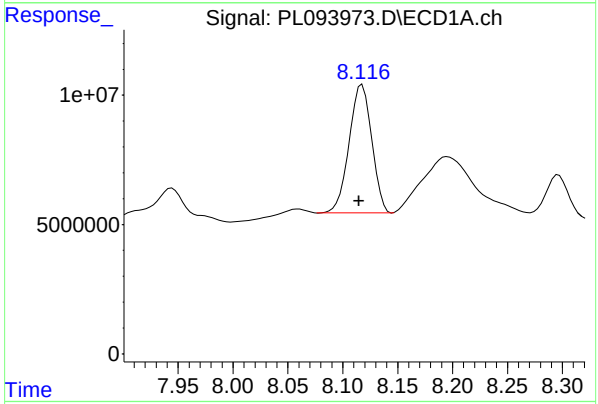
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



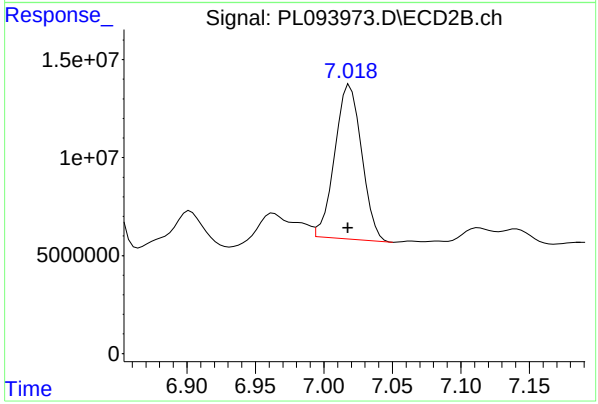
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: -0.001 min
Response: 147539841
Conc: 35.17 ng/ml m



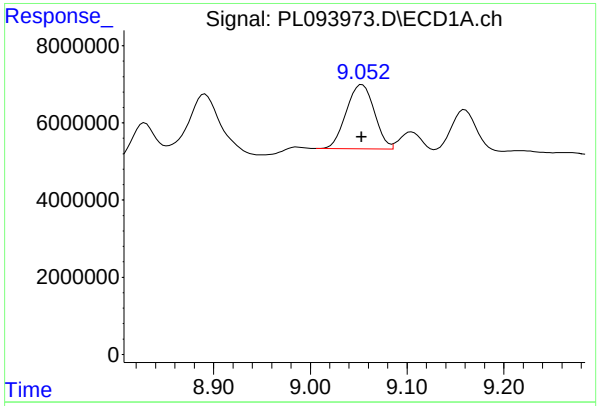
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 71056668
Conc: 34.12 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 107493578
Conc: 31.79 ng/ml m



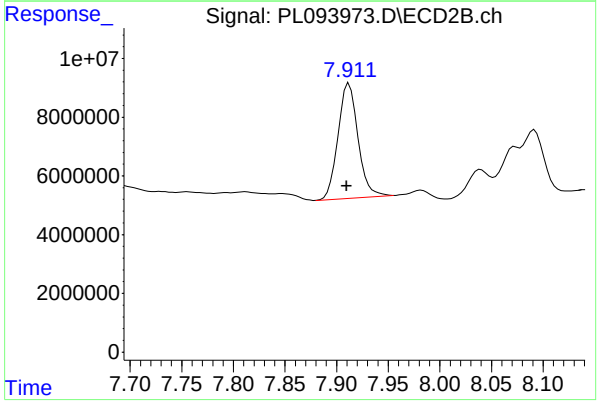
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 33439193
Conc: 15.98 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 52925818
Conc: 15.10 ng/ml m

Raw Data: **PL093974.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093974.D	1	01/30/25 08:30	02/01/25 01:37	PB166359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.6		0.20	1.90	ug/kg
319-85-7	beta-BHC	18.6	P	0.55	1.90	ug/kg
319-86-8	delta-BHC	17.5		0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.5		0.21	1.90	ug/kg
76-44-8	Heptachlor	17.5		0.19	1.90	ug/kg
309-00-2	Aldrin	16.7		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.8		0.26	1.90	ug/kg
959-98-8	Endosulfan I	15.9	P	0.19	1.90	ug/kg
60-57-1	Dieldrin	16.3		0.17	1.90	ug/kg
72-55-9	4,4-DDE	16.4	P	0.15	1.90	ug/kg
72-20-8	Endrin	17.5		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	16.2		0.34	1.90	ug/kg
72-54-8	4,4-DDD	18.7		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.4		0.15	1.90	ug/kg
50-29-3	4,4-DDT	16.3		0.19	1.90	ug/kg
72-43-5	Methoxychlor	15.8		0.43	1.90	ug/kg
53494-70-5	Endrin ketone	15.0		0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.7		0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.21	1.90	ug/kg
8001-35-2	Toxaphene	37.1	U	5.90	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.1		10 - 148	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		10 - 159	83%	SPK: 20

Raw Data: **PL093974.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093974.D	1	01/30/25 08:30	02/01/25 01:37	PB166359

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

Quantitation Report (QT Reviewed)

Sample Results: **PL093974.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:37
Operator : AR\AJ
Sample : Q1215-03MSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.536	2.774	39100015	54190470	14.520m	16.602
28)	SA	Decachlor...	9.054	7.912	31559930	50686653	15.087	14.465
		Target Compounds						
2)	A	alpha-BHC	3.994	3.276	179.8E6	215.8E6	46.888	44.134
3)	MA	gamma-BHC...	4.325	3.606	181.9E6	216.0E6	49.392m	45.548
4)	MA	Heptachlor	4.915	3.945	153.3E6	212.0E6	46.787	45.537
5)	MB	Aldrin	5.257	4.224	145.5E6	203.8E6	44.458	44.683
6)	B	beta-BHC	4.525	3.906	60597285	98998032	37.701m	49.563 #
7)	B	delta-BHC	4.772	4.135	163.7E6	216.5E6	46.712	45.567
8)	B	Heptachlo...	5.684	4.727	121.9E6	187.4E6	40.994	44.822
9)	A	Endosulfan I	6.069	5.097	112.1E6	96754471	42.406	24.957m#
10)	B	gamma-Chl...	5.939	4.977	145.8E6	202.5E6	52.320	47.796
11)	B	alpha-Chl...	6.018	5.041	131.0E6	192.5E6	46.990	45.992
12)	B	4,4'-DDE	6.192	5.228	70234847	175.7E6	28.849	43.830m#
13)	MA	Dieldrin	6.345	5.361	114.0E6	187.0E6	41.058	43.543m
14)	MA	Endrin	6.573	5.637	96100977	172.4E6	40.984m	46.676
15)	B	Endosulfa...	6.794	5.932	103.5E6	159.8E6	42.956	43.144
16)	A	4,4'-DDD	6.710	5.785	95185215	125.7E6	50.083	39.809
17)	MA	4,4'-DDT	7.024	6.034	85649588	126.3E6	43.432	38.808
18)	B	Endrin al...	6.925	6.111	76109049	118.9E6	39.150	39.060
19)	B	Endosulfa...	7.159	6.335	90361761	147.1E6	39.917	41.263
20)	A	Methoxychlor	7.499	6.610	44046400	60924187	42.214m	34.071
21)	B	Endrin ke...	7.643	6.838	101.4E6	144.6E6	40.192m	34.460m
22)		Mirex	8.118	7.018	68843271	104.7E6	33.058	30.950m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 01:37
Operator : AR\AJ
Sample : Q1215-03MSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

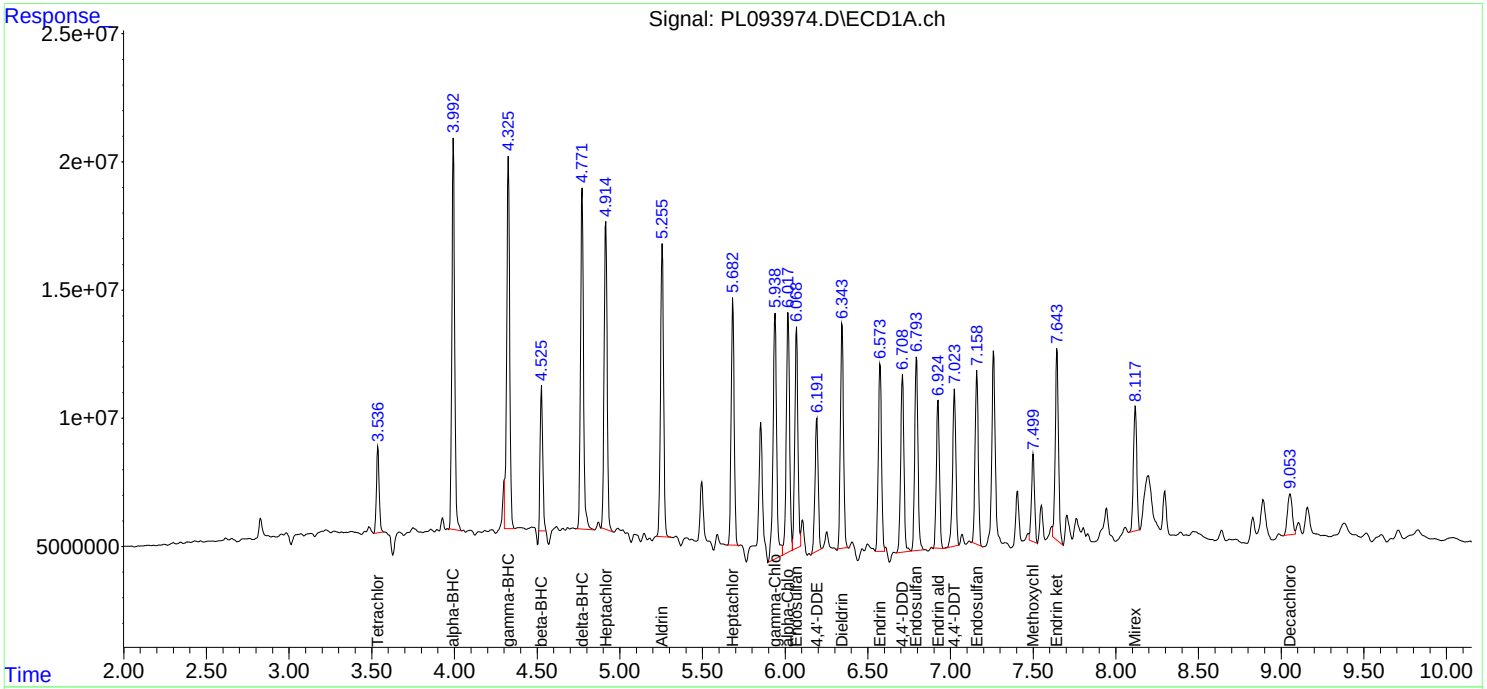
Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MSD

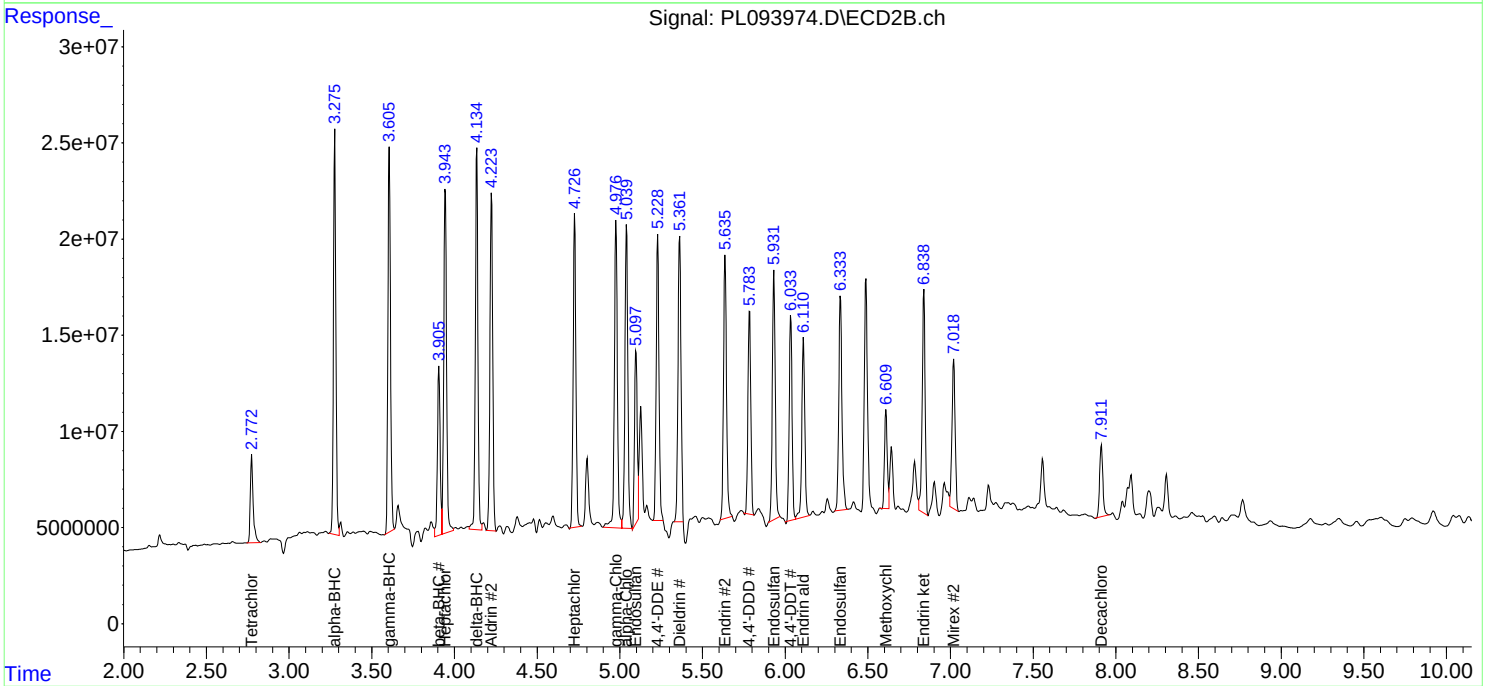
Manual Integrations APPROVED

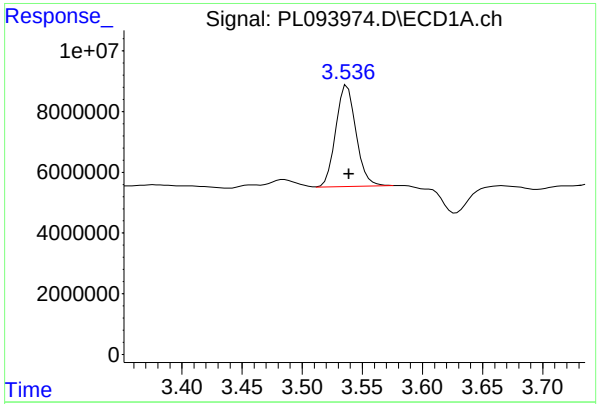
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 06:44:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







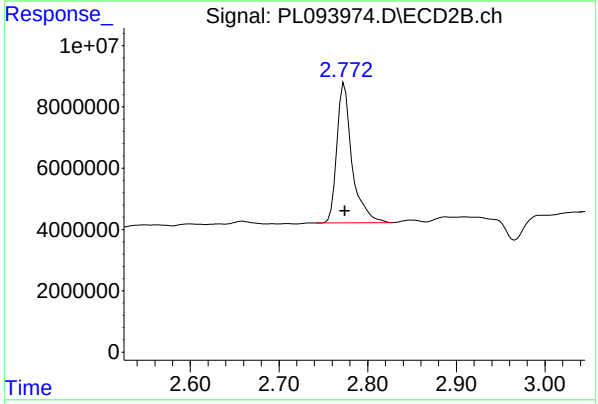
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 39100015
Conc: 14.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MSD

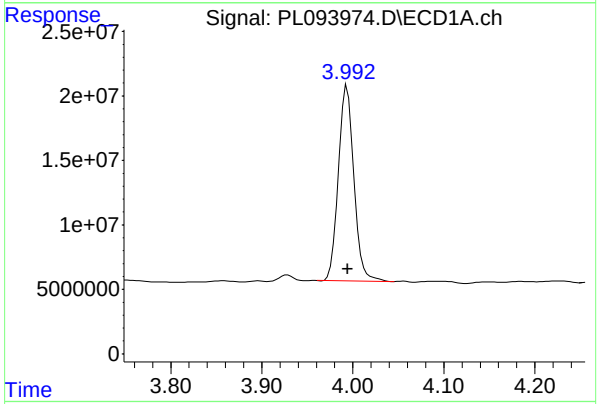
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



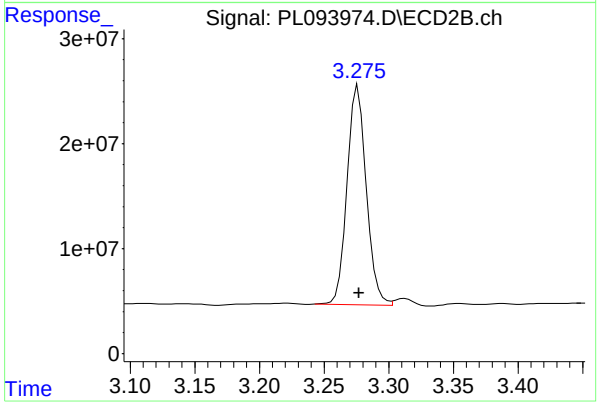
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 54190470
Conc: 16.60 ng/ml



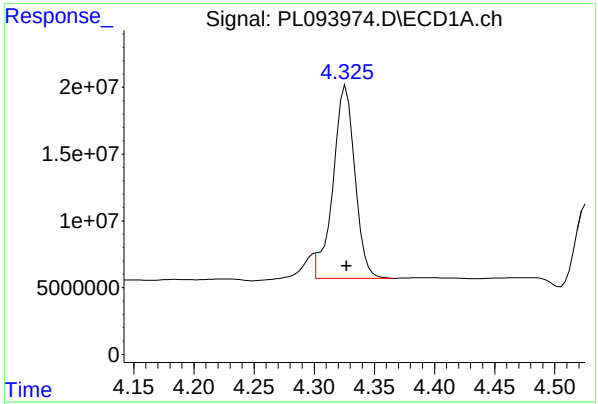
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 179759537
Conc: 46.89 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 215771068
Conc: 44.13 ng/ml



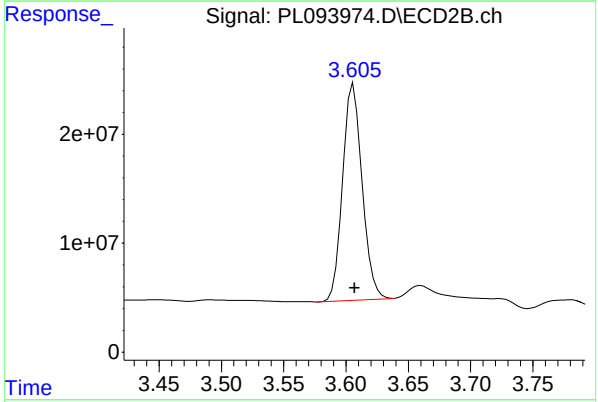
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 181903829
Conc: 49.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MSD

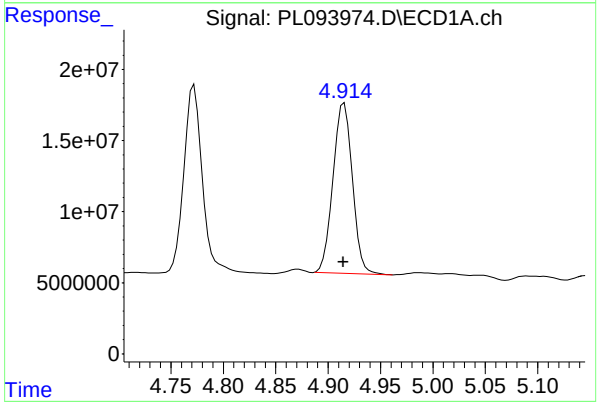
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



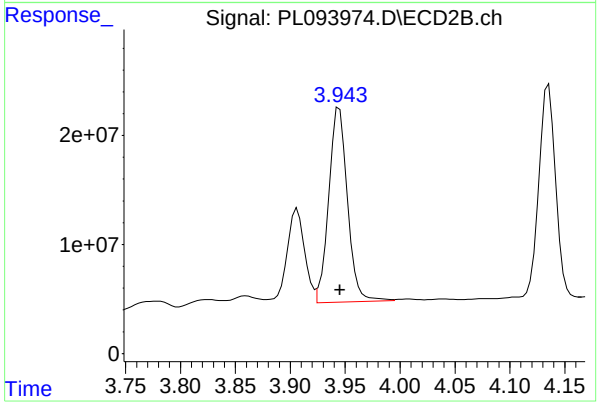
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 215953016
Conc: 45.55 ng/ml



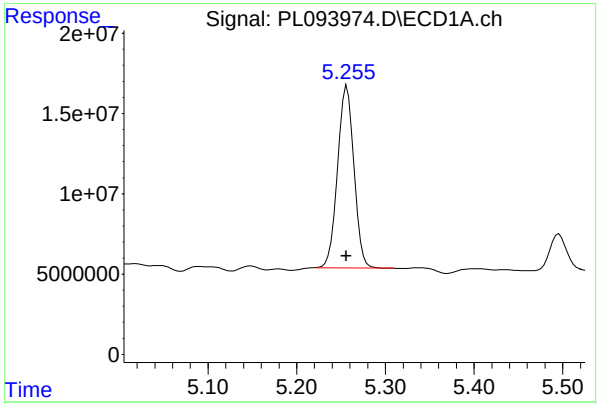
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 153336678
Conc: 46.79 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 211966864
Conc: 45.54 ng/ml



#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 mi
Response: 145465511
Conc: 44.46 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-29.1-012825MSD

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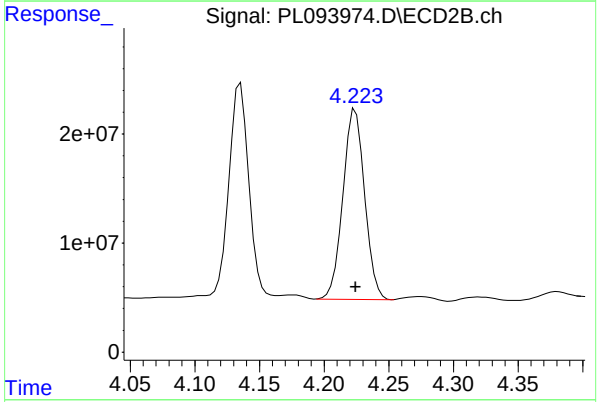
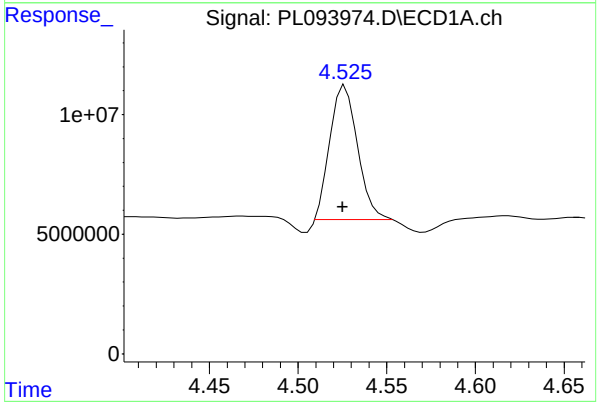


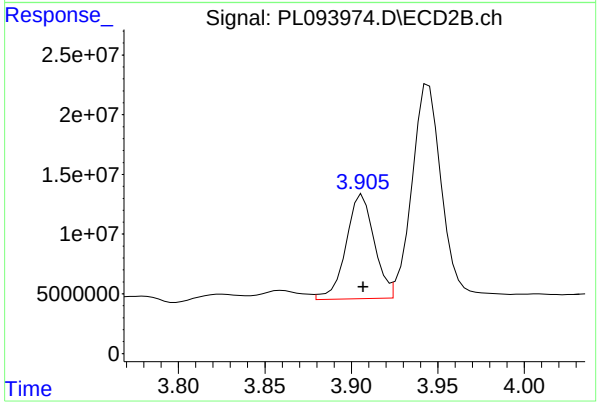
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 203836658
Conc: 44.68 ng/ml



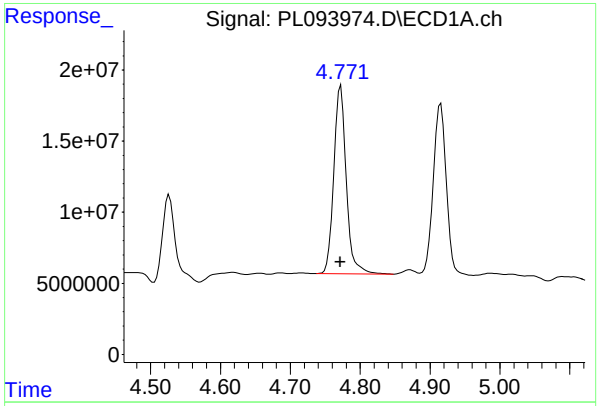
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 60597285
Conc: 37.70 ng/ml m



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 98998032
Conc: 49.56 ng/ml



#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 163740581
Conc: 46.71 ng/ml

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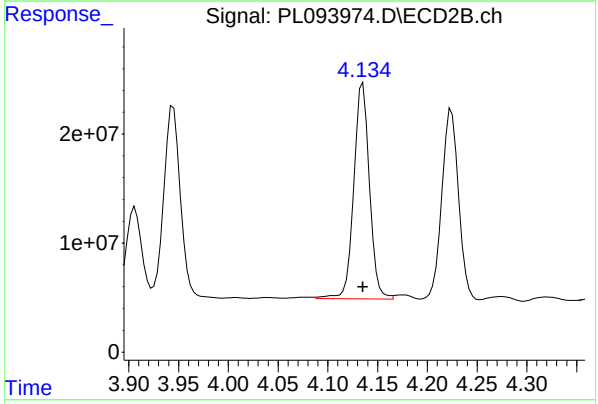
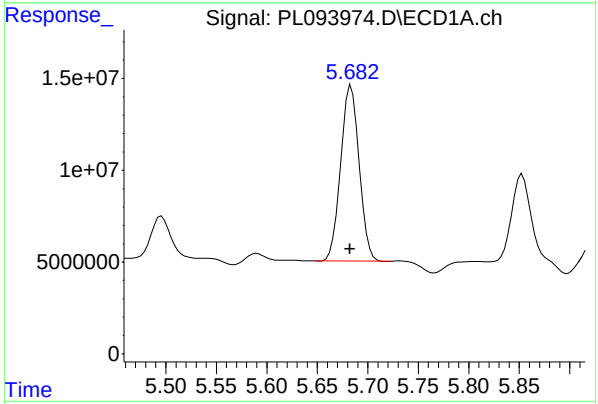


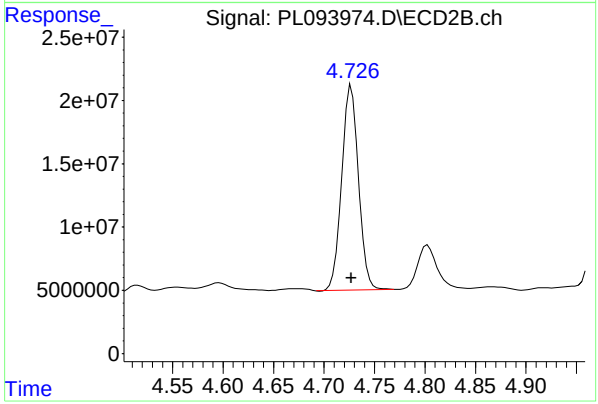
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 216498978
Conc: 45.57 ng/ml



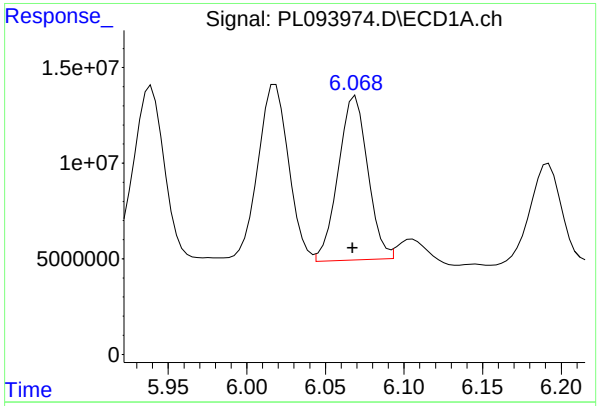
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 121908904
Conc: 40.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 187369206
Conc: 44.82 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 mi
Response: 112073322
Conc: 42.41 ng/m

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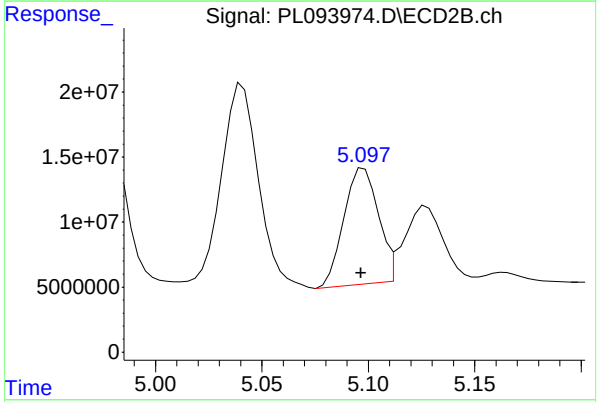
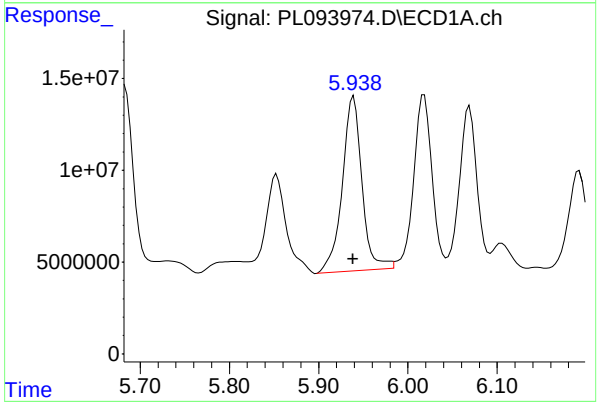


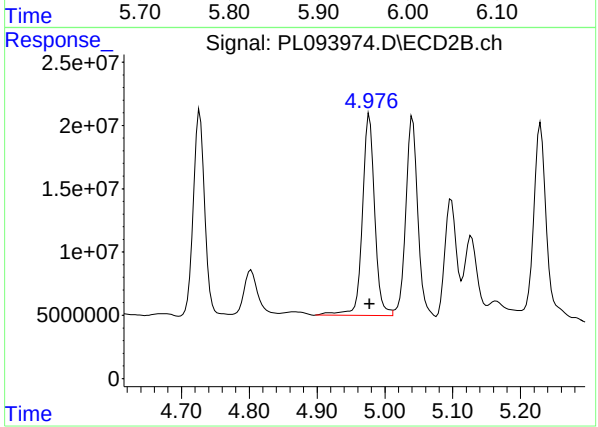
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 96754471
Conc: 24.96 ng/ml m



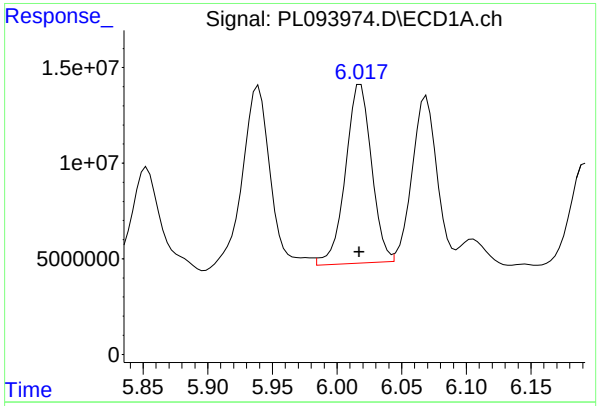
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 145834128
Conc: 52.32 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 202540379
Conc: 47.80 ng/ml



#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 mi
Response: 131027132
Conc: 46.99 ng/m

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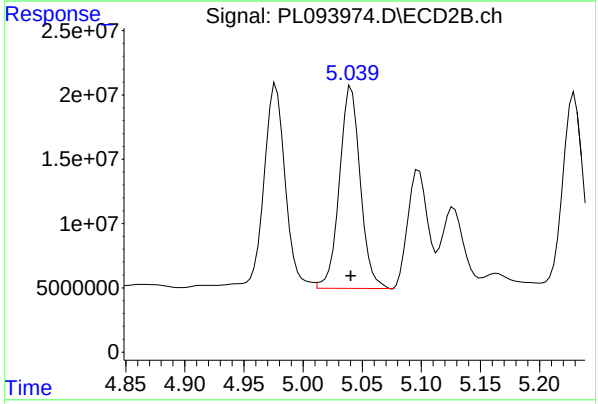
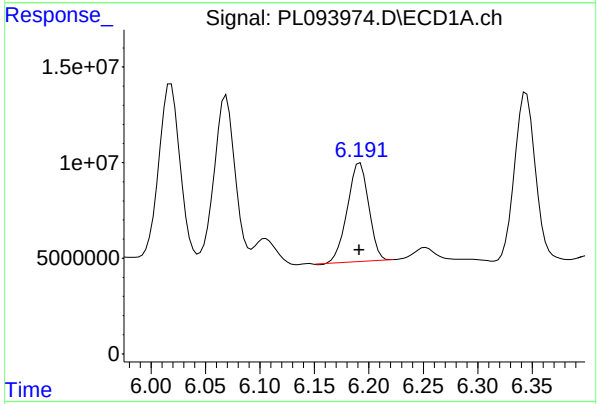


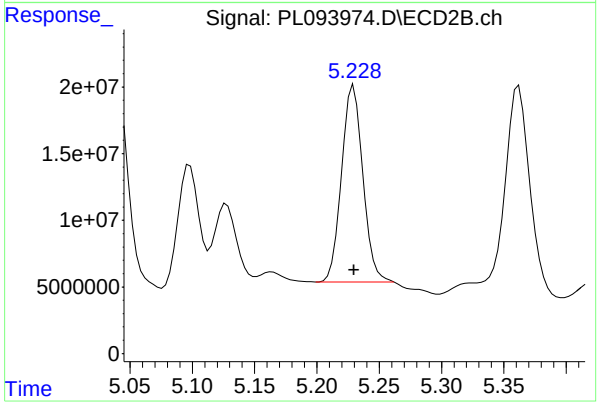
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 192548548
Conc: 45.99 ng/ml



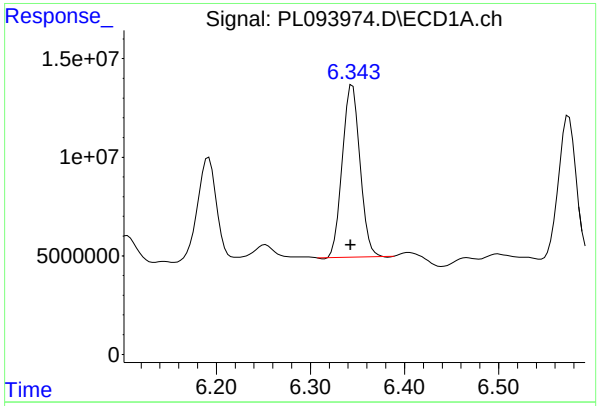
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 70234847
Conc: 28.85 ng/ml



#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 175736551
Conc: 43.83 ng/ml m



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 113971322
Conc: 41.06 ng/m

Instrument :
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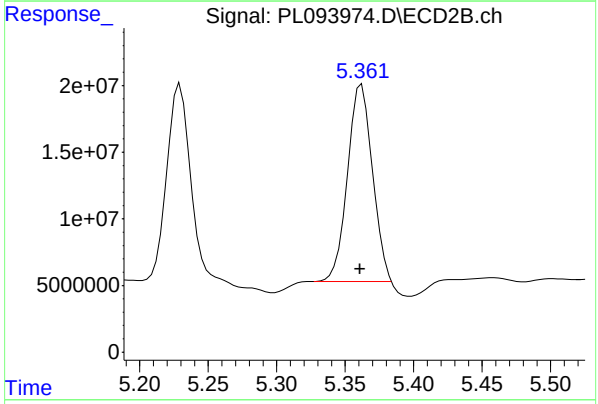
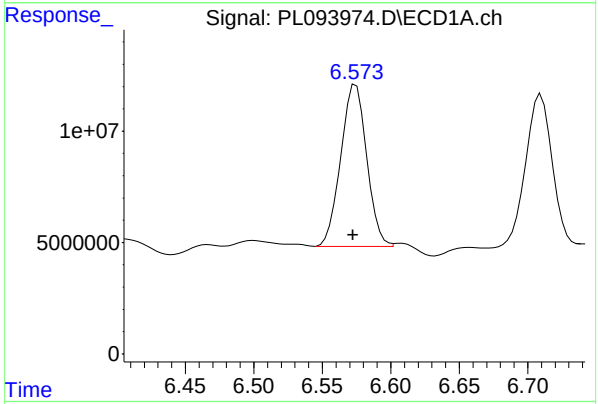


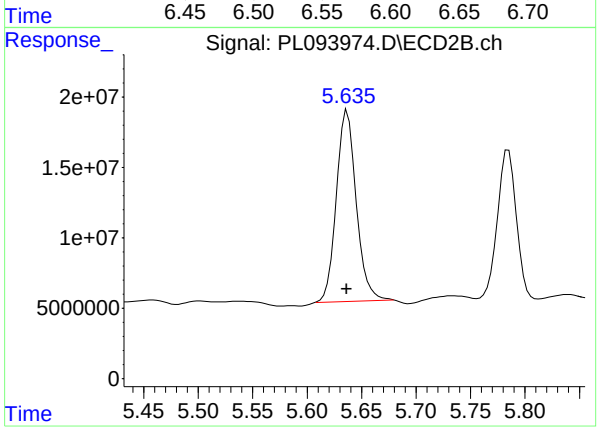
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 187043682
Conc: 43.54 ng/ml m



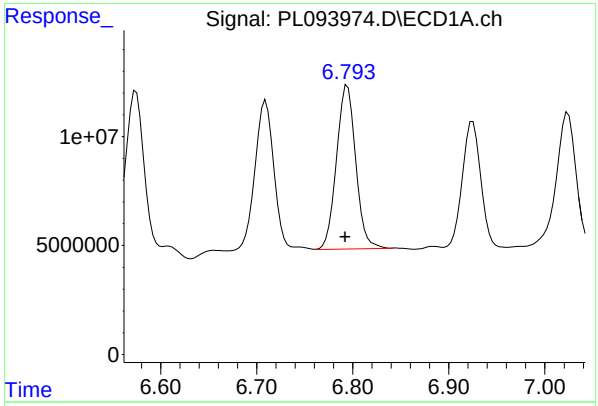
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 96100977
Conc: 40.98 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 172361050
Conc: 46.68 ng/ml



#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 103495294
Conc: 42.96 ng/ml

Instrument :
ECD_L
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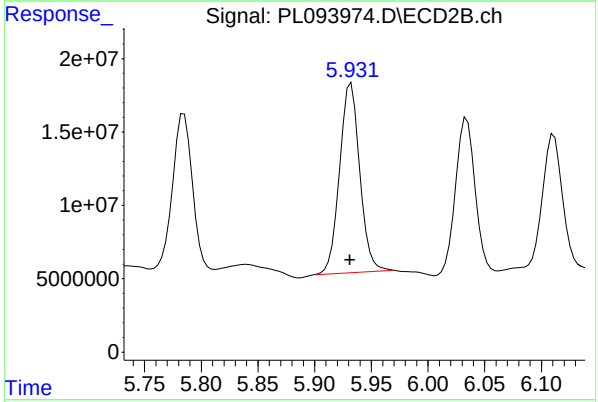
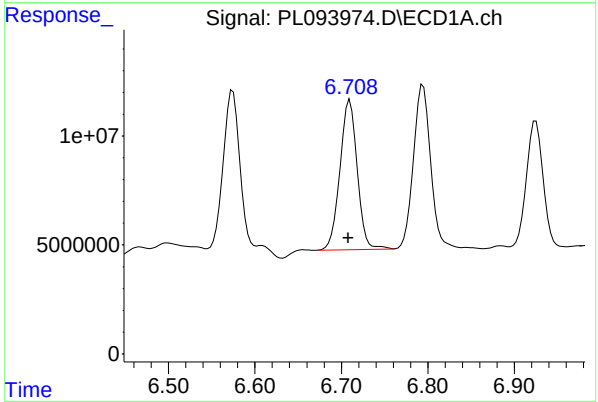


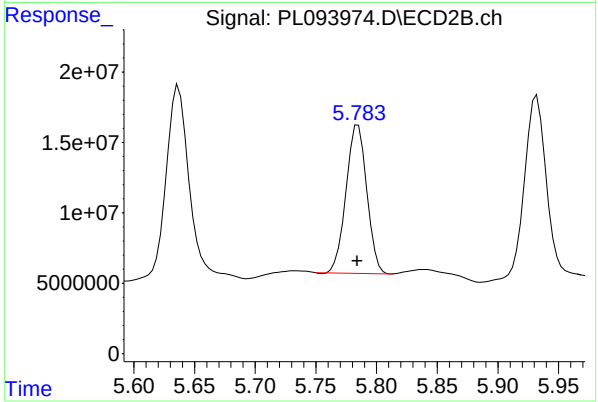
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 159798057
Conc: 43.14 ng/ml



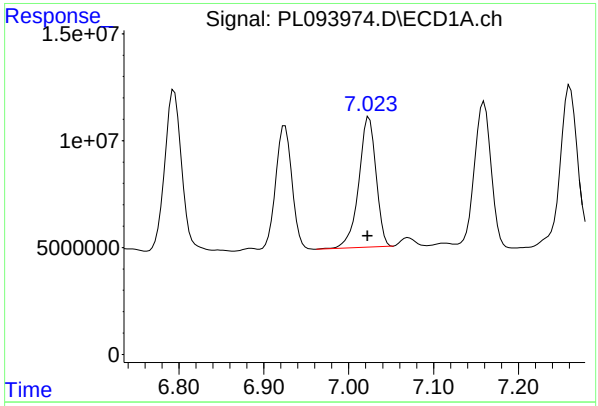
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.001 min
Response: 95185215
Conc: 50.08 ng/ml



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 125657883
Conc: 39.81 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 85649588
Conc: 43.43 ng/ml

Instrument :
ECD_L
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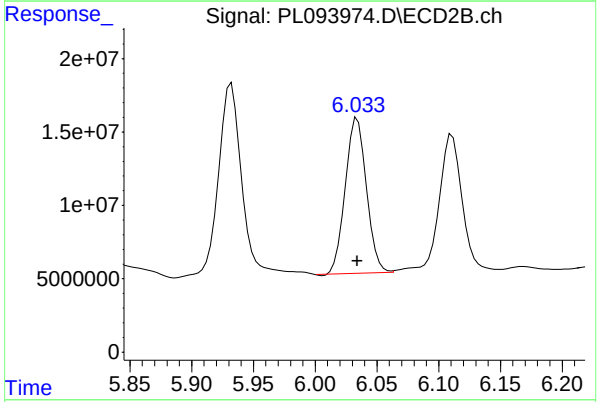
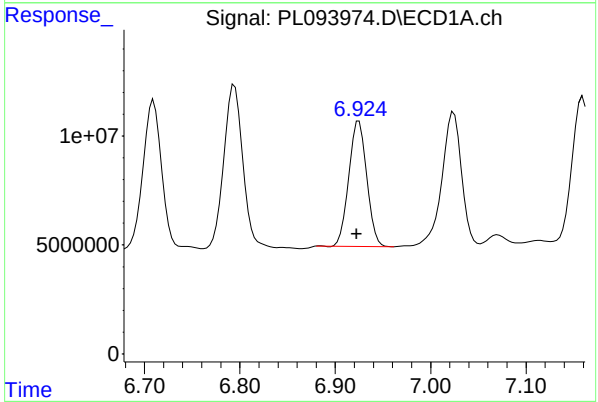


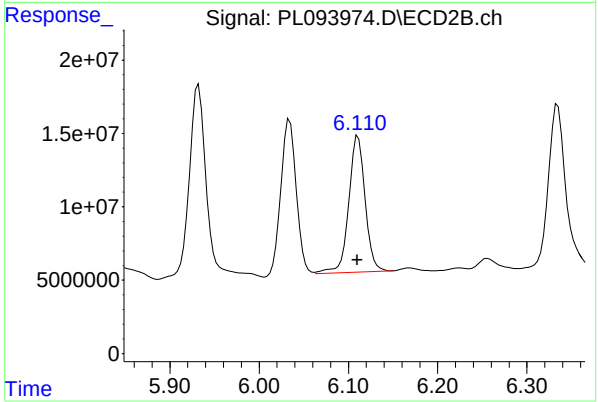
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 126284371
Conc: 38.81 ng/ml



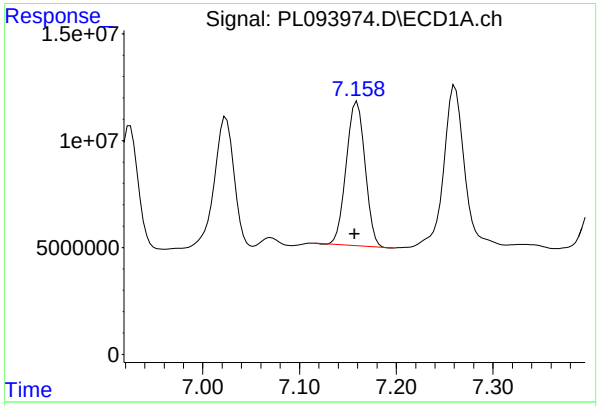
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 76109049
Conc: 39.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 118922893
Conc: 39.06 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 mi
Response: 90361761
Conc: 39.92 ng/m

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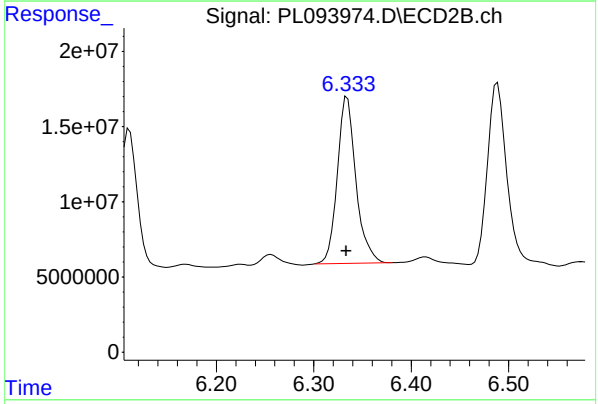
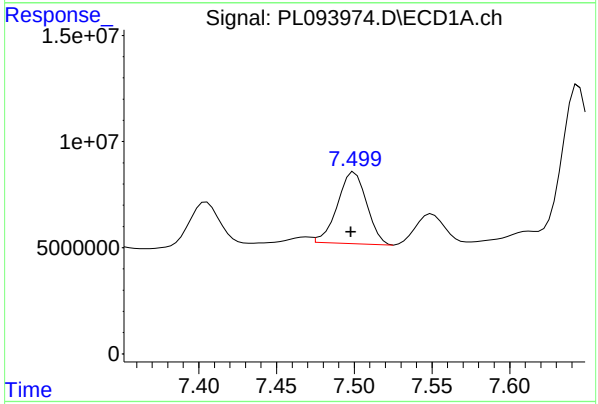


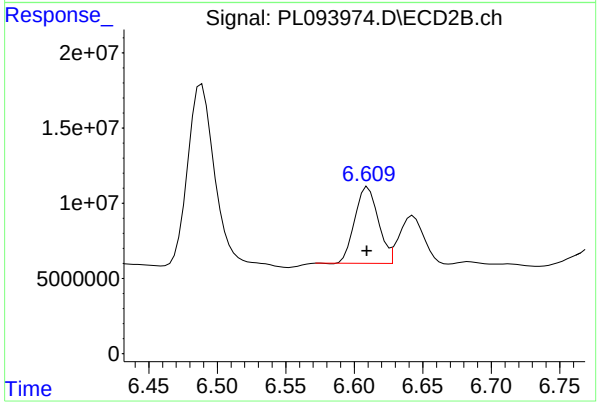
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.001 min
Response: 147148016
Conc: 41.26 ng/ml



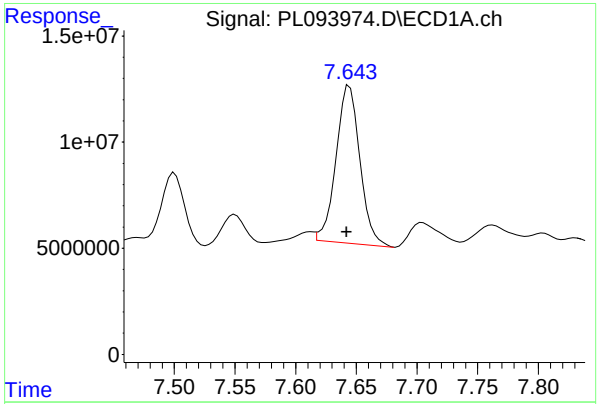
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 44046400
Conc: 42.21 ng/ml m



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 60924187
Conc: 34.07 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.001 mi
Response: 101388896
Conc: 40.19 ng/m

Instrument :
ECD_L
ClientSampleId :
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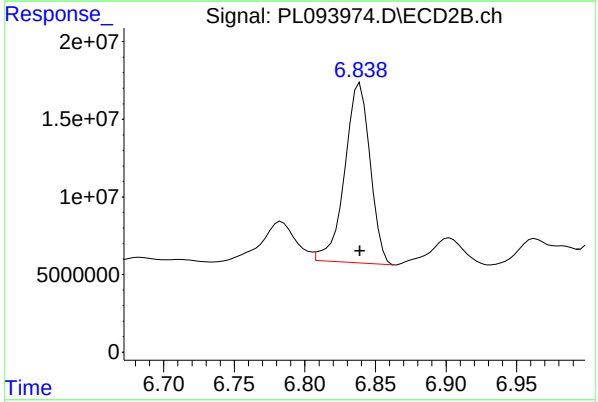
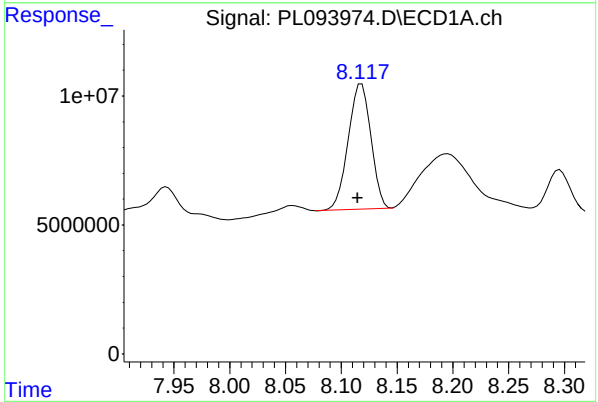


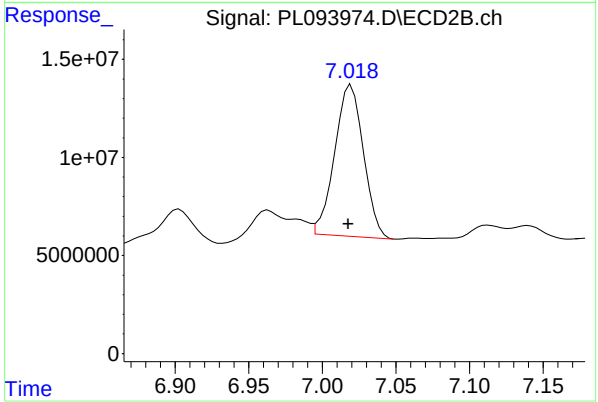
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: -0.001 min
Response: 144566385
Conc: 34.46 ng/ml m



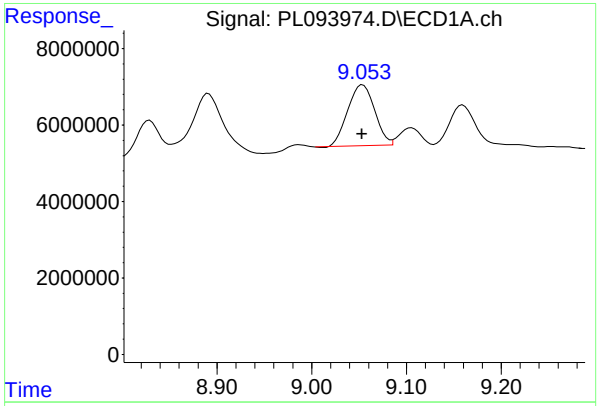
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 68843271
Conc: 33.06 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 104668899
Conc: 30.95 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 31559930
Conc: 15.09 ng/ml

Instrument :
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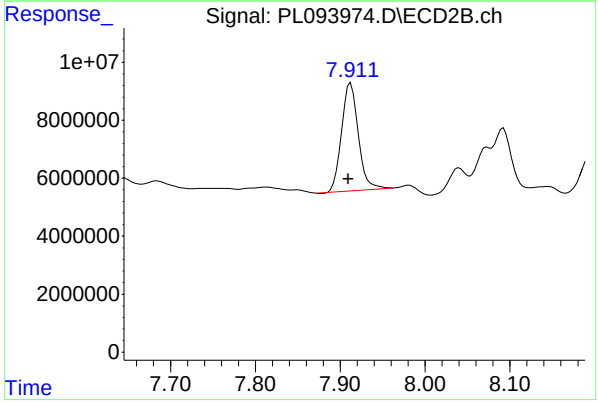

#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.003 min
Response: 50686653
Conc: 14.47 ng/ml

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Manual Integration Report

Sequence:	PL012125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093726.D	4,4"-DDD	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	4,4"-DDE	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	Endrin aldehyde	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5 #2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE #2	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PSTDCCC050	PL093748.D	Heptachlor	Abdul	1/22/2025 8:17:12 AM	Ankita	1/22/2025 8:30:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL013025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093875.D	4,4"-DDD	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	4,4"-DDE	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	4,4"-DDE #2	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	Endrin ketone #2	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PSTDCCC050	PL093888.D	Endrin	Abdul	1/31/2025 1:25:01 PM	Ankita	1/31/2025 1:59:38	Peak Integrated by Software
PTOXCCC500	PL093889.D	Toxaphene-2	Abdul	1/31/2025 1:27:22 PM	Ankita	1/31/2025 1:59:40	Peak Integrated by Software
PEM	PL093905.D	4,4"-DDE	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PEM	PL093905.D	4,4"-DDE #2	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PEM	PL093905.D	Endrin	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PSTDCCC050	PL093906.D	Endrin	Abdul	1/31/2025 1:25:46 PM	Ankita	1/31/2025 2:00:26	Peak Integrated by Software
PB166359BS	PL093908.D	Endrin	Abdul	1/31/2025 1:25:51 PM	Ankita	1/31/2025 2:00:28	Peak Integrated by Software
Q1215-07	PL093909.D	alpha-Chlordane	Abdul	1/31/2025 1:25:54 PM	Ankita	1/31/2025 2:00:30	Peak Integrated by Software
Q1215-07	PL093909.D	alpha-Chlordane #2	Abdul	1/31/2025 1:25:54 PM	Ankita	1/31/2025 2:00:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL013025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1215-07	PL093909.D	Heptachlor	Abdul	1/31/2025 1:25:54 PM	Ankita	1/31/2025 2:00:30	Peak Integrated by Software
Q1215-07	PL093909.D	Heptachlor #2	Abdul	1/31/2025 1:25:54 PM	Ankita	1/31/2025 2:00:30	Peak Integrated by Software
Q1215-07	PL093909.D	Tetrachloro-m-xylene	Abdul	1/31/2025 1:25:54 PM	Ankita	1/31/2025 2:00:30	Peak Integrated by Software
PEM	PL093918.D	4,4"-DDE	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software
PEM	PL093918.D	4,4"-DDE #2	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software
PEM	PL093918.D	Endrin	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software
I.BLK	PL093925.D	Decachlorobiphenyl	Abdul	1/31/2025 1:26:41 PM	Ankita	1/31/2025 2:00:55	Peak Integrated by Software
PSTDCCC050	PL093926.D	Decachlorobiphenyl	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	Endrin	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	gamma-Chlordane	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	gamma-Chlordane #2	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093929.D	4,4"-DDD	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PEM	PL093929.D	4,4"-DDD #2	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PEM	PL093929.D	Endrin	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PSTDCCC050	PL093930.D	Endrin	Abdul	2/3/2025 9:48:14 AM	Ankita	2/3/2025 1:12:25	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-2	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-5	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-5 #2	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PSTDCCC050	PL093943.D	Endrin	Abdul	2/3/2025 9:48:38 AM	Ankita	2/3/2025 1:12:36	Peak Integrated by Software
PCHLORCCC500	PL093944.D	Chlordane-2	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software
PCHLORCCC500	PL093944.D	Chlordane-5	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software
PCHLORCCC500	PL093944.D	Chlordane-5 #2	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software
PTOXCCC500	PL093945.D	Toxaphene-2	Abdul	2/3/2025 9:48:44 AM	Ankita	2/3/2025 1:12:40	Peak Integrated by Software
PTOXCCC500	PL093945.D	Toxaphene-5 #2	Abdul	2/3/2025 9:48:44 AM	Ankita	2/3/2025 1:12:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093958.D	4,4"-DDE	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PEM	PL093958.D	4,4"-DDE #2	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PEM	PL093958.D	Endrin	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PSTDCCC050	PL093959.D	Endrin	Abdul	2/3/2025 9:54:37 AM	Ankita	2/3/2025 1:13:28	Peak Integrated by Software
PSTDCCC050	PL093959.D	gamma-Chlordane #2	Abdul	2/3/2025 9:54:37 AM	Ankita	2/3/2025 1:13:28	Peak Integrated by Software
PSTDCCC050	PL093971.D	Endrin	Abdul	2/3/2025 9:49:56 AM	Ankita	2/3/2025 1:14:06	Peak Integrated by Software
Q1215-03	PL093972.D	4,4"-DDD #2	Abdul	2/3/2025 9:50:01 AM	Ankita	2/3/2025 1:14:08	Peak Integrated by Software
Q1215-03	PL093972.D	Decachlorobiphenyl #2	Abdul	2/3/2025 9:50:01 AM	Ankita	2/3/2025 1:14:08	Peak Integrated by Software
Q1215-03	PL093972.D	delta-BHC #2	Abdul	2/3/2025 9:50:01 AM	Ankita	2/3/2025 1:14:08	Peak Integrated by Software
Q1215-03	PL093972.D	Tetrachloro-m-xylene	Abdul	2/3/2025 9:50:01 AM	Ankita	2/3/2025 1:14:08	Peak Integrated by Software
Q1215-03	PL093972.D	Tetrachloro-m-xylene #2	Abdul	2/3/2025 9:50:01 AM	Ankita	2/3/2025 1:14:08	Peak Integrated by Software
Q1215-03MS	PL093973.D	4,4"-DDD	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	beta-BHC	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1215-03MS	PL093973.D	beta-BHC #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Decachlorobiphenyl #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Dieldrin #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Endosulfan I #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Endosulfan Sulfate	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Endrin aldehyde #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Endrin ketone	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Endrin ketone #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	gamma-BHC (Lindane)	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Methoxychlor	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Methoxychlor #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Mirex #2	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software
Q1215-03MS	PL093973.D	Tetrachloro-m-xylene	Abdul	2/3/2025 9:50:05 AM	Ankita	2/3/2025 1:14:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1215-03MSD	PL093974.D	4,4"-DDE #2	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	beta-BHC	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Dieldrin #2	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Endosulfan I #2	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Endrin	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Endrin ketone	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Endrin ketone #2	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	gamma-BHC (Lindane)	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Methoxychlor	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Mirex #2	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
Q1215-03MSD	PL093974.D	Tetrachloro-m-xylene	Abdul	2/3/2025 9:54:00 AM	Ankita	2/3/2025 1:14:11	Peak Integrated by Software
PSTDCCC050	PL093978.D	Endrin	Abdul	2/3/2025 9:54:09 AM	Ankita	2/3/2025 1:14:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl013125	Instrument	ECD_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093724.D	21 Jan 2025 10:03	AR\AJ	Ok
2	I.BLK	PL093725.D	21 Jan 2025 10:16	AR\AJ	Ok
3	PEM	PL093726.D	21 Jan 2025 10:30	AR\AJ	Ok,M
4	RESCHK	PL093727.D	21 Jan 2025 10:43	AR\AJ	Ok
5	PSTDICC100	PL093728.D	21 Jan 2025 10:57	AR\AJ	Ok
6	PSTDICC075	PL093729.D	21 Jan 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL093730.D	21 Jan 2025 11:24	AR\AJ	Ok
8	PSTDICC025	PL093731.D	21 Jan 2025 11:38	AR\AJ	Ok
9	PSTDICC005	PL093732.D	21 Jan 2025 11:51	AR\AJ	Ok
10	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05	AR\AJ	Ok
11	PCHLORICC750	PL093734.D	21 Jan 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL093735.D	21 Jan 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL093736.D	21 Jan 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL093737.D	21 Jan 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL093738.D	21 Jan 2025 13:12	AR\AJ	Ok
16	PTOXICC750	PL093739.D	21 Jan 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL093740.D	21 Jan 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL093741.D	21 Jan 2025 13:53	AR\AJ	Ok
19	PTOXICC100	PL093742.D	21 Jan 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL093743.D	21 Jan 2025 14:20	AR\AJ	Ok
21	PCHLORICV500	PL093744.D	21 Jan 2025 14:47	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093745.D	21 Jan 2025 15:14	AR\AJ	Ok
23	I.BLK	PL093746.D	21 Jan 2025 15:41	AR\AJ	Ok
24	PEM	PL093747.D	21 Jan 2025 15:54	AR\AJ	Ok,M
25	PSTDCCC050	PL093748.D	21 Jan 2025 16:07	AR\AJ	Ok,M
26	Q1093-01RE	PL093749.D	21 Jan 2025 16:21	AR\AJ	Confirms
27	I.BLK	PL093750.D	21 Jan 2025 16:34	AR\AJ	Ok
28	PSTDCCC050	PL093751.D	21 Jan 2025 16:48	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093873.D	30 Jan 2025 09:17	AR\AJ	Ok
2	I.BLK	PL093874.D	30 Jan 2025 09:31	AR\AJ	Ok
3	PEM	PL093875.D	30 Jan 2025 09:45	AR\AJ	Ok,M
4	PSTDCCC050	PL093876.D	30 Jan 2025 09:58	AR\AJ	Ok
5	PTOXCCC500	PL093877.D	30 Jan 2025 10:14	AR\AJ	Ok
6	Q1168-03	PL093878.D	30 Jan 2025 10:29	AR\AJ	Ok,M
7	Q1168-09	PL093879.D	30 Jan 2025 10:42	AR\AJ	Ok,M
8	Q1209-01	PL093880.D	30 Jan 2025 10:58	AR\AJ	Ok,M
9	Q1209-05	PL093881.D	30 Jan 2025 11:11	AR\AJ	Ok,M
10	Q1209-05MS	PL093882.D	30 Jan 2025 11:25	AR\AJ	Ok,M
11	Q1209-05MSD	PL093883.D	30 Jan 2025 11:38	AR\AJ	Ok,M
12	PB166334BL	PL093884.D	30 Jan 2025 11:51	AR\AJ	Ok
13	PB166334BS	PL093885.D	30 Jan 2025 12:05	AR\AJ	Ok,M
14	PB166353BS	PL093886.D	30 Jan 2025 13:24	AR\AJ	Ok,M
15	I.BLK	PL093887.D	30 Jan 2025 13:40	AR\AJ	Ok
16	PSTDCCC050	PL093888.D	30 Jan 2025 13:53	AR\AJ	Ok,M
17	PTOXCCC500	PL093889.D	30 Jan 2025 14:38	AR\AJ	Ok,M
18	Q1206-08	PL093890.D	30 Jan 2025 14:51	AR\AJ	Ok
19	Q1207-04	PL093891.D	30 Jan 2025 15:04	AR\AJ	Ok,M
20	Q1207-08	PL093892.D	30 Jan 2025 15:18	AR\AJ	Ok
21	Q1207-12	PL093893.D	30 Jan 2025 15:31	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	Q1207-16	PL093894.D	30 Jan 2025 15:44	AR\AJ	Ok
23	Q1207-20	PL093895.D	30 Jan 2025 15:58	AR\AJ	Ok
24	Q1205-01	PL093896.D	30 Jan 2025 16:11	AR\AJ	Ok,M
25	Q1206-03	PL093897.D	30 Jan 2025 16:24	AR\AJ	Ok,M
26	Q1206-07	PL093898.D	30 Jan 2025 16:38	AR\AJ	Not Ok
27	Q1207-03	PL093899.D	30 Jan 2025 16:52	AR\AJ	Ok,M
28	Q1207-07	PL093900.D	30 Jan 2025 17:05	AR\AJ	Ok,M
29	Q1207-11	PL093901.D	30 Jan 2025 17:19	AR\AJ	Ok,M
30	Q1207-15	PL093902.D	30 Jan 2025 17:32	AR\AJ	Ok,M
31	Q1207-19	PL093903.D	30 Jan 2025 17:45	AR\AJ	Ok,M
32	I.BLK	PL093904.D	30 Jan 2025 17:59	AR\AJ	Ok
33	PEM	PL093905.D	30 Jan 2025 18:39	AR\AJ	Ok,M
34	PSTDCCC050	PL093906.D	30 Jan 2025 19:06	AR\AJ	Ok,M
35	PB166359BL	PL093907.D	30 Jan 2025 19:32	AR\AJ	Ok
36	PB166359BS	PL093908.D	30 Jan 2025 19:45	AR\AJ	Ok,M
37	Q1215-07	PL093909.D	30 Jan 2025 19:58	AR\AJ	Ok,M
38	Q1216-03	PL093910.D	30 Jan 2025 20:12	AR\AJ	Ok,M
39	Q1216-07	PL093911.D	30 Jan 2025 20:25	AR\AJ	Ok,M
40	Q1216-11	PL093912.D	30 Jan 2025 20:38	AR\AJ	Ok,M
41	Q1216-19	PL093913.D	30 Jan 2025 20:51	AR\AJ	Ok,M
42	Q1218-01	PL093914.D	30 Jan 2025 21:04	AR\AJ	Ok,M
43	Q1220-01	PL093915.D	30 Jan 2025 21:17	AR\AJ	Ok
44	Q1221-01	PL093916.D	30 Jan 2025 21:30	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	

45	I.BLK	PL093917.D	30 Jan 2025 21:44	AR\AJ	Ok
46	PEM	PL093918.D	30 Jan 2025 21:57	AR\AJ	Not Ok
47	PSTDCCC050	PL093919.D	30 Jan 2025 22:23	AR\AJ	Ok
48	Q1215-03	PL093920.D	30 Jan 2025 22:36	AR\AJ	Not Ok
49	Q1215-03MS	PL093921.D	30 Jan 2025 22:50	AR\AJ	Not Ok
50	Q1215-03MSD	PL093922.D	30 Jan 2025 23:03	AR\AJ	Not Ok
51	Q1216-15	PL093923.D	30 Jan 2025 23:17	AR\AJ	Not Ok
52	Q1219-01	PL093924.D	30 Jan 2025 23:30	AR\AJ	Not Ok
53	I.BLK	PL093925.D	30 Jan 2025 23:43	AR\AJ	Not Ok
54	PSTDCCC050	PL093926.D	30 Jan 2025 23:57	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093927.D	31 Jan 2025 10:38	AR\AJ	Ok
2	I.BLK	PL093928.D	31 Jan 2025 10:51	AR\AJ	Ok
3	PEM	PL093929.D	31 Jan 2025 11:04	AR\AJ	Ok,M
4	PSTDCCC050	PL093930.D	31 Jan 2025 11:17	AR\AJ	Ok,M
5	PCHLORCCC500	PL093931.D	31 Jan 2025 11:54	AR\AJ	Ok,M
6	PTOXCCC500	PL093932.D	31 Jan 2025 12:07	AR\AJ	Ok
7	PB166365BL	PL093933.D	31 Jan 2025 12:29	AR\AJ	Ok
8	PB166365BS	PL093934.D	31 Jan 2025 13:08	AR\AJ	Ok
9	PB166365BSD	PL093935.D	31 Jan 2025 13:22	AR\AJ	Ok,M
10	PB166365BS	PL093936.D	31 Jan 2025 13:35	AR\AJ	Ok,M
11	PB166365BS	PL093937.D	31 Jan 2025 13:49	AR\AJ	Ok,M
12	Q1211-01	PL093938.D	31 Jan 2025 14:02	AR\AJ	Ok
13	Q1211-02	PL093939.D	31 Jan 2025 14:15	AR\AJ	Ok,M
14	PB166413BL	PL093940.D	31 Jan 2025 14:28	AR\AJ	Ok
15	PB166413BS	PL093941.D	31 Jan 2025 14:43	AR\AJ	Ok,M
16	I.BLK	PL093942.D	31 Jan 2025 14:57	AR\AJ	Ok
17	PSTDCCC050	PL093943.D	31 Jan 2025 15:10	AR\AJ	Ok,M
18	PCHLORCCC500	PL093944.D	31 Jan 2025 15:23	AR\AJ	Ok,M
19	PTOXCCC500	PL093945.D	31 Jan 2025 16:34	AR\AJ	Ok,M
20	Q1232-03	PL093946.D	31 Jan 2025 17:01	AR\AJ	Ok,M
21	Q1232-07	PL093947.D	31 Jan 2025 17:14	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	Q1232-11	PL093948.D	31 Jan 2025 17:27	AR\AJ	Ok,M
23	Q1232-15	PL093949.D	31 Jan 2025 17:40	AR\AJ	Ok,M
24	Q1232-19	PL093950.D	31 Jan 2025 17:53	AR\AJ	Ok,M
25	Q1235-03	PL093951.D	31 Jan 2025 18:07	AR\AJ	Ok,M
26	Q1235-07	PL093952.D	31 Jan 2025 18:20	AR\AJ	Ok,M
27	Q1239-01	PL093953.D	31 Jan 2025 18:33	AR\AJ	Ok,M
28	Q1239-04	PL093954.D	31 Jan 2025 18:46	AR\AJ	Ok,M
29	Q1239-07	PL093955.D	31 Jan 2025 18:59	AR\AJ	Ok,M
30	Q1239-10	PL093956.D	31 Jan 2025 19:12	AR\AJ	Ok,M
31	I.BLK	PL093957.D	31 Jan 2025 19:26	AR\AJ	Ok
32	PEM	PL093958.D	31 Jan 2025 19:39	AR\AJ	Ok,M
33	PSTDCCC050	PL093959.D	31 Jan 2025 20:18	AR\AJ	Ok,M
34	Q1239-10MS	PL093960.D	31 Jan 2025 20:31	AR\AJ	Ok,M
35	Q1239-10MSD	PL093961.D	31 Jan 2025 20:45	AR\AJ	Ok,M
36	Q1241-03	PL093962.D	31 Jan 2025 20:58	AR\AJ	Ok,M
37	Q1241-07	PL093963.D	31 Jan 2025 21:11	AR\AJ	Ok,M
38	Q1241-11	PL093964.D	31 Jan 2025 21:24	AR\AJ	Ok,M
39	Q1241-15	PL093965.D	31 Jan 2025 21:37	AR\AJ	Ok,M
40	Q1241-19	PL093966.D	31 Jan 2025 21:50	AR\AJ	Ok,M
41	Q1242-03	PL093967.D	31 Jan 2025 22:04	AR\AJ	Ok,M
42	Q1243-01	PL093968.D	31 Jan 2025 22:17	AR\AJ	Ok
43	Q1244-01	PL093969.D	31 Jan 2025 22:30	AR\AJ	Ok,M
44	I.BLK	PL093970.D	31 Jan 2025 22:43	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	

45	PSTDCCC050	PL093971.D	01 Feb 2025 00:57	AR\AJ	Ok,M
46	Q1215-03	PL093972.D	01 Feb 2025 01:10	AR\AJ	Ok,M
47	Q1215-03MS	PL093973.D	01 Feb 2025 01:24	AR\AJ	Ok,M
48	Q1215-03MSD	PL093974.D	01 Feb 2025 01:37	AR\AJ	Ok,M
49	Q1216-15	PL093975.D	01 Feb 2025 01:50	AR\AJ	ReRun
50	Q1219-01	PL093976.D	01 Feb 2025 02:03	AR\AJ	Ok,M
51	I.BLK	PL093977.D	01 Feb 2025 02:43	AR\AJ	Ok
52	PSTDCCC050	PL093978.D	01 Feb 2025 02:56	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093724.D	21 Jan 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL093725.D	21 Jan 2025 10:16		AR\AJ	Ok
3	PEM	PEM	PL093726.D	21 Jan 2025 10:30		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093727.D	21 Jan 2025 10:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093728.D	21 Jan 2025 10:57		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093729.D	21 Jan 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093730.D	21 Jan 2025 11:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093731.D	21 Jan 2025 11:38		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093732.D	21 Jan 2025 11:51		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093734.D	21 Jan 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093735.D	21 Jan 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093736.D	21 Jan 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093737.D	21 Jan 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093738.D	21 Jan 2025 13:12		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093739.D	21 Jan 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093740.D	21 Jan 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093741.D	21 Jan 2025 13:53		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093742.D	21 Jan 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL012125	PL093743.D	21 Jan 2025 14:20		AR\AJ	Ok
21	PCHLORICV500	ICVPL012125	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125	PL093745.D	21 Jan 2025 15:14		AR\AJ	Ok
23	I.BLK	I.BLK	PL093746.D	21 Jan 2025 15:41		AR\AJ	Ok
24	PEM	PEM	PL093747.D	21 Jan 2025 15:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093748.D	21 Jan 2025 16:07		AR\AJ	Ok,M
26	Q1093-01RE	RT-3407RE	PL093749.D	21 Jan 2025 16:21	F Flag coming , DCB high in 2nd column	AR\AJ	Confirms
27	I.BLK	I.BLK	PL093750.D	21 Jan 2025 16:34		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093751.D	21 Jan 2025 16:48		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093873.D	30 Jan 2025 09:17		AR\AJ	Ok
2	I.BLK	I.BLK	PL093874.D	30 Jan 2025 09:31		AR\AJ	Ok
3	PEM	PEM	PL093875.D	30 Jan 2025 09:45		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093876.D	30 Jan 2025 09:58		AR\AJ	Ok
5	PTOXCCC500	PTOXCCC500	PL093877.D	30 Jan 2025 10:14		AR\AJ	Ok
6	Q1168-03	MDL-SOIL-03-QT1-202	PL093878.D	30 Jan 2025 10:29		AR\AJ	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	PL093879.D	30 Jan 2025 10:42		AR\AJ	Ok,M
8	Q1209-01	WC-4	PL093880.D	30 Jan 2025 10:58		AR\AJ	Ok,M
9	Q1209-05	WC-5	PL093881.D	30 Jan 2025 11:11		AR\AJ	Ok,M
10	Q1209-05MS	WC-5MS	PL093882.D	30 Jan 2025 11:25		AR\AJ	Ok,M
11	Q1209-05MSD	WC-5MSD	PL093883.D	30 Jan 2025 11:38		AR\AJ	Ok,M
12	PB166334BL	PB166334BL	PL093884.D	30 Jan 2025 11:51		AR\AJ	Ok
13	PB166334BS	PB166334BS	PL093885.D	30 Jan 2025 12:05		AR\AJ	Ok,M
14	PB166353BS	PB166353BS	PL093886.D	30 Jan 2025 13:24		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL093887.D	30 Jan 2025 13:40		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL093888.D	30 Jan 2025 13:53		AR\AJ	Ok,M
17	PTOXCCC500	PTOXCCC500	PL093889.D	30 Jan 2025 14:38		AR\AJ	Ok,M
18	Q1206-08	JPP-16.3-012725	PL093890.D	30 Jan 2025 14:51		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	Q1207-04	JPP-2.1-012725	PL093891.D	30 Jan 2025 15:04		AR\AJ	Ok,M
20	Q1207-08	JPP-5.1-012725	PL093892.D	30 Jan 2025 15:18		AR\AJ	Ok
21	Q1207-12	JPP-4.5-012725	PL093893.D	30 Jan 2025 15:31		AR\AJ	Ok
22	Q1207-16	JPP-16.2-012725	PL093894.D	30 Jan 2025 15:44		AR\AJ	Ok
23	Q1207-20	JPP-20.2-012725	PL093895.D	30 Jan 2025 15:58		AR\AJ	Ok
24	Q1205-01	VNJ-236	PL093896.D	30 Jan 2025 16:11		AR\AJ	Ok,M
25	Q1206-03	JPP-20.1-012725	PL093897.D	30 Jan 2025 16:24		AR\AJ	Ok,M
26	Q1206-07	JPP-16.3-012725	PL093898.D	30 Jan 2025 16:38	F Flag coming	AR\AJ	Not Ok
27	Q1207-03	JPP-2.1-012725	PL093899.D	30 Jan 2025 16:52		AR\AJ	Ok,M
28	Q1207-07	JPP-5.1-012725	PL093900.D	30 Jan 2025 17:05		AR\AJ	Ok,M
29	Q1207-11	JPP-4.5-012725	PL093901.D	30 Jan 2025 17:19		AR\AJ	Ok,M
30	Q1207-15	JPP-16.2-012725	PL093902.D	30 Jan 2025 17:32		AR\AJ	Ok,M
31	Q1207-19	JPP-20.2-012725	PL093903.D	30 Jan 2025 17:45		AR\AJ	Ok,M
32	I.BLK	I.BLK	PL093904.D	30 Jan 2025 17:59		AR\AJ	Ok
33	PEM	PEM	PL093905.D	30 Jan 2025 18:39		AR\AJ	Ok,M
34	PSTDCCC050	PSTDCCC050	PL093906.D	30 Jan 2025 19:06		AR\AJ	Ok,M
35	PB166359BL	PB166359BL	PL093907.D	30 Jan 2025 19:32		AR\AJ	Ok
36	PB166359BS	PB166359BS	PL093908.D	30 Jan 2025 19:45		AR\AJ	Ok,M
37	Q1215-07	JPP-29.2-012825	PL093909.D	30 Jan 2025 19:58		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	Q1216-03	JPP-18.1-012825	PL093910.D	30 Jan 2025 20:12		AR\AJ	Ok,M
39	Q1216-07	JPP-21.1-012825	PL093911.D	30 Jan 2025 20:25		AR\AJ	Ok,M
40	Q1216-11	JPP-21.2-012825	PL093912.D	30 Jan 2025 20:38		AR\AJ	Ok,M
41	Q1216-19	JPP-26.2-012825	PL093913.D	30 Jan 2025 20:51		AR\AJ	Ok,M
42	Q1218-01	BELL-25-002	PL093914.D	30 Jan 2025 21:04		AR\AJ	Ok,M
43	Q1220-01	TR-06-01292025	PL093915.D	30 Jan 2025 21:17		AR\AJ	Ok
44	Q1221-01	CHESTNUT-CONCRE	PL093916.D	30 Jan 2025 21:30		AR\AJ	Ok,M
45	I.BLK	I.BLK	PL093917.D	30 Jan 2025 21:44		AR\AJ	Ok
46	PEM	PEM	PL093918.D	30 Jan 2025 21:57	not required	AR\AJ	Not Ok
47	PSTDCCC050	PSTDCCC050	PL093919.D	30 Jan 2025 22:23		AR\AJ	Ok
48	Q1215-03	JPP-29.1-012825	PL093920.D	30 Jan 2025 22:36	End CCC fail	AR\AJ	Not Ok
49	Q1215-03MS	JPP-29.1-012825MS	PL093921.D	30 Jan 2025 22:50	End CCC fail	AR\AJ	Not Ok
50	Q1215-03MSD	JPP-29.1-012825MSD	PL093922.D	30 Jan 2025 23:03	End CCC fail	AR\AJ	Not Ok
51	Q1216-15	JPP-26.1-012825	PL093923.D	30 Jan 2025 23:17	End CCC fail , DCB high in 2nd column	AR\AJ	Not Ok
52	Q1219-01	LAW-25-0015	PL093924.D	30 Jan 2025 23:30	End CCC fail , DCB high in 1st column	AR\AJ	Not Ok
53	I.BLK	I.BLK	PL093925.D	30 Jan 2025 23:43	CCC Fail	AR\AJ	Not Ok
54	PSTDCCC050	PSTDCCC050	PL093926.D	30 Jan 2025 23:57	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL093927.D	31 Jan 2025 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL093928.D	31 Jan 2025 10:51		AR\AJ	Ok
3	PEM	PEM	PL093929.D	31 Jan 2025 11:04		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093930.D	31 Jan 2025 11:17		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL093931.D	31 Jan 2025 11:54		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL093932.D	31 Jan 2025 12:07		AR\AJ	Ok
7	PB166365BL	PB166365BL	PL093933.D	31 Jan 2025 12:29		AR\AJ	Ok
8	PB166365BS	PB166365BS	PL093934.D	31 Jan 2025 13:08		AR\AJ	Ok
9	PB166365BSD	PB166365BSD	PL093935.D	31 Jan 2025 13:22		AR\AJ	Ok,M
10	PB166365BS	PB166365BS	PL093936.D	31 Jan 2025 13:35		AR\AJ	Ok,M
11	PB166365BS	PB166365BS	PL093937.D	31 Jan 2025 13:49		AR\AJ	Ok,M
12	Q1211-01	TAPHHA-MW01-01282	PL093938.D	31 Jan 2025 14:02	TCMX high in 1st column	AR\AJ	Ok
13	Q1211-02	TAPIAL2-MW03-01282	PL093939.D	31 Jan 2025 14:15		AR\AJ	Ok,M
14	PB166413BL	PB166413BL	PL093940.D	31 Jan 2025 14:28		AR\AJ	Ok
15	PB166413BS	PB166413BS	PL093941.D	31 Jan 2025 14:43		AR\AJ	Ok,M
16	I.BLK	I.BLK	PL093942.D	31 Jan 2025 14:57		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PL093943.D	31 Jan 2025 15:10		AR\AJ	Ok,M
18	PCHLORCCC500	PCHLORCCC500	PL093944.D	31 Jan 2025 15:23		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PTOXCCC500	PTOXCCC500	PL093945.D	31 Jan 2025 16:34		AR\AJ	Ok,M
20	Q1232-03	JPP-46.2-012925	PL093946.D	31 Jan 2025 17:01	DCB high in 2nd column	AR\AJ	Ok,M
21	Q1232-07	JPP-46.1-012925	PL093947.D	31 Jan 2025 17:14		AR\AJ	Ok,M
22	Q1232-11	JPP-42.1-012925	PL093948.D	31 Jan 2025 17:27		AR\AJ	Ok,M
23	Q1232-15	JPP-42.2-012925	PL093949.D	31 Jan 2025 17:40		AR\AJ	Ok,M
24	Q1232-19	JPP-51.1-012925	PL093950.D	31 Jan 2025 17:53		AR\AJ	Ok,M
25	Q1235-03	JPP-51.2-012925	PL093951.D	31 Jan 2025 18:07		AR\AJ	Ok,M
26	Q1235-07	JPP-16.1-012925	PL093952.D	31 Jan 2025 18:20		AR\AJ	Ok,M
27	Q1239-01	286	PL093953.D	31 Jan 2025 18:33		AR\AJ	Ok,M
28	Q1239-04	348	PL093954.D	31 Jan 2025 18:46		AR\AJ	Ok,M
29	Q1239-07	RBR22266	PL093955.D	31 Jan 2025 18:59		AR\AJ	Ok,M
30	Q1239-10	357	PL093956.D	31 Jan 2025 19:12		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL093957.D	31 Jan 2025 19:26		AR\AJ	Ok
32	PEM	PEM	PL093958.D	31 Jan 2025 19:39		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PL093959.D	31 Jan 2025 20:18		AR\AJ	Ok,M
34	Q1239-10MS	357MS	PL093960.D	31 Jan 2025 20:31		AR\AJ	Ok,M
35	Q1239-10MSD	357MSD	PL093961.D	31 Jan 2025 20:45	RPD Fail	AR\AJ	Ok,M
36	Q1241-03	JPP-3.5-013025	PL093962.D	31 Jan 2025 20:58		AR\AJ	Ok,M
37	Q1241-07	JPP-5.3-013025	PL093963.D	31 Jan 2025 21:11		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM		
SubDirectory	PL013125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	Q1241-11	JPP-5.2-013025	PL093964.D	31 Jan 2025 21:24		AR\AJ	Ok,M
39	Q1241-15	JPP-5.4-013025	PL093965.D	31 Jan 2025 21:37		AR\AJ	Ok,M
40	Q1241-19	JPP-51.4-013025	PL093966.D	31 Jan 2025 21:50		AR\AJ	Ok,M
41	Q1242-03	JPP-6.2-013025	PL093967.D	31 Jan 2025 22:04		AR\AJ	Ok,M
42	Q1243-01	CL-01-01302025	PL093968.D	31 Jan 2025 22:17		AR\AJ	Ok
43	Q1244-01	EO-02-01302025	PL093969.D	31 Jan 2025 22:30		AR\AJ	Ok,M
44	I.BLK	I.BLK	PL093970.D	31 Jan 2025 22:43		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PL093971.D	01 Feb 2025 00:57	Comp#22 recovery low	AR\AJ	Ok,M
46	Q1215-03	JPP-29.1-012825	PL093972.D	01 Feb 2025 01:10		AR\AJ	Ok,M
47	Q1215-03MS	JPP-29.1-012825MS	PL093973.D	01 Feb 2025 01:24		AR\AJ	Ok,M
48	Q1215-03MSD	JPP-29.1-012825MSD	PL093974.D	01 Feb 2025 01:37		AR\AJ	Ok,M
49	Q1216-15	JPP-26.1-012825	PL093975.D	01 Feb 2025 01:50	DCB high in both column	AR\AJ	ReRun
50	Q1219-01	LAW-25-0015	PL093976.D	01 Feb 2025 02:03	DCB high in 1st column	AR\AJ	Ok,M
51	I.BLK	I.BLK	PL093977.D	01 Feb 2025 02:43		AR\AJ	Ok
52	PSTDCCC050	PSTDCCC050	PL093978.D	01 Feb 2025 02:56	Comp#22 recovery low	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134481

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1215-01	JPP-29.1-012825	1	1.15	8.54	9.69	8.75	89.0	
Q1215-03	JPP-29.1-012825	2	1.16	8.48	9.64	8.69	88.8	
Q1215-05	JPP-29.2-012825	3	1.19	8.70	9.89	8.77	87.1	
Q1215-07	JPP-29.2-012825	4	1.15	8.63	9.78	8.81	88.8	
Q1216-01	JPP-18.1-012825	5	1.19	8.45	9.64	8.05	81.2	
Q1216-03	JPP-18.1-012825	6	1.16	8.82	9.98	8.51	83.3	
Q1216-05	JPP-21.1-012825	7	1.15	8.40	9.55	8.83	91.4	
Q1216-07	JPP-21.1-012825	8	1.15	8.75	9.9	9.06	90.4	
Q1216-09	JPP-21.2-012825	9	1.19	8.42	9.61	8.29	84.3	
Q1216-11	JPP-21.2-012825	10	1.15	8.36	9.51	8.2	84.3	
Q1216-13	JPP-26.1-012825	11	1.19	8.46	9.65	7.87	79.0	
Q1216-15	JPP-26.1-012825	12	1.17	8.76	9.93	8.42	82.8	
Q1216-17	JPP-26.2-012825	13	1.16	8.63	9.79	8.52	85.3	
Q1216-19	JPP-26.2-012825	14	1.17	8.51	9.68	8.47	85.8	
Q1232-01	JPP-46.2-012925	15	1.12	8.77	9.89	8.99	89.7	
Q1232-03	JPP-46.2-012925	16	1.15	8.37	9.52	8.62	89.2	
Q1232-05	JPP-46.1-012925	17	1.17	8.50	9.67	9.14	93.8	
Q1232-07	JPP-46.1-012925	18	1.15	8.72	9.87	9.35	94.0	
Q1232-09	JPP-42.1-012925	19	1.14	8.37	9.51	8.56	88.6	
Q1232-11	JPP-42.1-012925	20	1.19	8.43	9.62	8.62	88.1	
Q1232-13	JPP-42.2-012925	21	1.15	8.50	9.65	8.98	92.1	
Q1232-15	JPP-42.2-012925	22	1.15	8.37	9.52	8.95	93.2	
Q1232-17	JPP-51.1-012925	23	1.19	8.42	9.61	9.14	94.4	
Q1232-19	JPP-51.1-012925	24	1.12	8.75	9.87	9.44	95.1	
Q1233-01	WIPE-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1233-02	WIPE-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1235-01	JPP-51.2-012925	27	1.15	8.60	9.75	8.99	91.2	
Q1235-03	JPP-51.2-012925	28	1.15	8.51	9.66	8.96	91.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134481

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1235-05	JPP-16.1-012925	29	1.15	8.75	9.9	8.94	89.0	
Q1235-07	JPP-16.1-012925	30	1.12	8.77	9.89	8.94	89.2	
Q1237-01	HL6PX1	31	1.16	8.53	9.69	9.27	95.1	
Q1237-02	HL6PX2	32	1.16	8.70	9.86	9.28	93.3	
Q1237-03	HL6PX3	33	1.15	8.82	9.97	9.27	92.1	
Q1237-04	HL6PX4	34	1.15	8.78	9.93	9.43	94.3	
Q1237-05	HL6PX5	35	1.17	8.54	9.71	9.33	95.6	
Q1237-06	HL6PX6	36	1.17	8.57	9.74	9.07	92.2	
Q1239-01	286	37	1.14	8.49	9.63	8.68	88.8	
Q1239-04	348	38	1.14	8.83	9.97	9.00	89.0	
Q1239-07	RBR22266	39	1.17	8.74	9.91	9.00	89.6	
Q1239-10	357	40	1.16	8.80	9.96	8.62	84.8	
Q1240-01	MEG-OIL	41	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

(B 13448)

WorkList Name : %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-01	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-03	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-05	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-07	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-01	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-03	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-05	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-07	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-09	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-11	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-13	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-15	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-17	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-19	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-01	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-03	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-05	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-07	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-09	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-11	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-13	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO

Date/Time 01/30/25 1520

Raw Sample Received by: SB WC)

Raw Sample Relinquished by: CJSM

Date/Time 01/30/25 1711

Raw Sample Received by: CF SB

Raw Sample Relinquished by: SB WC)

WORKLIST(Hardcopy Internal Chain)

JB 134481

WorkList Name : %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-15	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-17	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-19	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-01	WIPE-1	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-02	WIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-01	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-03	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-05	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-07	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-01	HL6PX1	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-02	HL6PX2	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-03	HL6PX3	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-04	HL6PX4	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-05	HL6PX5	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-06	HL6PX6	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-01	286	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-04	348	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-07	RBR22266	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-10	357	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1240-01	MEG-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO

Date/Time 01/30/25 1512.0

Raw Sample Received by: JB WdC

Raw Sample Relinquished by: CF SM

Date/Time 01/30/25 1710

Raw Sample Received by: CF SM

Raw Sample Relinquished by: JB WdC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166359

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	01/30/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/30/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP24123
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2579
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Hexane	N/A	E3872
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1218-01,1219-01 Limited volume used as samples are Oily matrix.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/30/25	RP (Ext Labs)	Y-P PESTHPLC
11:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

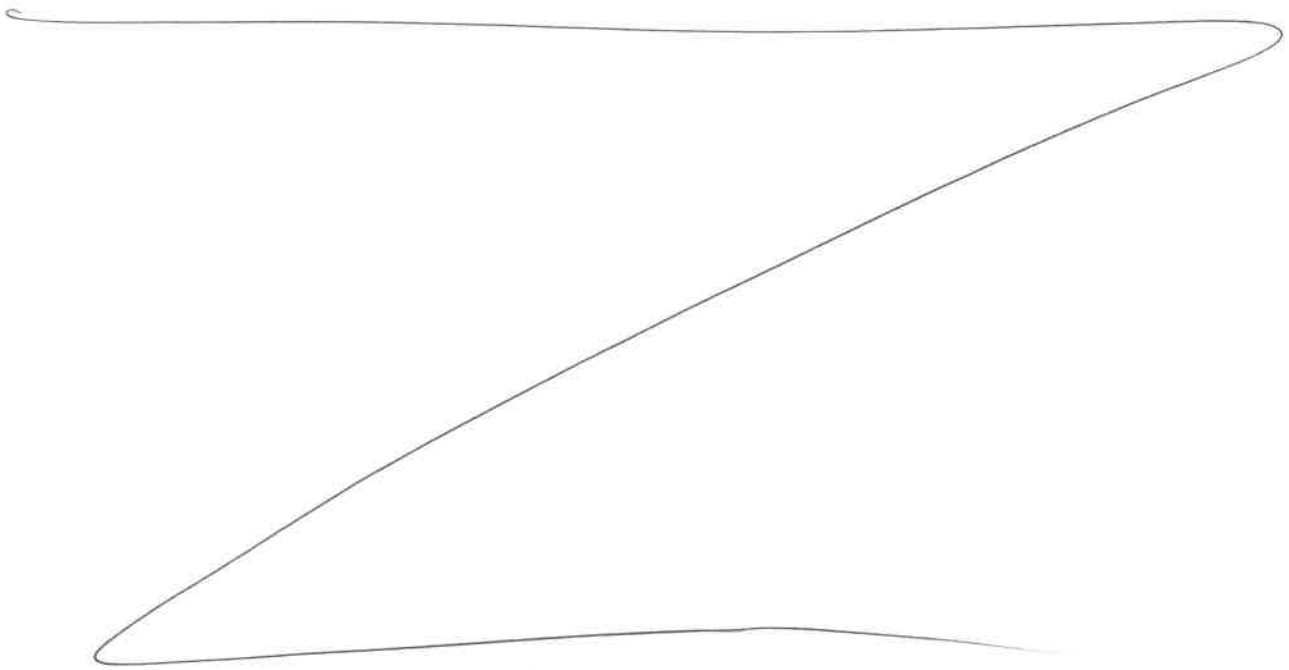
EXTRACTION LOGPAGE

PrepBatch ID : PB166359

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166359BL	PBLK359	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB166359BS	PLCS359	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1215-03	JPP-29.1-012825	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		3
Q1215-03MS	JPP-29.1-012825MS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		4
Q1215-03MSD	JPP-29.1-012825MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		5
Q1215-07	JPP-29.2-012825	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		6
Q1216-03	JPP-18.1-012825	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		U4-1
Q1216-07	JPP-21.1-012825	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		2
Q1216-11	JPP-21.2-012825	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		3
Q1216-15	JPP-26.1-012825	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		4
Q1216-19	JPP-26.2-012825	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		5
Q1218-01	BELL-25-002	Pesticide-TCL	5.06	N/A	ritesh	Evelyn	10	E	Oily Debris	6
Q1219-01	LAW-25-0015	Pesticide-TCL	5.09	N/A	ritesh	Evelyn	10	E	Oily Debris	U2-1
Q1220-01	TR-06-01292025	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		2
Q1221-01	CHESTNUT-CONCRETE	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B	Concrete	3



* **Extracts relinquished on the same date as received.**

1/2025

8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1215PEST **WorkList ID :** 187282 **Department :** Extraction **Date :** 01-30-2025 08:26:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-03	JPP-29.1-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1215-07	JPP-29.2-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1216-03	JPP-18.1-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1216-07	JPP-21.1-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1216-11	JPP-21.2-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1216-15	JPP-26.1-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B
Q1216-19	JPP-26.2-012825	Solid	Pesticide-TCL	Cool 4 deg C	RUTW01	E11	01/28/2025	8081B

Date/Time 01/30/25 8:27
Raw Sample Received by: RJ (Set lost)
Raw Sample Relinquished by: JD (SM)

Date/Time 01/30/25 9:00
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Set lost)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1220 **WorkList ID :** 187273 **Department :** Extraction **Date :** 01-30-2025 08:05:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1218-01	BELL-25-002	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N41	01/29/2025	8081B
Q1219-01	LAW-25-0015	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N41	01/29/2025	8081B
Q1220-01	TR-06-01292025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	N41	01/29/2025	8081B
Q1221-01	CHESTNUT-CONCRETE	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N41	01/29/2025	8081B

Date/Time 01/30/25 8:27
Raw Sample Received by: RJ (Set log)
Raw Sample Relinquished by: JD (SM)

Date/Time 01/30/25 9:00
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Set log)

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Prep Standard - Chemical Standard Summary

Order ID : Q1215

Test : Pesticide-TCL

Prepbatch ID : PB166359,

Sequence ID/Qc Batch ID: pl013025,pl013125,

Standard ID :
EP2579,EP2580,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24091,PP24095,PP24123,

Chemical ID :
E2865,E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3872,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2579	01/06/2025	06/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3847 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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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)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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	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	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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	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	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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 RB on 7/24/23 E3551

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_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 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_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

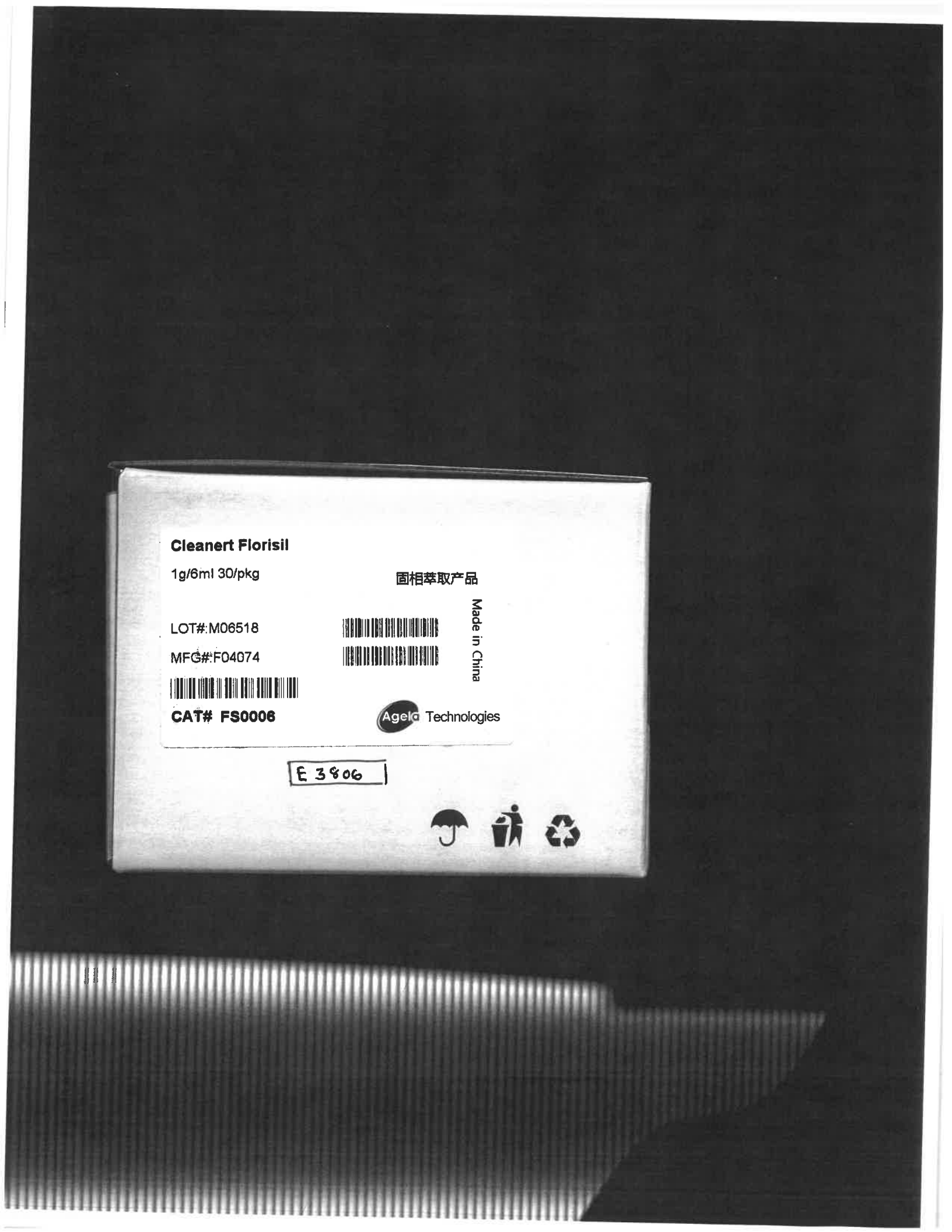
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Agela Technologies
Made in China
E3806

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_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 1/29/25

E3872

Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11892 ↓ P 11896 (5)

06/17/2022

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

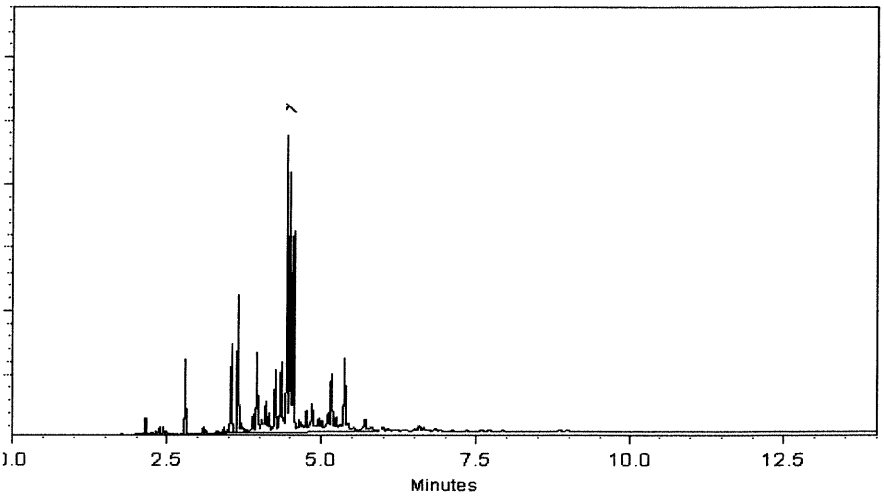
Carrier Gas:
helium-constant pressure 20 psi.

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

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11892 | (5)
↓
P 11896
1

06/17/2022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

P130397 } 5
↓
P130431

12.26.2023

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

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 5
↓
P13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

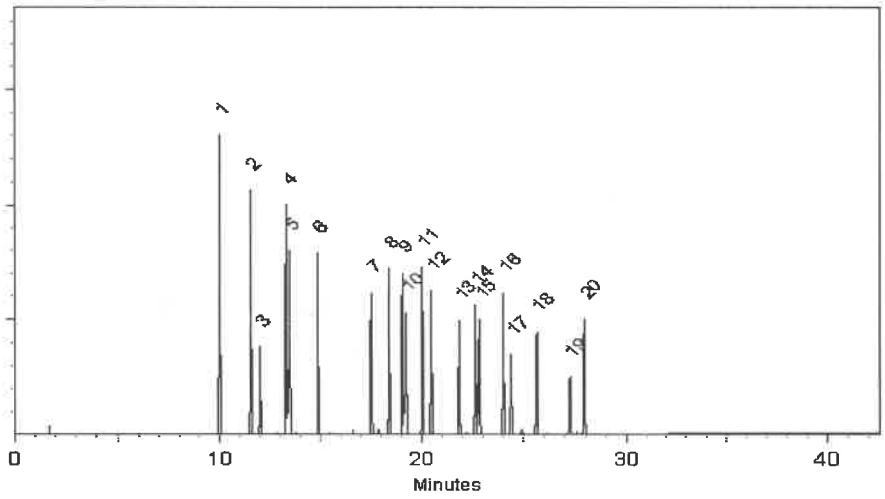
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

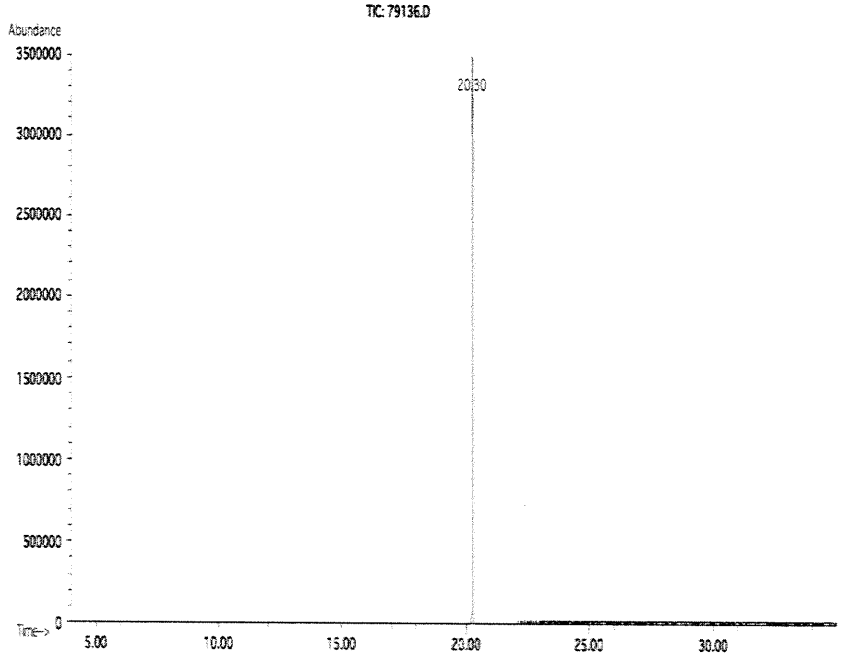
Solvent(s): **Lot#**
Acetone 81025

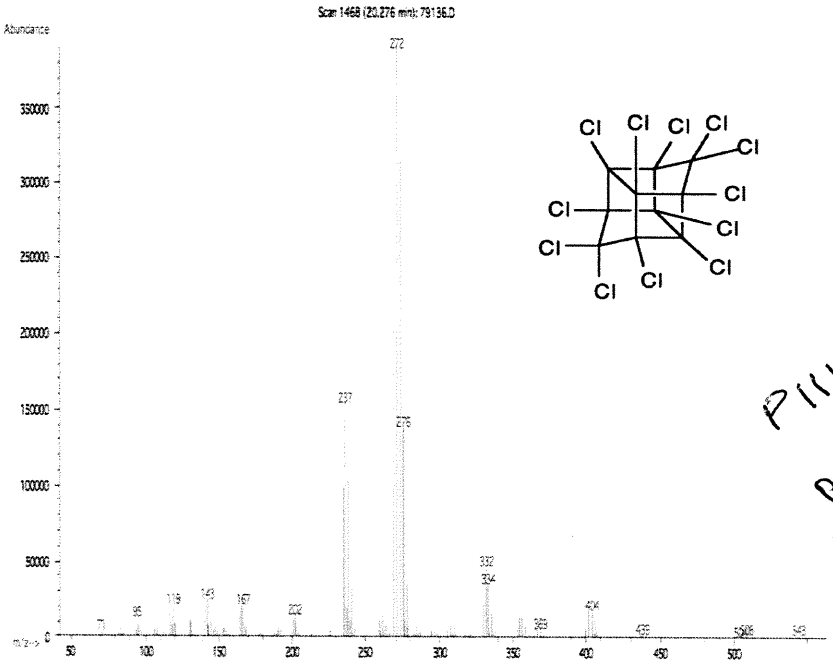
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821
Formulated By: Eli Aliaga	DATE
Pedro Rentas	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	orl-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 certifed (+/-) 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).**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P 13034 } 5
↓
P 13038

12.26.2023

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

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) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

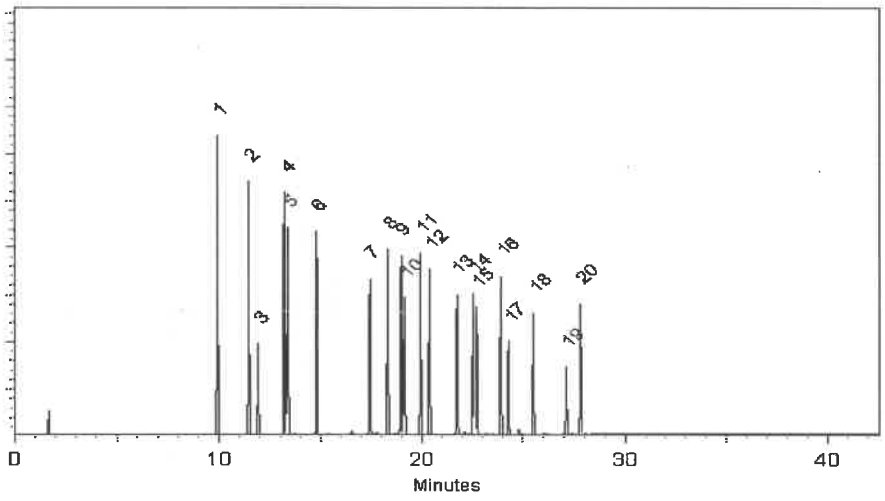
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

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 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 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)	orl-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)	orl-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	orl-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)	orl-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	orl-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	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P13348 → P13357 (10)

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

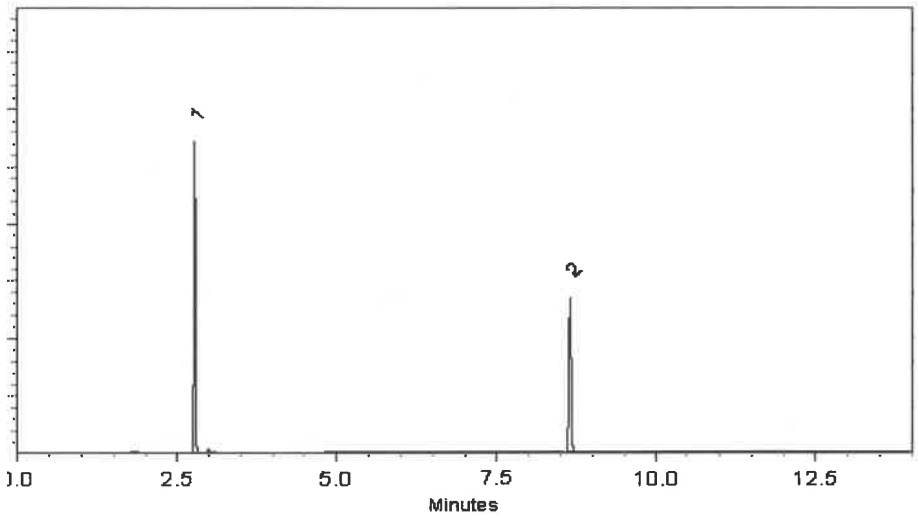
Inj. Temp:
250°C

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 (10)

↓

P13357

04/25/2025

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P13348 → P13357 (10)

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

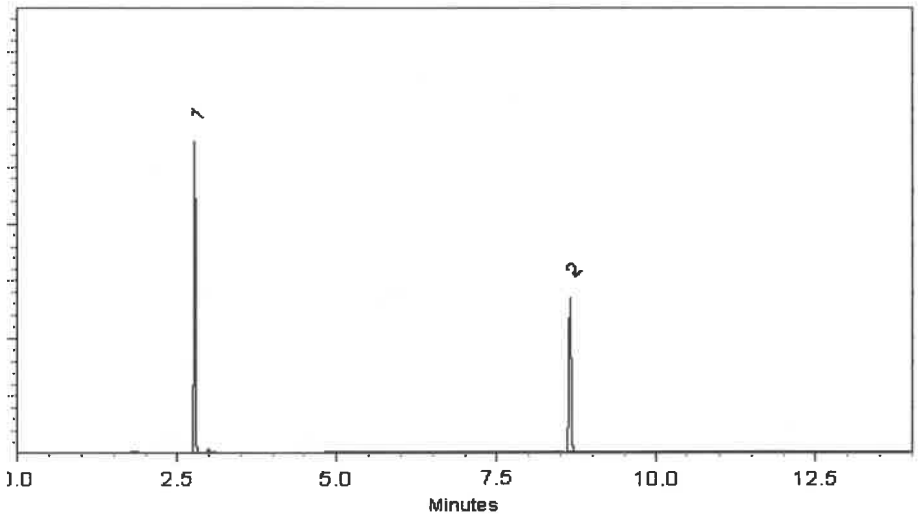
Inj. Temp:
250°C

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 (10)

↓

P13357

04/25/2025

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P13348 → P13357 (10)

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

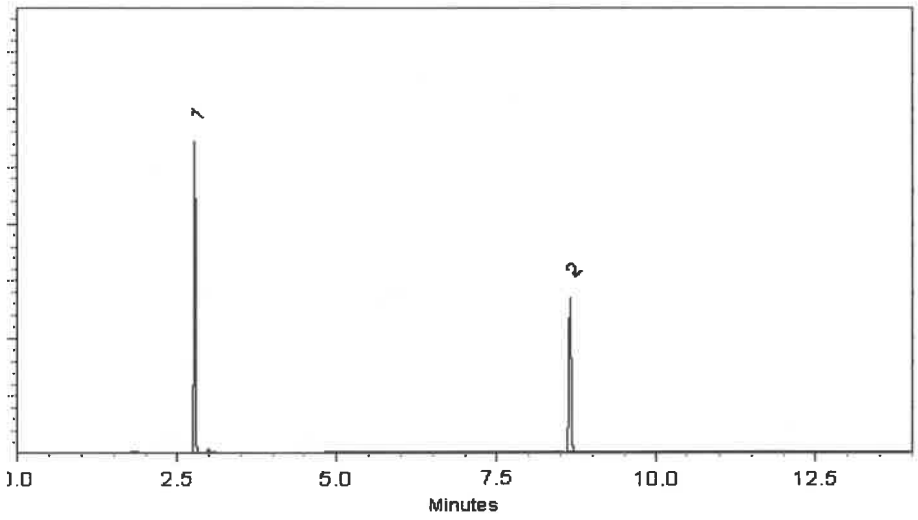
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

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Certificate #3222.02

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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. : 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%

P13358 (12)
↓
P13369

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.)

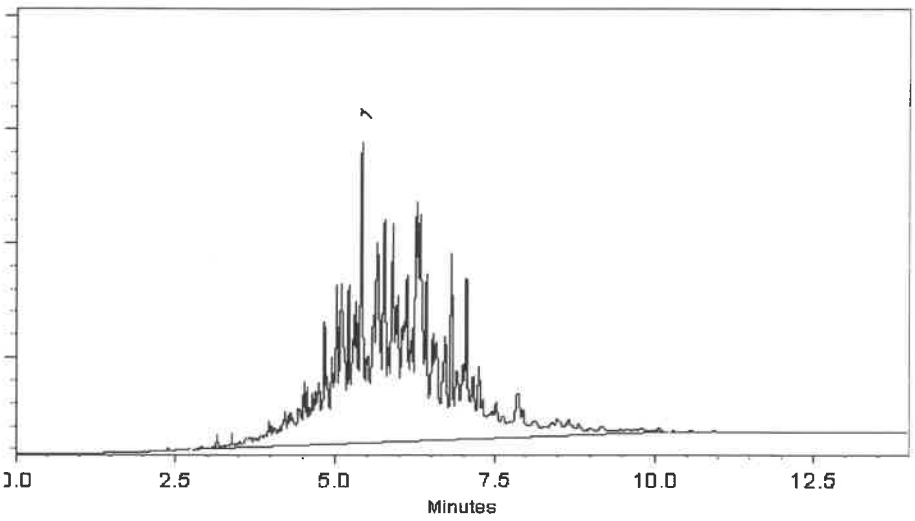
Inj. Temp:
250°C

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)

P13369

05-06-2024

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane

CAS # 110-54-3

Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
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.)

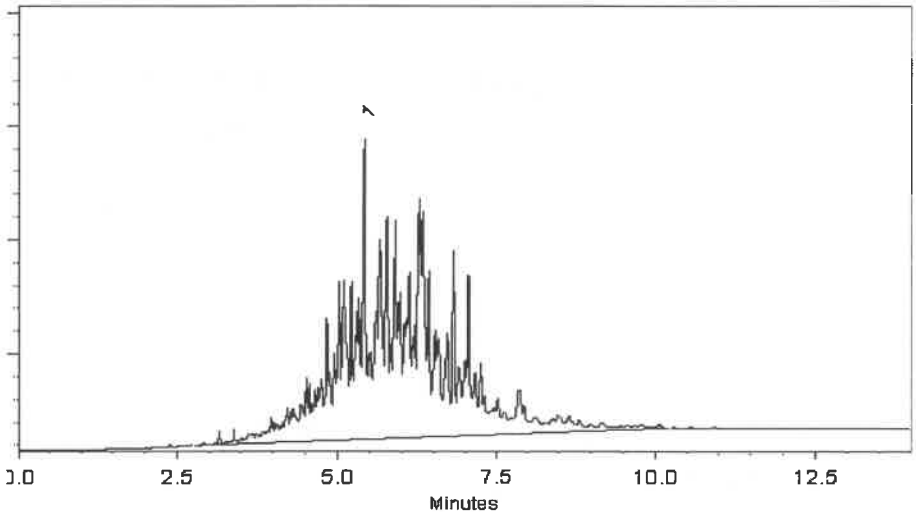
Inj. Temp:
250°C

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1215
QUOTE NO.
COC Number 2041067

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY: ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as Company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOC + TICs MTBE, TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	JPP-29.1-012825	Soil		G	1/28/25	14:26	3	X	X	X						
2.	JPP-29.1-012825	Soil	C		1/28/25	14:30	7			X	X	X	X	X	X	X
3.	JPP-29.2-012825	Soil		G	1/28/25	15:15	3	X	X	X						
4.	JPP-29.2-012825	Soil	C		1/28/25	15:22	7			X	X	X	X	X	X	X
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1/29/2025	1. 1045 1-29-25
2.		2.
3.	DATE/TIME: 1614 1-29-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: Preserve extra sample jar if additional analysis is Required

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1215 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/29/2025 11:20:00 AM
Project Name : ~~SANDTWOBR BMCR Bro~~
Receive DateTime : 1/29/2025 4:14:00 PM
Purchase Order :

YG
02/03/25
NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1215-01	JPP-29.1-012825	Solid	01/28/2025	14:26					
					VOCMS Group1		8260D		10 Bus. Days
Q1215-05	JPP-29.2-012825	Solid	01/28/2025	15:15					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1-29-25 1700

Samples in Sm Frig @ 1700.

Received By :
Date / Time : 1-29-25 17:00

Storage Area : VOA Refridgerator Room

left stored rc