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Cover Page

Order ID : Q1421

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q1421-01	P001-CLAY-CF01-01
Q1421-02	Q1421-01MS
Q1421-03	Q1421-01MSD
Q1421-04	P001-CLAY-CF01-01
Q1421-05	Q1421-04MS
Q1421-06	Q1421-04MSD
Q1421-07	P001-CLAY-CF01-02
Q1421-08	P001-CLAY-CF01-02
Q1421-09	P001-CLAY-CF02-01
Q1421-10	P001-CLAY-CF02-01

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: 3/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1421
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 02/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. 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 met the requirements .

E. Additional Comments:

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

For samples # P001-CLAY-CF01-01, compound #4 below Method detection limits, therefore it is not reported as Hit in Form-1.

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F. Calculation for Concentration in Soil samples:

Concentration ug/Kg (Dry weight basis) = $\frac{(Ax)\ (Vt)\ (DF)\ (GPC)}{(CF)\ (Vi)\ (Ws)\ (D)}$

Where,
Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = $\frac{\%\ \text{dry weight or } 100 - \%\text{Moisture}}{100}$

GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vin = Volume of extract loaded onto GPC column.
Vout = Volume of extract collected after GPC cleanup.
DF = Dilution Factor

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: Q1421 MATRIX: Solid

METHOD: 8081B/3541

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

For samples # P001-CLAY-CF01-01, compound #4 below Method detection limits,

therefore it is not reported as Hit in Form-1.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1421**

	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: **NILESH PRAJAPATI** **Date:** **03/07/2025**

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LAB CHRONICLE

OrderID:	Q1421	**OrderDate:**	2/24/2025 2:56:42 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1421-01	**P001-CLAY-CF01-01**	**SOIL**			**02/24/25**			**02/24/25**
			PCB	8082A		02/25/25	02/25/25	
			Pesticide-TCL	8081B		02/25/25	02/25/25	
			EPH	NJEPH		02/27/25	02/28/25	
Q1421-04	**P001-CLAY-CF01-01**	**WATER**			**02/24/25**			**02/24/25**
			SPLP PCB	8082A		02/27/25	02/27/25	
			SPLP Pesticide	8081B		02/27/25	02/27/25	
			EPH	NJEPH		02/26/25	02/27/25	
Q1421-05	**P001-CLAY-CF01-01MS**	**Water**			**02/24/25**			**02/24/25**
			EPH	NJEPH		02/26/25	02/27/25	
Q1421-06	**P001-CLAY-CF01-01MSD**	**Water**			**02/24/25**			**02/24/25**
			EPH	NJEPH		02/26/25	02/27/25	
Q1421-07	**P001-CLAY-CF01-02**	**SOIL**			**02/24/25**			**02/24/25**
			PCB	8082A		02/25/25	02/25/25	
			Pesticide-TCL	8081B		02/25/25	02/25/25	
			EPH	NJEPH		02/27/25	02/28/25	
Q1421-08	**P001-CLAY-CF01-02**	**WATER**			**02/24/25**			**02/24/25**
			SPLP PCB	8082A		02/27/25	02/27/25	
			SPLP Pesticide	8081B		02/27/25	02/27/25	
			EPH	NJEPH		02/26/25	02/27/25	
Q1421-08RE	**P001-CLAY-CF01-02RE**	**WATER**			**02/24/25**			**02/24/25**
			SPLP Pesticide	8081B		02/27/25	02/28/25	
Q1421-09	**P001-CLAY-CF02-01**	**SOIL**			**02/24/25**			**02/24/25**

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LAB CHRONICLE

			PCB	8082A		02/25/25	02/25/25
			Pesticide-TCL	8081B		02/25/25	02/25/25
			EPH	NJEPH		02/27/25	02/28/25
Q1421-10	**P001-CLAY-CF02-01**	**Water**			**02/24/25**		**02/24/25**
			EPH	NJEPH		02/26/25	02/27/25
			SPLP PCB	8082A		02/27/25	02/27/25
			SPLP Pesticide	8081B		02/27/25	02/27/25

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Hit Summary Sheet
SW-846

SDG No.: Q1421 **Order ID:** Q1421

Client: Weston Solutions, Inc. **Project ID:** RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC
SUMMARY

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Surrogate Summary

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL094323.D	PIBLK-PL094323.D	Decachlorobiphenyl	1	20	24.7	123		43	140
		Tetrachloro-m-xylene	1	20	23.3	116		77	126
		Decachlorobiphenyl	2	20	23.6	118		43	140
		Tetrachloro-m-xylene	2	20	22.8	114		77	126
I.BLK-PL094385.D	PIBLK-PL094385.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	22.9	114		77	126
		Decachlorobiphenyl	2	20	21.0	105		43	140
		Tetrachloro-m-xylene	2	20	22.8	114		77	126
PB166855BL	PB166855BL	Decachlorobiphenyl	1	20	23.3	116		20	144
		Tetrachloro-m-xylene	1	20	21.5	107		19	148
		Decachlorobiphenyl	2	20	21.0	105		20	144
		Tetrachloro-m-xylene	2	20	21.4	107		19	148
PB166855BS	PB166855BS	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	20.5	102		19	148
		Decachlorobiphenyl	2	20	19.3	97		20	144
		Tetrachloro-m-xylene	2	20	19.7	99		19	148
Q1421-01	P001-CLAY-CF01-01	Decachlorobiphenyl	1	20	18.4	92		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	13.0	65		20	144
		Tetrachloro-m-xylene	2	20	20.5	102		19	148
Q1421-02MS	P001-CLAY-CF01-01MS	Decachlorobiphenyl	1	20	19.4	97		20	144
		Tetrachloro-m-xylene	1	20	20.5	102		19	148
		Decachlorobiphenyl	2	20	15.2	76		20	144
		Tetrachloro-m-xylene	2	20	19.5	98		19	148
Q1421-03MSD	P001-CLAY-CF01-01MSD	Decachlorobiphenyl	1	20	19.3	96		20	144
		Tetrachloro-m-xylene	1	20	21.6	108		19	148
		Decachlorobiphenyl	2	20	15.1	75		20	144
		Tetrachloro-m-xylene	2	20	19.6	98		19	148
Q1421-07	P001-CLAY-CF01-02	Decachlorobiphenyl	1	20	21.4	107		20	144
		Tetrachloro-m-xylene	1	20	25.6	128		19	148
		Decachlorobiphenyl	2	20	17.4	87		20	144
		Tetrachloro-m-xylene	2	20	25.9	130		19	148
Q1421-09	P001-CLAY-CF02-01	Decachlorobiphenyl	1	20	22.5	112		20	144
		Tetrachloro-m-xylene	1	20	25.8	129		19	148
		Decachlorobiphenyl	2	20	19.6	98		20	144
		Tetrachloro-m-xylene	2	20	26.4	132		19	148
I.BLK-PL094397.D	PIBLK-PL094397.D	Decachlorobiphenyl	1	20	22.3	112		43	140
		Tetrachloro-m-xylene	1	20	23.1	115		77	126
		Decachlorobiphenyl	2	20	20.4	102		43	140
		Tetrachloro-m-xylene	2	20	23.4	117		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8081B **DataFile :** PL094393.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**P001-CLAY-CF01-01MS**											
Q1421-02MS	alpha-BHC	23.66	0	23.9	ug/kg	101				60	144	
	beta-BHC	23.66	0	24.5	ug/kg	104				54	143	
	delta-BHC	23.66	0	23.9	ug/kg	101				29	151	
	gamma-BHC (Lindane)	23.66	0	23.3	ug/kg	98				61	140	
	Heptachlor	23.66	0	25.0	ug/kg	106				63	135	
	Aldrin	23.66	0	23.0	ug/kg	97				49	139	
	Heptachlor epoxide	23.66	0	23.6	ug/kg	100				41	156	
	Endosulfan I	23.66	0	24.0	ug/kg	101				56	142	
	Dieldrin	23.66	0	23.6	ug/kg	100				47	161	
	4,4'-DDE	23.66	0	24.1	ug/kg	102				55	136	
	Endrin	23.66	0	26.4	ug/kg	112				57	139	
	Endosulfan II	23.66	0	24.5	ug/kg	104				40	163	
	4,4'-DDD	23.66	0	26.7	ug/kg	113				47	163	
	Endosulfan sulfate	23.66	0	23.2	ug/kg	98				62	139	
	4,4'-DDT	23.66	0	23.2	ug/kg	98				51	146	
	Methoxychlor	23.66	0	22.6	ug/kg	96				54	136	
	Endrin ketone	23.66	0	22.8	ug/kg	96				60	129	
	Endrin aldehyde	23.66	0	22.0	ug/kg	93				59	132	
	alpha-Chlordane	23.66	0	23.9	ug/kg	101				39	166	
	gamma-Chlordane	23.66	0	24.1	ug/kg	102				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8081B **DataFile :** PL094394.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**P001-CLAY-CF01-01MSD**											
Q1421-03MSD	alpha-BHC	23.68	0	24.0	ug/kg	101		0		60	144	20
	beta-BHC	23.68	0	25.5	ug/kg	108		4		54	143	20
	delta-BHC	23.68	0	23.6	ug/kg	100		1		29	151	20
	gamma-BHC (Lindane)	23.68	0	23.6	ug/kg	100		2		61	140	20
	Heptachlor	23.68	0	24.0	ug/kg	101		5		63	135	20
	Aldrin	23.68	0	23.4	ug/kg	99		2		49	139	20
	Heptachlor epoxide	23.68	0	23.8	ug/kg	101		1		41	156	20
	Endosulfan I	23.68	0	24.3	ug/kg	103		2		56	142	20
	Dieldrin	23.68	0	24.1	ug/kg	102		2		47	161	20
	4,4'-DDE	23.68	0	24.7	ug/kg	104		2		55	136	20
	Endrin	23.68	0	27.2	ug/kg	115		3		57	139	20
	Endosulfan II	23.68	0	24.6	ug/kg	104		0		40	163	20
	4,4'-DDD	23.68	0	27.2	ug/kg	115		2		47	163	20
	Endosulfan sulfate	23.68	0	23.6	ug/kg	100		2		62	139	20
	4,4'-DDT	23.68	0	24.0	ug/kg	101		3		51	146	20
	Methoxychlor	23.68	0	22.6	ug/kg	95		1		54	136	20
	Endrin ketone	23.68	0	23.8	ug/kg	101		5		60	129	20
	Endrin aldehyde	23.68	0	23.2	ug/kg	98		5		59	132	20
	alpha-Chlordane	23.68	0	24.3	ug/kg	103		2		39	166	20
	gamma-Chlordane	23.68	0	24.5	ug/kg	103		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8081B **Datafile :** PL094389.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166855BS	alpha-BHC	16.65	16.4	ug/kg	98				84	123	
	beta-BHC	16.65	17.0	ug/kg	102				82	123	
	delta-BHC	16.65	16.0	ug/kg	96				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	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.65	16.8	ug/kg	101				83	120	
	Endosulfan I	16.65	17.2	ug/kg	103				81	124	
	Dieldrin	16.65	17.2	ug/kg	103				85	121	
	4,4'-DDE	16.65	17.5	ug/kg	105				81	123	
	Endrin	16.65	18.0	ug/kg	108				76	130	
	Endosulfan II	16.65	18.1	ug/kg	109				80	125	
	4,4'-DDD	16.65	19.3	ug/kg	116				80	131	
	Endosulfan sulfate	16.65	17.4	ug/kg	105				81	122	
	4,4'-DDT	16.65	16.9	ug/kg	102				70	129	
	Methoxychlor	16.65	15.8	ug/kg	95				60	119	
	Endrin ketone	16.65	18.2	ug/kg	109				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	17.0	ug/kg	102				84	120	
	gamma-Chlordane	16.65	17.3	ug/kg	104				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166855BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab Sample ID: PB166855BL Lab File ID: PL094388.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/25/2025

Date Analyzed (1): 02/25/2025 Date Analyzed (2): 02/25/2025

Time Analyzed (1): 13:29 Time Analyzed (2): 13:29

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
PB166855BS	PB166855BS	PL094389.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01	Q1421-01	PL094392.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MS	Q1421-02MS	PL094393.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MSD	Q1421-03MSD	PL094394.D	02/25/2025	02/25/2025
P001-CLAY-CF01-02	Q1421-07	PL094395.D	02/25/2025	02/25/2025
P001-CLAY-CF02-01	Q1421-09	PL094396.D	02/25/2025	02/25/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PL094392.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094392.D	1	02/25/25 09:03	02/25/25 14:31	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.26	U	0.26	2.40	ug/kg
319-85-7	beta-BHC	0.70	U	0.70	2.40	ug/kg
319-86-8	delta-BHC	0.67	U	0.67	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	0.27	U	0.27	2.40	ug/kg
76-44-8	Heptachlor	0.24	U	0.24	2.40	ug/kg
309-00-2	Aldrin	0.20	U	0.20	2.40	ug/kg
1024-57-3	Heptachlor epoxide	0.33	U	0.33	2.40	ug/kg
959-98-8	Endosulfan I	0.24	U	0.24	2.40	ug/kg
60-57-1	Dieldrin	0.21	U	0.21	2.40	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.40	ug/kg
72-20-8	Endrin	0.23	U	0.23	2.40	ug/kg
33213-65-9	Endosulfan II	0.43	U	0.43	2.40	ug/kg
72-54-8	4,4-DDD	0.27	U	0.27	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	0.18	U	0.18	2.40	ug/kg
50-29-3	4,4-DDT	0.24	U	0.24	2.40	ug/kg
72-43-5	Methoxychlor	0.54	U	0.54	2.40	ug/kg
53494-70-5	Endrin ketone	0.31	U	0.31	2.40	ug/kg
7421-93-4	Endrin aldehyde	0.55	U	0.55	2.40	ug/kg
5103-71-9	alpha-Chlordane	0.24	U	0.24	2.40	ug/kg
5103-74-2	gamma-Chlordane	0.27	U	0.27	2.40	ug/kg
8001-35-2	Toxaphene	7.40	U	7.40	46.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4		20 - 144	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		19 - 148	103%	SPK: 20

Raw Data: **PL094392.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094392.D	1	02/25/25 09:03	02/25/25 14:31	PB166855

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: **PL094392.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:31
Operator : AR\AJ
Sample : Q1421-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:10:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	2.772	52336782	65357171	20.612	20.481
28)	SA Decachlor...	9.054	7.907	39246100	49997499	18.449	13.001 #
	Target Compounds						
4)	MA Heptachlor	4.915	3.939	1328568	2207358	0.392m	0.468m

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

Sample Results: **PL094392.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:31
Operator : AR\AJ
Sample : Q1421-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

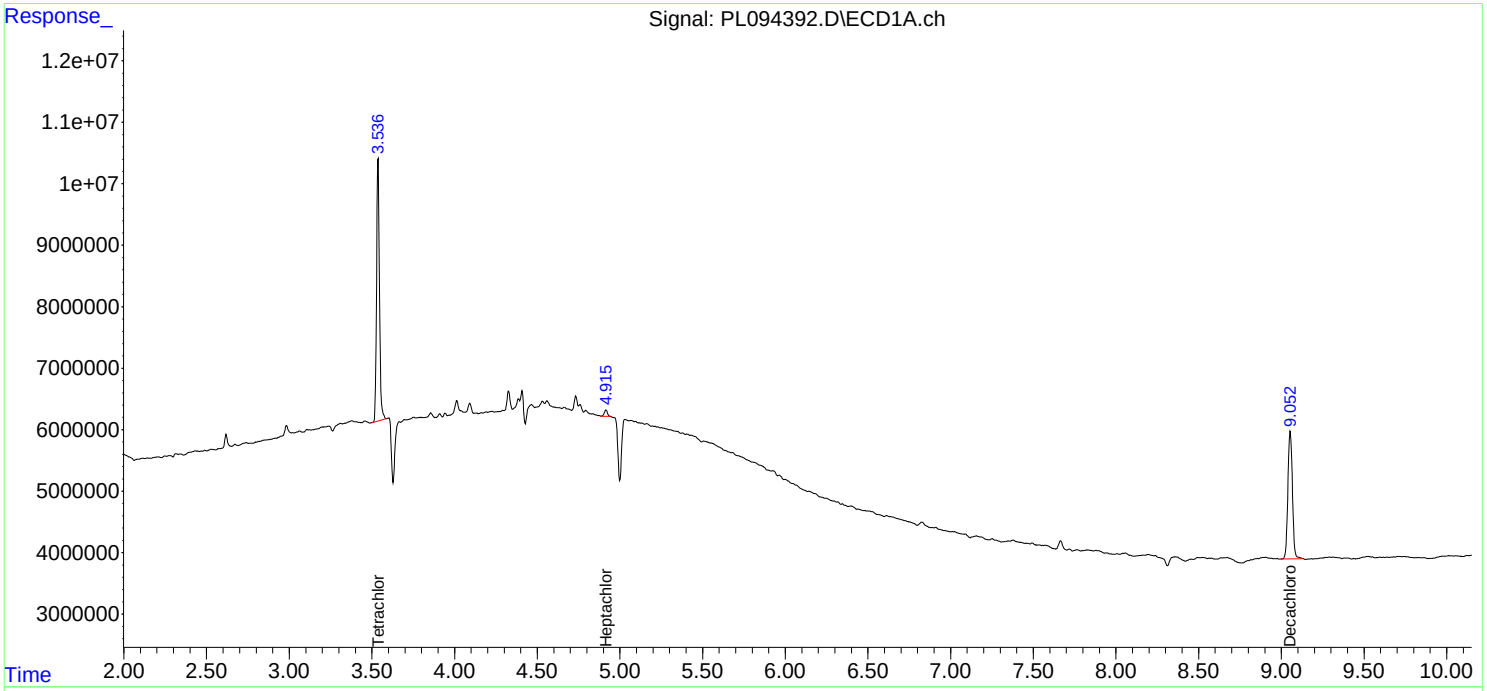
Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01

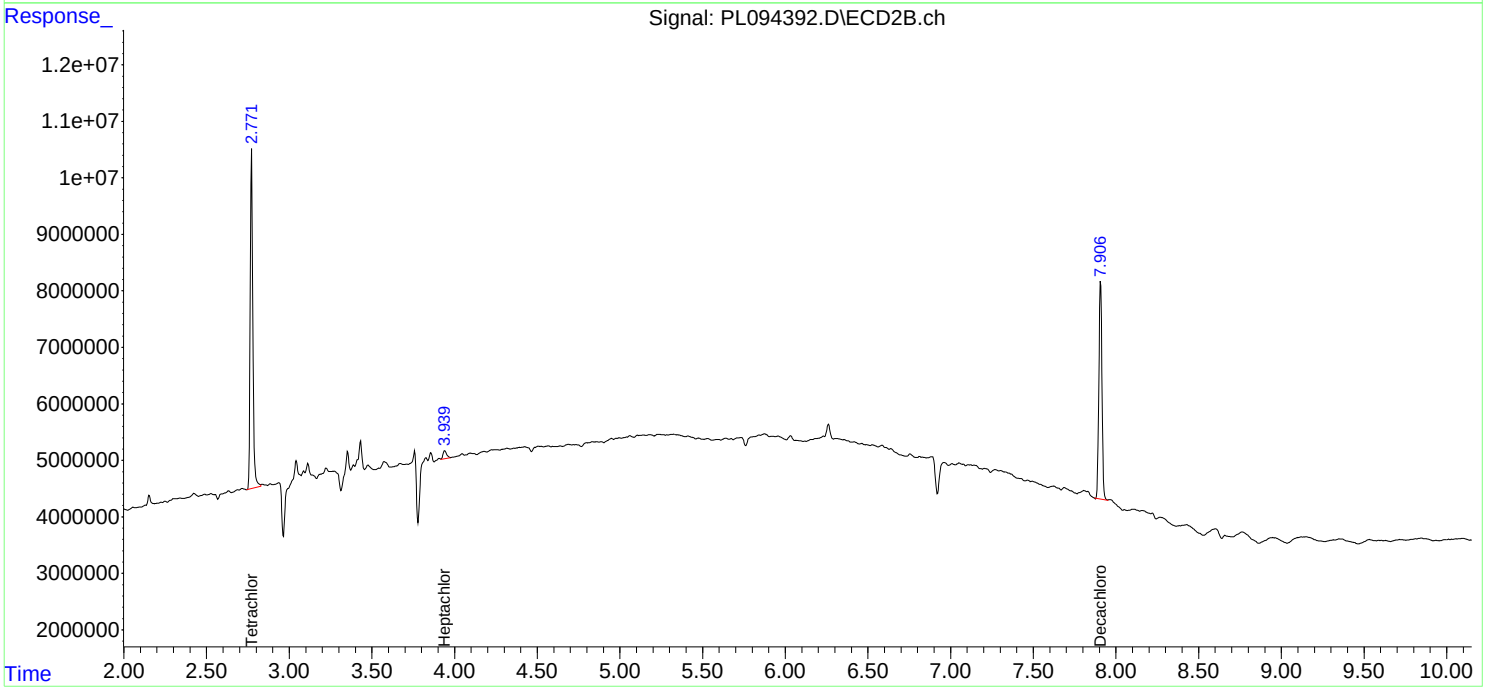
Manual Integrations APPROVED

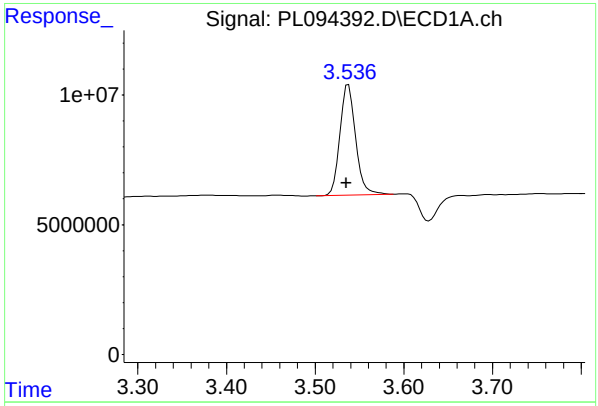
Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:10:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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.: 0.003 min
Response: 52336782
Conc: 20.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
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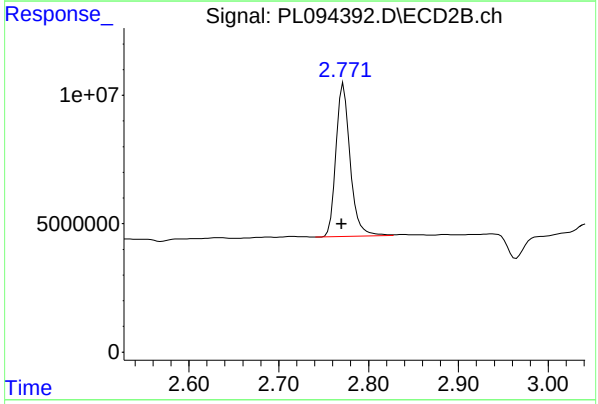
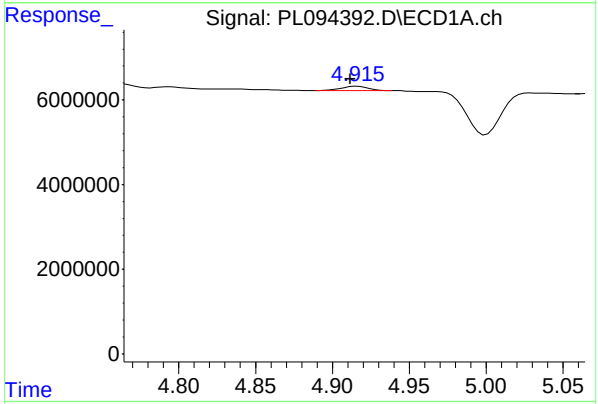


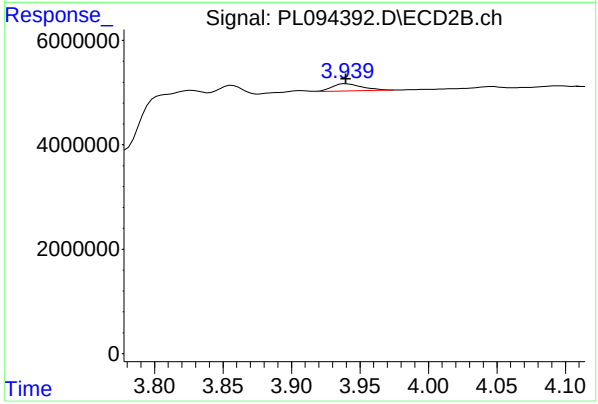
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.002 min
Response: 65357171
Conc: 20.48 ng/ml



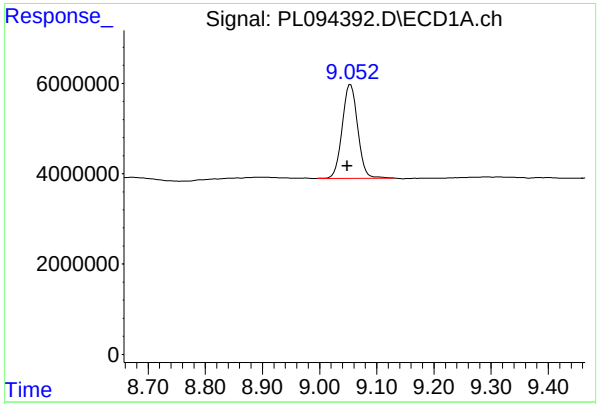
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.003 min
Response: 1328568
Conc: 0.39 ng/ml m



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.001 min
Response: 2207358
Conc: 0.47 ng/ml m



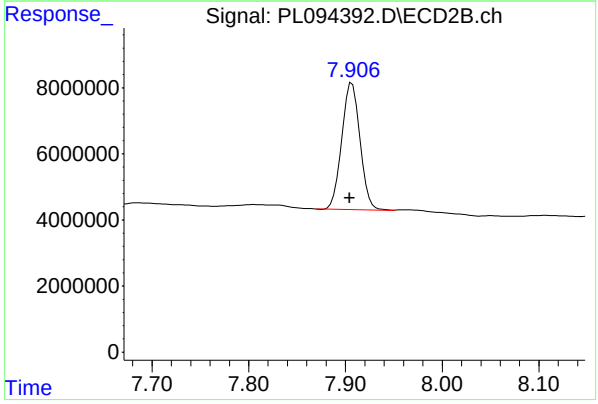
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.005 min
Response: 39246100
Conc: 18.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.003 min
Response: 49997499
Conc: 13.00 ng/ml

Raw Data: **PL094395.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	75.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094395.D	1	02/25/25 09:03	02/25/25 15:11	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.24	U	0.24	2.30	ug/kg
319-85-7	beta-BHC	0.65	U	0.65	2.30	ug/kg
319-86-8	delta-BHC	0.62	U	0.62	2.30	ug/kg
58-89-9	gamma-BHC (Lindane)	0.25	U	0.25	2.30	ug/kg
76-44-8	Heptachlor	0.23	U	0.23	2.30	ug/kg
309-00-2	Aldrin	0.19	U	0.19	2.30	ug/kg
1024-57-3	Heptachlor epoxide	0.31	U	0.31	2.30	ug/kg
959-98-8	Endosulfan I	0.23	U	0.23	2.30	ug/kg
60-57-1	Dieldrin	0.20	U	0.20	2.30	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.30	ug/kg
72-20-8	Endrin	0.21	U	0.21	2.30	ug/kg
33213-65-9	Endosulfan II	0.40	U	0.40	2.30	ug/kg
72-54-8	4,4-DDD	0.25	U	0.25	2.30	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.30	ug/kg
50-29-3	4,4-DDT	0.23	U	0.23	2.30	ug/kg
72-43-5	Methoxychlor	0.50	U	0.50	2.30	ug/kg
53494-70-5	Endrin ketone	0.29	U	0.29	2.30	ug/kg
7421-93-4	Endrin aldehyde	0.52	U	0.52	2.30	ug/kg
5103-71-9	alpha-Chlordane	0.23	U	0.23	2.30	ug/kg
5103-74-2	gamma-Chlordane	0.25	U	0.25	2.30	ug/kg
8001-35-2	Toxaphene	6.90	U	6.90	43.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		20 - 144	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.9		19 - 148	130%	SPK: 20

Raw Data: **PL094395.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	75.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094395.D	1	02/25/25 09:03	02/25/25 15:11	PB166855

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: **PL094395.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:11
Operator : AR\AJ
Sample : Q1421-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:11:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.535	2.771	65108272	82794438	25.642m	25.945
28)	SA Decachlor...	9.052	7.906	45475524	66943264	21.377	17.408
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:11
Operator : AR\AJ
Sample : Q1421-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

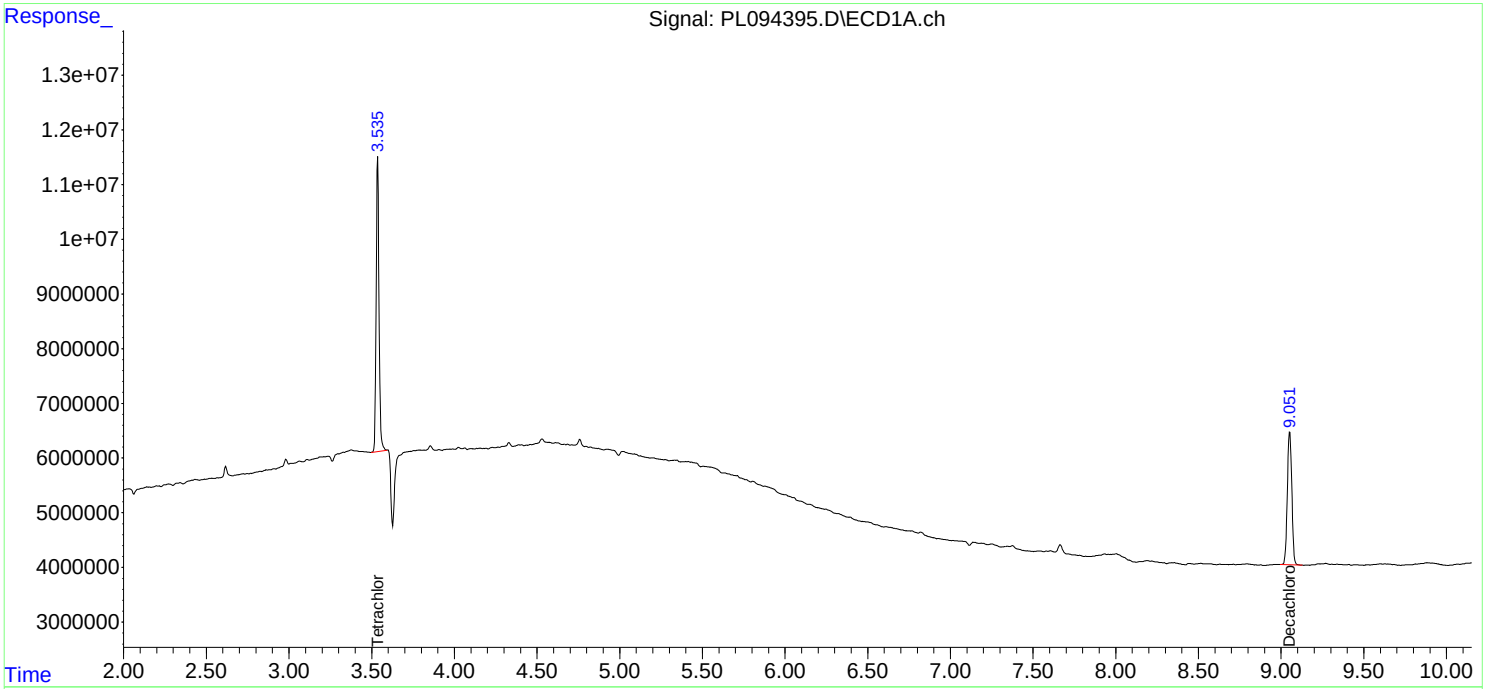
Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-02

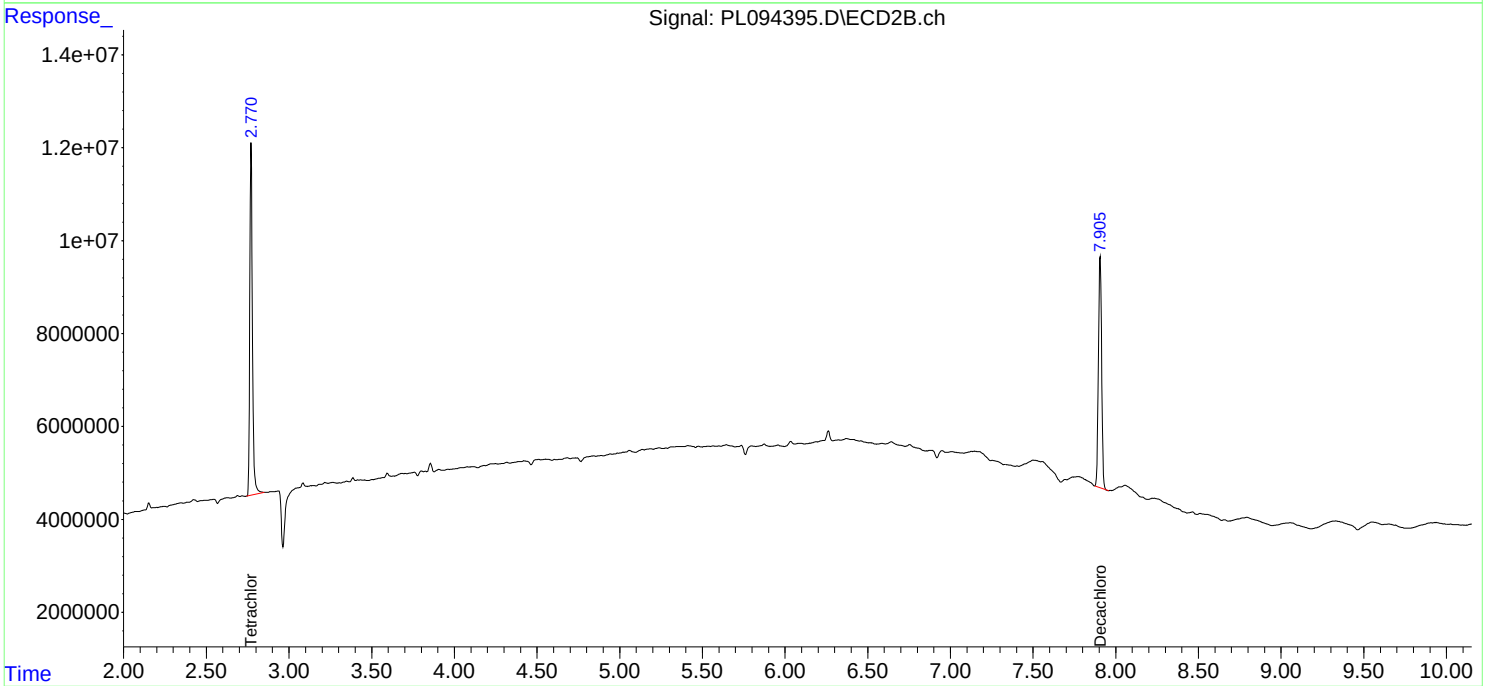
Manual Integrations APPROVED

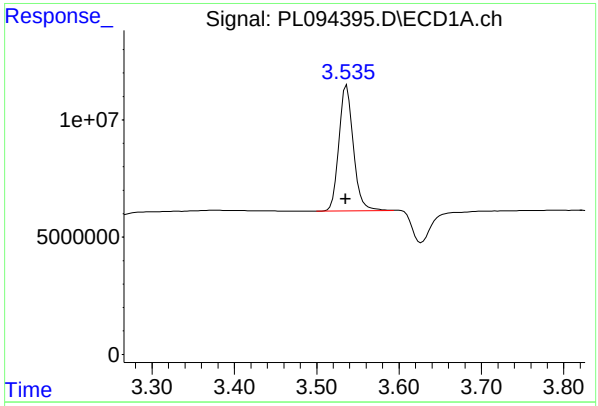
Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:11:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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







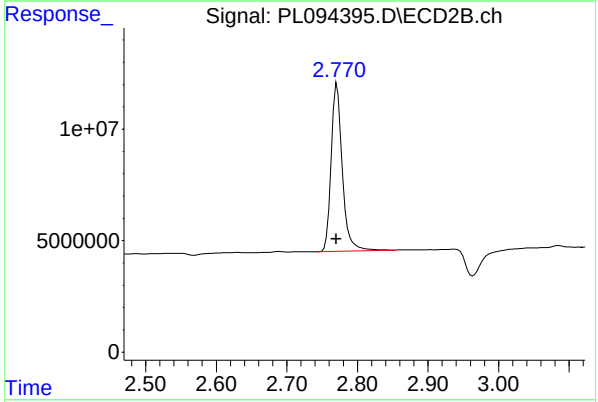
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 mi
Response: 65108272
Conc: 25.64 ng/m

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-02

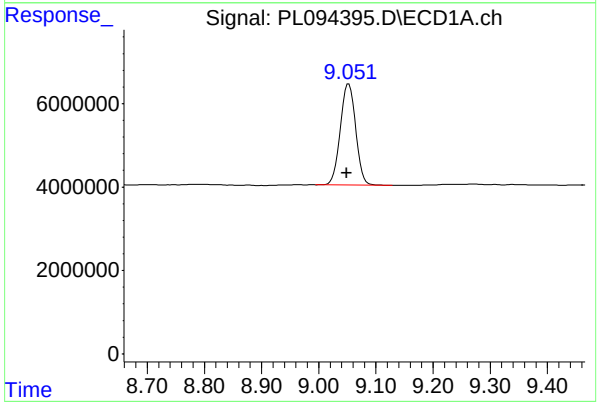
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



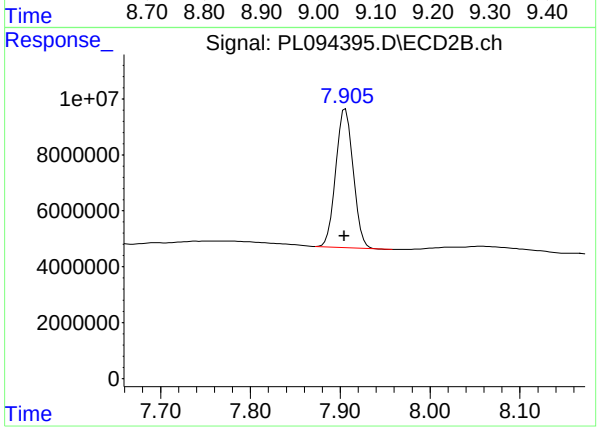
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.001 min
Response: 82794438
Conc: 25.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.003 min
Response: 45475524
Conc: 21.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.002 min
Response: 66943264
Conc: 17.41 ng/ml

Raw Data: **PL094396.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.4 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
PL094396.D	1	02/25/25 09:03	02/25/25 15:25	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.23	U	0.23	2.20	ug/kg
319-85-7	beta-BHC	0.62	U	0.62	2.20	ug/kg
319-86-8	delta-BHC	0.60	U	0.60	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.24	U	0.24	2.20	ug/kg
76-44-8	Heptachlor	0.22	U	0.22	2.20	ug/kg
309-00-2	Aldrin	0.18	U	0.18	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.29	U	0.29	2.20	ug/kg
959-98-8	Endosulfan I	0.22	U	0.22	2.20	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.20	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.20	ug/kg
72-20-8	Endrin	0.20	U	0.20	2.20	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.38	2.20	ug/kg
72-54-8	4,4-DDD	0.24	U	0.24	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.22	U	0.22	2.20	ug/kg
72-43-5	Methoxychlor	0.48	U	0.48	2.20	ug/kg
53494-70-5	Endrin ketone	0.28	U	0.28	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.50	U	0.50	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.22	U	0.22	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.24	U	0.24	2.20	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	42.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		20 - 144	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.4		19 - 148	132%	SPK: 20

Raw Data: **PL094396.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.4 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
PL094396.D	1	02/25/25 09:03	02/25/25 15:25	PB166855

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: **PL094396.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:25
Operator : AR\AJ
Sample : Q1421-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF02-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:12:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.535	2.771	65445829	84310261	25.775m	26.420
28)	SA Decachlor...	9.053	7.905	47831801	75390125	22.485	19.604
	Target Compounds						

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

Sample Results: **PL094396.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:25
Operator : AR\AJ
Sample : Q1421-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

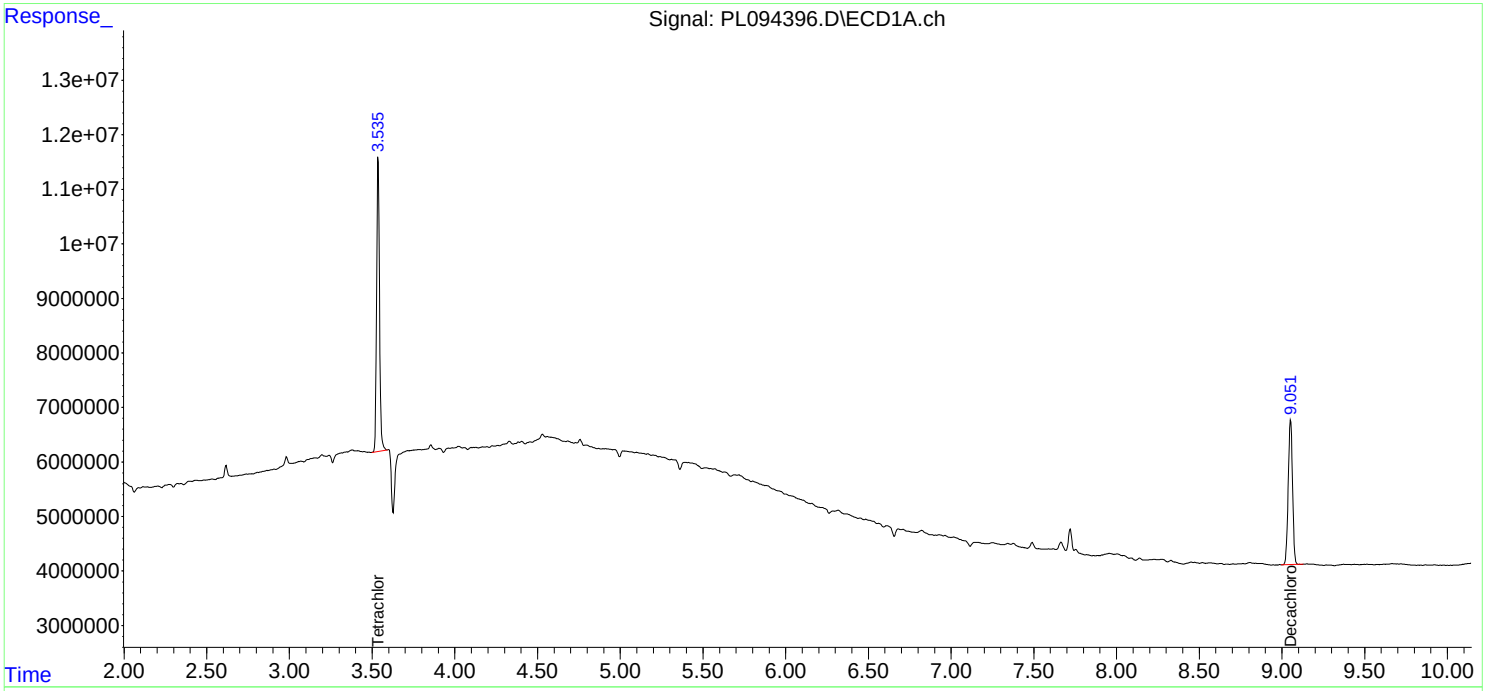
Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF02-01

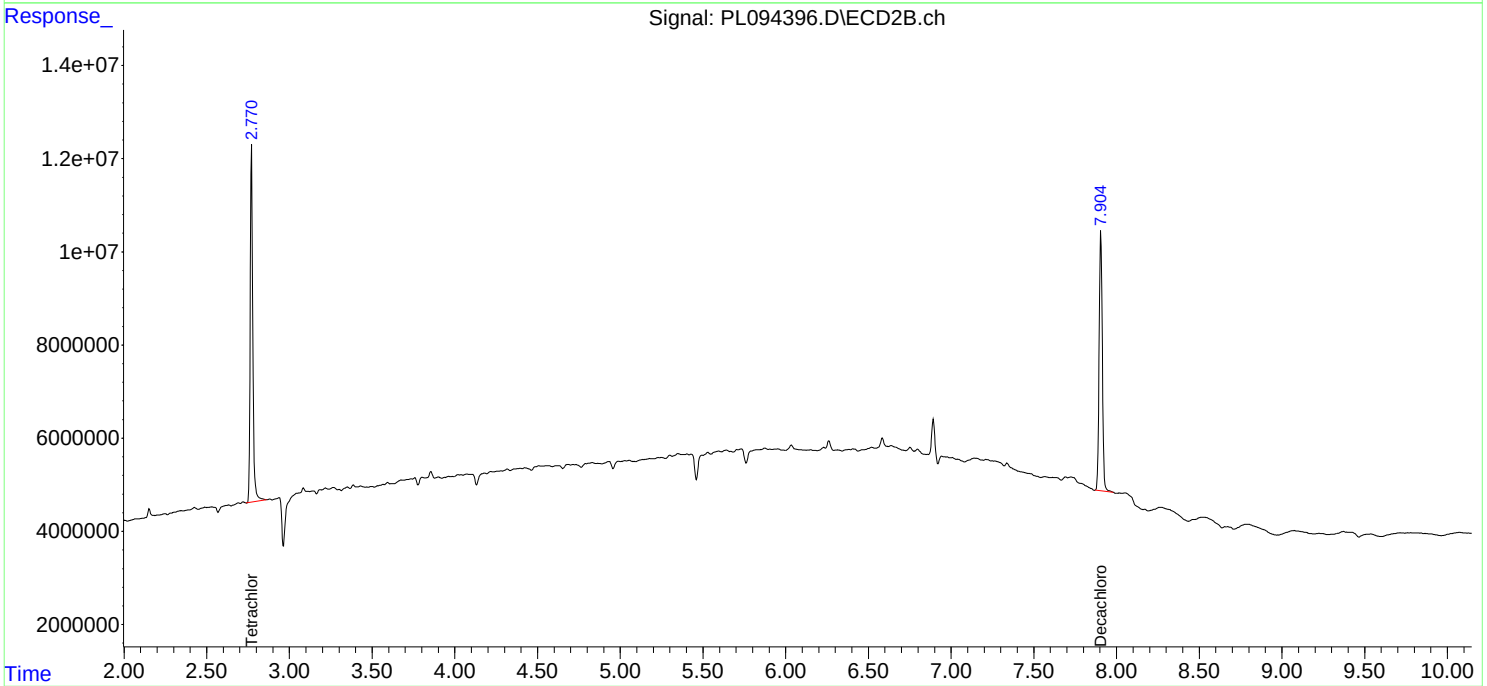
Manual Integrations APPROVED

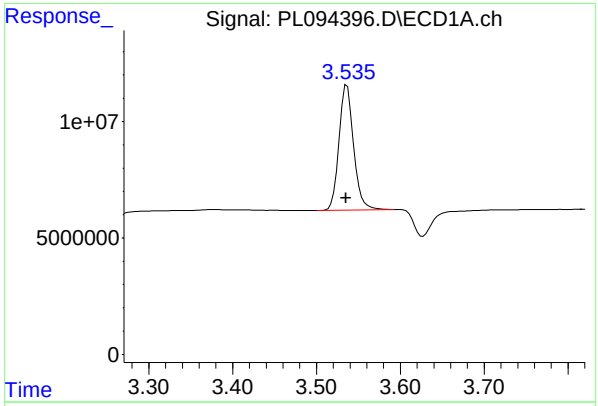
Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:12:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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







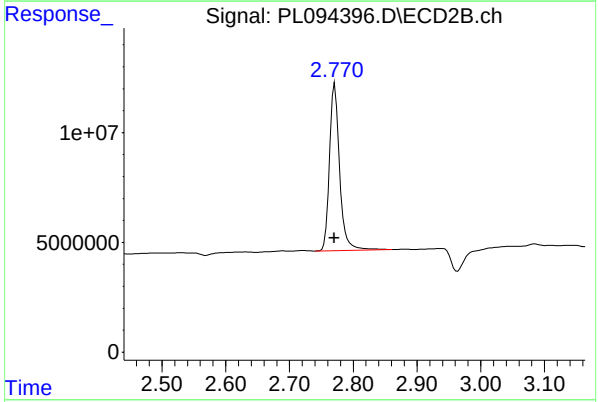
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 mi
Response: 65445829
Conc: 25.78 ng/m

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF02-01

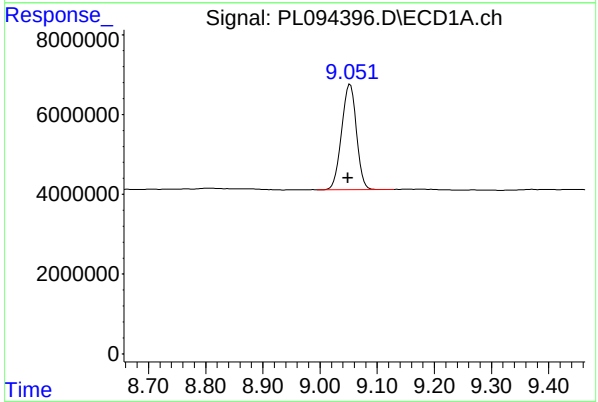
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



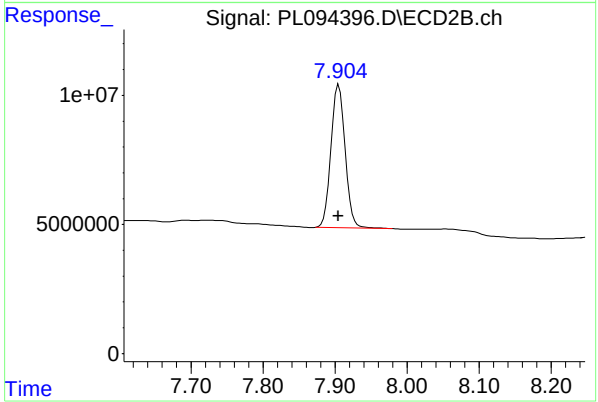
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 84310261
Conc: 26.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.004 min
Response: 47831801
Conc: 22.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 75390125
Conc: 19.60 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 10:56 11:51

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

LAB FILE ID: RT 100 = PL094326.D RT 075 = PL094327.D

RT 050 = PL094328.D RT 025 = PL094329.D RT 005 = PL094330.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	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.01	6.02	6.02	6.01	6.01	5.91	6.11
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
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	6.06	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	7.15	7.15	7.15	7.16	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	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)	4.32	4.32	4.32	4.33	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.91	4.91	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

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 10:56 11:51

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

LAB FILE ID: RT 100 = PL094326.D RT 075 = PL094327.D

RT 050 = PL094328.D RT 025 = PL094329.D RT 005 = PL094330.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.22	5.22	5.22	5.23	5.22	5.22	5.12	5.32
4,4'-DDT	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.22	4.22	4.22	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.27	3.27	3.27	3.27	3.27	3.27	3.17	3.37
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.90	3.90	3.90	3.90	3.90	3.90	3.80	4.00
Decachlorobiphenyl	7.90	7.90	7.90	7.91	7.90	7.90	7.80	8.00
delta-BHC	4.13	4.13	4.13	4.13	4.13	4.13	4.03	4.23
Dieldrin	5.36	5.35	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
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	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
Endrin aldehyde	6.11	6.10	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.83	6.83	6.83	6.84	6.83	6.83	6.73	6.93
gamma-BHC (Lindane)	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70
gamma-Chlordane	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Heptachlor	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.72	4.72	4.72	4.72	4.72	4.72	4.62	4.82
Methoxychlor	6.61	6.60	6.61	6.61	6.60	6.60	6.50	6.70
Tetrachloro-m-xylene	2.77	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,
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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L

Calibration Date(s): 02/21/2025 02/21/2025

Calibration Times: 10:56 11:51

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

LAB FILE ID: **CF 100 =** PL094326.D **CF 075 =** PL094327.D

CF 050 = PL094328.D **CF 025 =** PL094329.D **CF 005 =** PL094330.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1803580000	1795660000	1810310000	1935150000	1904070000	1849750000	4
4,4'-DDE	2493500000	2470740000	2506610000	2704950000	2882800000	2611720000	7
4,4'-DDT	1974760000	1979910000	2019710000	2146120000	2379640000	2100030000	8
Aldrin	3281770000	3217010000	3255180000	3477160000	3927610000	3431750000	9
alpha-BHC	3748810000	3649740000	3623010000	3780620000	4111130000	3782660000	5
alpha-Chlordane	2727770000	2693090000	2738980000	2936760000	3388830000	2897090000	10
beta-BHC	1501030000	1494420000	1485840000	1667440000	1835770000	1596900000	10
Decachlorobiphenyl	1933170000	1963230000	2030640000	2203310000	2505970000	2127260000	11
delta-BHC	3482300000	3394730000	3353250000	3521830000	3939260000	3538270000	7
Dieldrin	2692690000	2671770000	2693570000	2901890000	3285250000	2849030000	9
Endosulfan I	2547690000	2536030000	2605780000	2783760000	3269880000	2748630000	11
Endosulfan II	2275250000	2276760000	2334150000	2535820000	3164240000	2517240000	15
Endosulfan sulfate	2066530000	2082580000	2124320000	2325240000	2720550000	2263840000	12
Endrin	2293020000	2294250000	2335150000	2563130000	3275860000	2552280000	16
Endrin aldehyde	1783210000	1799570000	1847420000	2020050000	2283730000	1946800000	11
Endrin ketone	2341850000	2345380000	2389970000	2583410000	2873950000	2506910000	9
gamma-BHC (Lindane)	3636600000	3544540000	3535300000	3710470000	4046760000	3694740000	6
gamma-Chlordane	2749680000	2723950000	2753190000	2951510000	3502350000	2936140000	11
Heptachlor	3238030000	3195300000	3207600000	3444620000	3866240000	3390360000	8
Heptachlor epoxide	2854740000	2830940000	2868110000	3075040000	3438100000	3013390000	9
Methoxychlor	1034140000	1042330000	1072820000	1161190000	1244730000	1111040000	8
Tetrachloro-m-xylene	2440810000	2429970000	2443520000	2602410000	2778780000	2539100000	6

Raw Data

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L

Calibration Date(s): 02/21/2025 02/21/2025

Calibration Times: 10:56 11:51

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

LAB FILE ID: **CF 100 =** PL094326.D **CF 075 =** PL094327.D

CF 050 = PL094328.D **CF 025 =** PL094329.D **CF 005 =** PL094330.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3335160000	3215540000	3139450000	3166740000	3069690000	3185310000	3
4,4'-DDE	4281660000	4182440000	4118800000	4213820000	4203280000	4200000000	1
4,4'-DDT	3703100000	3584290000	3529700000	3537620000	3430330000	3557010000	3
Aldrin	4820710000	4668200000	4536250000	4555960000	4520730000	4620370000	3
alpha-BHC	5213240000	5010060000	4886090000	4788800000	4675760000	4914790000	4
alpha-Chlordane	4373480000	4258810000	4191540000	4303990000	4460210000	4317600000	2
beta-BHC	1965110000	1930080000	1919640000	1976280000	2153520000	1988920000	5
Decachlorobiphenyl	3675900000	3638830000	3681980000	3820210000	4411300000	3845640000	8
delta-BHC	5032580000	4845250000	4682410000	4626330000	4491990000	4735710000	4
Dieldrin	4518600000	4388970000	4327740000	4347710000	4325860000	4381780000	2
Endosulfan I	4036260000	3934540000	3904680000	3979590000	4077800000	3986580000	2
Endosulfan II	3796570000	3715310000	3681290000	3767040000	3737420000	3739530000	1
Endosulfan sulfate	3706520000	3626300000	3609280000	3706820000	3819330000	3693650000	2
Endrin	3538690000	3451940000	3434060000	3498850000	3100040000	3404720000	5
Endrin aldehyde	3123920000	3068890000	3064770000	3158970000	3385600000	3160430000	4
Endrin ketone	4300600000	4199470000	4213040000	4281500000	4343010000	4267520000	1
gamma-BHC (Lindane)	4983380000	4798550000	4658170000	4606370000	4503230000	4709940000	4
gamma-Chlordane	4438420000	4307340000	4231380000	4301670000	4415360000	4338830000	2
Heptachlor	4844080000	4715390000	4629500000	4679640000	4732940000	4720310000	2
Heptachlor epoxide	4316300000	4215090000	4165700000	4257130000	4322680000	4255380000	2
Methoxychlor	1924140000	1903960000	1935750000	2006380000	1984890000	1951030000	2
Tetrachloro-m-xylene	3209080000	3135420000	3127500000	3185970000	3297890000	3191170000	2

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L **Date(s) Analyzed:** 02/21/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.23	6.13	6.33	27502600
		2	6.44	6.34	6.54	15755600
		3	7.05	6.95	7.15	85691600
		4	7.15	7.05	7.25	64144500
		5	7.93	7.83	8.03	48033300

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Instrument ID: ECD_L **Date(s) Analyzed:** 02/21/2025 02/21/2025

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	27519700
		2	5.32	5.22	5.42	26638800
		3	5.68	5.58	5.78	28297800
		4	6.59	6.49	6.69	98473700
		5	7.03	6.93	7.13	90711700

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:56
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: Feb 21 11:49:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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	2.770	244.1E6	320.9E6	99.945	101.288
28)	SA Decachlor...	9.049	7.904	193.3E6	367.6E6	97.541	99.917
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	374.9E6	521.3E6	101.707	103.239
3)	MA gamma-BHC...	4.324	3.602	363.7E6	498.3E6	101.413	103.373
4)	MA Heptachlor	4.911	3.940	323.8E6	484.4E6	100.472	102.265
5)	MB Aldrin	5.253	4.219	328.2E6	482.1E6	100.407	103.040
6)	B beta-BHC	4.523	3.902	150.1E6	196.5E6	100.508	101.171
7)	B delta-BHC	4.769	4.131	348.2E6	503.3E6	101.888	103.604
8)	B Heptachlo...	5.679	4.722	285.5E6	431.6E6	99.766	101.776
9)	A Endosulfan I	6.065	5.092	254.8E6	403.6E6	98.873	101.657
10)	B gamma-Chl...	5.935	4.972	275.0E6	443.8E6	99.936	102.388
11)	B alpha-Chl...	6.015	5.036	272.8E6	437.3E6	99.795	102.124
12)	B 4,4'-DDE	6.189	5.224	249.4E6	428.2E6	99.738	101.939
13)	MA Dieldrin	6.340	5.355	269.3E6	451.9E6	99.984	102.158
14)	MA Endrin	6.570	5.631	229.3E6	353.9E6	99.090	101.501
15)	B Endosulfa...	6.790	5.926	227.5E6	379.7E6	98.722	101.542
16)	A 4,4'-DDD	6.706	5.779	180.4E6	333.5E6	99.814	103.023
17)	MA 4,4'-DDT	7.020	6.029	197.5E6	370.3E6	98.875	102.397
18)	B Endrin al...	6.921	6.105	178.3E6	312.4E6	98.232	100.956
19)	B Endosulfa...	7.154	6.328	206.7E6	370.7E6	98.621	101.329
20)	A Methoxychlor	7.496	6.605	103.4E6	192.4E6	98.164	99.699
21)	B Endrin ke...	7.640	6.833	234.2E6	430.1E6	98.983	101.028
22)	Mirex	8.112	7.013	185.1E6	336.6E6	97.670	99.535

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

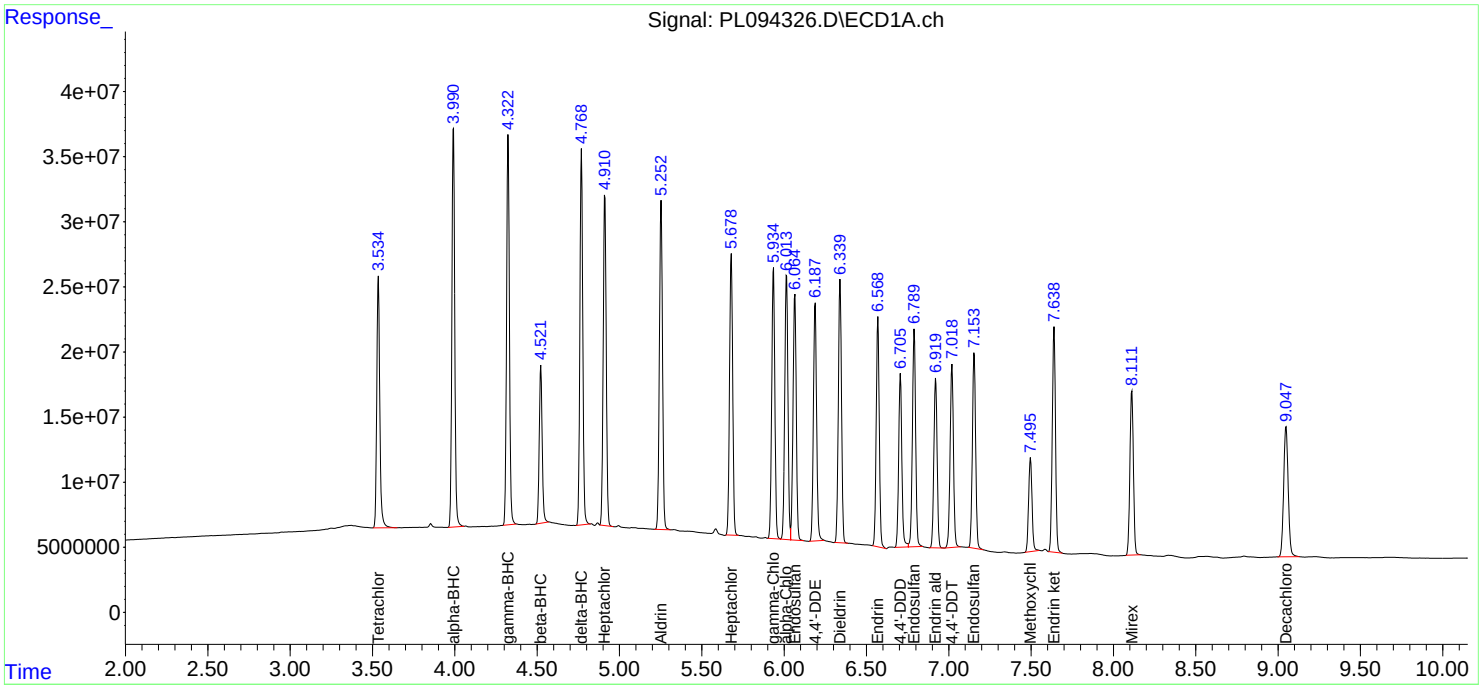
ICAL Form

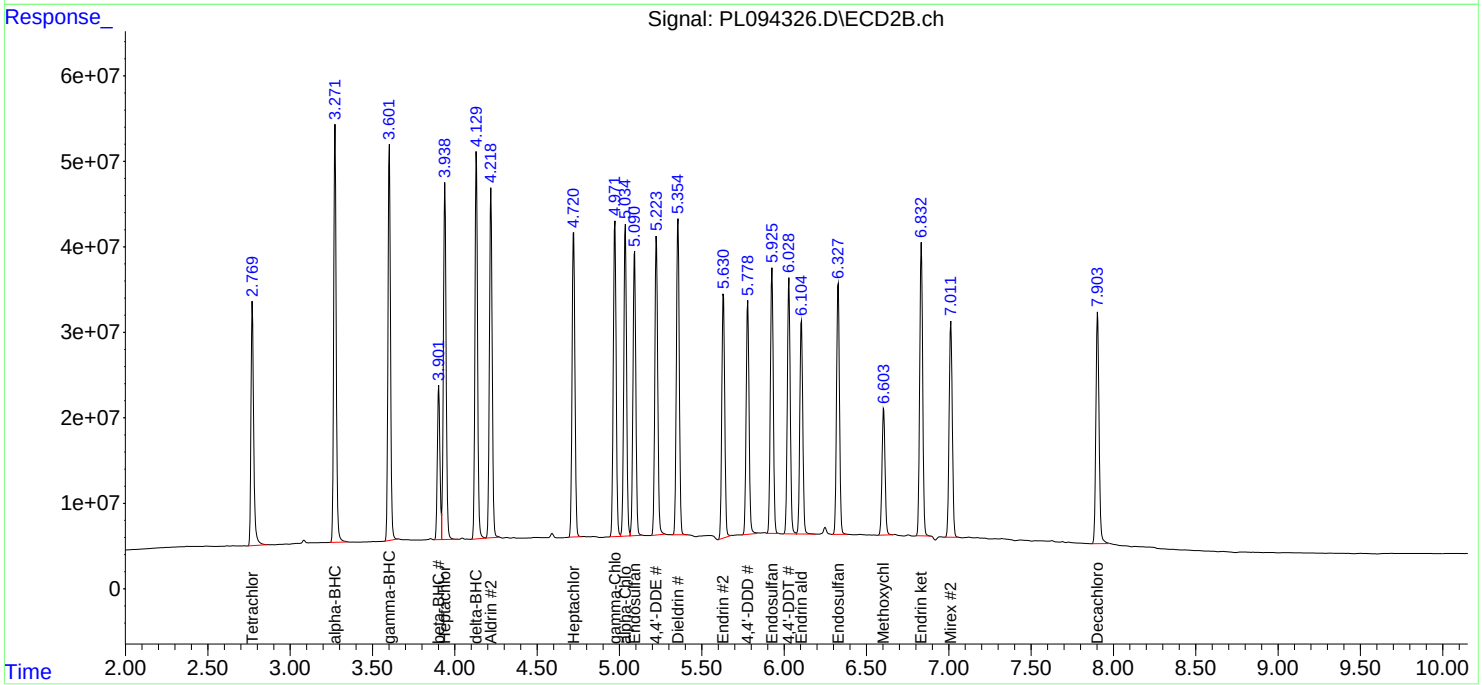
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:56
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

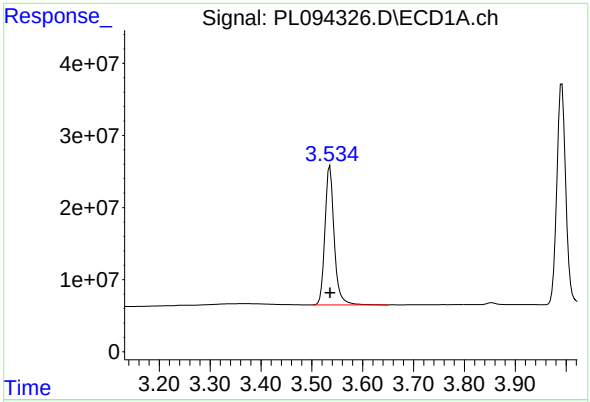
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:49:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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



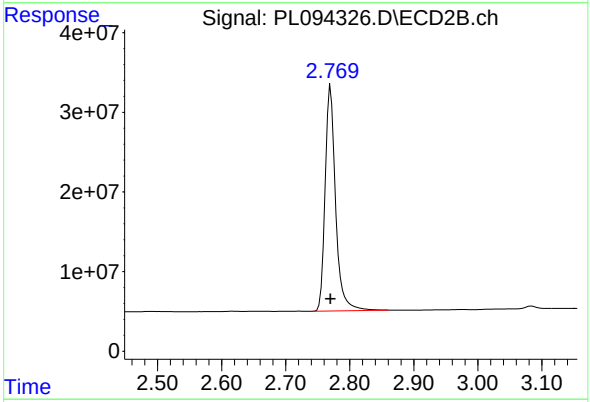




#1 Tetrachloro-m-xylene

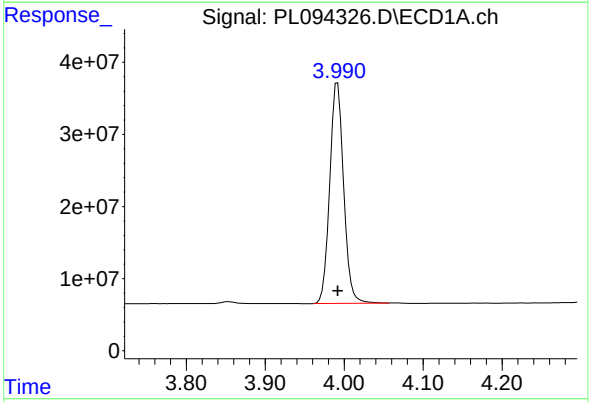
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 244080878
Conc: 99.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



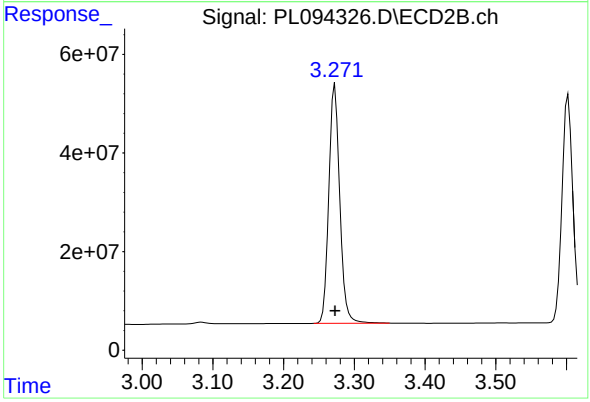
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 320908467
Conc: 101.29 ng/ml



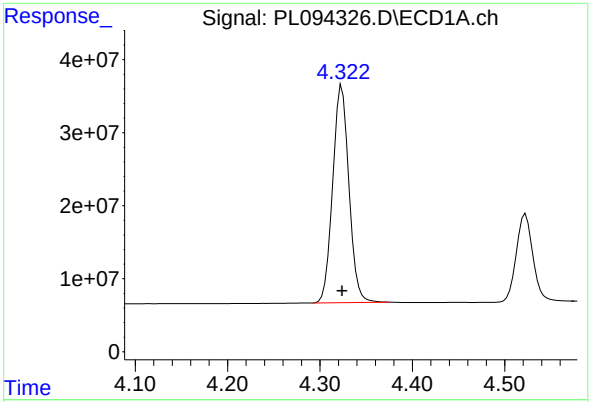
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 374881052
Conc: 101.71 ng/ml



#2 alpha-BHC

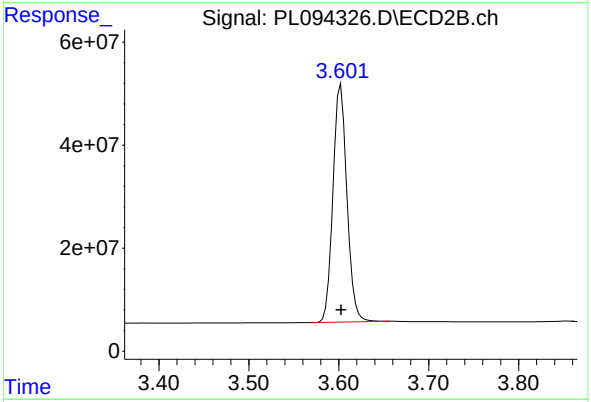
R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 521323563
Conc: 103.24 ng/ml



#3 gamma-BHC (Lindane)

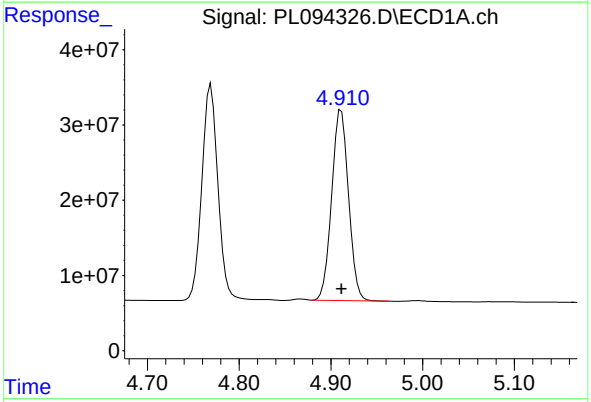
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 363660194
Conc: 101.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



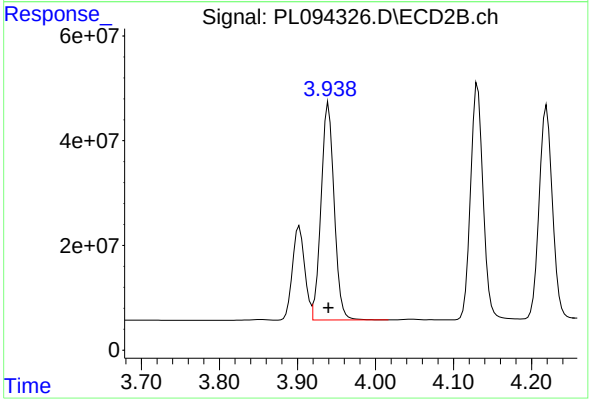
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: 0.000 min
Response: 498337501
Conc: 103.37 ng/ml



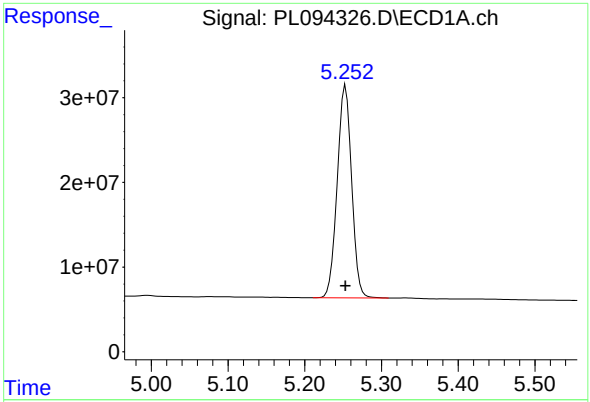
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: 0.000 min
Response: 323802563
Conc: 100.47 ng/ml



#4 Heptachlor

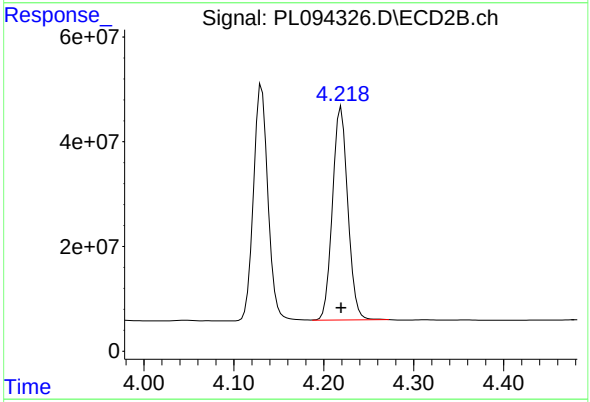
R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 484407832
Conc: 102.26 ng/ml



#5 Aldrin

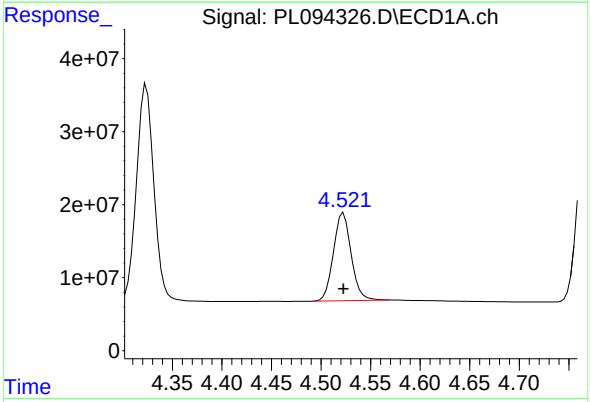
R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 328177434
Conc: 100.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



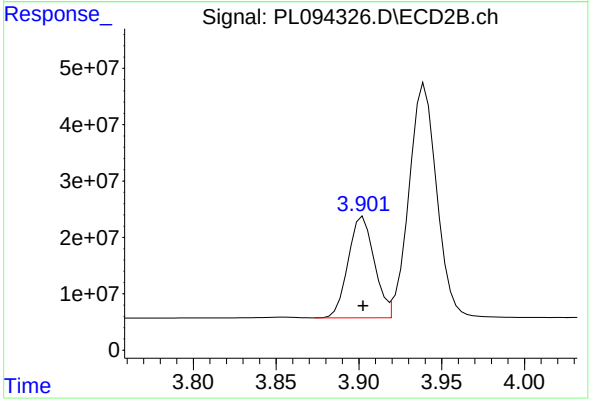
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: 0.000 min
Response: 482071476
Conc: 103.04 ng/ml



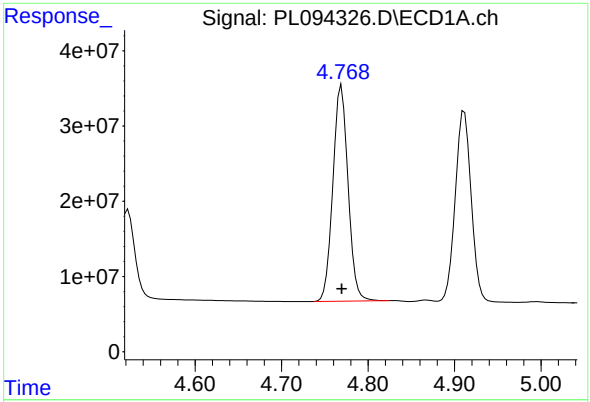
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 150102836
Conc: 100.51 ng/ml



#6 beta-BHC

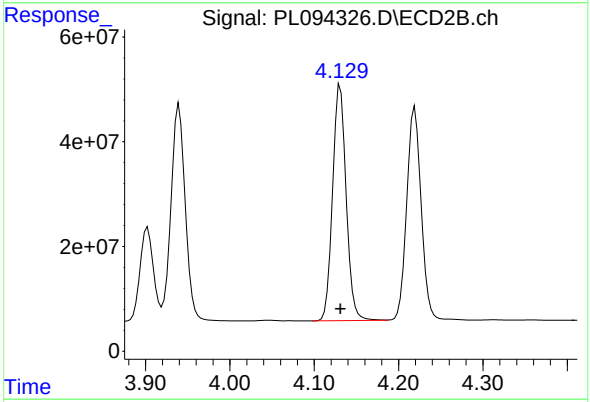
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 196511241
Conc: 101.17 ng/ml



#7 delta-BHC

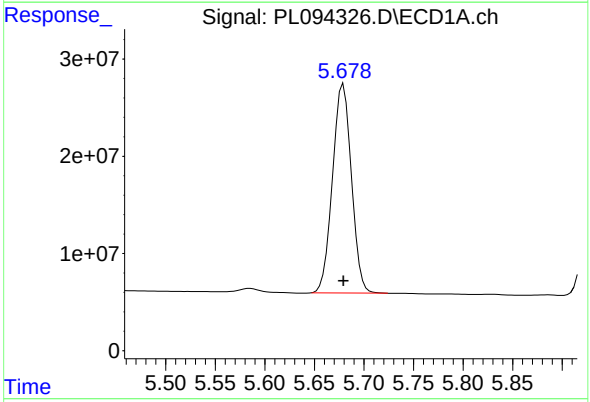
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 348229719
Conc: 101.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



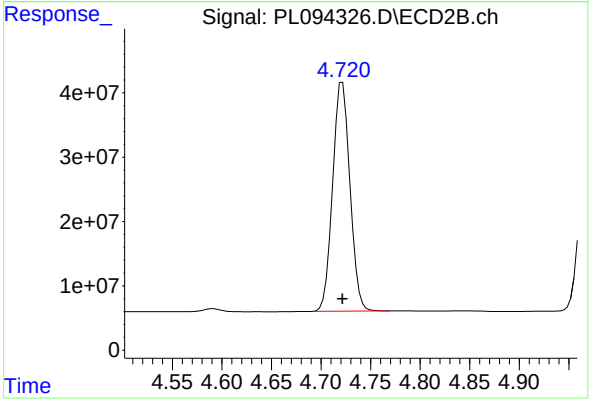
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: 0.000 min
Response: 503257856
Conc: 103.60 ng/ml



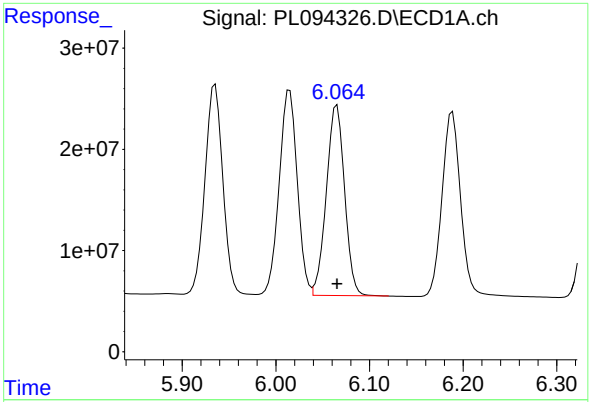
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 285473896
Conc: 99.77 ng/ml



#8 Heptachlor epoxide

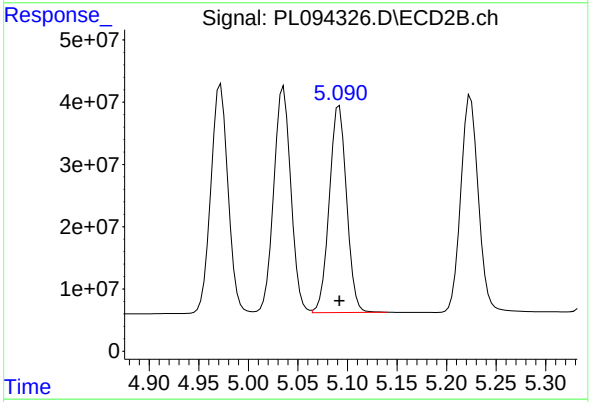
R.T.: 4.722 min
Delta R.T.: 0.000 min
Response: 431630033
Conc: 101.78 ng/ml



#9 Endosulfan I

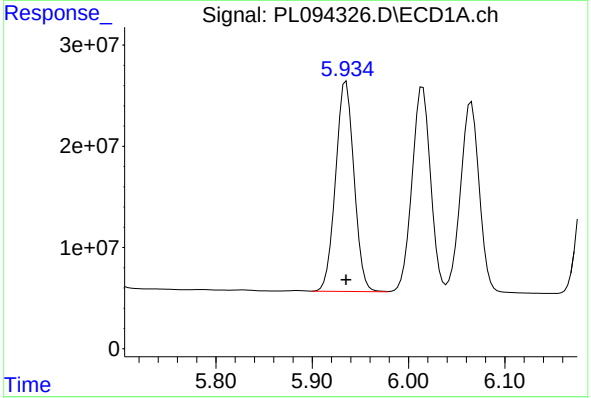
R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 254769255
Conc: 98.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



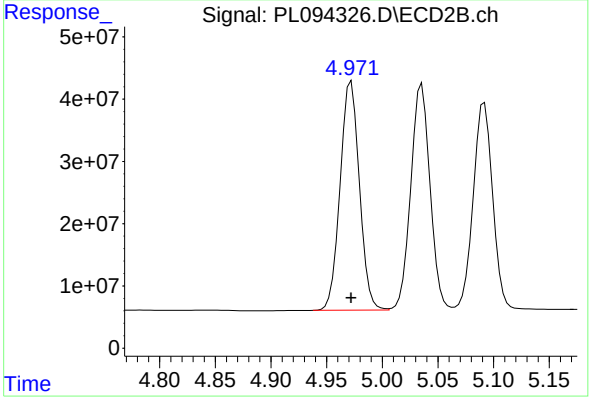
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 403626064
Conc: 101.66 ng/ml



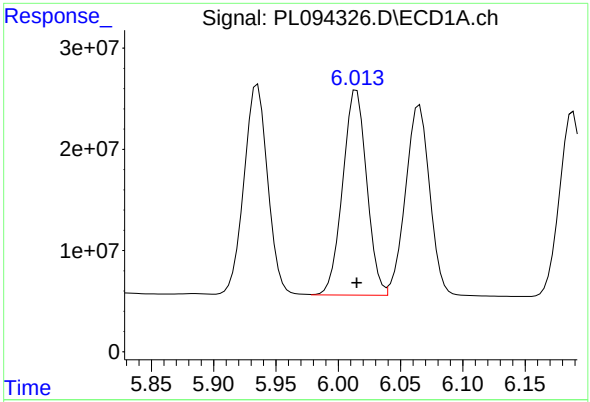
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 274967783
Conc: 99.94 ng/ml



#10 gamma-Chlordane

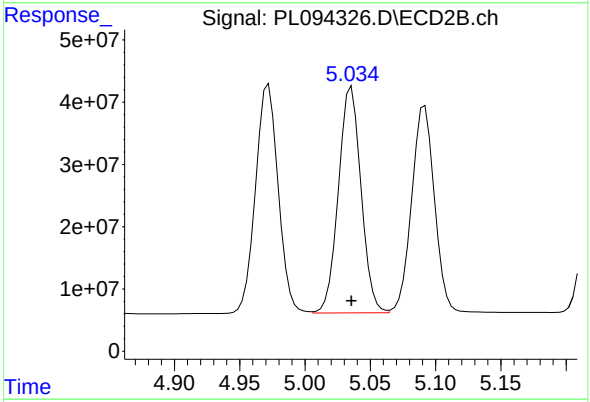
R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 443841638
Conc: 102.39 ng/ml



#11 alpha-Chlordane

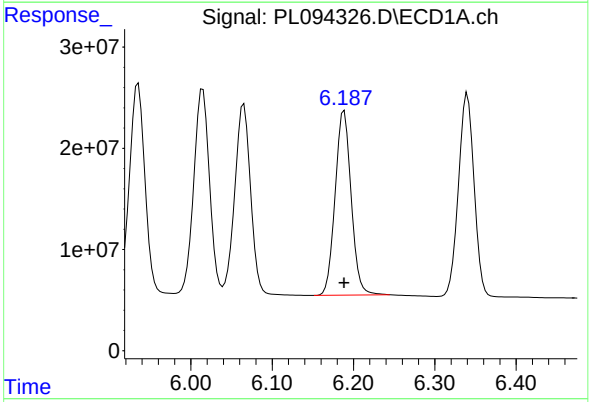
R.T.: 6.015 min
Delta R.T.: 0.000 min
Response: 272776667
Conc: 99.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



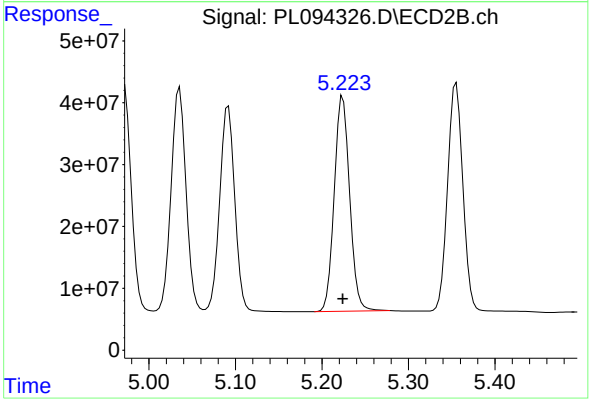
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 437347937
Conc: 102.12 ng/ml



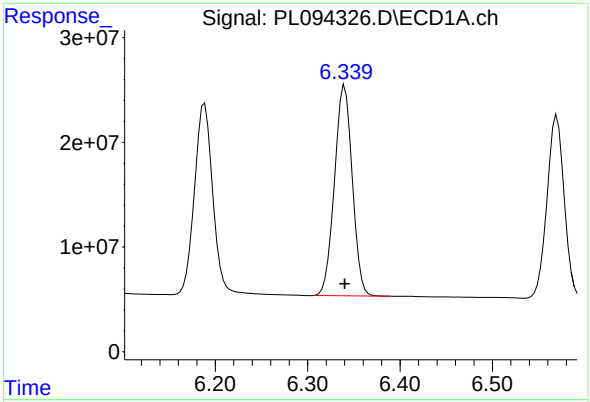
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 249350241
Conc: 99.74 ng/ml



#12 4,4'-DDE

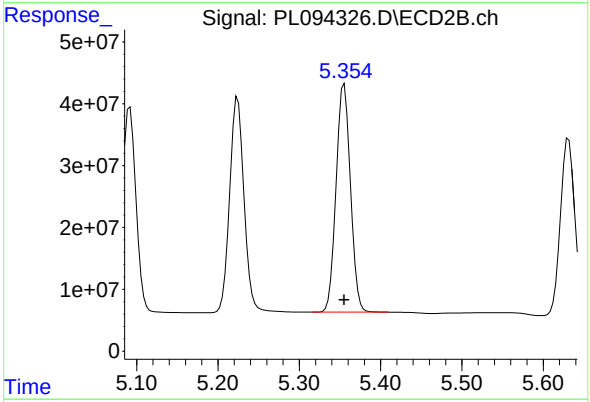
R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 428166105
Conc: 101.94 ng/ml



#13 Dieldrin

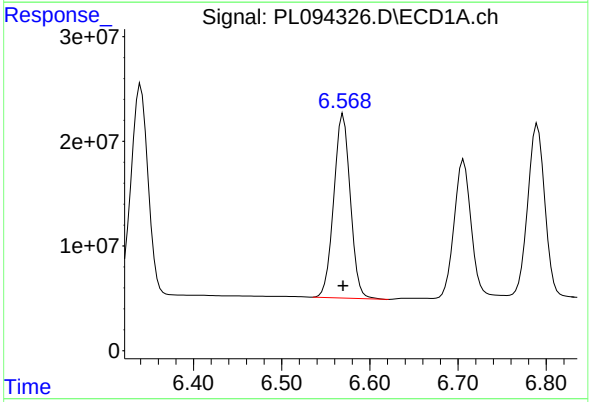
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 269268843
Conc: 99.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



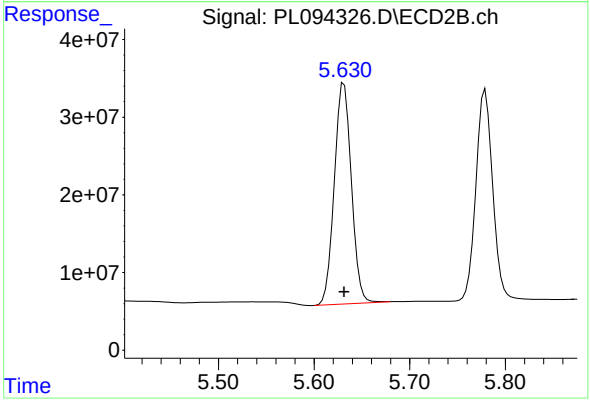
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 451860382
Conc: 102.16 ng/ml



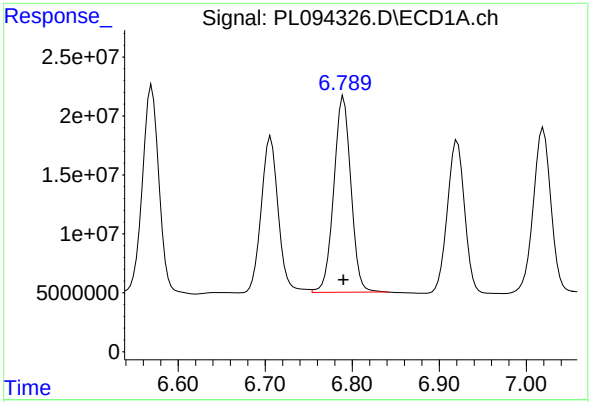
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 229301838
Conc: 99.09 ng/ml



#14 Endrin

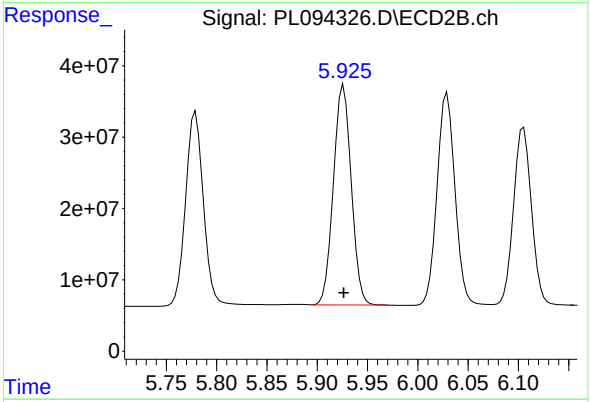
R.T.: 5.631 min
Delta R.T.: 0.000 min
Response: 353869306
Conc: 101.50 ng/ml



#15 Endosulfan II

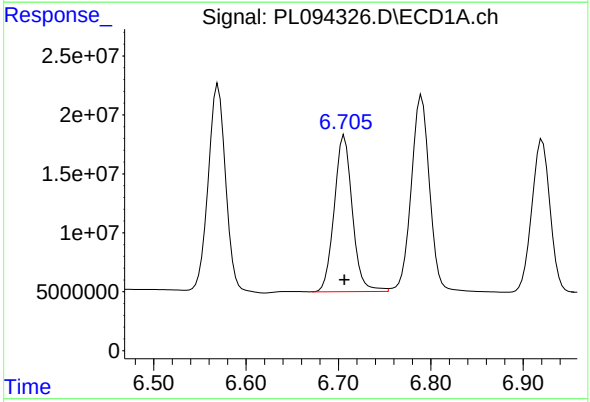
R.T.: 6.790 min
Delta R.T.: 0.000 min
Response: 227525345
Conc: 98.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



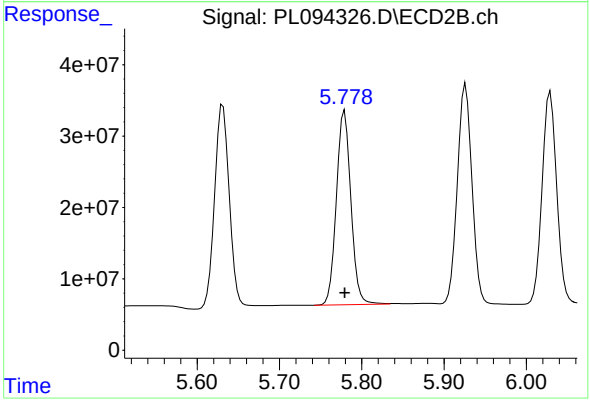
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 379657255
Conc: 101.54 ng/ml



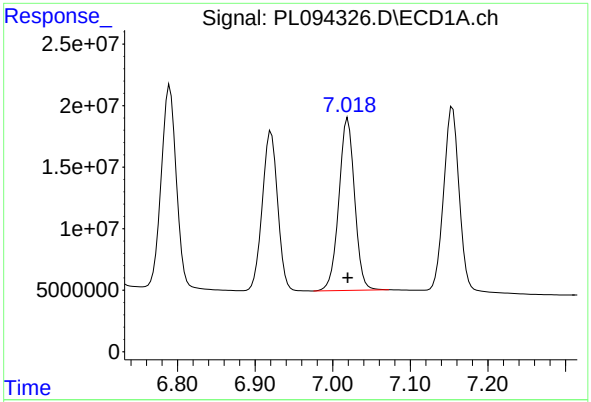
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 180357993
Conc: 99.81 ng/ml



#16 4,4'-DDD

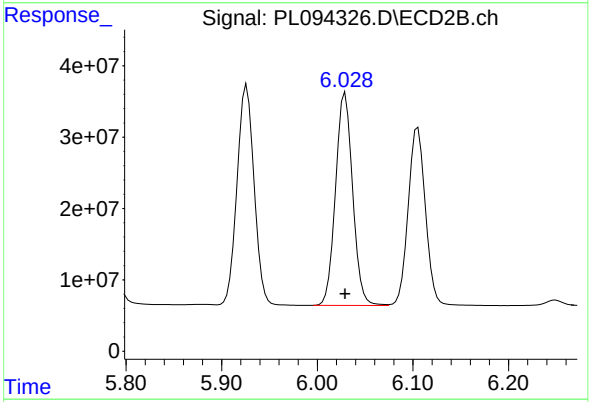
R.T.: 5.779 min
Delta R.T.: 0.000 min
Response: 333515693
Conc: 103.02 ng/ml



#17 4,4'-DDT

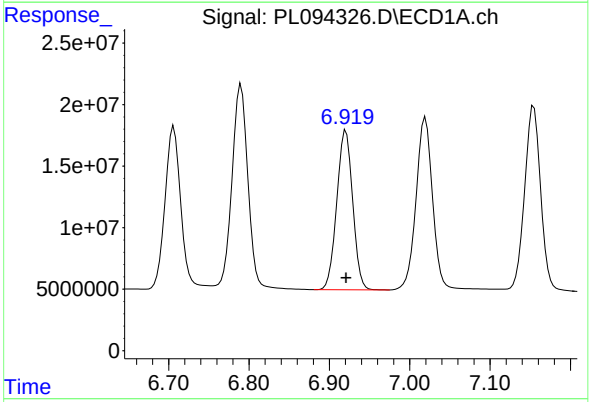
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 197475819
Conc: 98.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



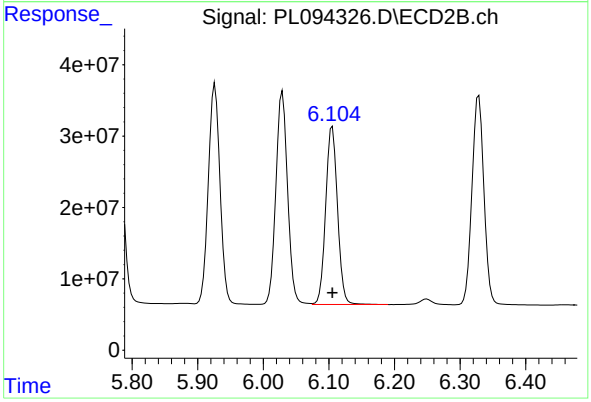
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 370310073
Conc: 102.40 ng/ml



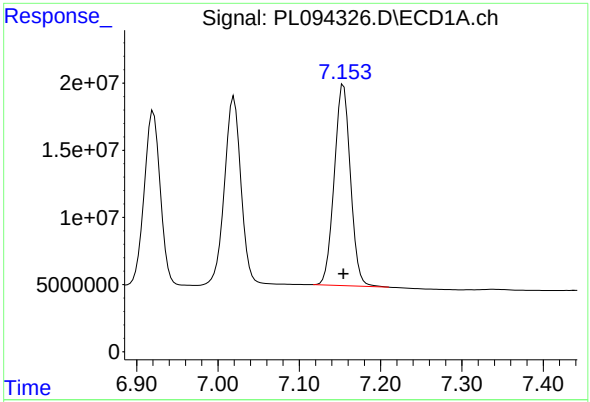
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 178321332
Conc: 98.23 ng/ml



#18 Endrin aldehyde

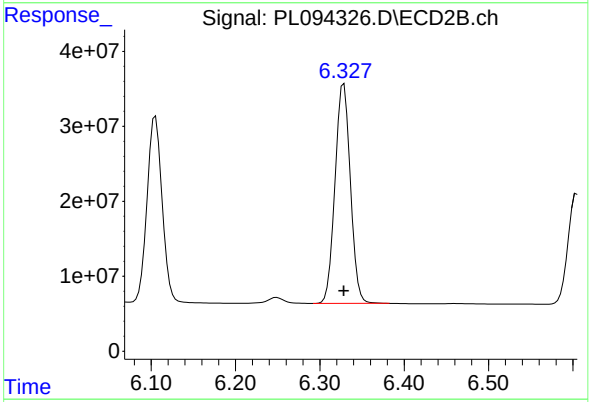
R.T.: 6.105 min
Delta R.T.: 0.000 min
Response: 312391805
Conc: 100.96 ng/ml



#19 Endosulfan Sulfate

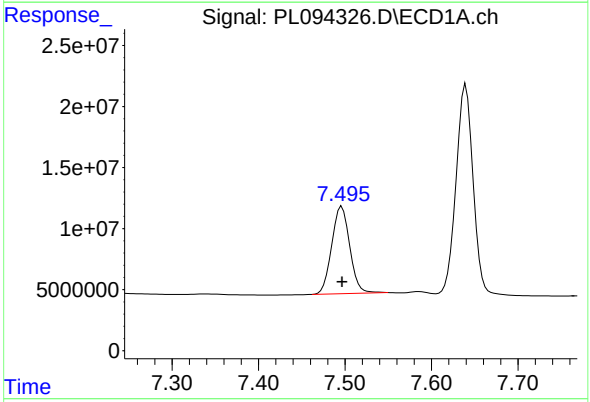
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 206652637
Conc: 98.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



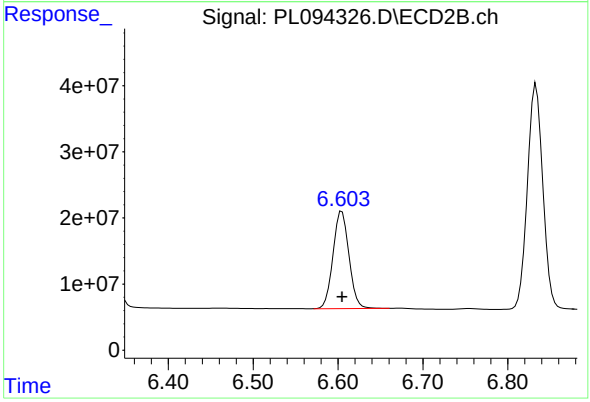
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 370651983
Conc: 101.33 ng/ml



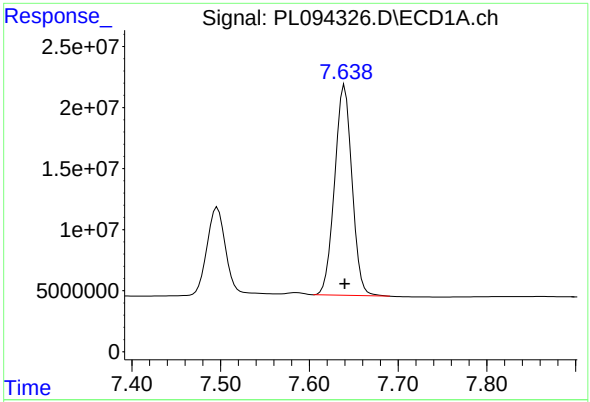
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 103413950
Conc: 98.16 ng/ml



#20 Methoxychlor

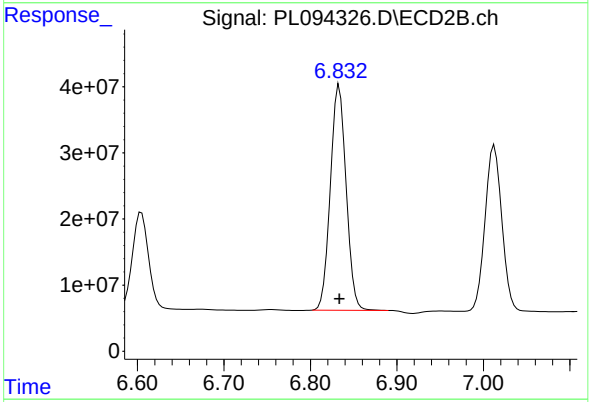
R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 192414341
Conc: 99.70 ng/ml



#21 Endrin ketone

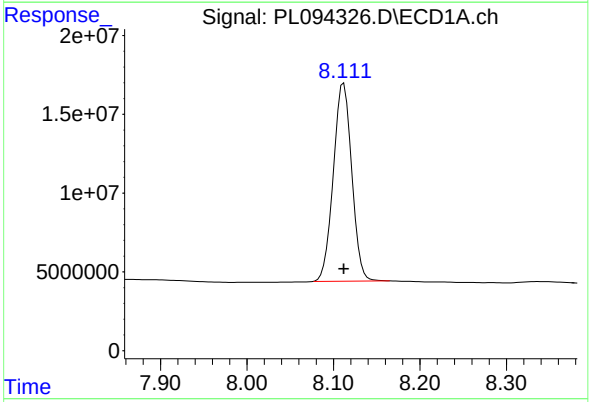
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 234185218
Conc: 98.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



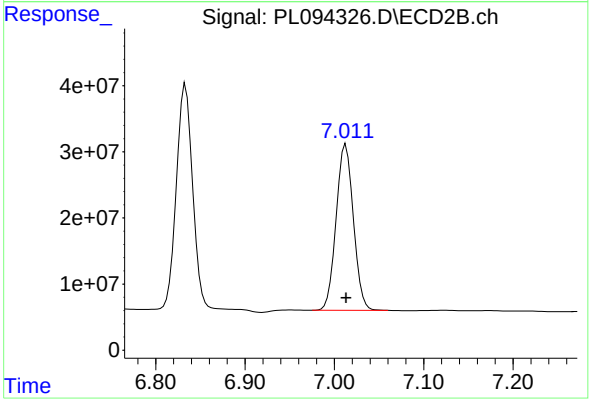
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 430059789
Conc: 101.03 ng/ml



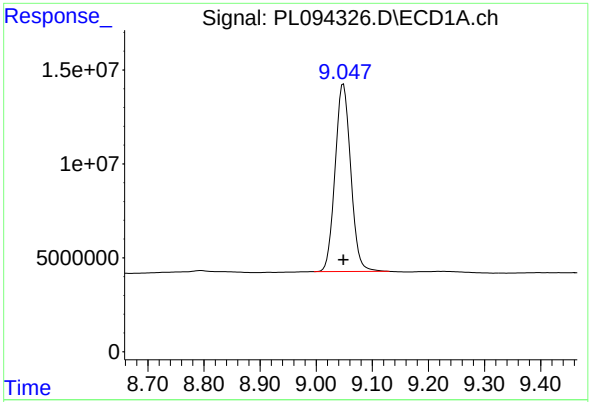
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 185135661
Conc: 97.67 ng/ml



#22 Mirex

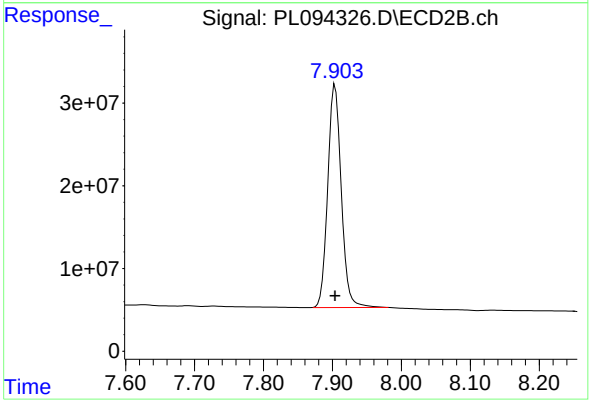
R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 336553476
Conc: 99.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: 0.000 min
Response: 193317194
Conc: 97.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 367590073
Conc: 99.92 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 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: Feb 21 11:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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...	3.535	2.770	182.2E6	235.2E6	74.750	74.479
28) SA	Decachlor...	9.048	7.903	147.2E6	272.9E6	74.527	74.453
	Target Compounds						
2) A	alpha-BHC	3.992	3.272	273.7E6	375.8E6	74.508	74.607
3) MA	gamma-BHC...	4.324	3.602	265.8E6	359.9E6	74.420	74.769
4) MA	Heptachlor	4.911	3.940	239.6E6	353.7E6	74.572	74.774
5) MB	Aldrin	5.253	4.219	241.3E6	350.1E6	74.208	74.890
6) B	beta-BHC	4.522	3.902	112.1E6	144.8E6	75.033	74.683
7) B	delta-BHC	4.769	4.131	254.6E6	363.4E6	74.662	74.874
8) B	Heptachlo...	5.679	4.721	212.3E6	316.1E6	74.465	74.694
9) A	Endosulfan I	6.065	5.091	190.2E6	295.1E6	74.206	74.546
10) B	gamma-Chl...	5.935	4.971	204.3E6	323.1E6	74.499	74.681
11) B	alpha-Chl...	6.014	5.035	202.0E6	319.4E6	74.259	74.723
12) B	4,4'-DDE	6.188	5.223	185.3E6	313.7E6	74.411	74.788
13) MA	Dieldrin	6.339	5.354	200.4E6	329.2E6	74.602	74.612
14) MA	Endrin	6.569	5.630	172.1E6	258.9E6	74.570	74.505
15) B	Endosulfa...	6.789	5.925	170.8E6	278.6E6	74.391	74.684
16) A	4,4'-DDD	6.705	5.778	134.7E6	241.2E6	74.687	74.663
17) MA	4,4'-DDT	7.019	6.028	148.5E6	268.8E6	74.565	74.555
18) B	Endrin al...	6.919	6.104	135.0E6	230.2E6	74.565	74.588
19) B	Endosulfa...	7.154	6.327	156.2E6	272.0E6	74.693	74.567
20) A	Methoxychlor	7.496	6.603	78174777	142.8E6	74.469	74.324
21) B	Endrin ke...	7.639	6.832	175.9E6	315.0E6	74.565	74.323
22)	Mirex	8.111	7.012	140.5E6	249.6E6	74.416	74.198

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

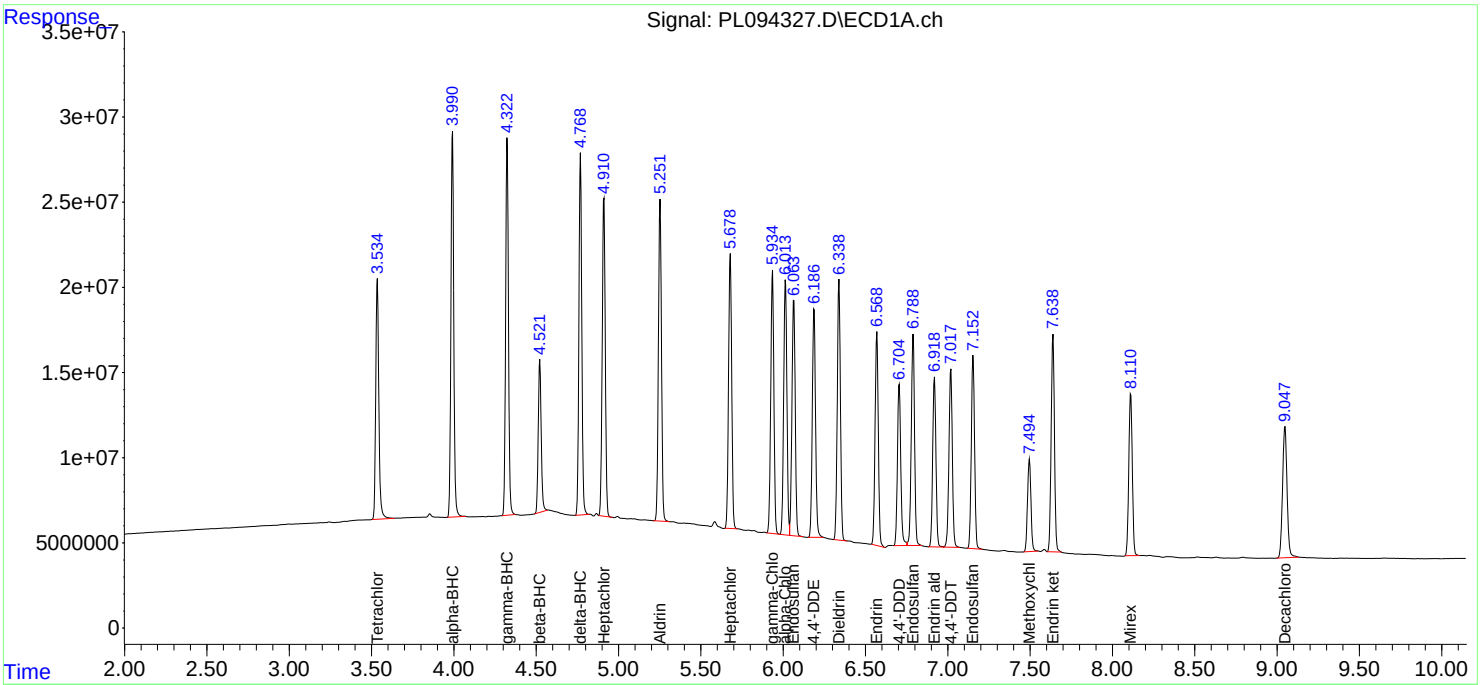
ICAL Form

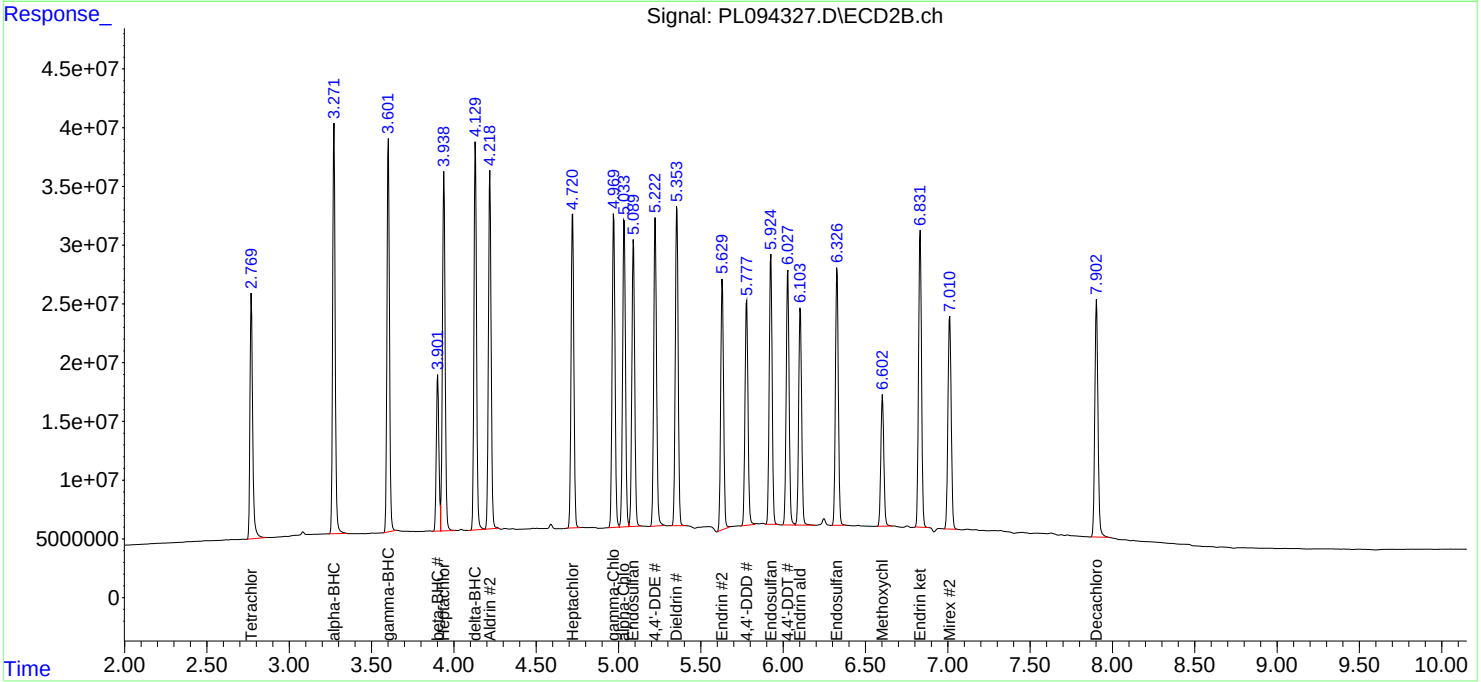
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

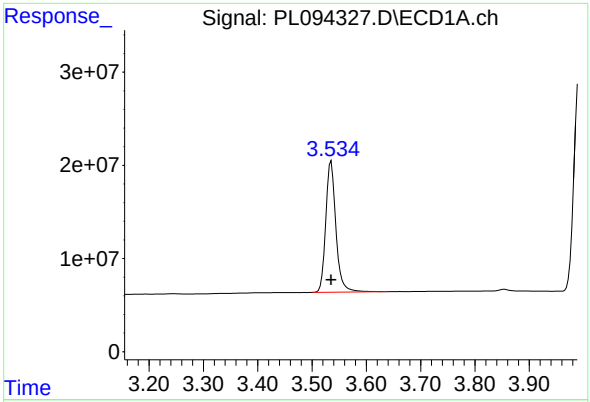
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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



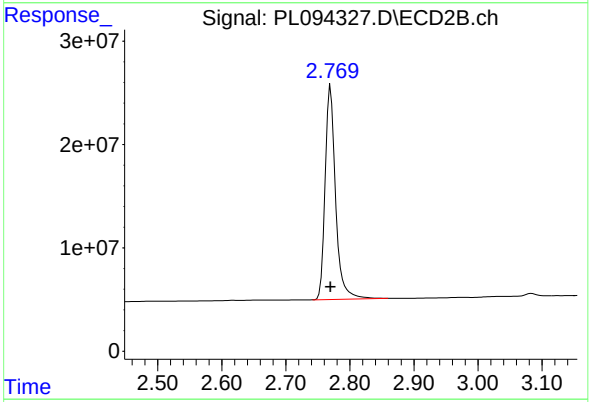




#1 Tetrachloro-m-xylene

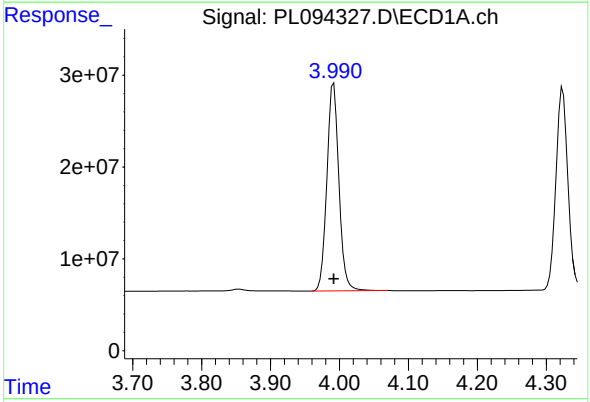
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 182247975
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



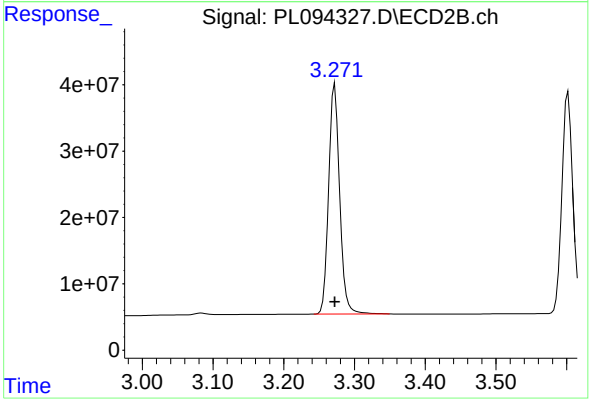
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 235156311
Conc: 74.48 ng/ml



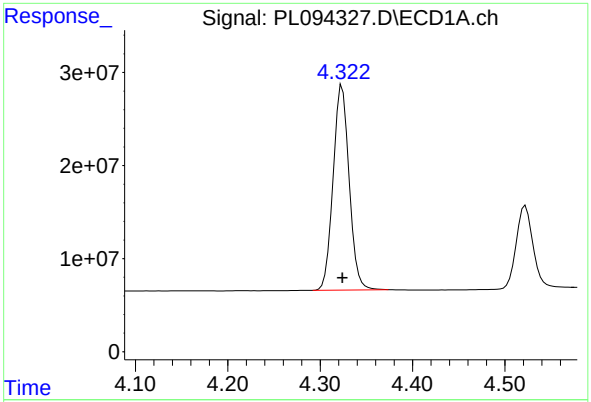
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 273730464
Conc: 74.51 ng/ml



#2 alpha-BHC

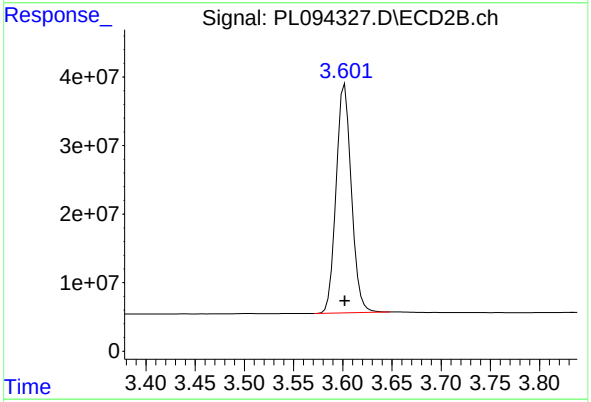
R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 375754785
Conc: 74.61 ng/ml



#3 gamma-BHC (Lindane)

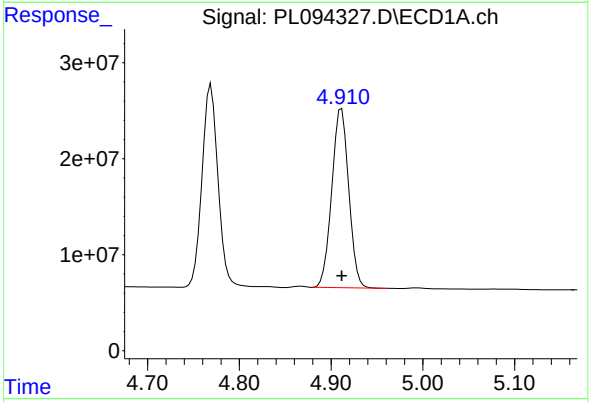
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 265840526
Conc: 74.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



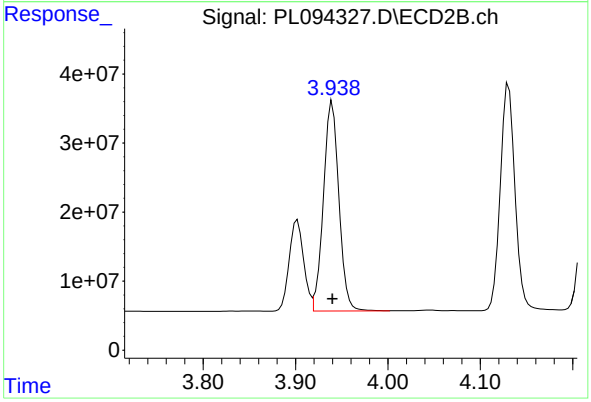
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: 0.000 min
Response: 359891294
Conc: 74.77 ng/ml



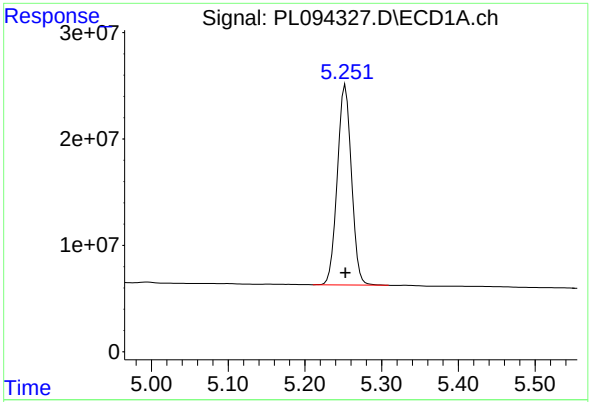
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: 0.000 min
Response: 239647140
Conc: 74.57 ng/ml



#4 Heptachlor

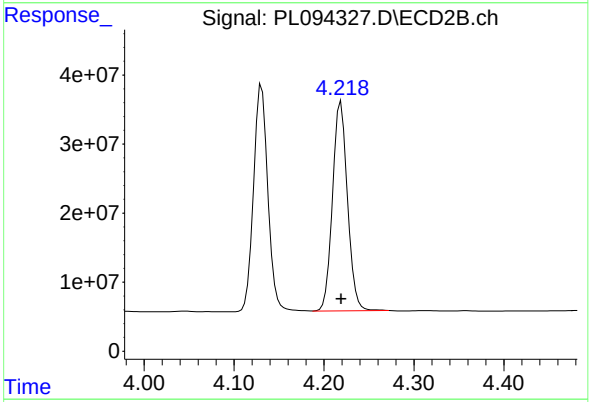
R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 353653897
Conc: 74.77 ng/ml



#5 Aldrin

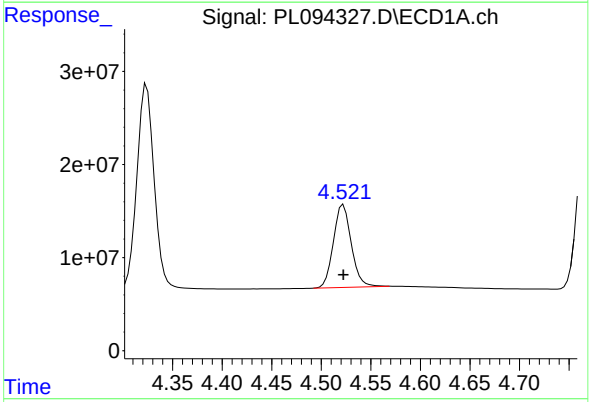
R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 241275600
Conc: 74.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



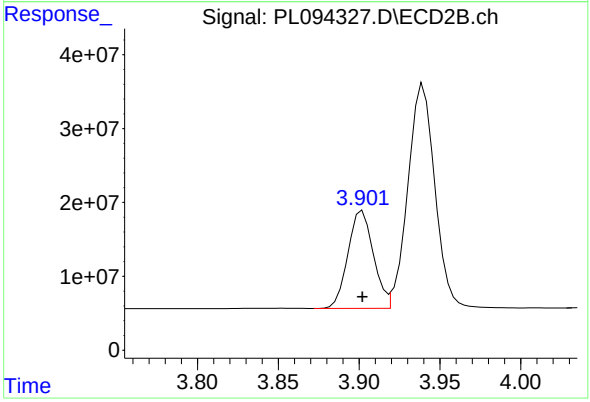
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: 0.000 min
Response: 350114835
Conc: 74.89 ng/ml



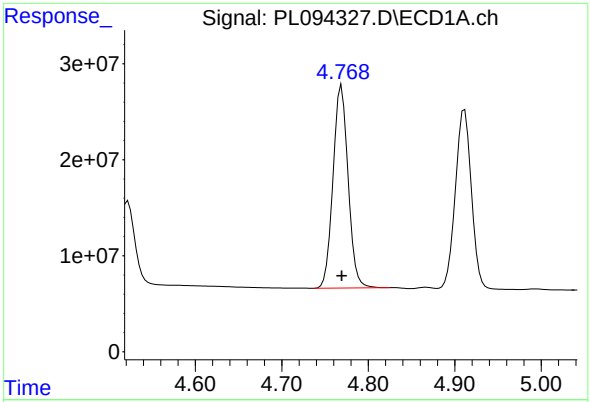
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 112081688
Conc: 75.03 ng/ml



#6 beta-BHC

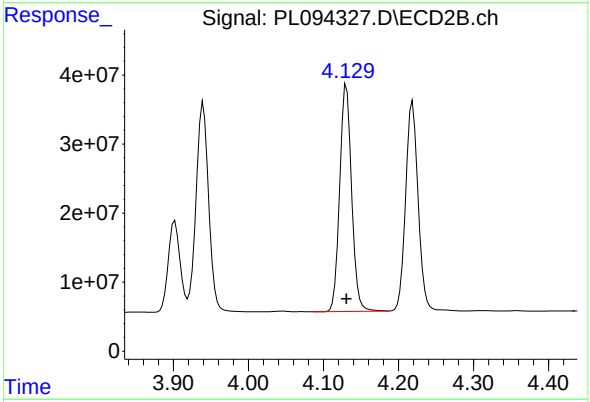
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 144755641
Conc: 74.68 ng/ml



#7 delta-BHC

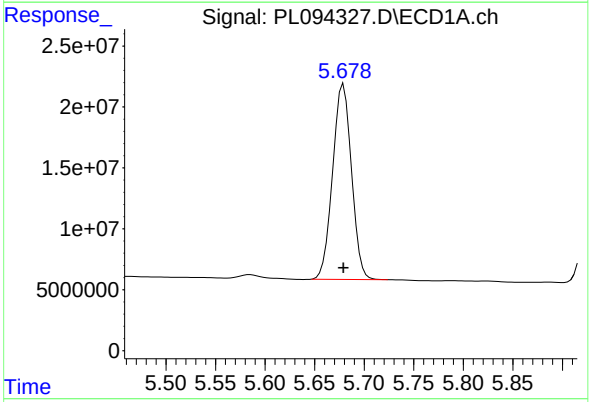
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 254604577
Conc: 74.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



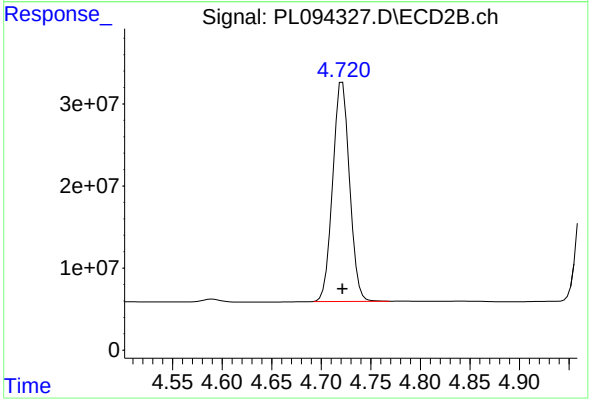
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: 0.000 min
Response: 363393465
Conc: 74.87 ng/ml



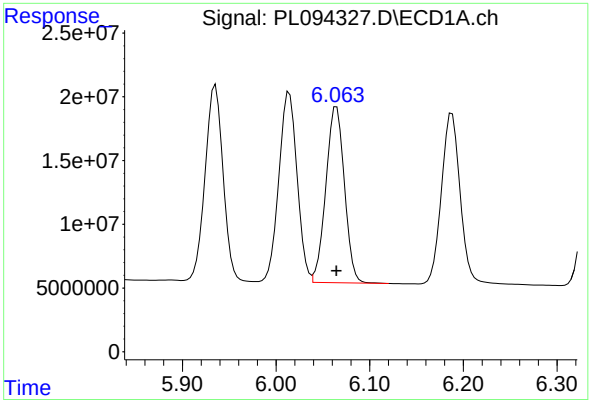
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 212320820
Conc: 74.47 ng/ml



#8 Heptachlor epoxide

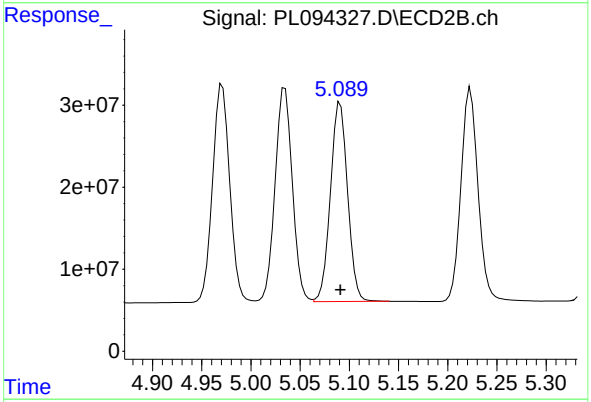
R.T.: 4.721 min
Delta R.T.: 0.000 min
Response: 316131667
Conc: 74.69 ng/ml



#9 Endosulfan I

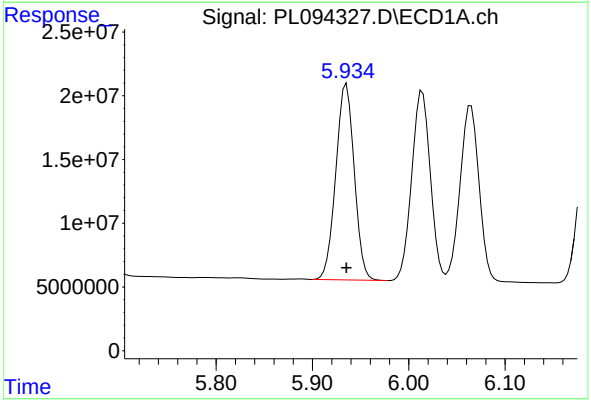
R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 190202447
Conc: 74.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



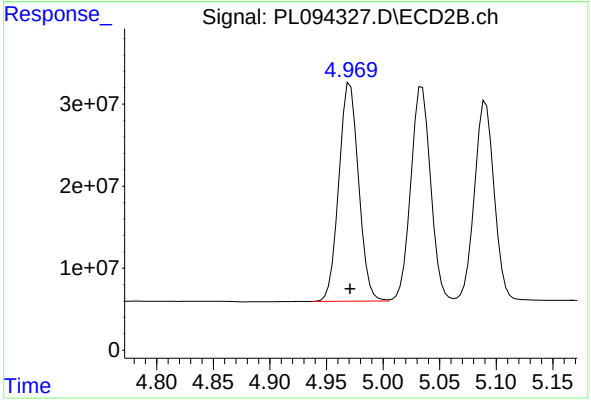
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: 0.000 min
Response: 295090592
Conc: 74.55 ng/ml



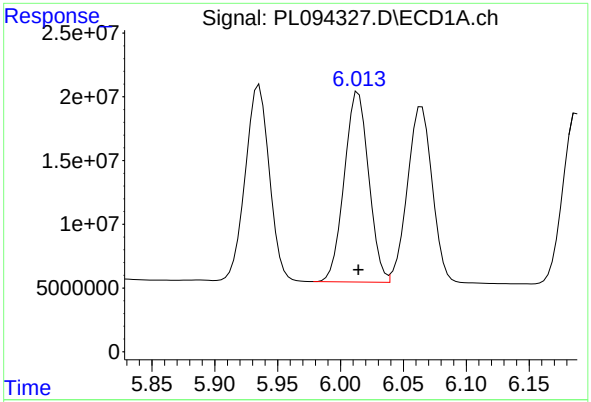
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 204296310
Conc: 74.50 ng/ml



#10 gamma-Chlordane

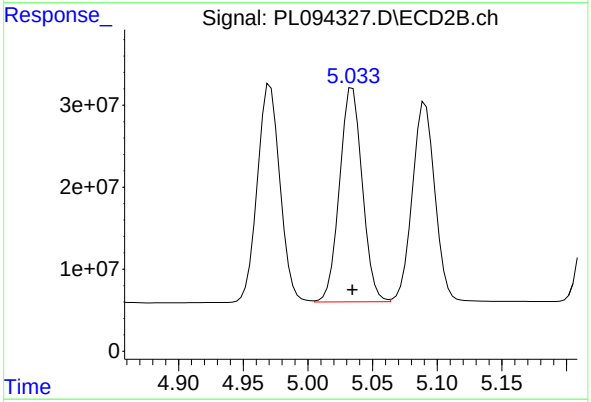
R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 323050588
Conc: 74.68 ng/ml



#11 alpha-Chlordane

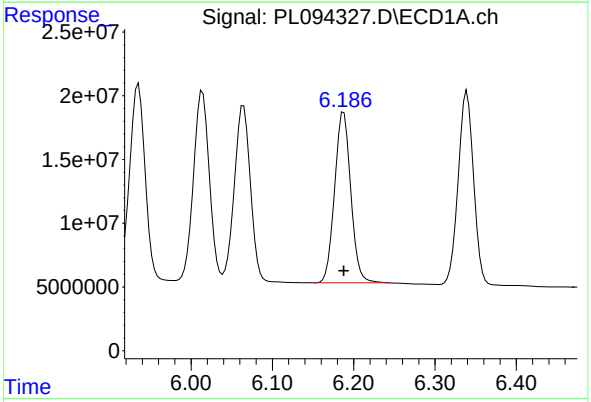
R.T.: 6.014 min
Delta R.T.: 0.000 min
Response: 201981791
Conc: 74.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



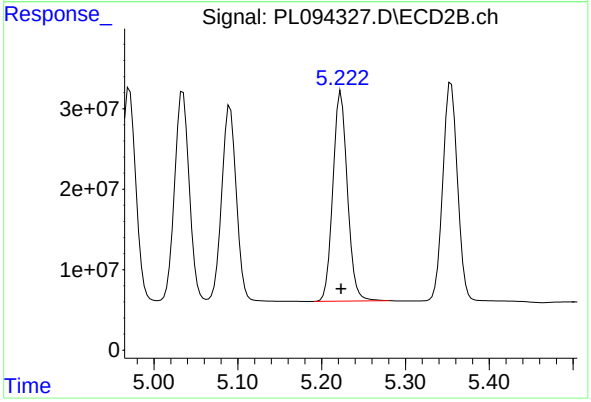
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 319410709
Conc: 74.72 ng/ml



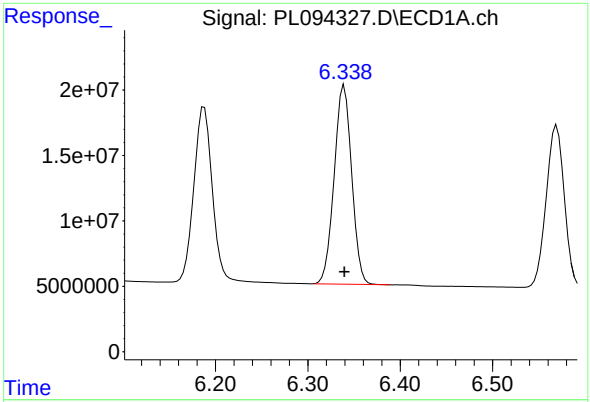
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 185305270
Conc: 74.41 ng/ml



#12 4,4'-DDE

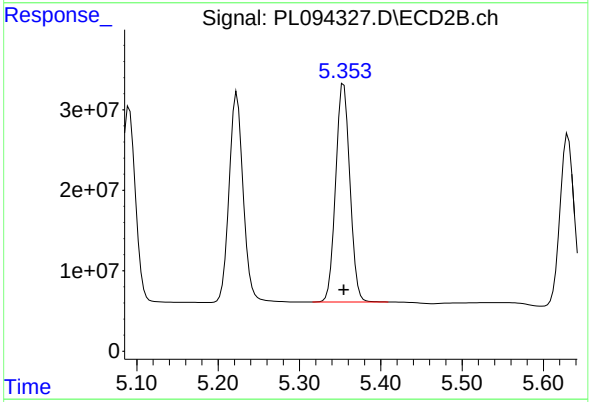
R.T.: 5.223 min
Delta R.T.: 0.000 min
Response: 313683056
Conc: 74.79 ng/ml



#13 Dieldrin

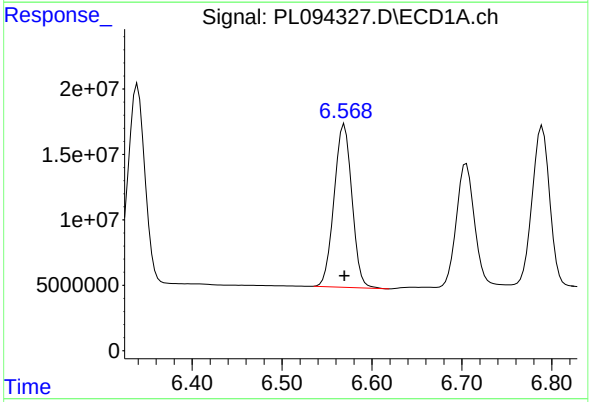
R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 200382589
Conc: 74.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



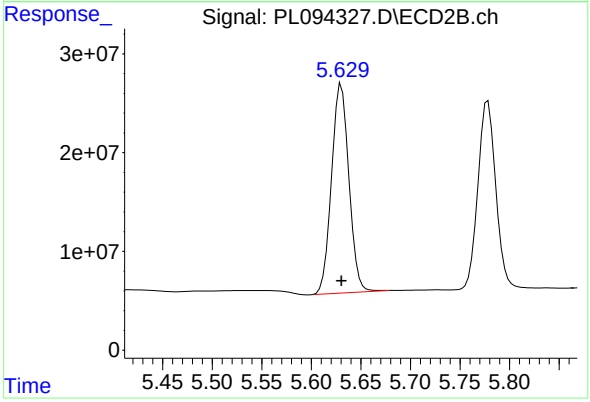
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: 0.000 min
Response: 329172901
Conc: 74.61 ng/ml



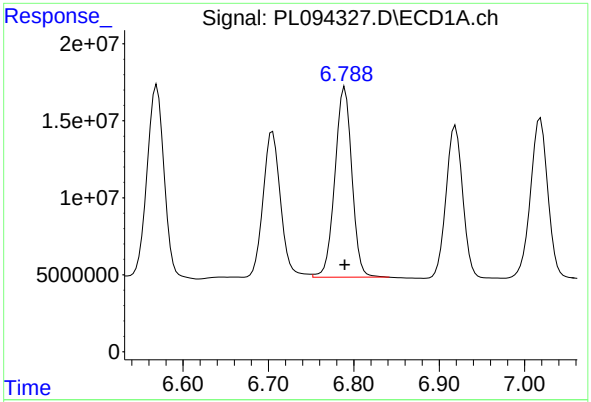
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 172068961
Conc: 74.57 ng/ml



#14 Endrin

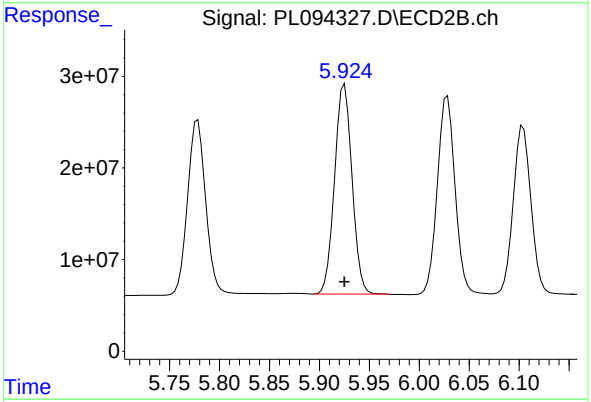
R.T.: 5.630 min
Delta R.T.: 0.000 min
Response: 258895673
Conc: 74.50 ng/ml



#15 Endosulfan II

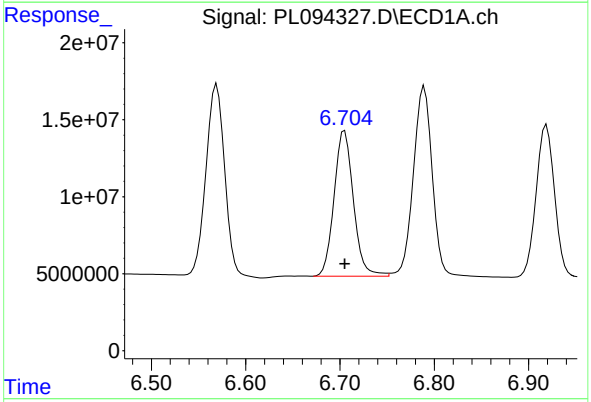
R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 170756921
Conc: 74.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



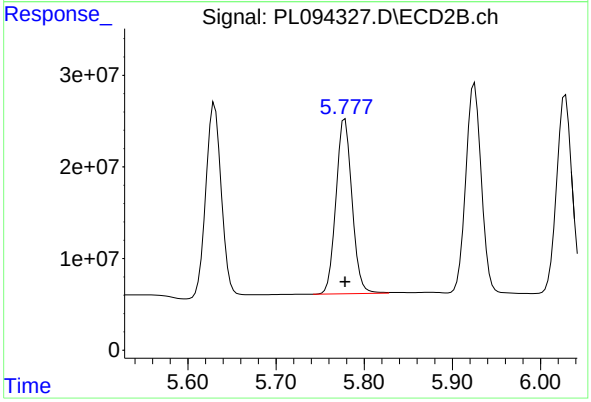
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 278648525
Conc: 74.68 ng/ml



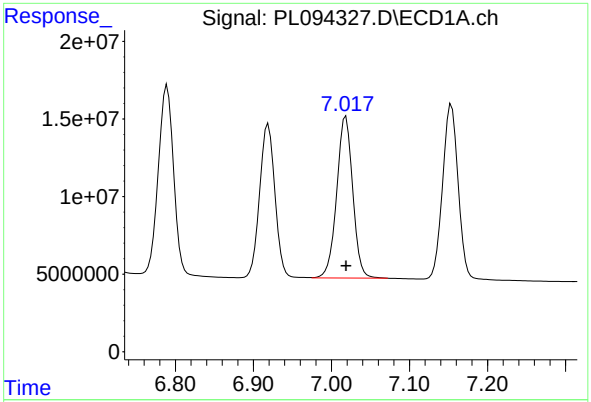
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 134674174
Conc: 74.69 ng/ml



#16 4,4'-DDD

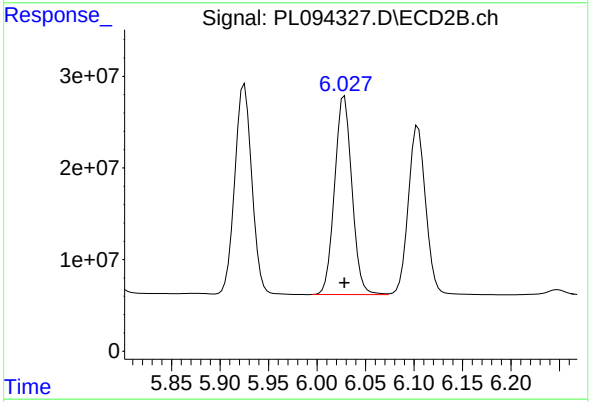
R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 241165389
Conc: 74.66 ng/ml



#17 4,4'-DDT

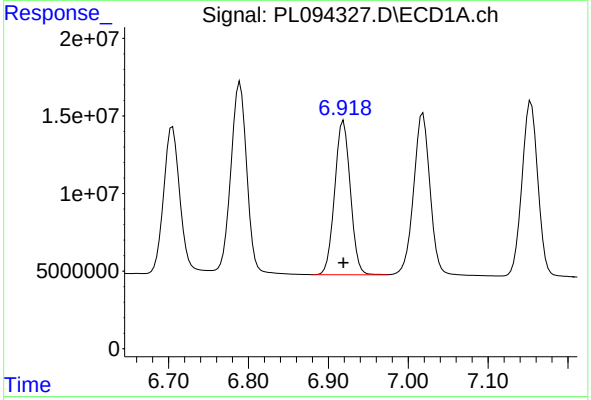
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 148493140
Conc: 74.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



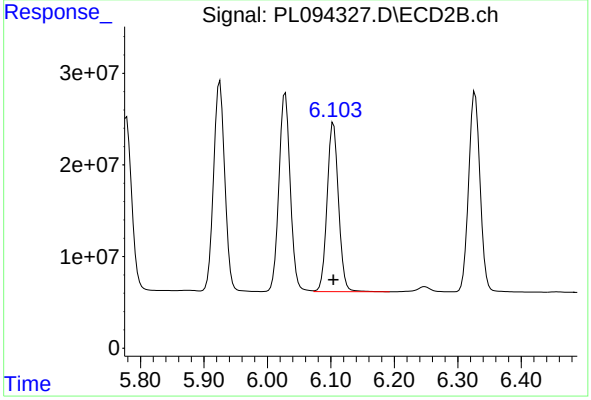
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 268822084
Conc: 74.55 ng/ml



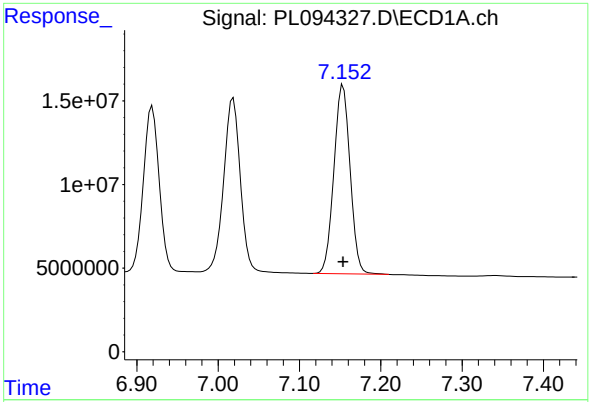
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 134967694
Conc: 74.57 ng/ml



#18 Endrin aldehyde

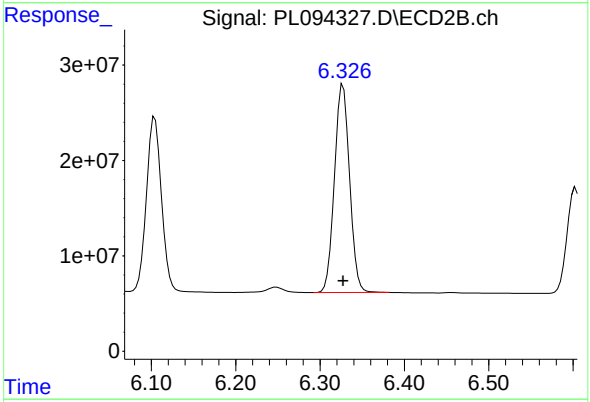
R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 230166734
Conc: 74.59 ng/ml



#19 Endosulfan Sulfate

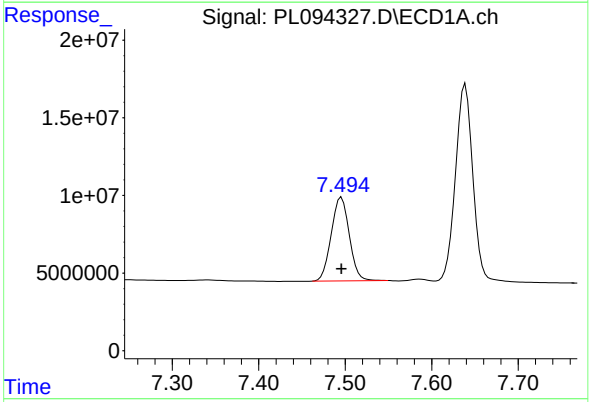
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 156193186
Conc: 74.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



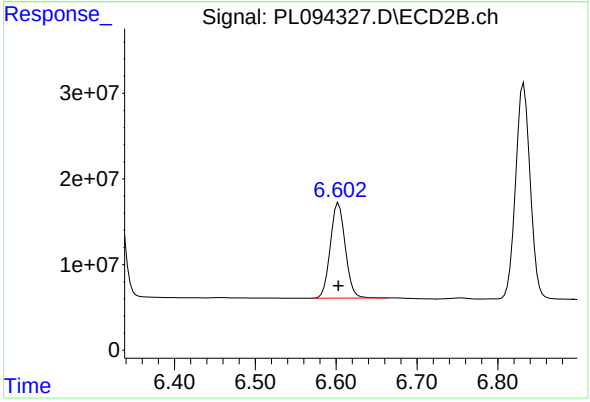
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: 0.000 min
Response: 271972769
Conc: 74.57 ng/ml



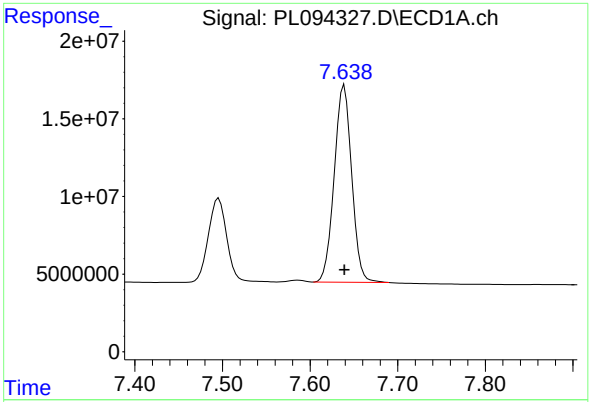
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 78174777
Conc: 74.47 ng/ml



#20 Methoxychlor

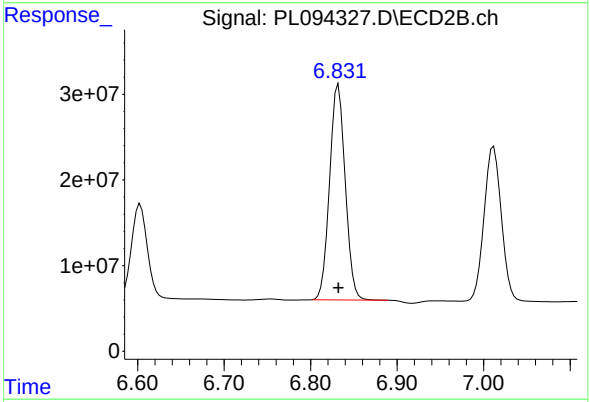
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 142797268
Conc: 74.32 ng/ml



#21 Endrin ketone

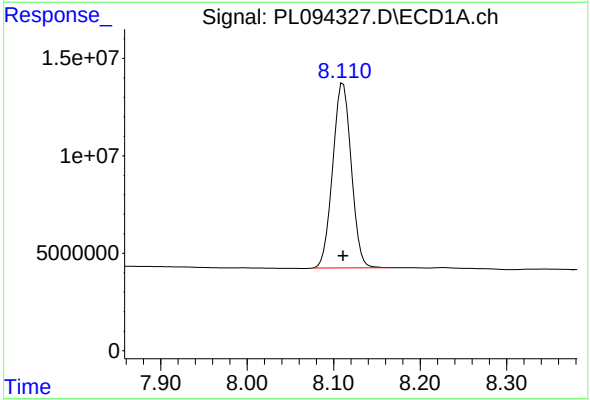
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 175903735
Conc: 74.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



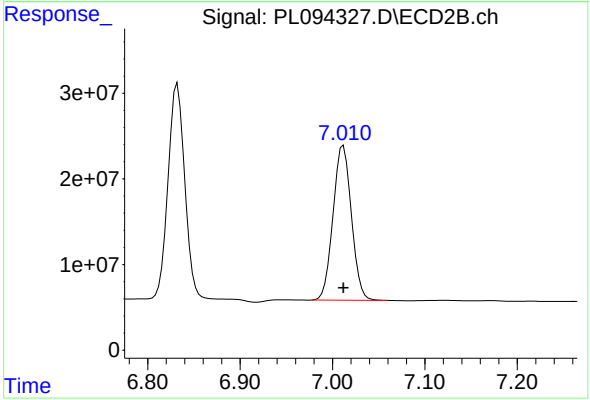
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: 0.000 min
Response: 314960438
Conc: 74.32 ng/ml



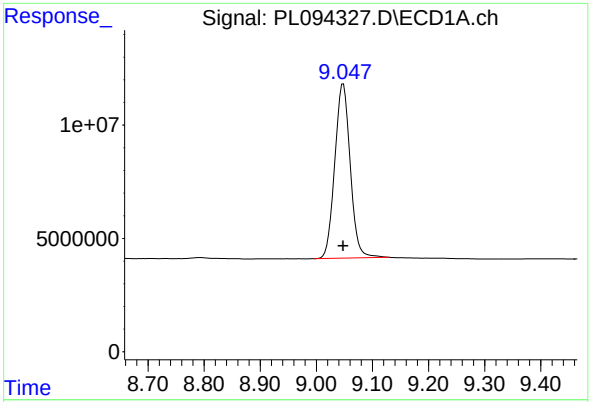
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 140510167
Conc: 74.42 ng/ml



#22 Mirex

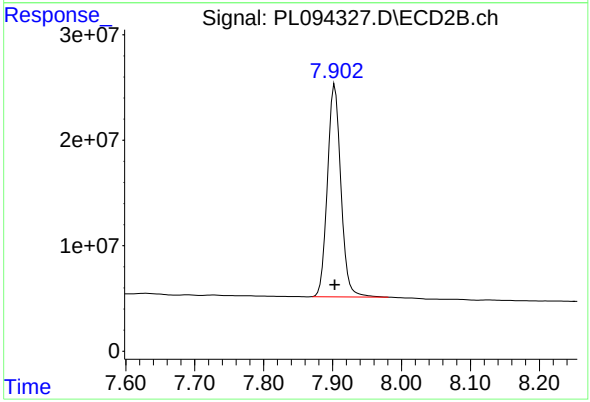
R.T.: 7.012 min
Delta R.T.: 0.000 min
Response: 249550113
Conc: 74.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 147242304
Conc: 74.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: 0.000 min
Response: 272911909
Conc: 74.45 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:23
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: Feb 21 11:46:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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...	3.535	2.770	122.2E6	156.4E6	50.000	50.000
28)	SA Decachlor...	9.049	7.904	101.5E6	184.1E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.991	3.272	181.2E6	244.3E6	50.000	50.000
3)	MA gamma-BHC...	4.324	3.602	176.8E6	232.9E6	50.000	50.000
4)	MA Heptachlor	4.912	3.940	160.4E6	231.5E6	50.000	50.000
5)	MB Aldrin	5.253	4.219	162.8E6	226.8E6	50.000	50.000
6)	B beta-BHC	4.522	3.903	74292245	95981772	50.000	50.000
7)	B delta-BHC	4.769	4.130	167.7E6	234.1E6	50.000	50.000
8)	B Heptachlo...	5.679	4.722	143.4E6	208.3E6	50.000	50.000
9)	A Endosulfan I	6.065	5.091	130.3E6	195.2E6	50.000	50.000
10)	B gamma-Chl...	5.935	4.972	137.7E6	211.6E6	50.000	50.000
11)	B alpha-Chl...	6.015	5.035	136.9E6	209.6E6	50.000	50.000
12)	B 4,4'-DDE	6.188	5.224	125.3E6	205.9E6	50.000	50.000
13)	MA Dieldrin	6.340	5.356	134.7E6	216.4E6	50.000	50.000
14)	MA Endrin	6.570	5.631	116.8E6	171.7E6	50.000	50.000
15)	B Endosulfa...	6.790	5.926	116.7E6	184.1E6	50.000	50.000
16)	A 4,4'-DDD	6.706	5.779	90515407	157.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.019	6.029	101.0E6	176.5E6	50.000	50.000
18)	B Endrin al...	6.920	6.106	92370929	153.2E6	50.000	50.000
19)	B Endosulfa...	7.154	6.328	106.2E6	180.5E6	50.000	50.000
20)	A Methoxychlor	7.496	6.605	53641156	96787465	50.000	50.000
21)	B Endrin ke...	7.639	6.833	119.5E6	210.7E6	50.000	50.000
22)	Mirex	8.112	7.013	96984261	169.8E6	50.000	50.000

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

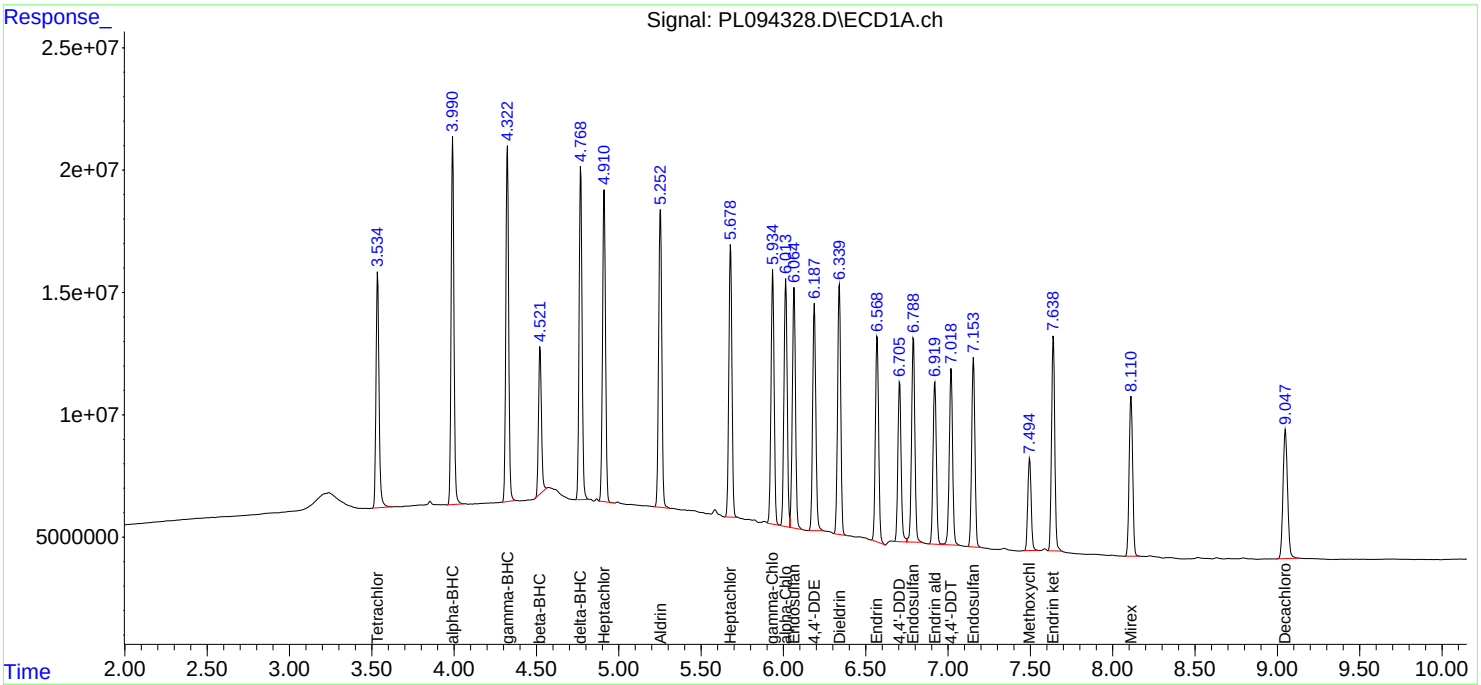
ICAL Form

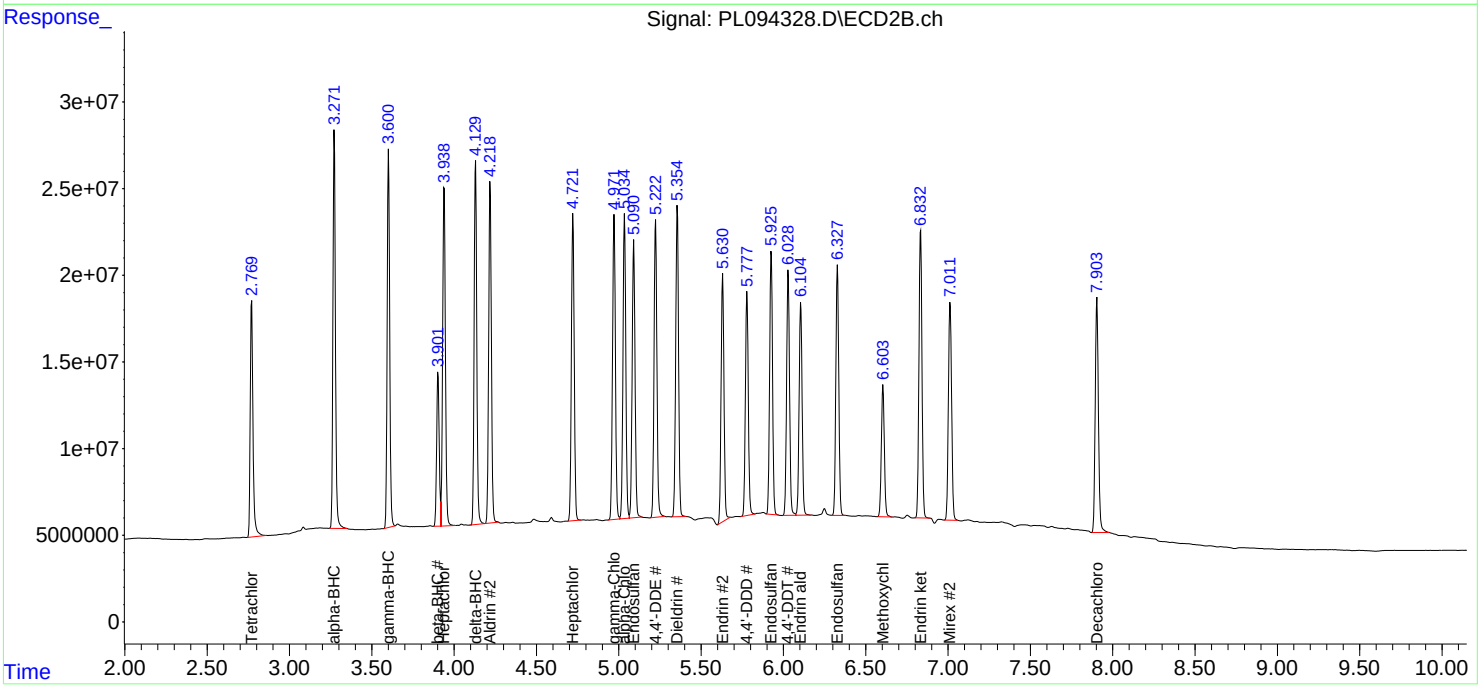
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:23
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

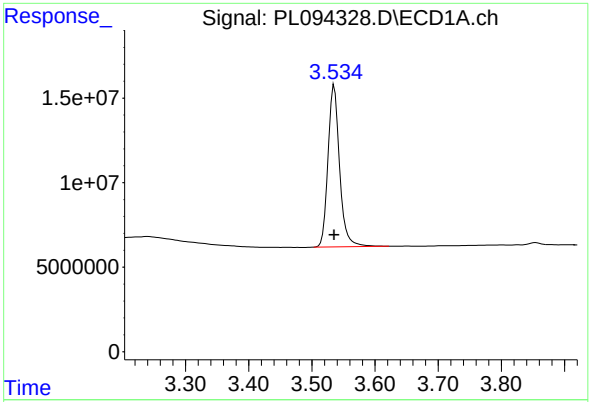
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:46:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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



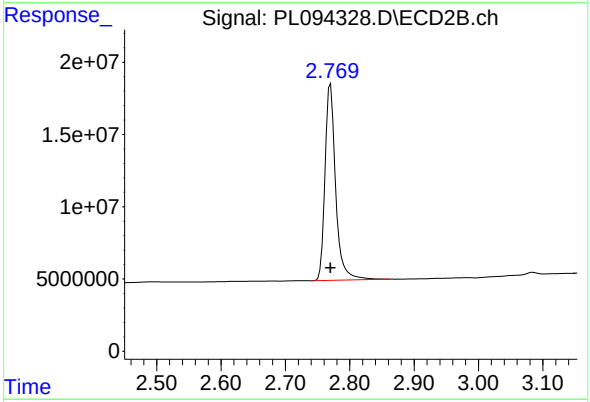




#1 Tetrachloro-m-xylene

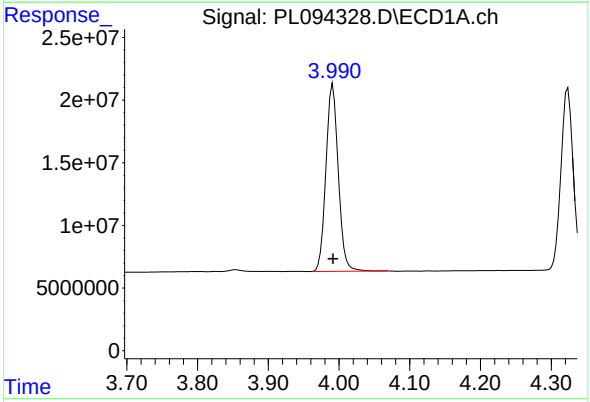
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 122175901
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



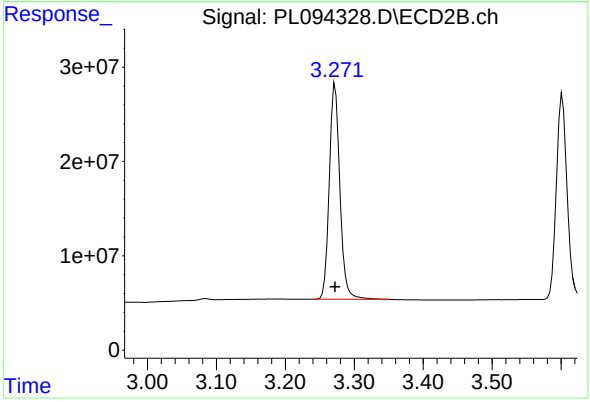
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 156374816
Conc: 50.00 ng/ml



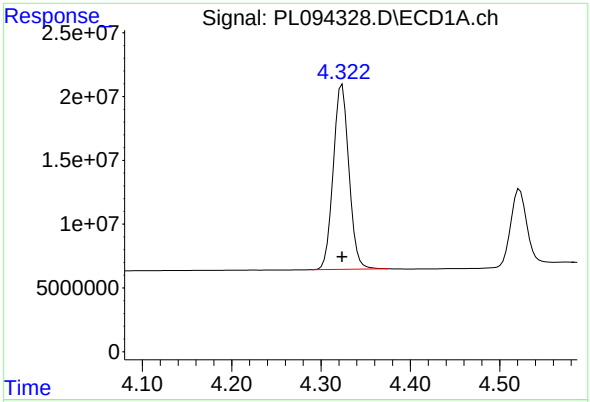
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 181150371
Conc: 50.00 ng/ml



#2 alpha-BHC

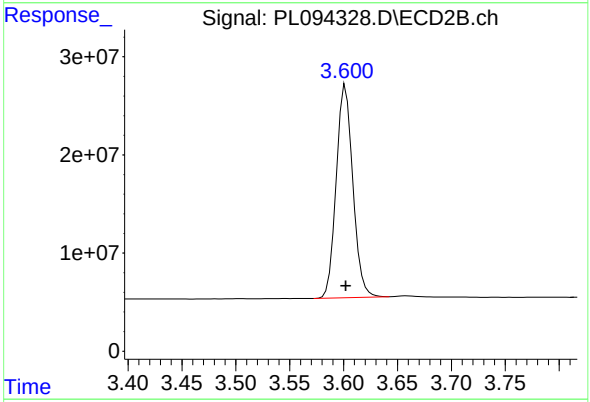
R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 244304488
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

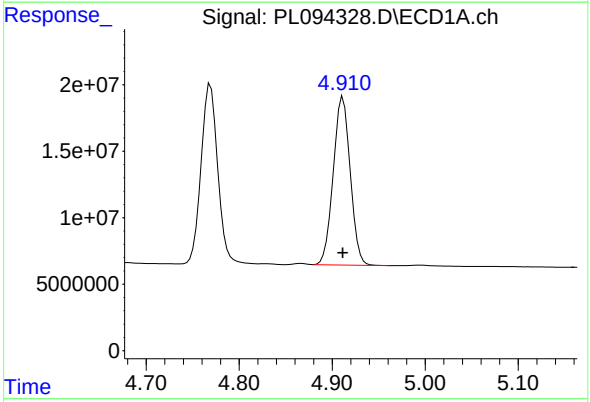
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 176764765
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



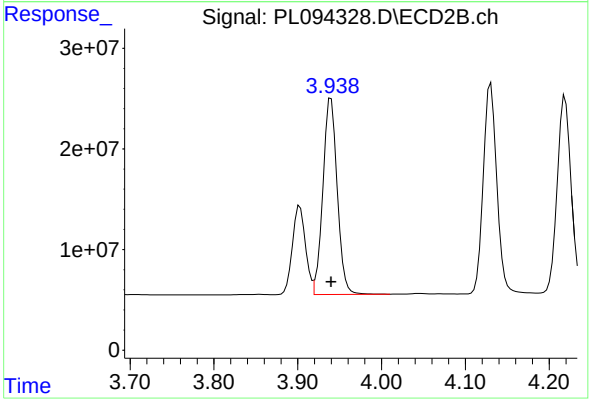
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: 0.000 min
Response: 232908617
Conc: 50.00 ng/ml



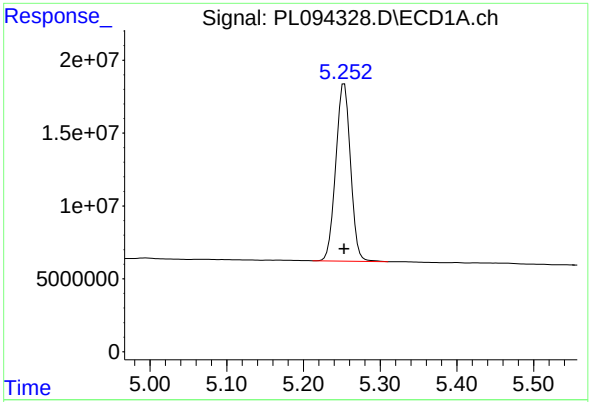
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: 0.000 min
Response: 160380233
Conc: 50.00 ng/ml



#4 Heptachlor

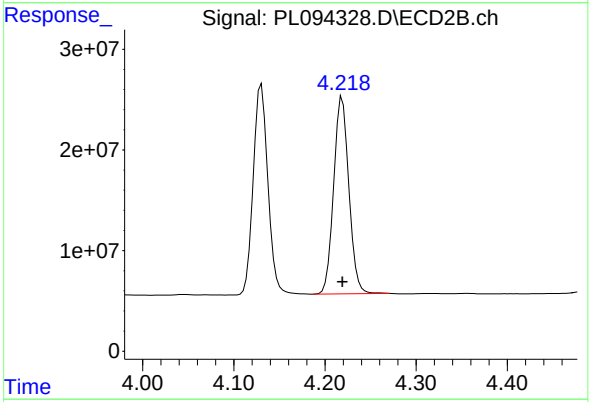
R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 231475225
Conc: 50.00 ng/ml



#5 Aldrin

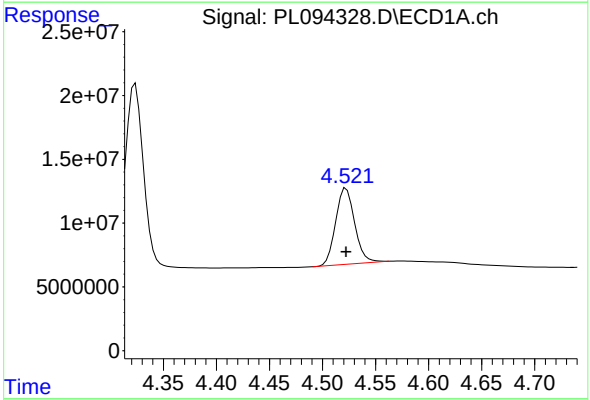
R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 162759120
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



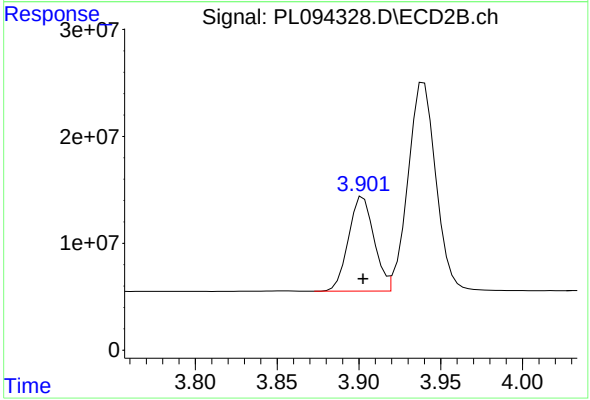
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: 0.000 min
Response: 226812315
Conc: 50.00 ng/ml



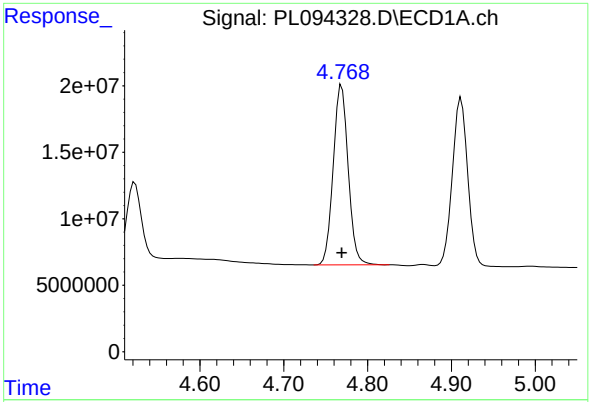
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 74292245
Conc: 50.00 ng/ml



#6 beta-BHC

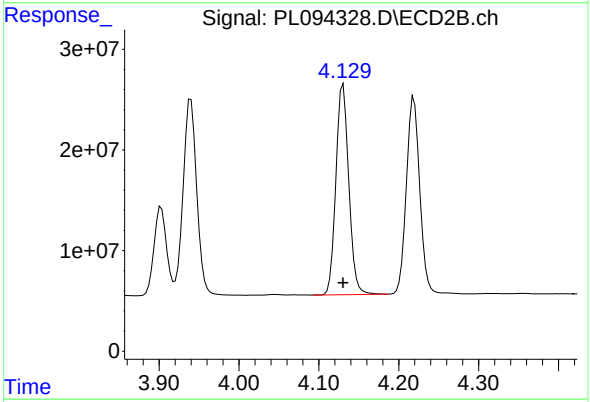
R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 95981772
Conc: 50.00 ng/ml



#7 delta-BHC

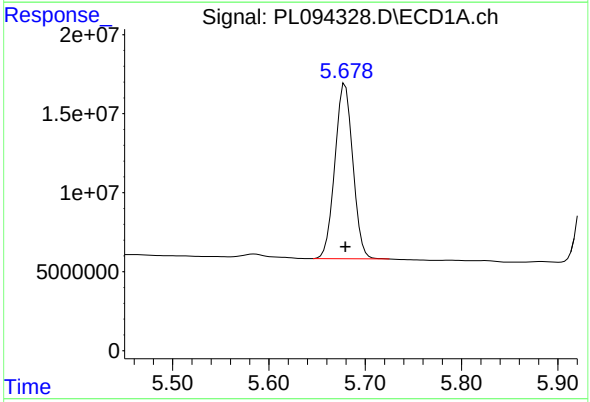
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 167662648
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



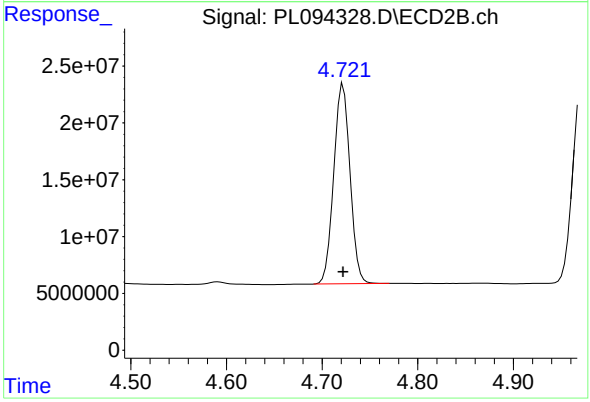
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: 0.000 min
Response: 234120361
Conc: 50.00 ng/ml



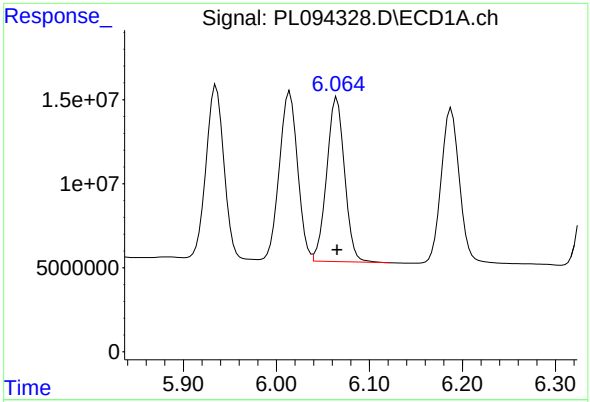
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 143405658
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

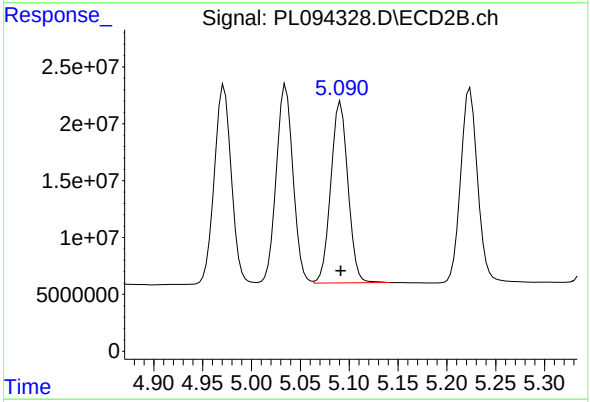
R.T.: 4.722 min
Delta R.T.: 0.000 min
Response: 208285034
Conc: 50.00 ng/ml



#9 Endosulfan I

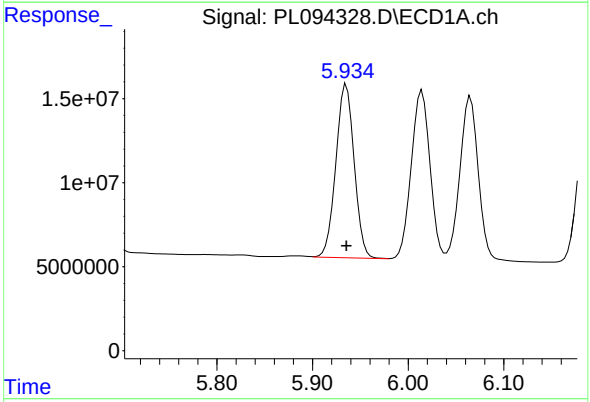
R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 130288984
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



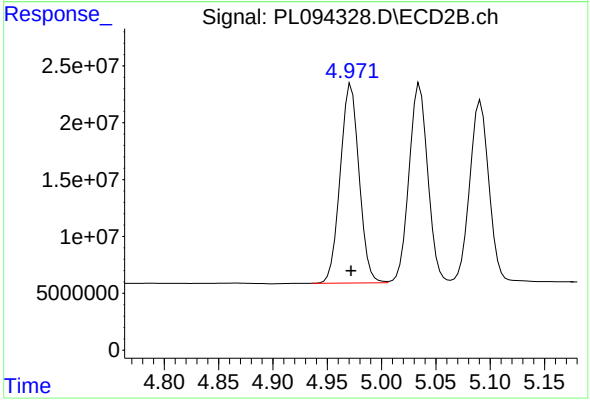
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: 0.000 min
Response: 195234153
Conc: 50.00 ng/ml



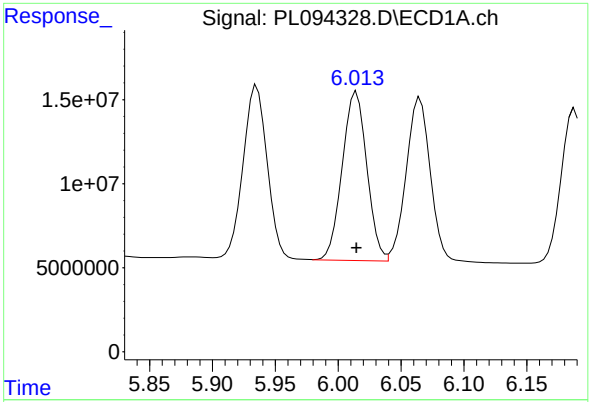
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 137659723
Conc: 50.00 ng/ml



#10 gamma-Chlordane

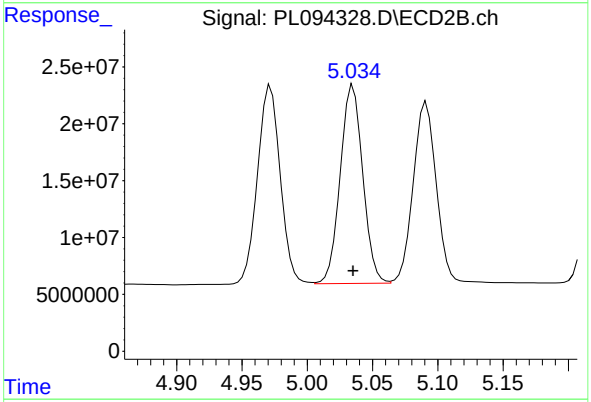
R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 211568956
Conc: 50.00 ng/ml



#11 alpha-Chlordane

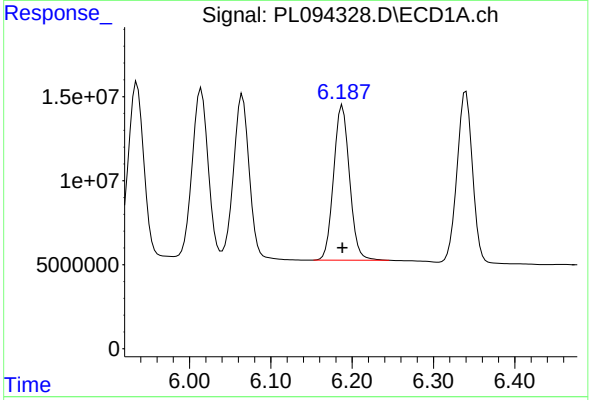
R.T.: 6.015 min
Delta R.T.: 0.000 min
Response: 136949047
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



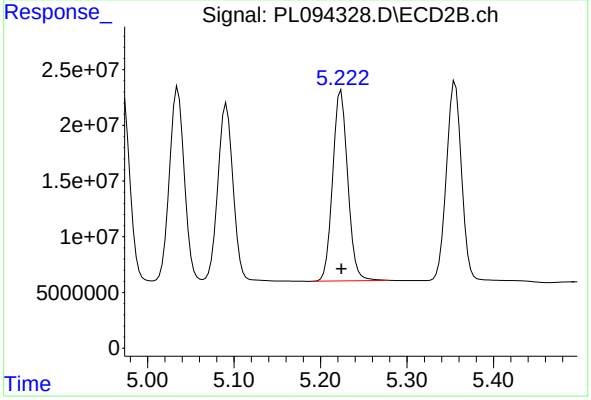
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 209576780
Conc: 50.00 ng/ml



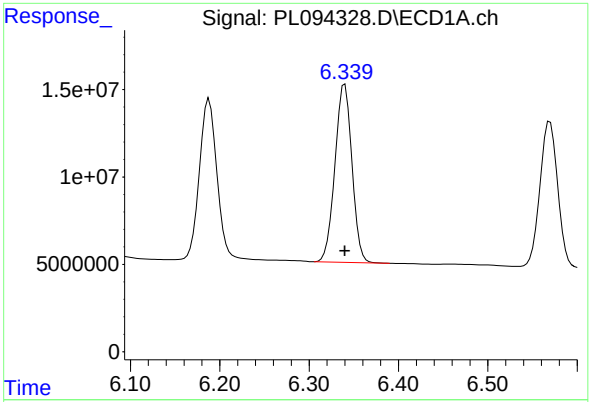
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 125330514
Conc: 50.00 ng/ml



#12 4,4'-DDE

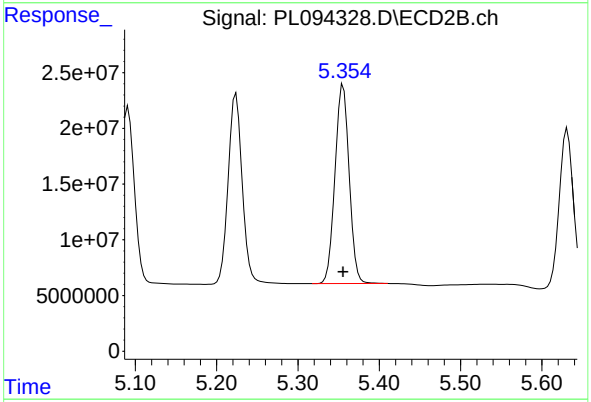
R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 205939758
Conc: 50.00 ng/ml



#13 Dieldrin

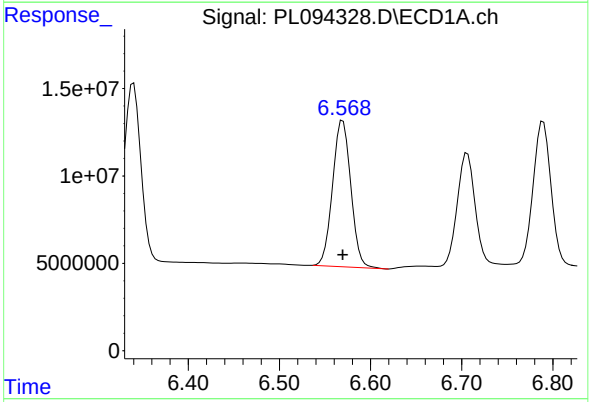
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 134678404
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



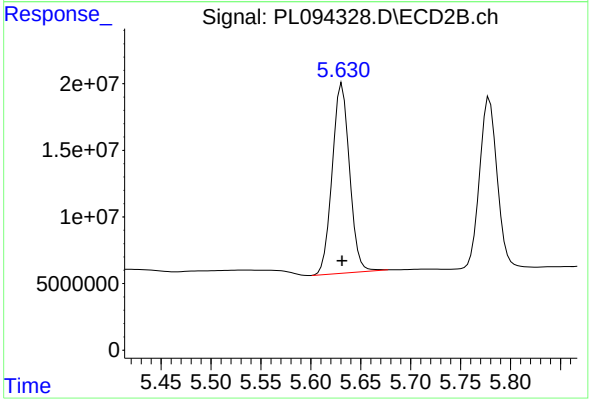
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 216387036
Conc: 50.00 ng/ml



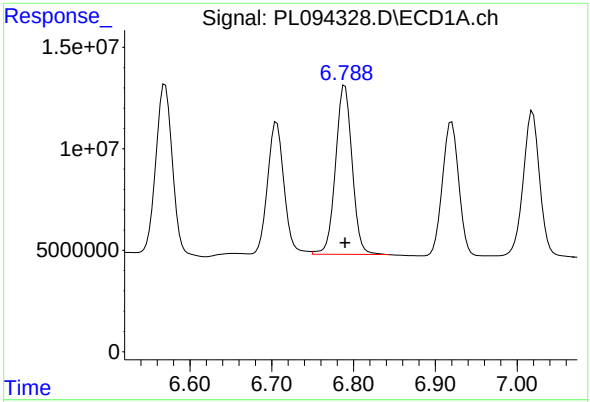
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 116757735
Conc: 50.00 ng/ml



#14 Endrin

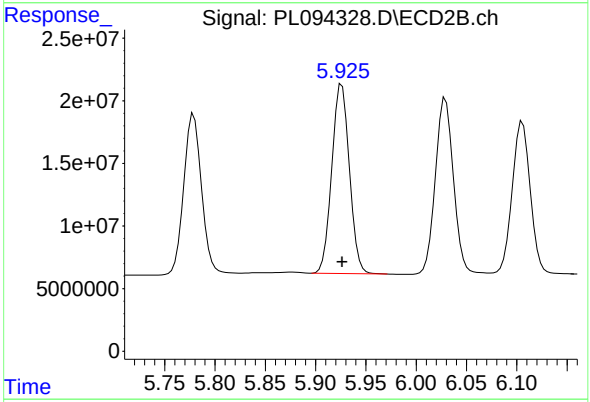
R.T.: 5.631 min
Delta R.T.: 0.000 min
Response: 171702932
Conc: 50.00 ng/ml



#15 Endosulfan II

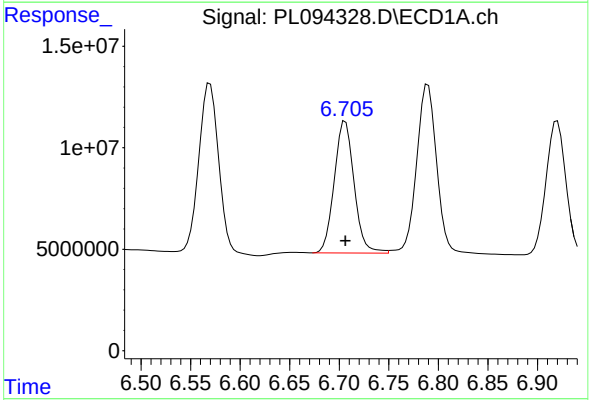
R.T.: 6.790 min
Delta R.T.: 0.000 min
Response: 116707263
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



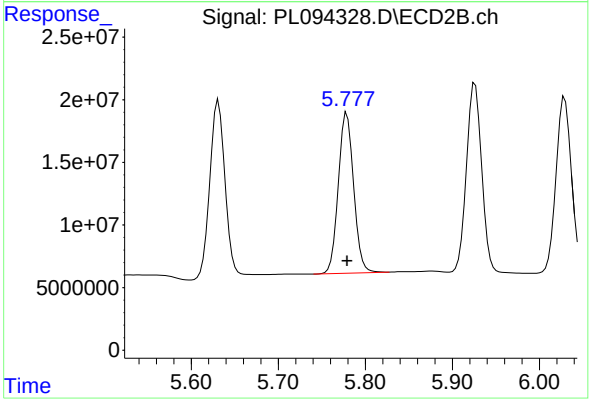
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 184064440
Conc: 50.00 ng/ml



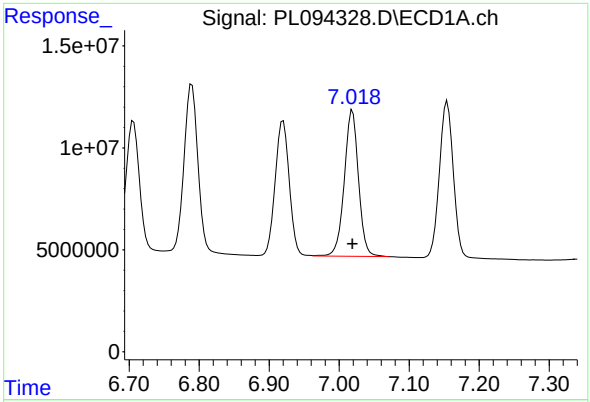
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 90515407
Conc: 50.00 ng/ml



#16 4,4'-DDD

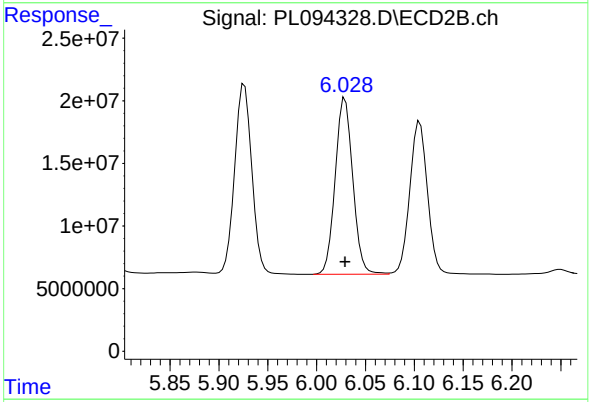
R.T.: 5.779 min
Delta R.T.: 0.000 min
Response: 156972295
Conc: 50.00 ng/ml



#17 4,4'-DDT

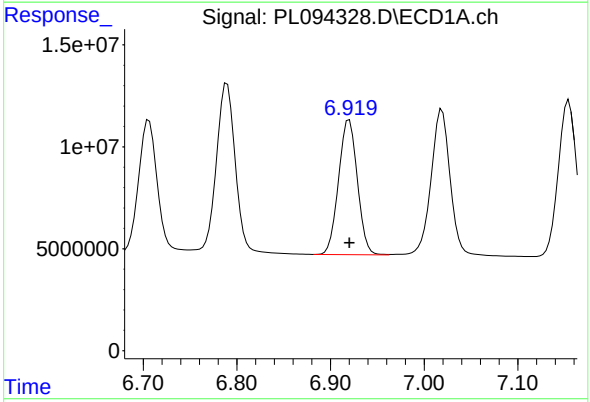
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 100985451
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



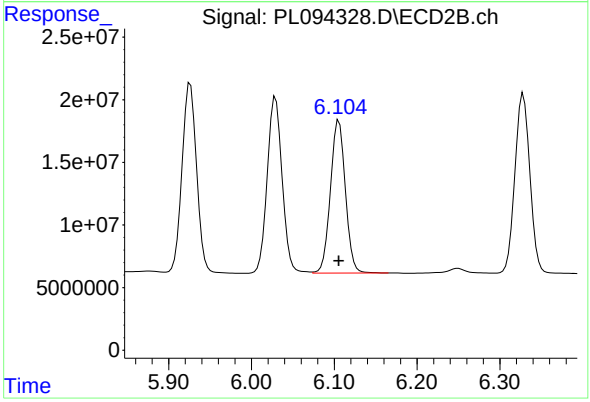
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 176484794
Conc: 50.00 ng/ml



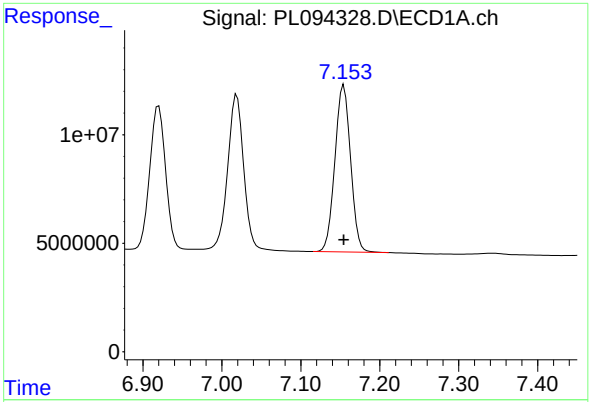
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 92370929
Conc: 50.00 ng/ml



#18 Endrin aldehyde

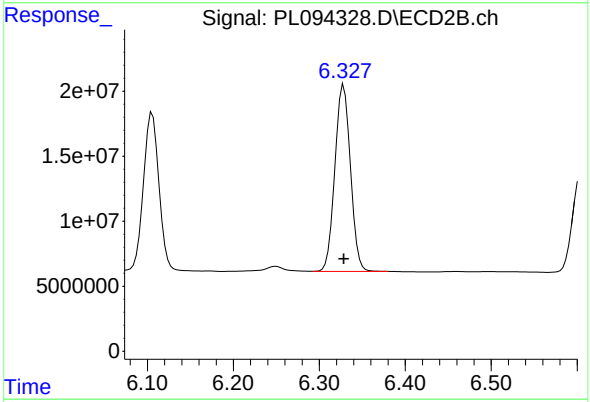
R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 153238458
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

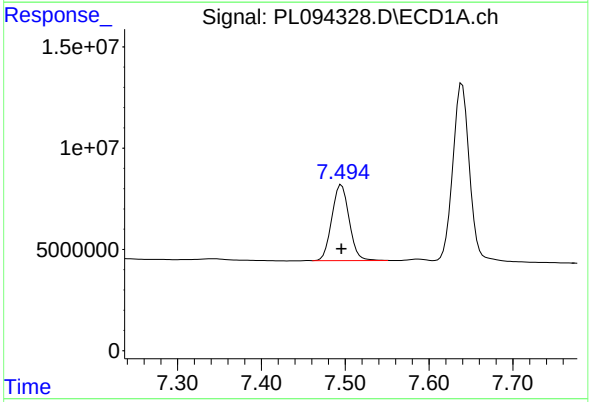
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 106215974
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



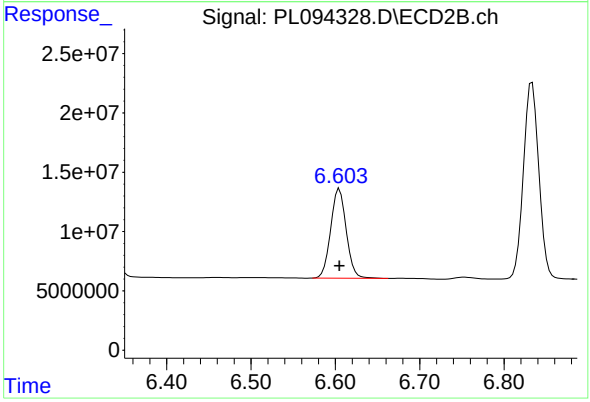
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 180464026
Conc: 50.00 ng/ml



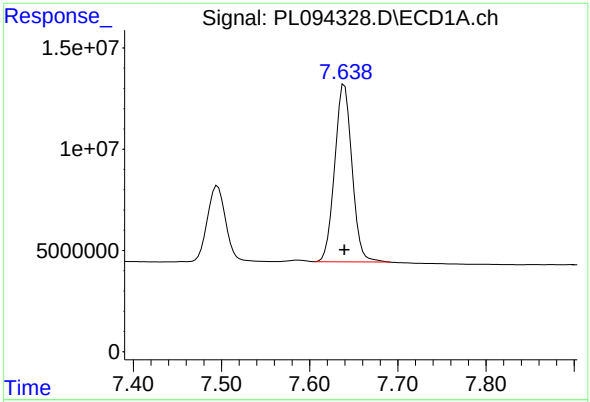
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 53641156
Conc: 50.00 ng/ml



#20 Methoxychlor

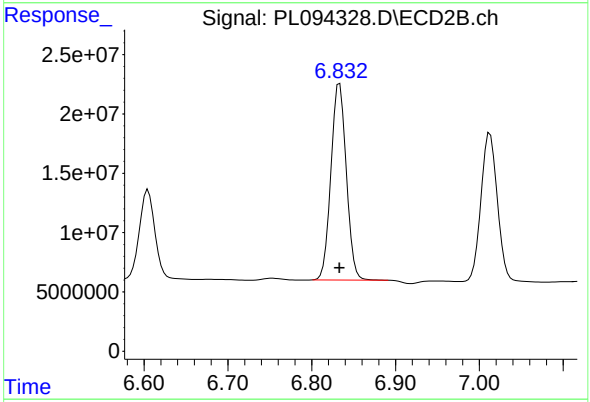
R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 96787465
Conc: 50.00 ng/ml



#21 Endrin ketone

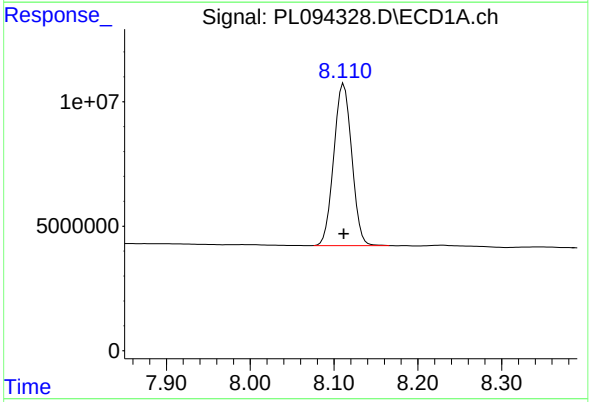
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 119498420
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



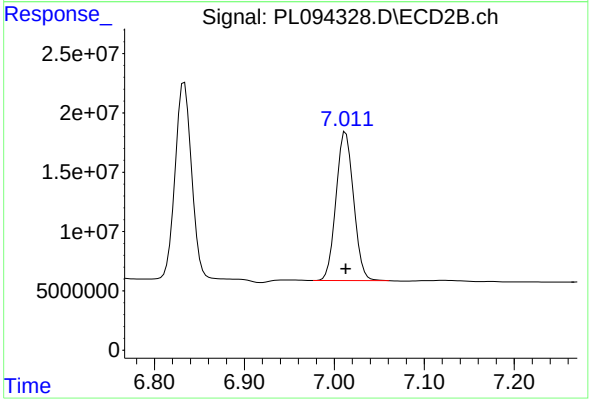
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 210651815
Conc: 50.00 ng/ml



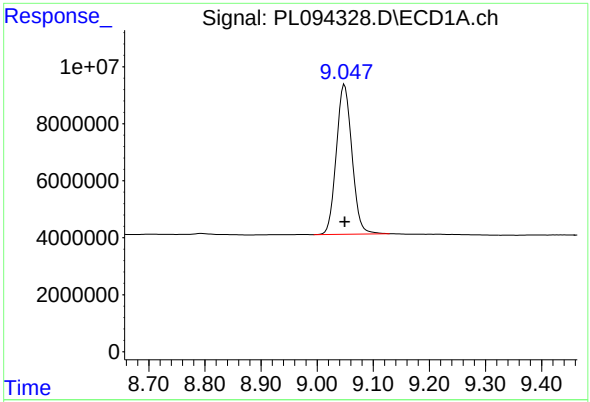
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 96984261
Conc: 50.00 ng/ml



#22 Mirex

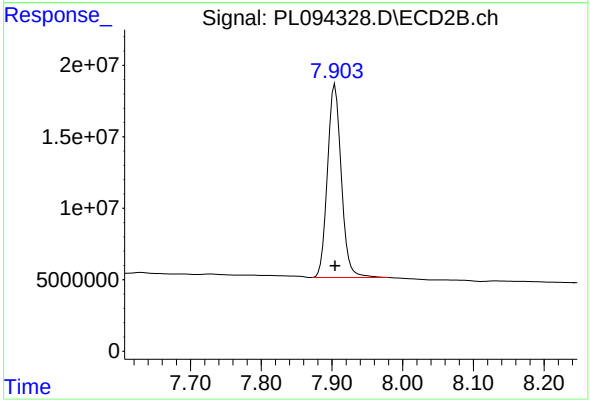
R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 169849806
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: 0.000 min
Response: 101531835
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 184099006
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:37
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: Feb 21 11:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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	2.771	65060344	79649212	26.243	25.170
28)	SA Decachlor...	9.049	7.905	55082778	95505363	27.100	25.783
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	94515519	119.7E6	25.541	24.067
3)	MA gamma-BHC...	4.325	3.604	92761866	115.2E6	25.719	24.185
4)	MA Heptachlor	4.913	3.942	86115609	117.0E6	26.324	24.801
5)	MB Aldrin	5.254	4.221	86928991	113.9E6	26.280	24.519
6)	B beta-BHC	4.524	3.904	41686104	49406972	27.118	25.366
7)	B delta-BHC	4.771	4.132	88045756	115.7E6	25.609	24.112
8)	B Heptachlo...	5.681	4.724	76876028	106.4E6	26.443	25.110
9)	A Endosulfan I	6.066	5.093	69593896	99489816	26.580	25.100
10)	B gamma-Chl...	5.937	4.974	73787635	107.5E6	26.404	24.896
11)	B alpha-Chl...	6.016	5.037	73419053	107.6E6	26.465	25.129
12)	B 4,4'-DDE	6.190	5.226	67623636	105.3E6	26.582	25.087
13)	MA Dieldrin	6.342	5.357	72547132	108.7E6	26.477	24.727
14)	MA Endrin	6.571	5.633	64078269	87471143	27.021	25.129
15)	B Endosulfa...	6.791	5.928	63395516	94176002	26.914	25.180
16)	A 4,4'-DDD	6.707	5.780	48378655	79168494	26.348	24.631
17)	MA 4,4'-DDT	7.021	6.031	53652973	88440476	26.428	24.644
18)	B Endrin al...	6.922	6.107	50501352	78974212	27.114	25.442
19)	B Endosulfa...	7.156	6.330	58130876	92670594	27.042	25.304
20)	A Methoxychlor	7.497	6.606	29029751	50159570	26.939	25.821
21)	B Endrin ke...	7.641	6.835	64585363	107.0E6	26.742	25.193
22)	Mirex	8.114	7.014	53883808	88624231	27.563	25.999

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

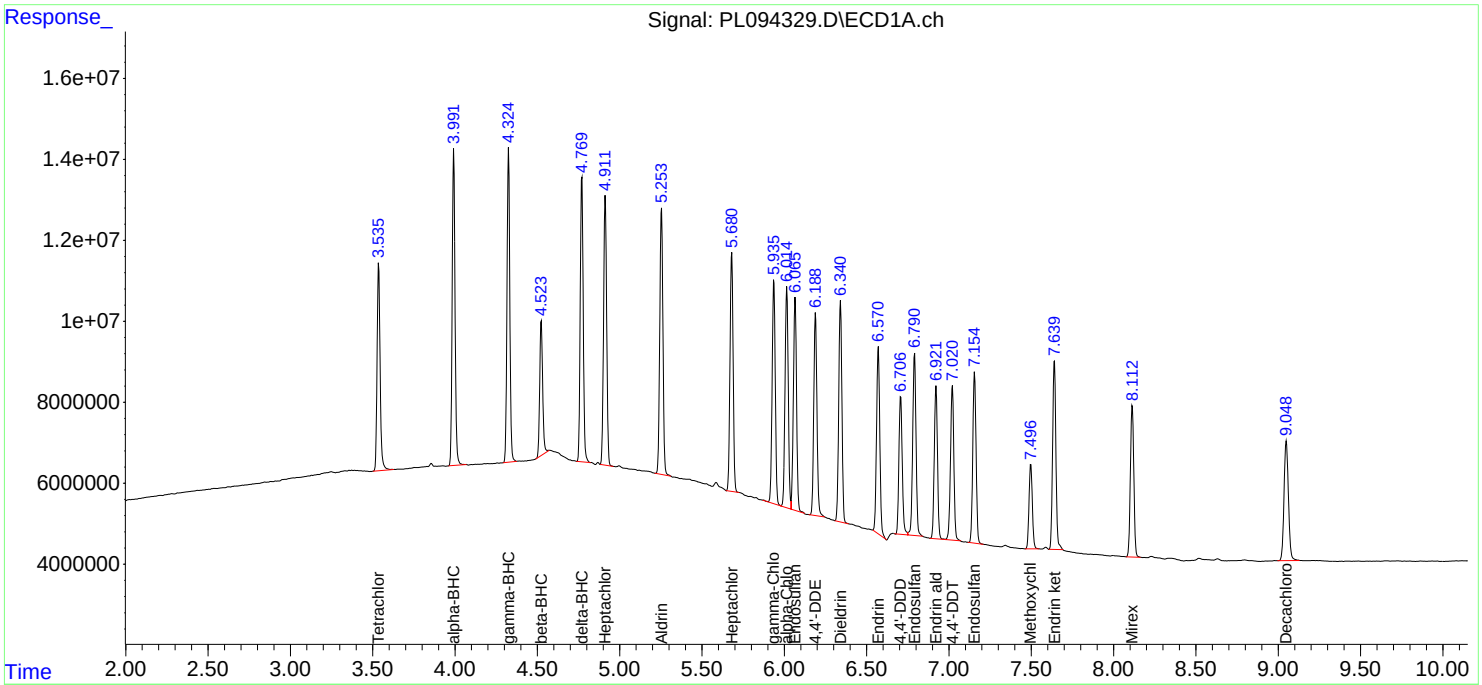
ICAL Form

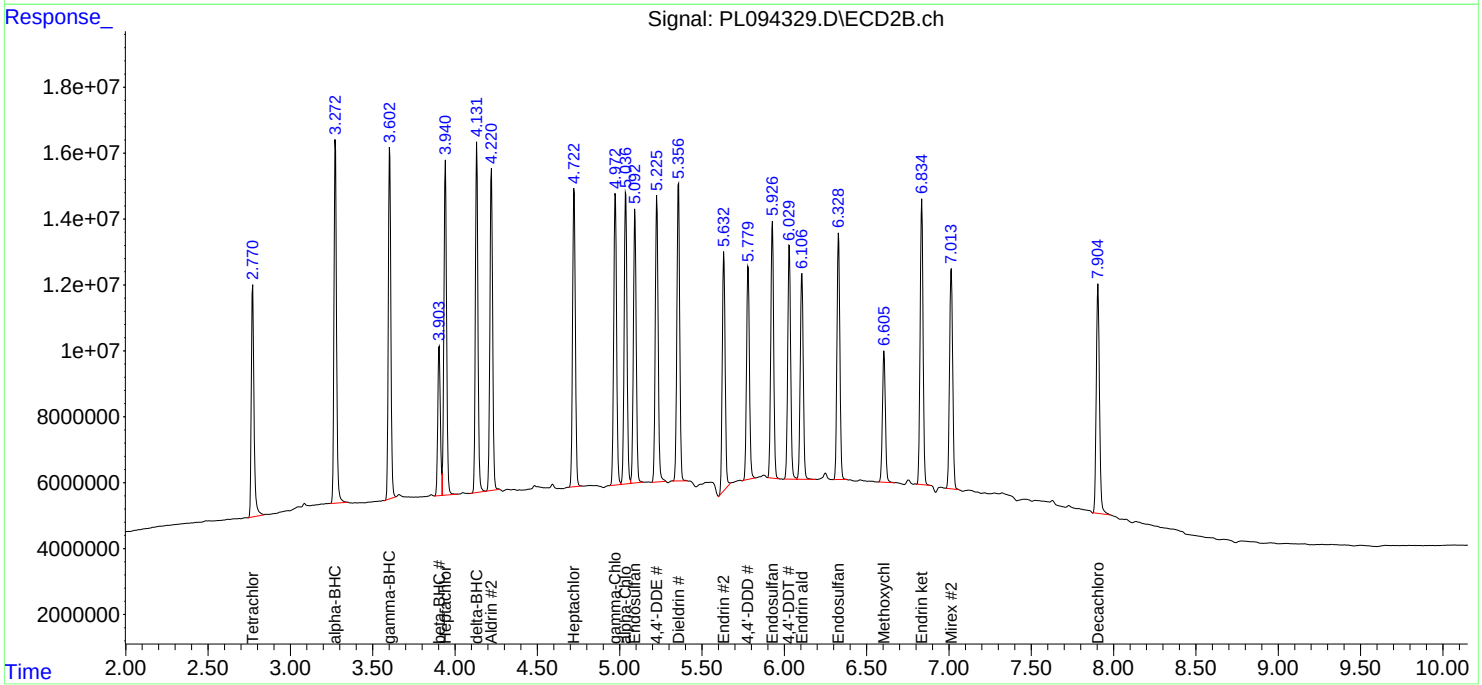
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

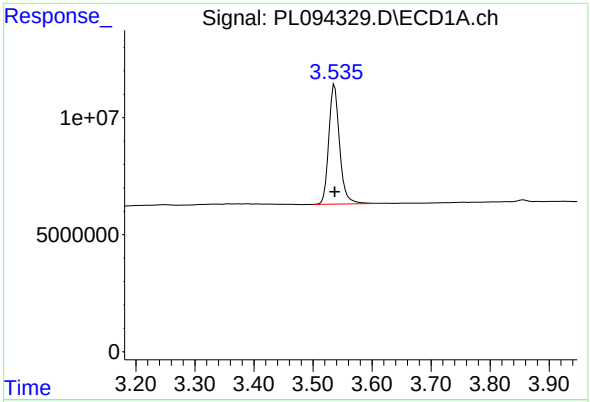
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 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



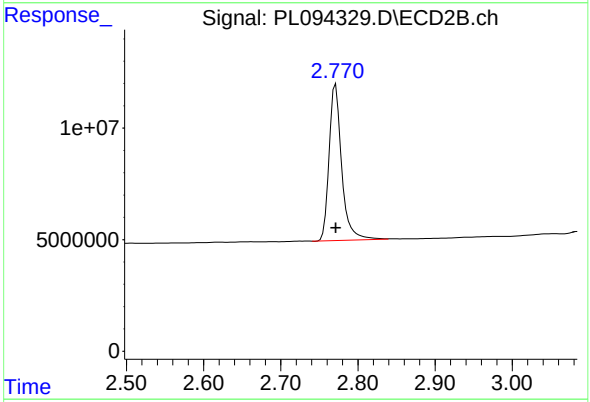




#1 Tetrachloro-m-xylene

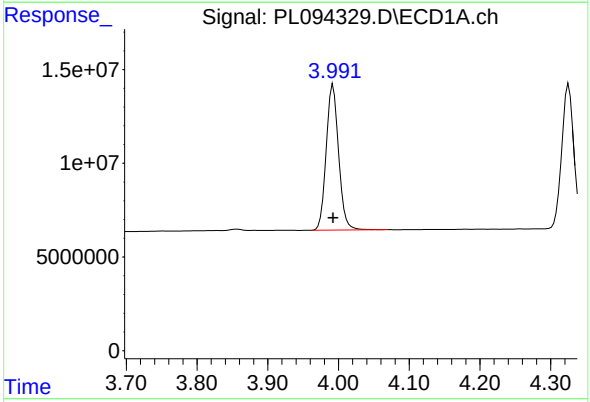
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 65060344
Conc: 26.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



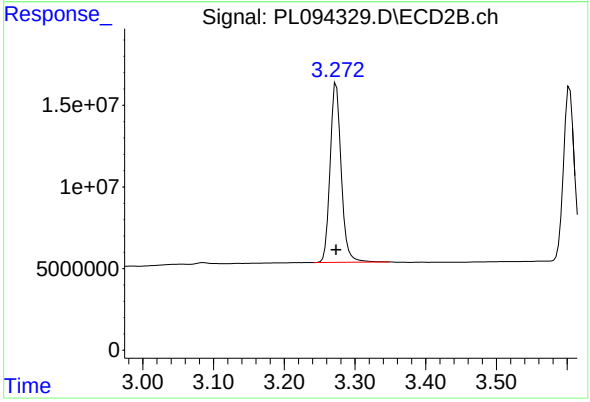
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 79649212
Conc: 25.17 ng/ml



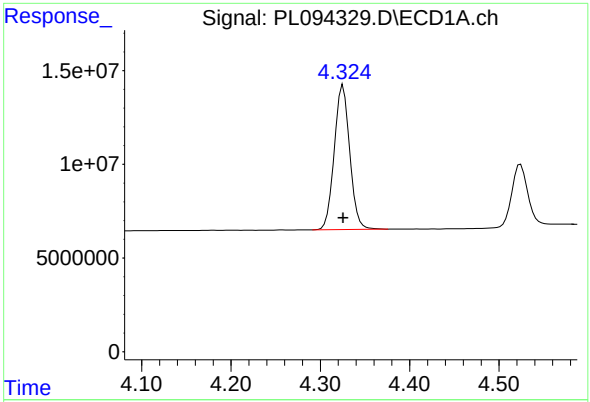
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 94515519
Conc: 25.54 ng/ml



#2 alpha-BHC

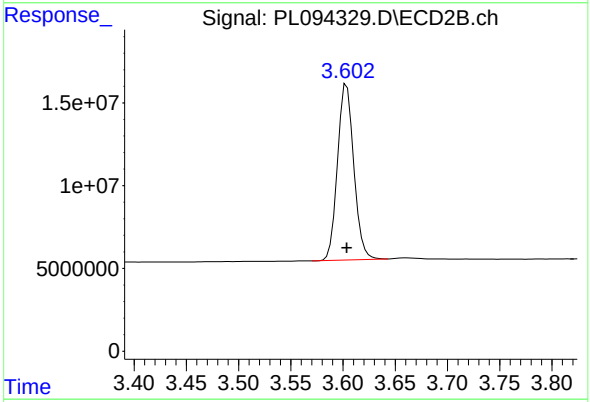
R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 119719952
Conc: 24.07 ng/ml



#3 gamma-BHC (Lindane)

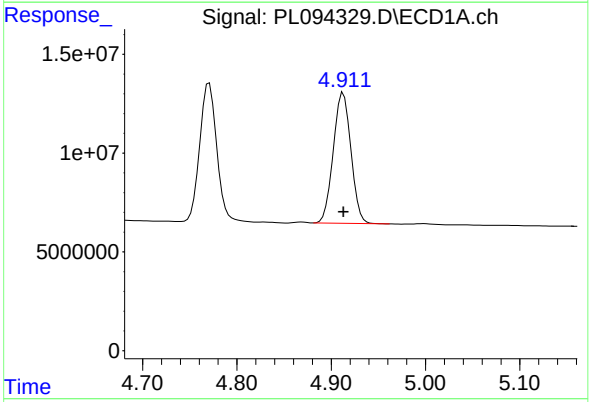
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 92761866
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



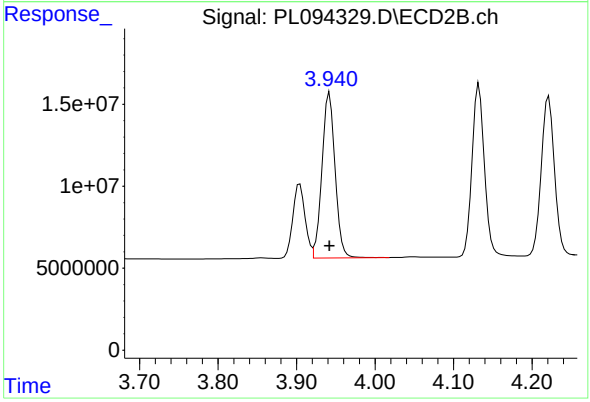
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 115159200
Conc: 24.18 ng/ml



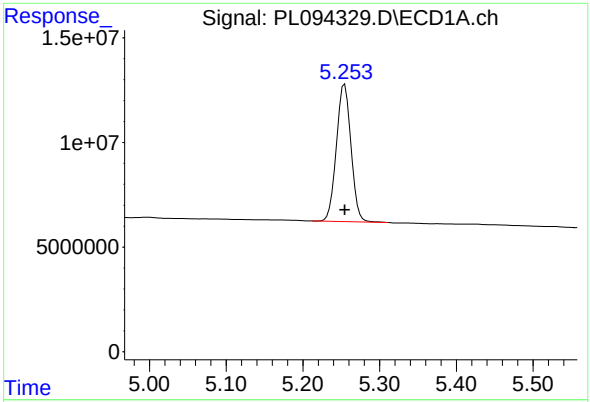
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 86115609
Conc: 26.32 ng/ml



#4 Heptachlor

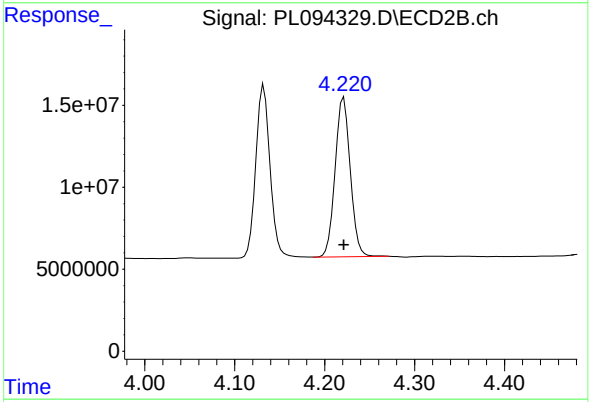
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 116990886
Conc: 24.80 ng/ml



#5 Aldrin

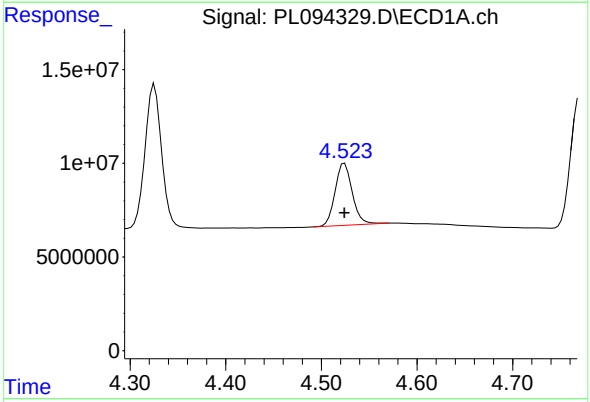
R.T.: 5.254 min
Delta R.T.: 0.000 min
Response: 86928991
Conc: 26.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



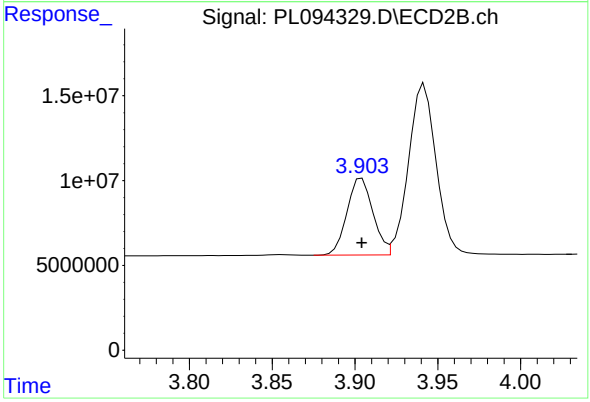
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 113898912
Conc: 24.52 ng/ml



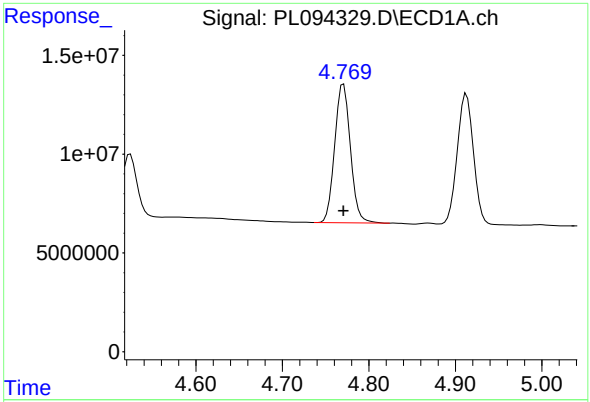
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 41686104
Conc: 27.12 ng/ml



#6 beta-BHC

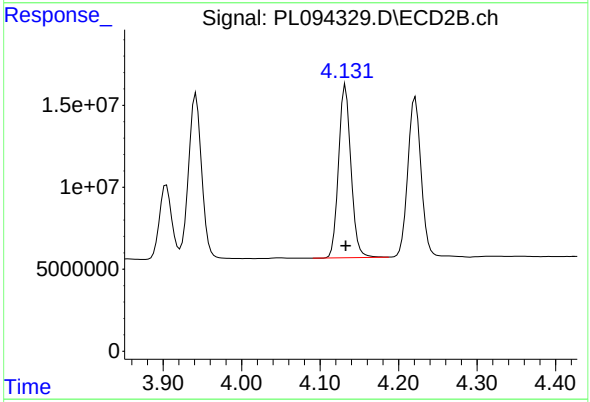
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 49406972
Conc: 25.37 ng/ml



#7 delta-BHC

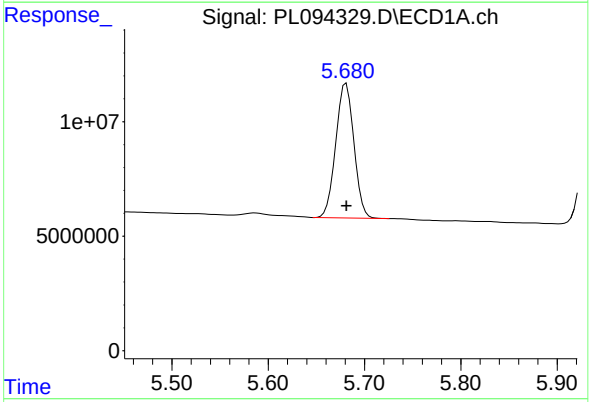
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 88045756
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



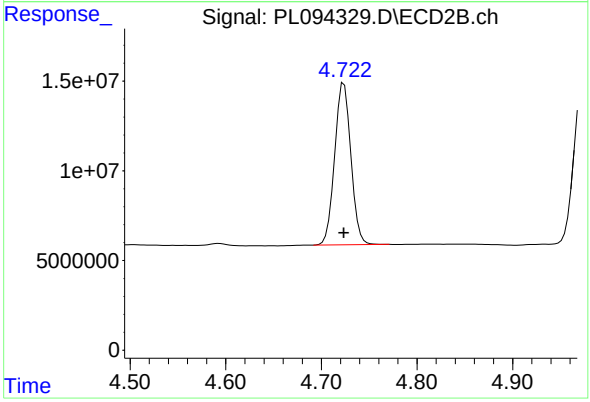
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.000 min
Response: 115658334
Conc: 24.11 ng/ml



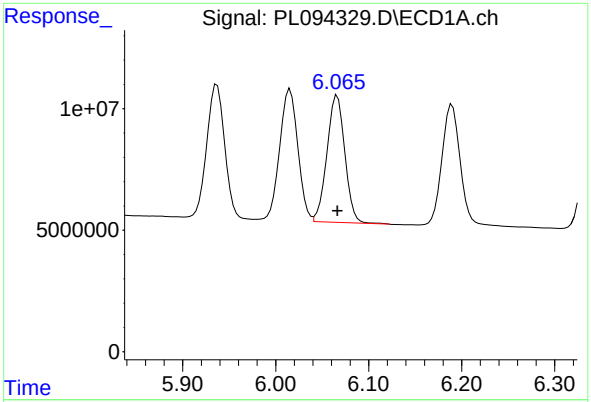
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 76876028
Conc: 26.44 ng/ml



#8 Heptachlor epoxide

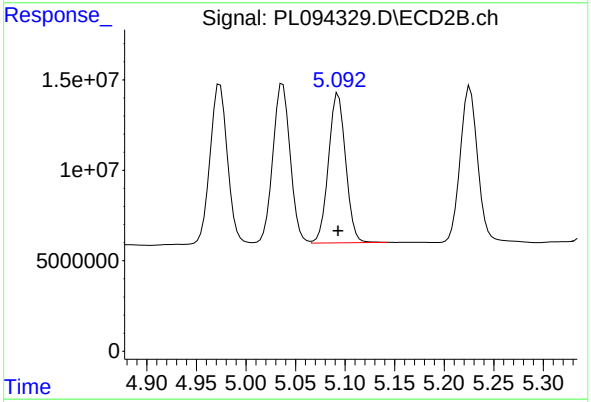
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 106428293
Conc: 25.11 ng/ml



#9 Endosulfan I

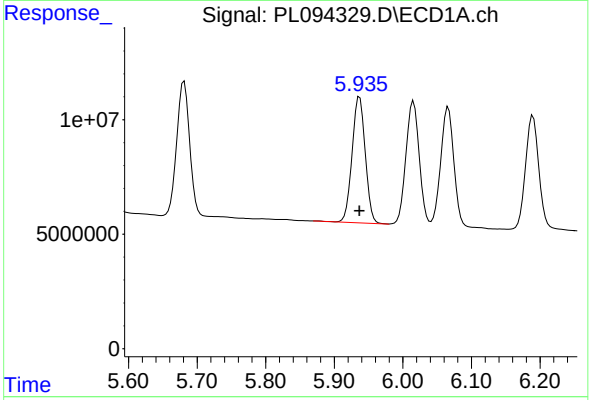
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 69593896
Conc: 26.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



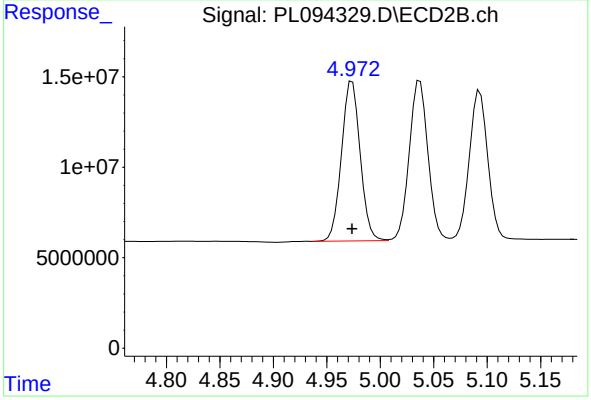
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 99489816
Conc: 25.10 ng/ml



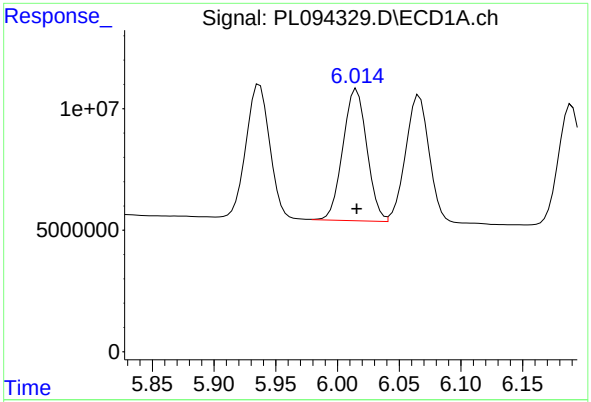
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 73787635
Conc: 26.40 ng/ml



#10 gamma-Chlordane

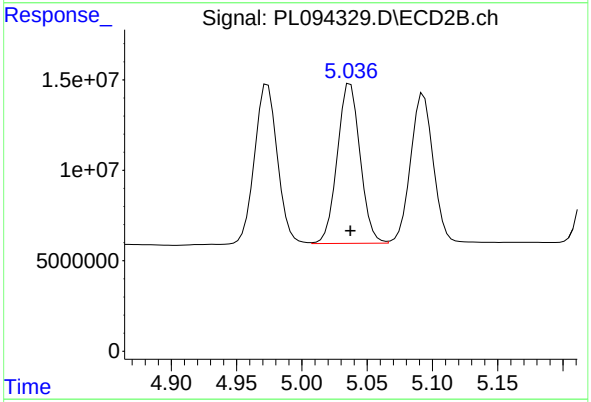
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 107541694
Conc: 24.90 ng/ml



#11 alpha-Chlordane

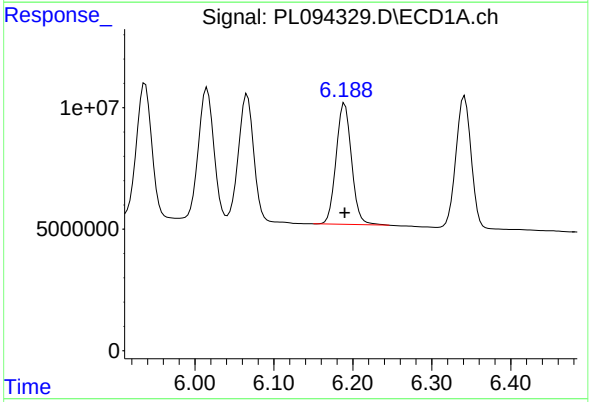
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 73419053
Conc: 26.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



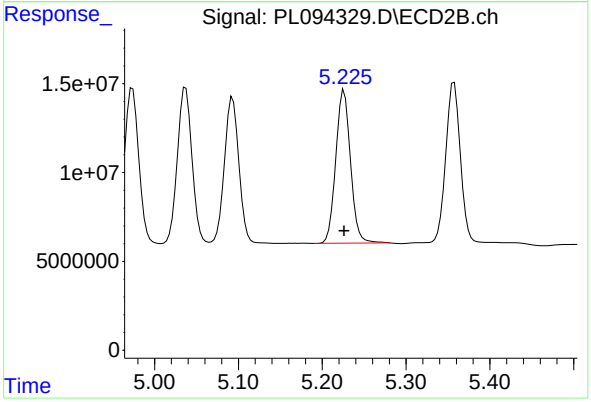
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 107599652
Conc: 25.13 ng/ml



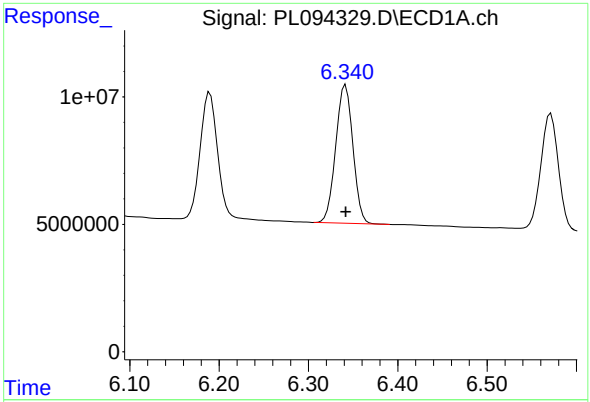
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 67623636
Conc: 26.58 ng/ml



#12 4,4'-DDE

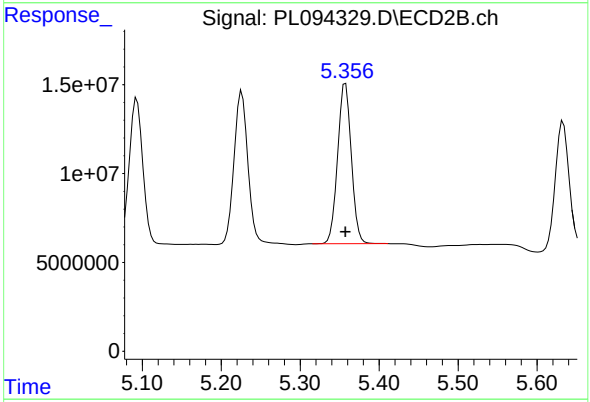
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 105345546
Conc: 25.09 ng/ml



#13 Dieldrin

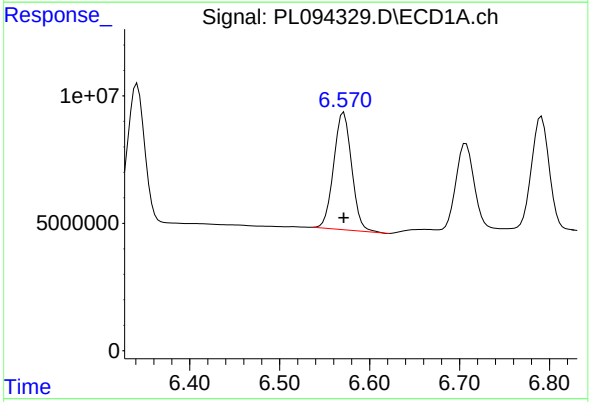
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 72547132
Conc: 26.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



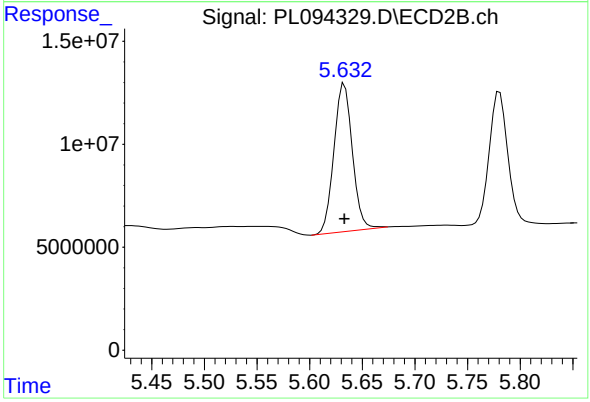
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 108692758
Conc: 24.73 ng/ml



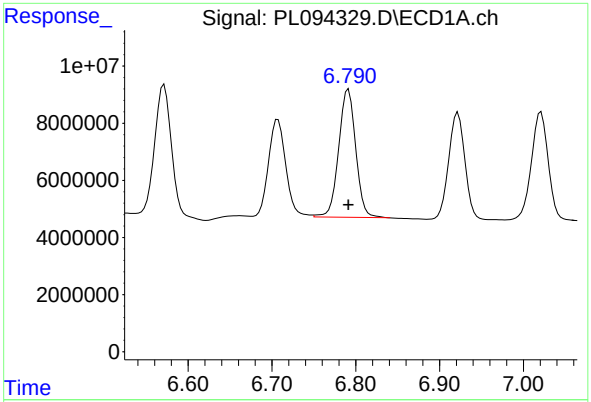
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 64078269
Conc: 27.02 ng/ml



#14 Endrin

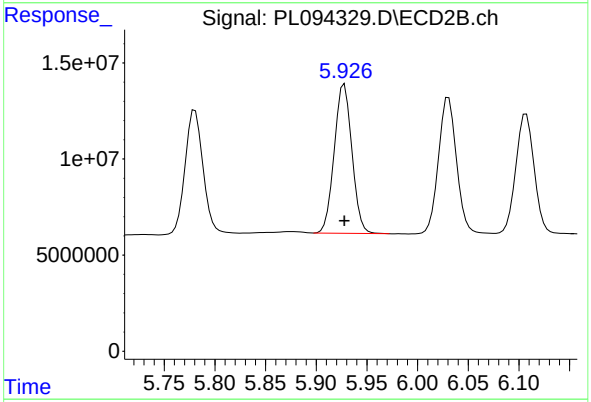
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 87471143
Conc: 25.13 ng/ml



#15 Endosulfan II

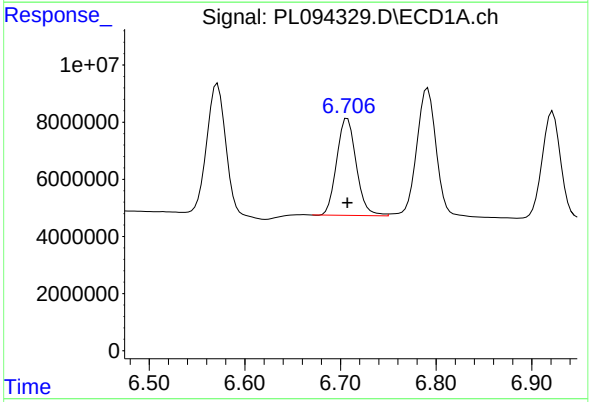
R.T.: 6.791 min
Delta R.T.: 0.000 min
Response: 63395516
Conc: 26.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



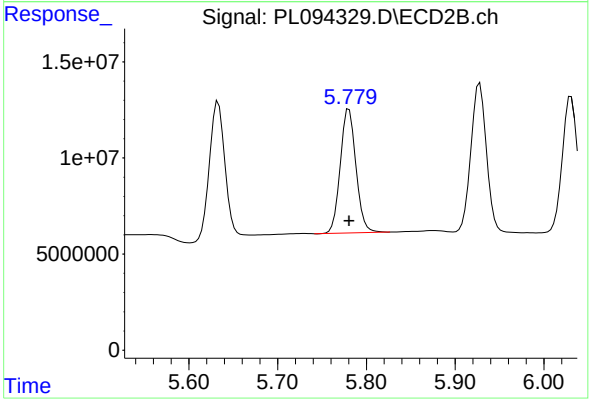
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 94176002
Conc: 25.18 ng/ml



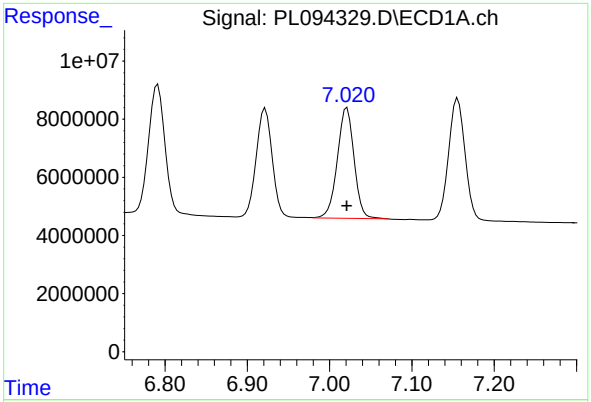
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 48378655
Conc: 26.35 ng/ml



#16 4,4'-DDD

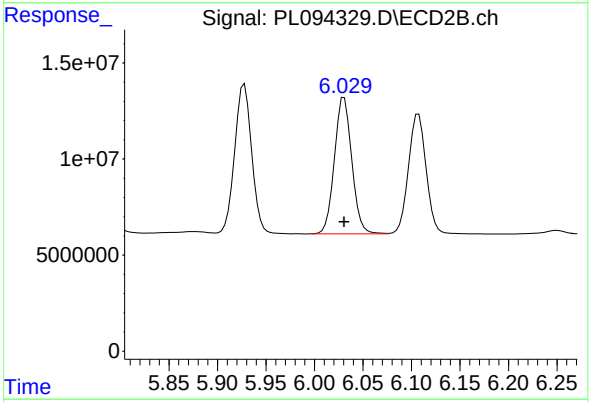
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 79168494
Conc: 24.63 ng/ml



#17 4,4'-DDT

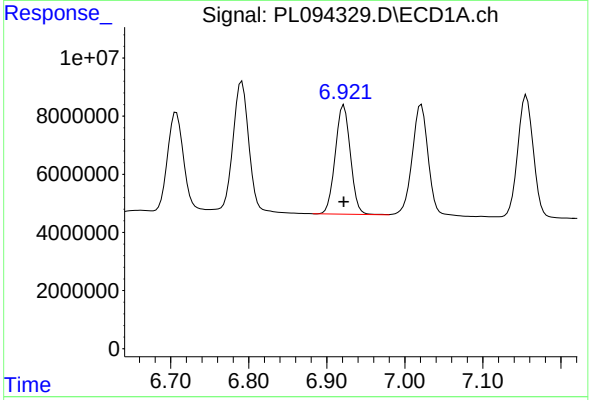
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 53652973
Conc: 26.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



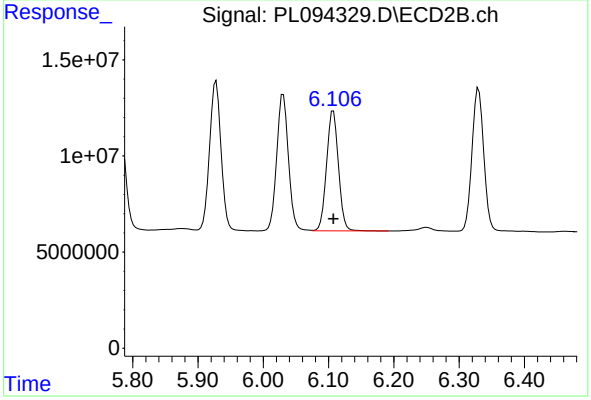
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 88440476
Conc: 24.64 ng/ml



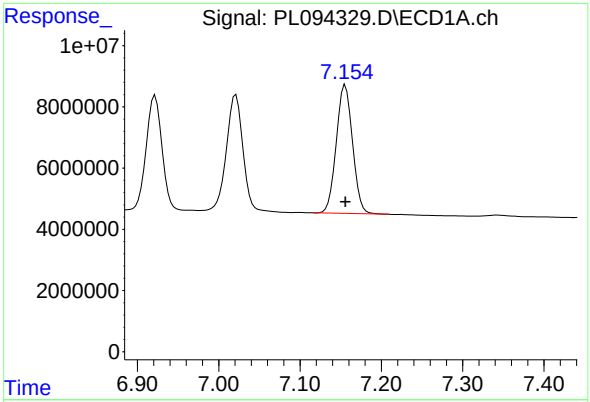
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 50501352
Conc: 27.11 ng/ml



#18 Endrin aldehyde

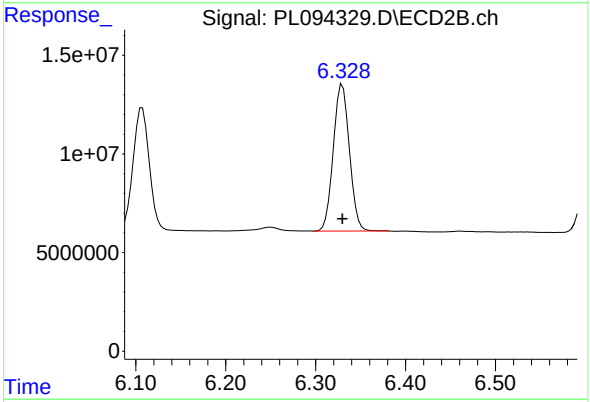
R.T.: 6.107 min
Delta R.T.: 0.000 min
Response: 78974212
Conc: 25.44 ng/ml



#19 Endosulfan Sulfate

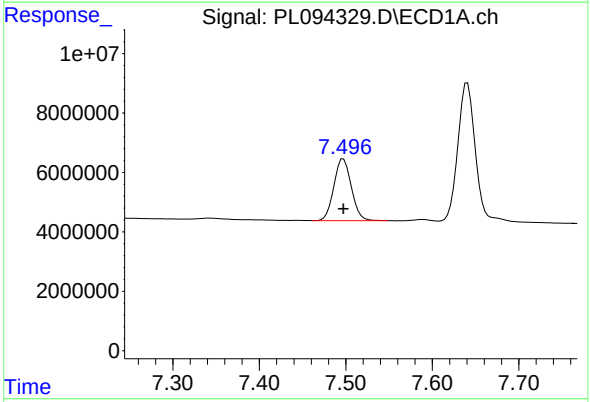
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 58130876
Conc: 27.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



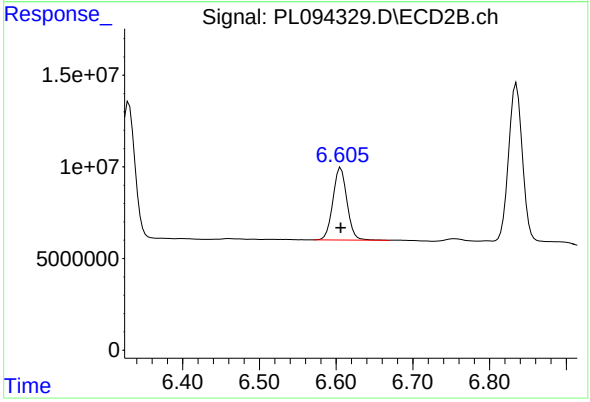
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 92670594
Conc: 25.30 ng/ml



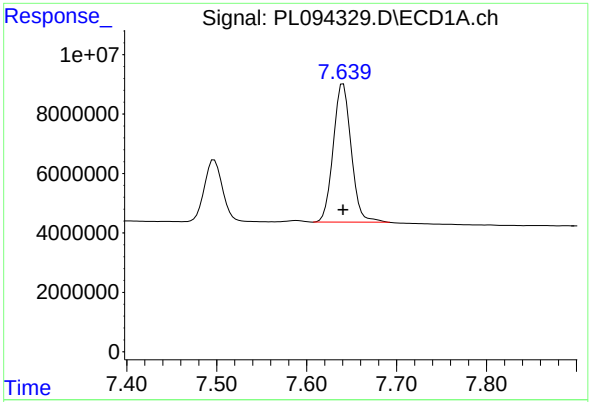
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 29029751
Conc: 26.94 ng/ml



#20 Methoxychlor

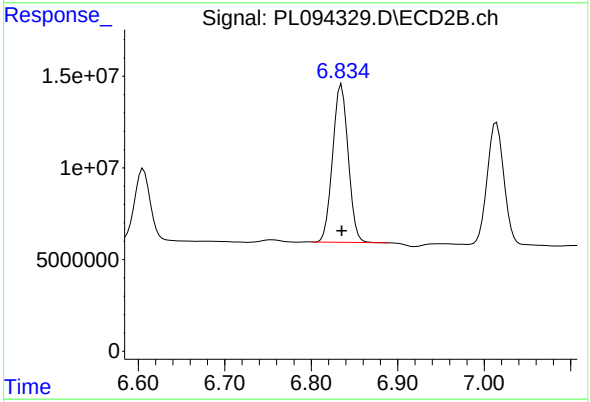
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 50159570
Conc: 25.82 ng/ml



#21 Endrin ketone

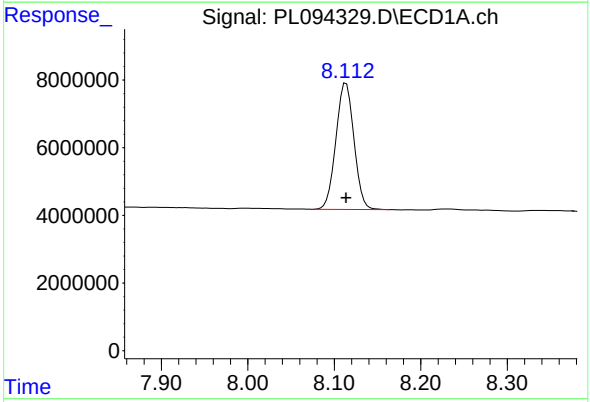
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 64585363
Conc: 26.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



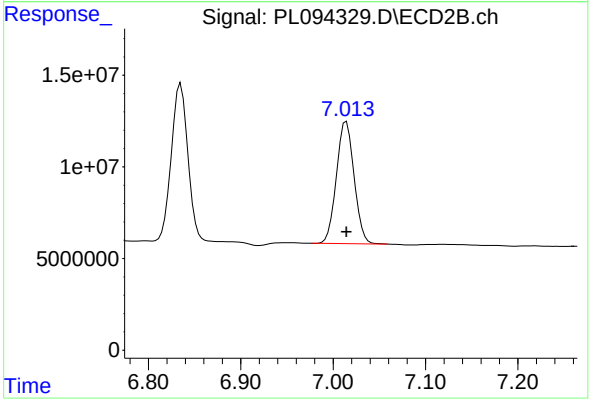
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 107037617
Conc: 25.19 ng/ml



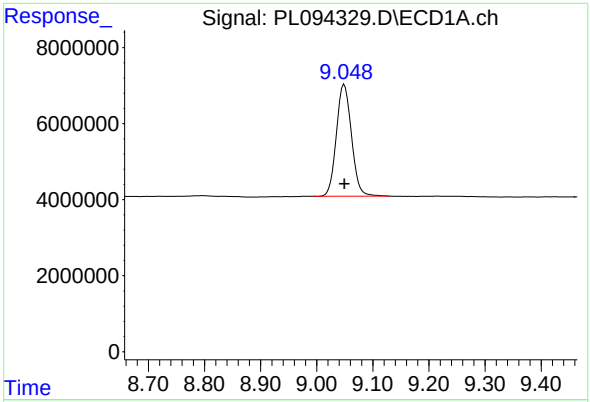
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 53883808
Conc: 27.56 ng/ml



#22 Mirex

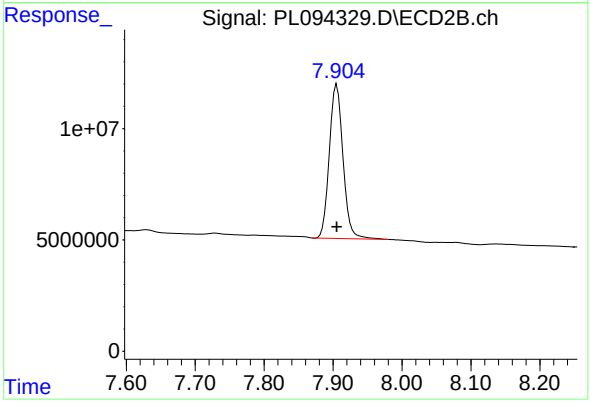
R.T.: 7.014 min
Delta R.T.: 0.000 min
Response: 88624231
Conc: 26.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: 0.000 min
Response: 55082778
Conc: 27.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 95505363
Conc: 25.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:05:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 12:05:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm 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	2.770	13893921	16489455	5.472	5.167
28)	SA Decachlor...	9.048	7.903	12529853	22056508	5.890	5.825
	Target Compounds						
2)	A alpha-BHC	3.991	3.272	20555635	23378782	5.434	4.757
3)	MA gamma-BHC...	4.324	3.602	20233816	22516168	5.476	4.781
4)	MA Heptachlor	4.910	3.940	19331180	23664695	5.702	5.013
5)	MB Aldrin	5.252	4.219	19638030	22603672	5.722	4.892
6)	B beta-BHC	4.522	3.903	9178854	10767585	5.748	5.414
7)	B delta-BHC	4.769	4.130	19696306	22459963	5.567	4.743
8)	B Heptachlo...	5.679	4.721	17190524	21613421	5.705	5.079
9)	A Endosulfan I	6.064	5.091	16349376	20388990	5.948	5.114
10)	B gamma-Chl...	5.935	4.971	17511768	22076795	5.964	5.088
11)	B alpha-Chl...	6.014	5.035	16944160	22301049	5.849	5.165
12)	B 4,4'-DDE	6.187	5.224	14413995	21016395	5.519	5.004
13)	MA Dieldrin	6.339	5.355	16426240	21629306	5.766	4.936
14)	MA Endrin	6.569	5.629	16379313	15500218	6.418	4.563m#
15)	B Endosulfa...	6.789	5.925	15821204	18687102	6.285	4.997
16)	A 4,4'-DDD	6.705	5.778	9520371	15348463	5.147	4.819
17)	MA 4,4'-DDT	7.019	6.028	11898212	17151631	5.666	4.822
18)	B Endrin al...	6.919	6.105	11418647	16928007	5.865	5.356
19)	B Endosulfa...	7.153	6.328	13602762	19096639	6.009	5.170
20)	A Methoxychlor	7.495	6.603	6223633	9924447	5.602	5.087
21)	B Endrin ke...	7.637	6.833	14369746	21715057	5.719m	5.088
22)	Mirex	8.111	7.012	12483245	19001728	6.050	5.449

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

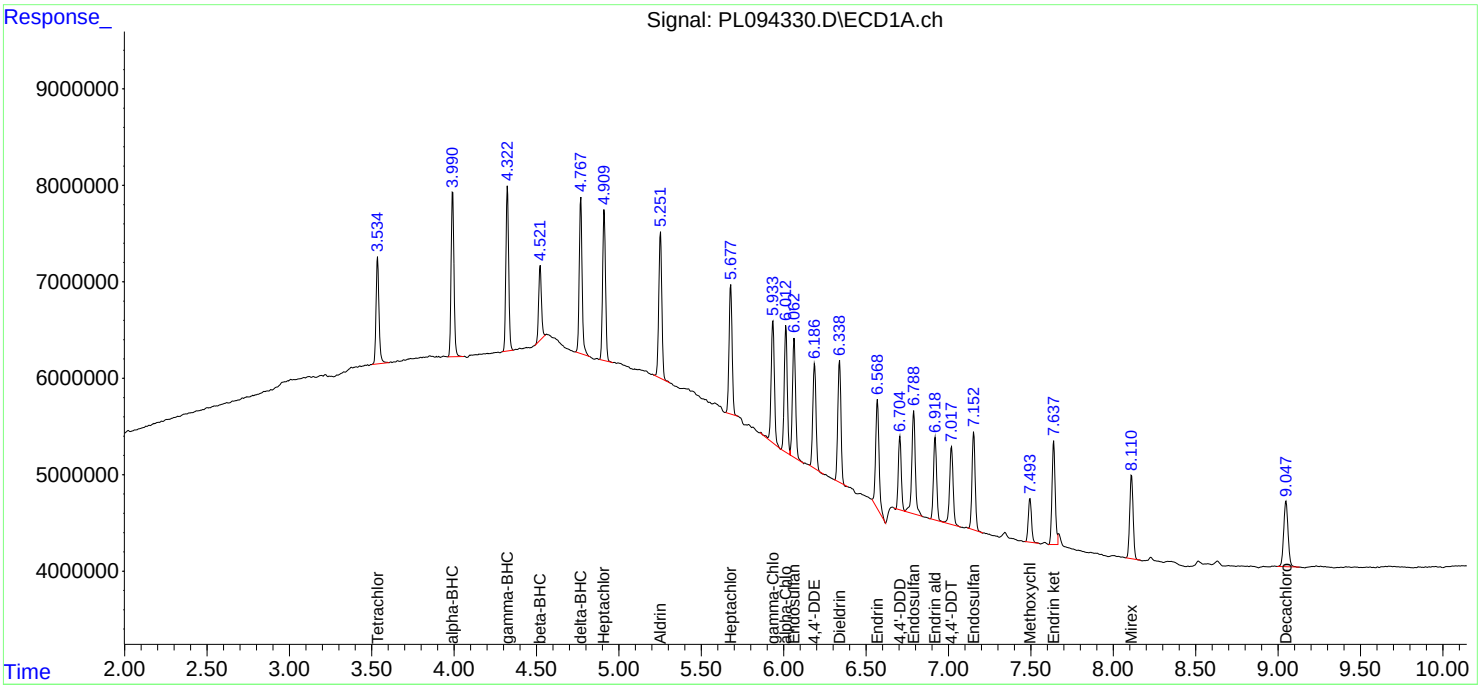
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

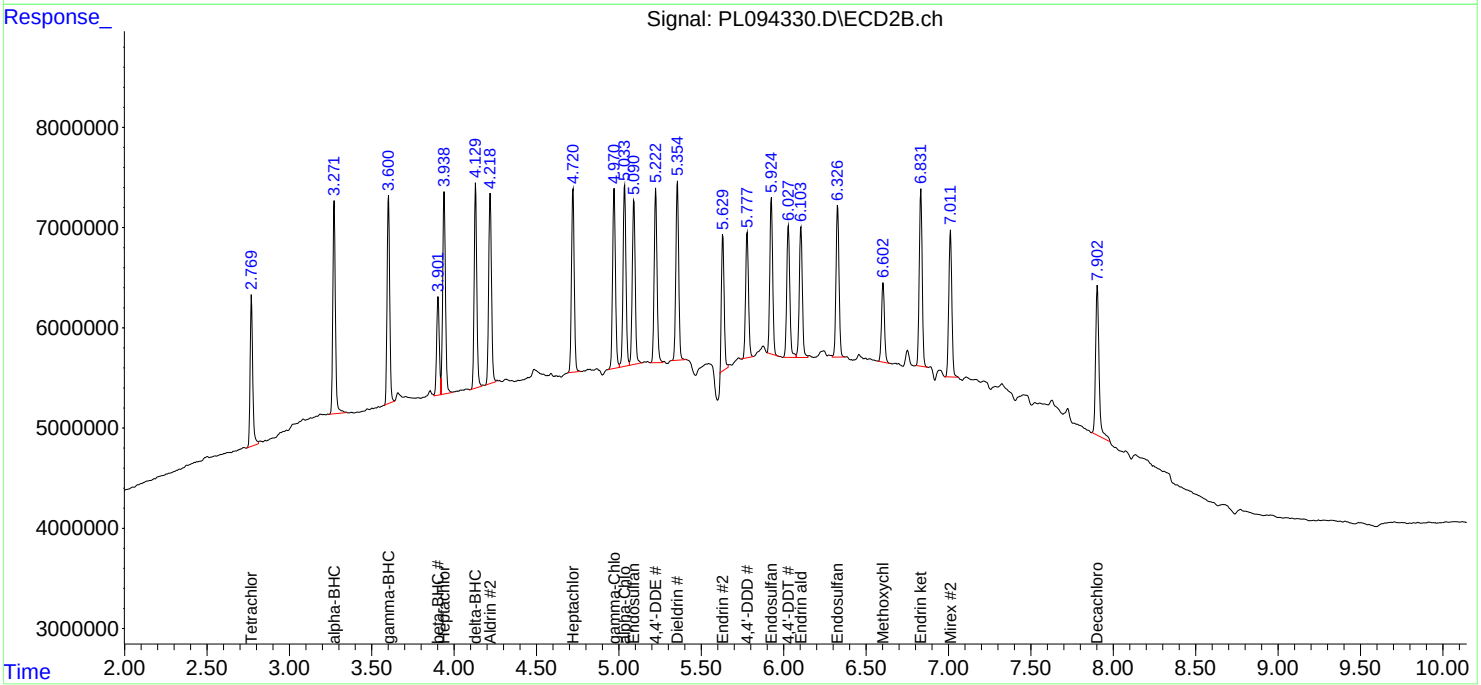
Manual Integrations APPROVED

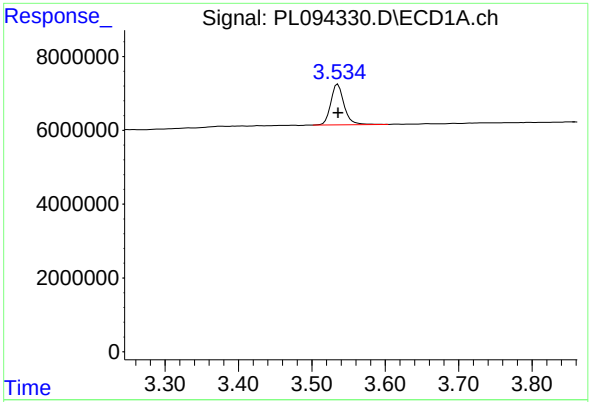
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:05:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 12:05:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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







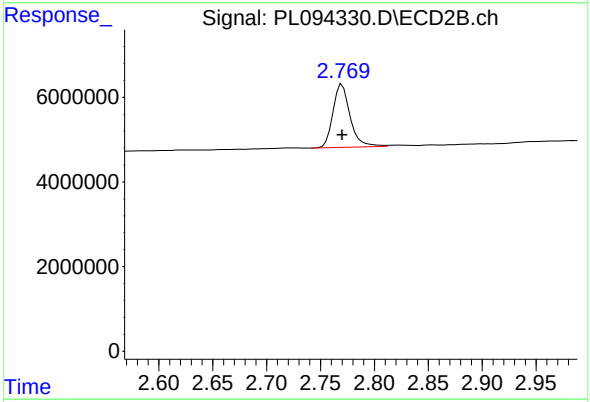
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 13893921
Conc: 5.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

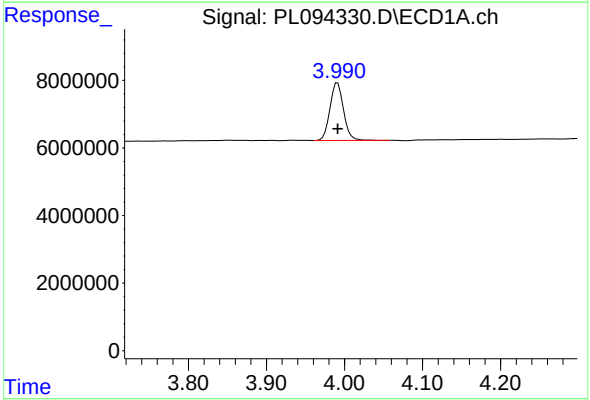
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



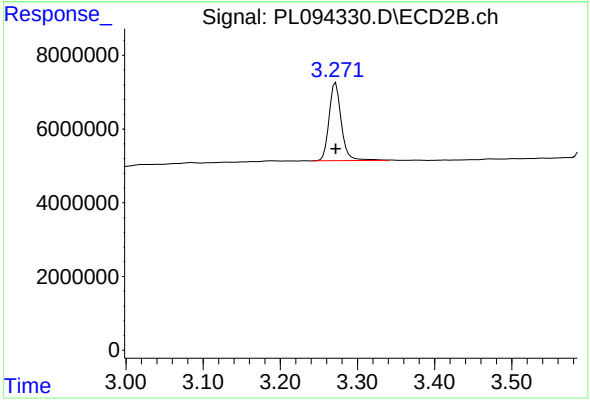
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 16489455
Conc: 5.17 ng/ml



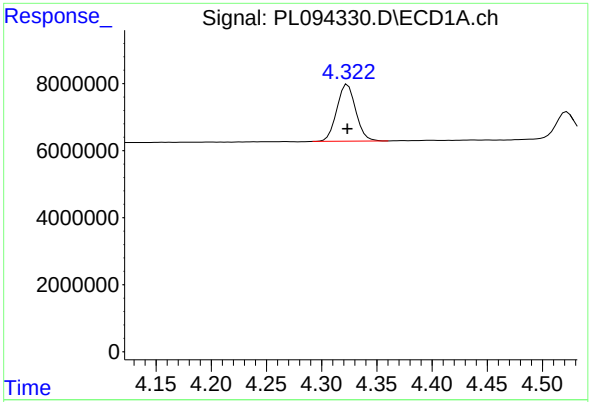
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 20555635
Conc: 5.43 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 23378782
Conc: 4.76 ng/ml



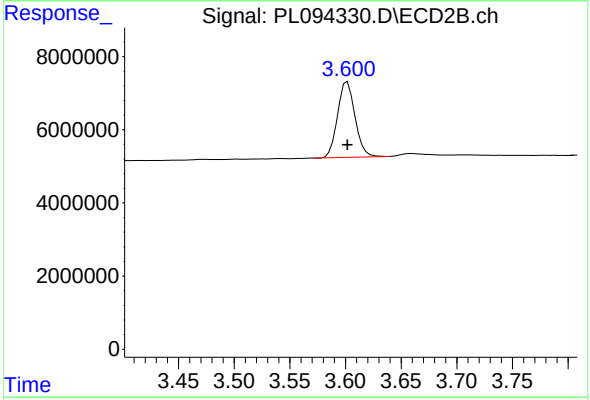
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 20233816
Conc: 5.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

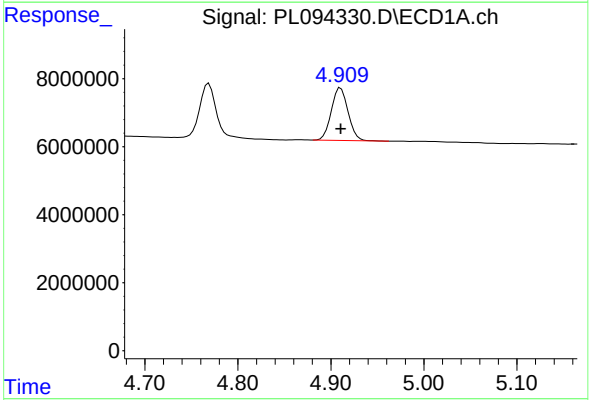
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



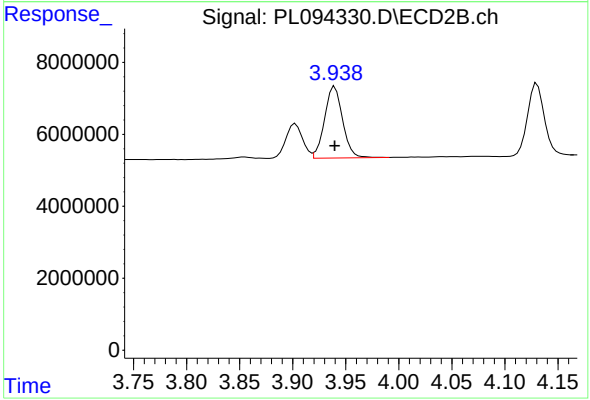
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: 0.000 min
Response: 22516168
Conc: 4.78 ng/ml



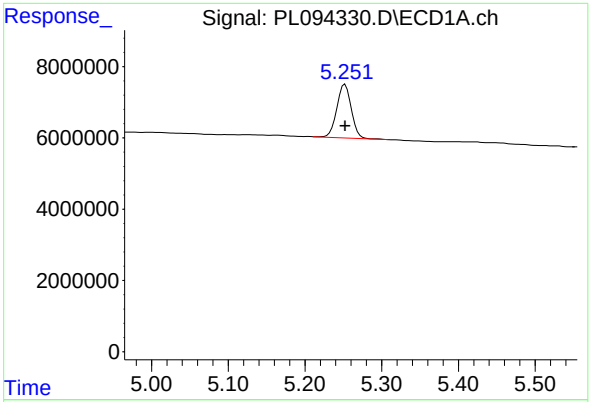
#4 Heptachlor

R.T.: 4.910 min
Delta R.T.: 0.000 min
Response: 19331180
Conc: 5.70 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 23664695
Conc: 5.01 ng/ml



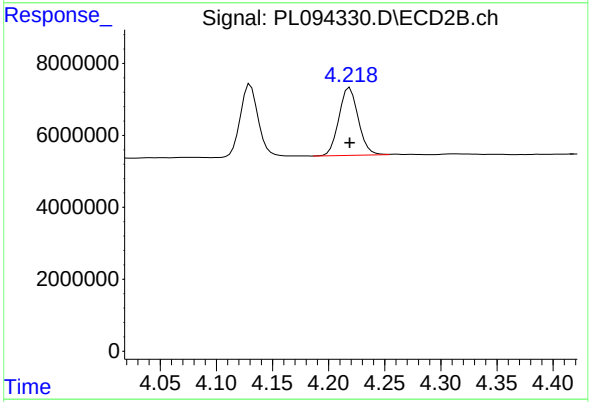
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: 0.000 min
Response: 19638030
Conc: 5.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

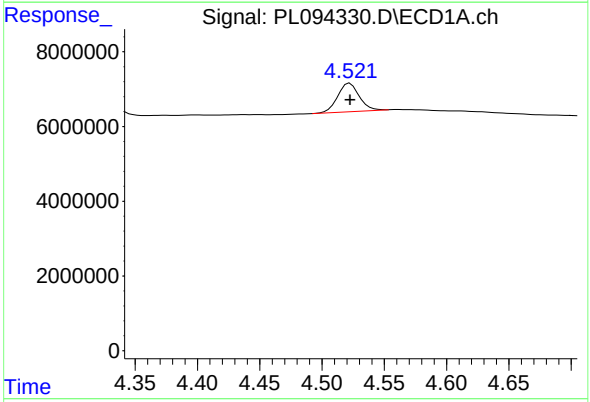
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



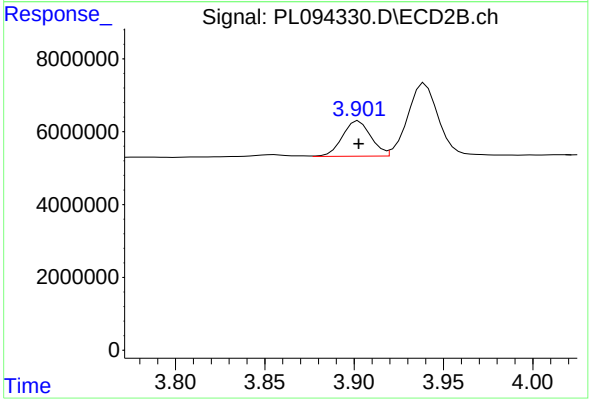
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: 0.000 min
Response: 22603672
Conc: 4.89 ng/ml



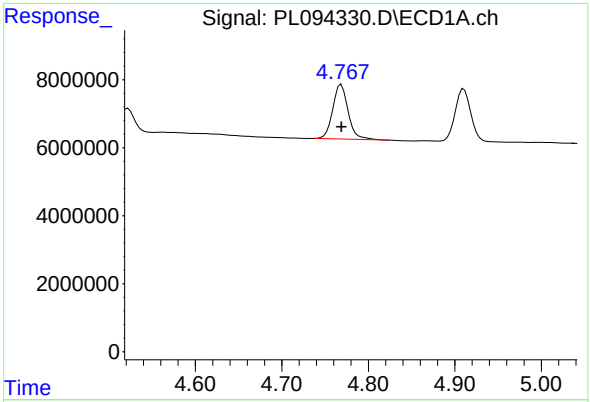
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 9178854
Conc: 5.75 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 10767585
Conc: 5.41 ng/ml



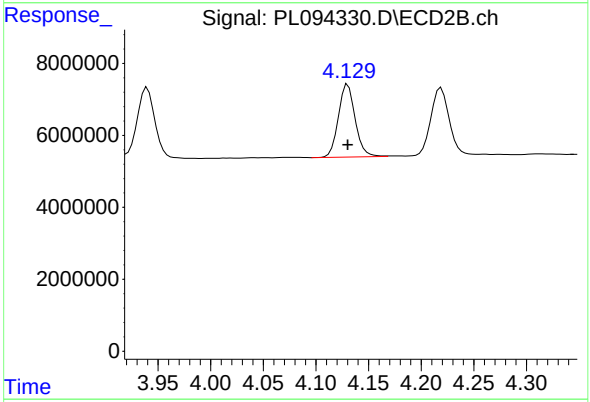
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 19696306
Conc: 5.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

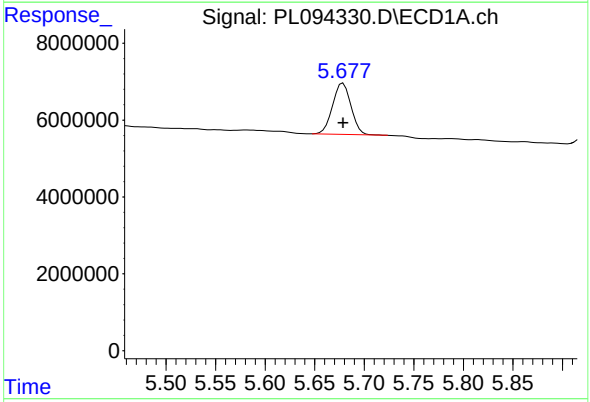
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



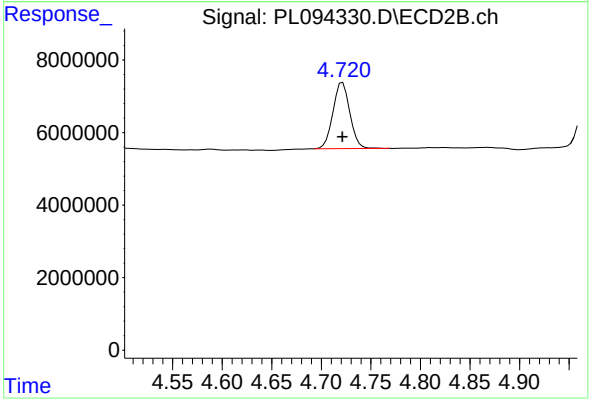
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: 0.000 min
Response: 22459963
Conc: 4.74 ng/ml



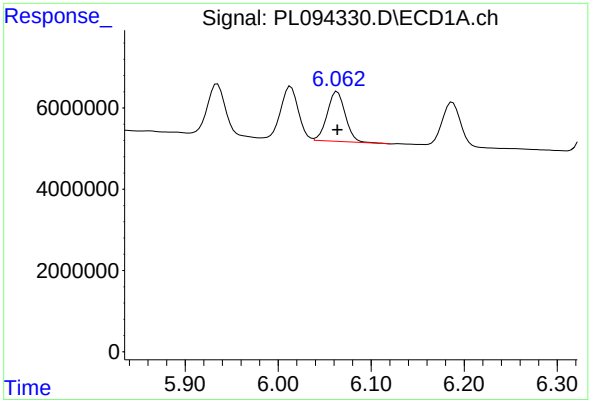
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 17190524
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: 0.000 min
Response: 21613421
Conc: 5.08 ng/ml



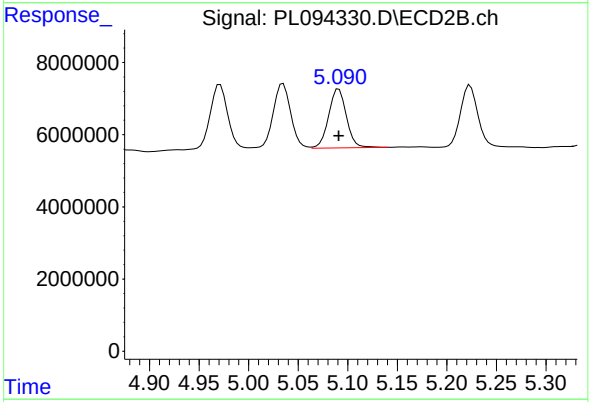
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: 0.000 min
Response: 16349376
Conc: 5.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

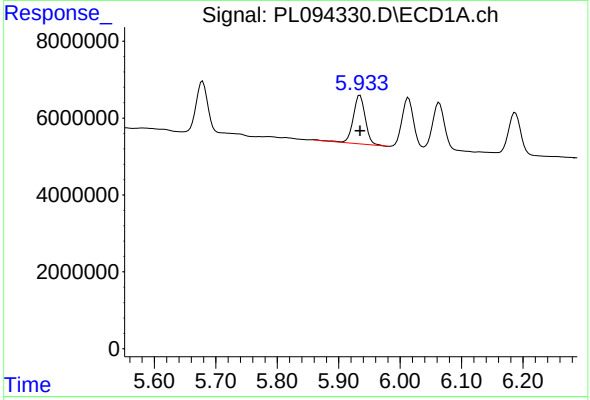
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



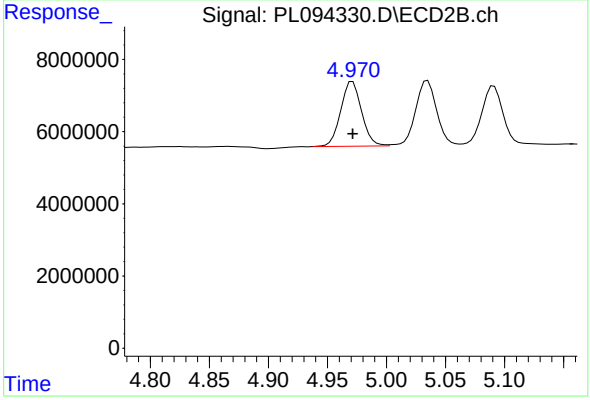
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: 0.000 min
Response: 20388990
Conc: 5.11 ng/ml



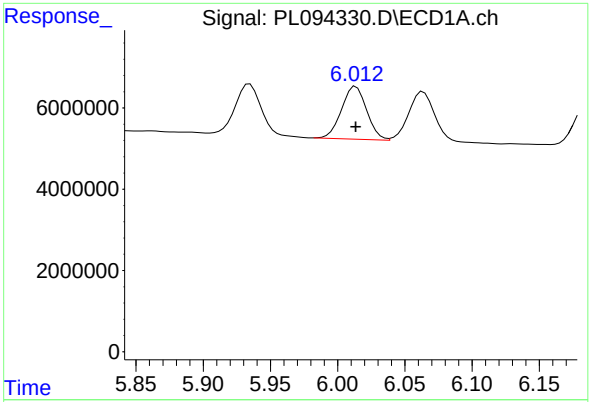
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 17511768
Conc: 5.96 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 22076795
Conc: 5.09 ng/ml



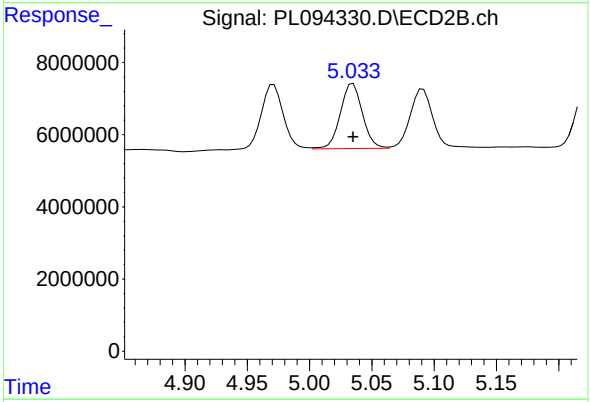
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: 0.000 min
Response: 16944160
Conc: 5.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

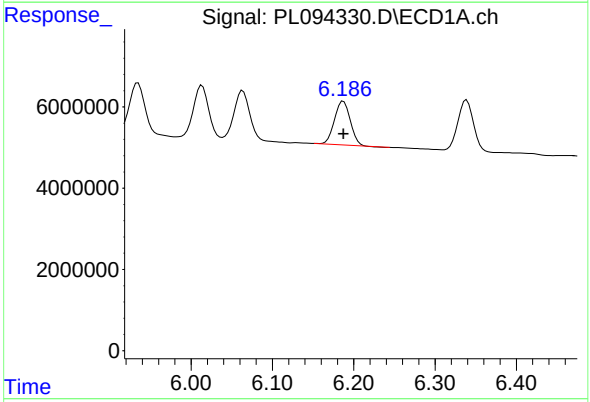
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



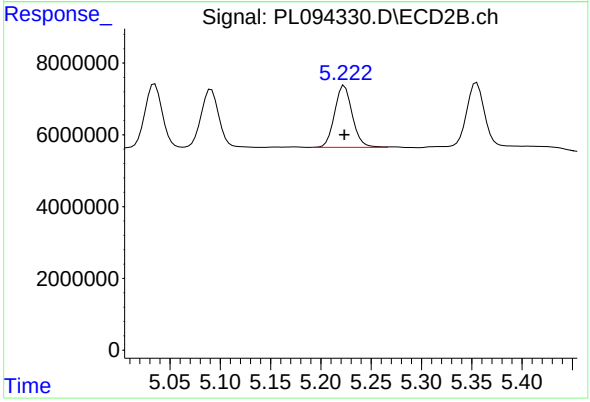
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 22301049
Conc: 5.17 ng/ml



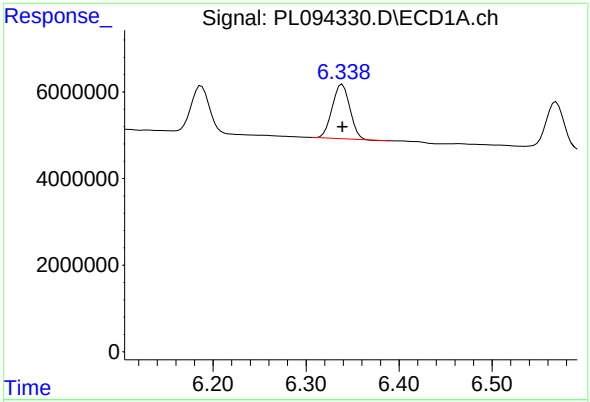
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 14413995
Conc: 5.52 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 21016395
Conc: 5.00 ng/ml



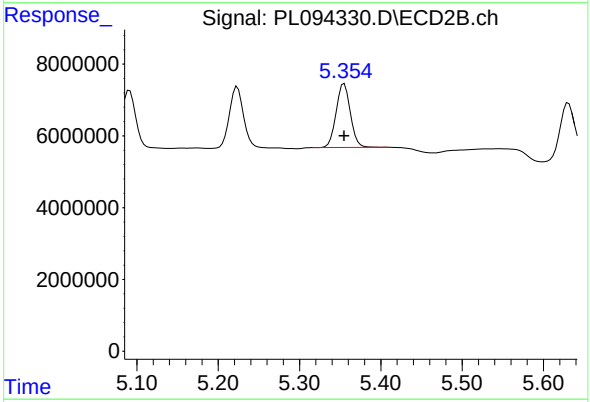
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 16426240
Conc: 5.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

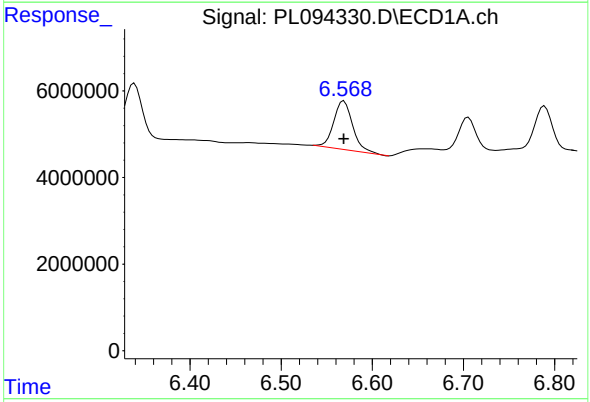
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



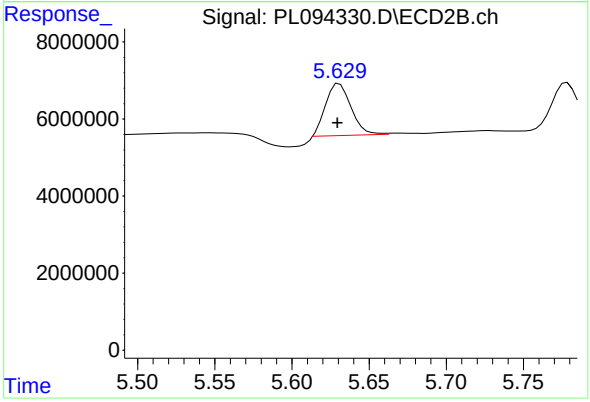
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 21629306
Conc: 4.94 ng/ml



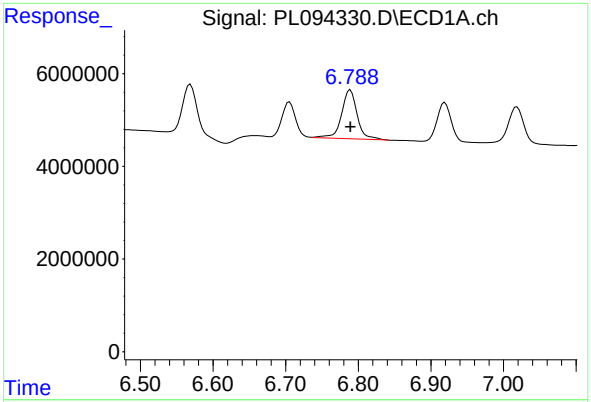
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 16379313
Conc: 6.42 ng/ml



#14 Endrin

R.T.: 5.629 min
Delta R.T.: 0.000 min
Response: 15500218
Conc: 4.56 ng/ml m



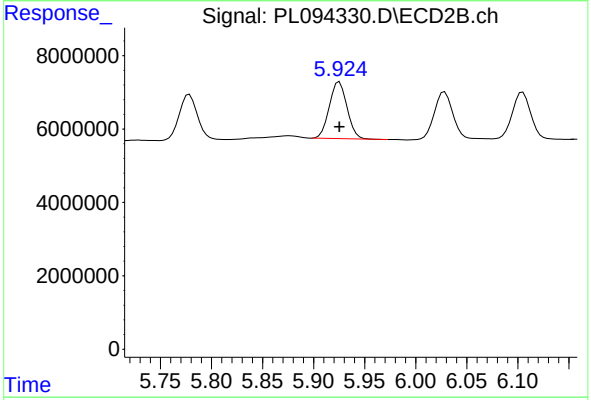
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 15821204
Conc: 6.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

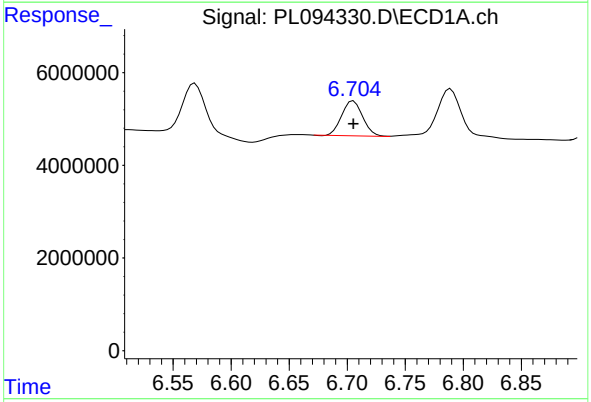
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



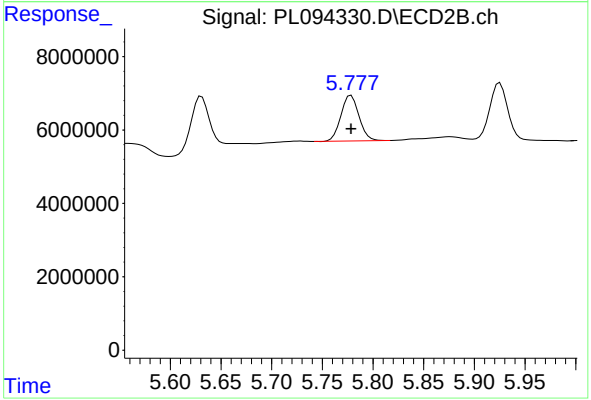
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 18687102
Conc: 5.00 ng/ml



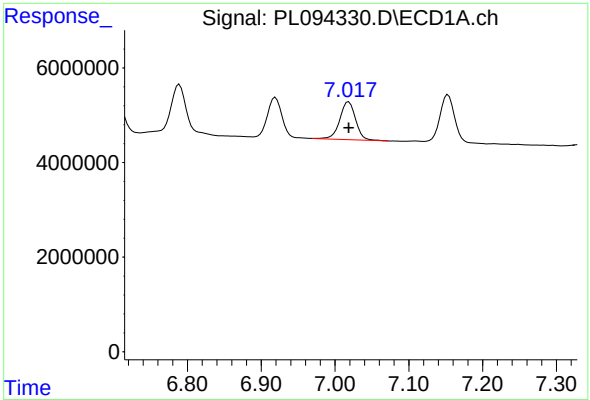
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 9520371
Conc: 5.15 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 15348463
Conc: 4.82 ng/ml



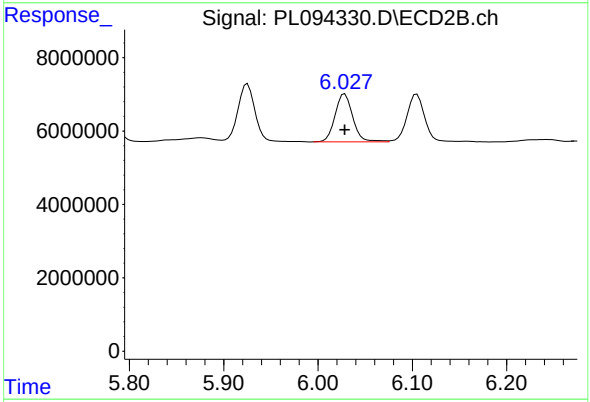
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 11898212
Conc: 5.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

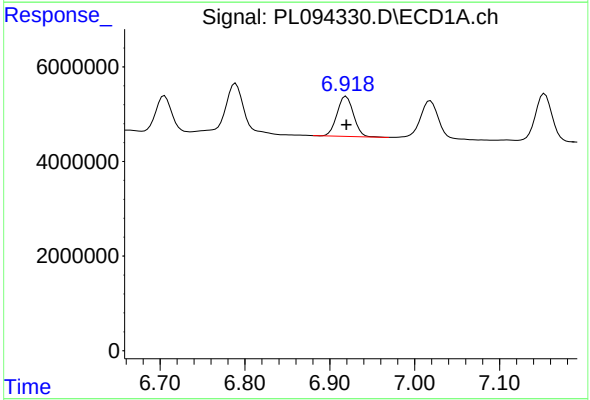
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



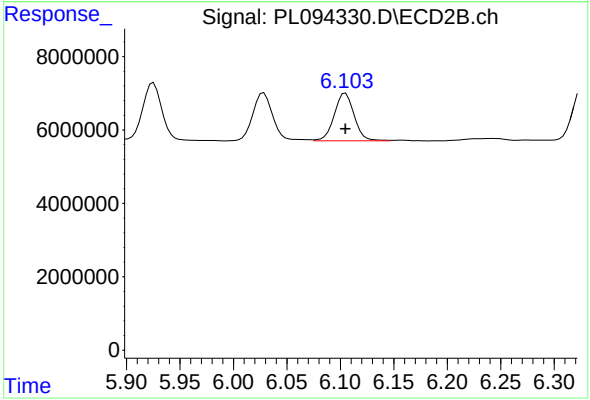
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 17151631
Conc: 4.82 ng/ml



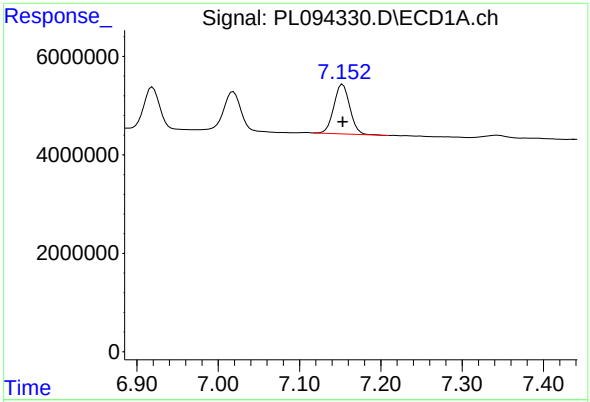
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 11418647
Conc: 5.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: 0.000 min
Response: 16928007
Conc: 5.36 ng/ml



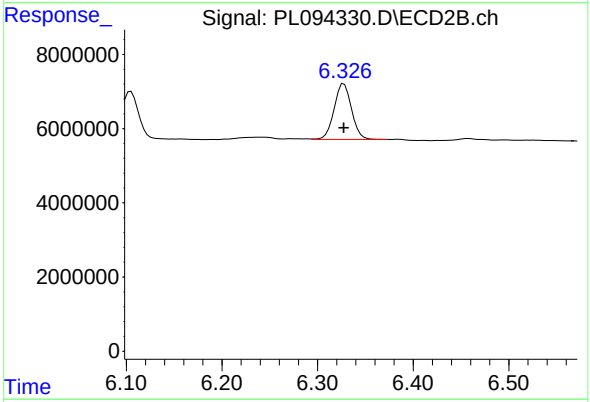
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.000 min
Response: 13602762
Conc: 6.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

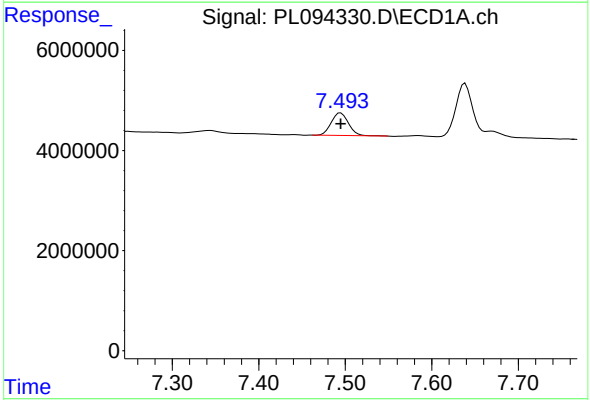
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



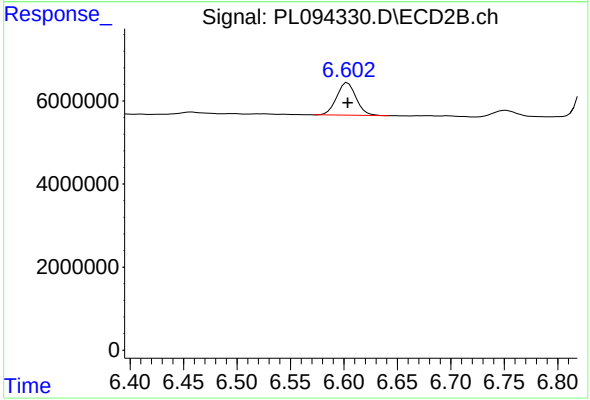
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 19096639
Conc: 5.17 ng/ml



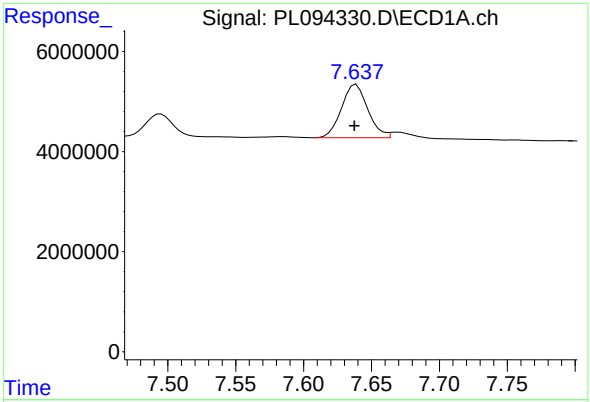
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 6223633
Conc: 5.60 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 9924447
Conc: 5.09 ng/ml



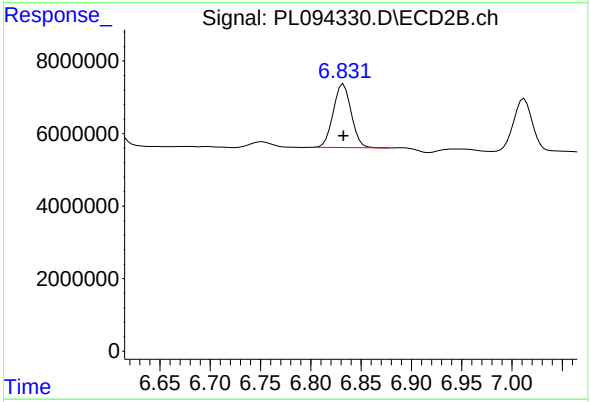
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 14369746
Conc: 5.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

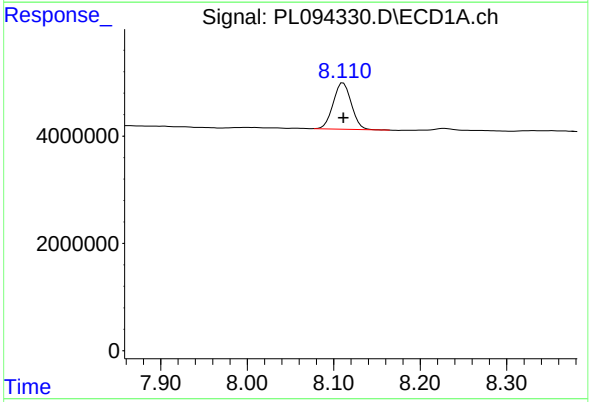
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



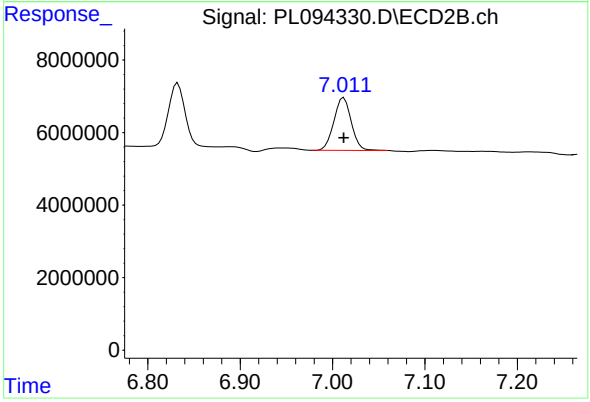
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 21715057
Conc: 5.09 ng/ml



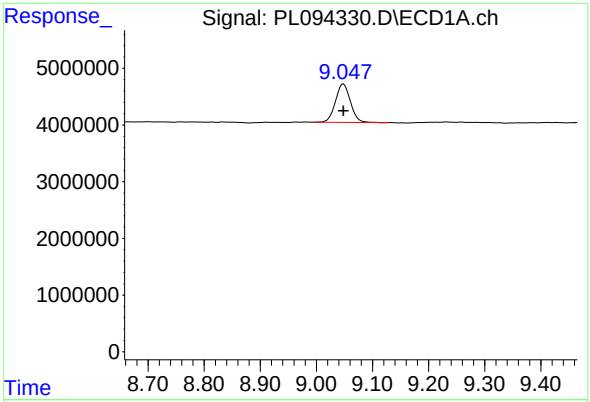
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 12483245
Conc: 6.05 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: 0.000 min
Response: 19001728
Conc: 5.45 ng/ml



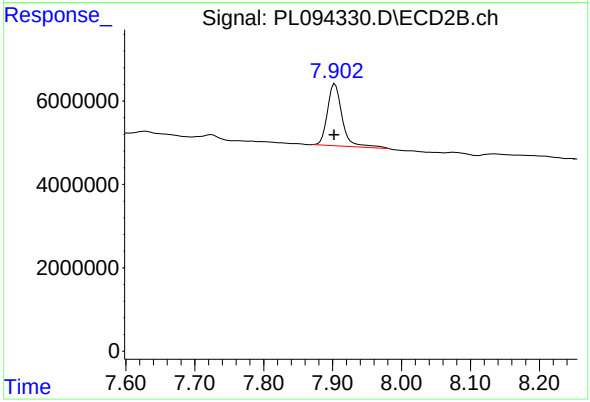
#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 12529853
Conc: 5.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: 0.001 min
Response: 22056508
Conc: 5.83 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 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: Feb 21 13:07:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:07:33 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...	3.535	2.769	124.0E6	193.5E6	50.000	50.000
28)	SA Decachlor...	9.048	7.903	102.9E6	189.5E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.695	3.765	61431327	66942088	500.000	500.000
24)	Chlordane-2	5.225	4.342	61194663	76300761	500.000	500.000
25)	Chlordane-3	5.935	4.971	209.0E6	235.5E6	500.000	500.000
26)	Chlordane-4	6.017	5.034	251.5E6	230.8E6	500.000	500.000
27)	Chlordane-5	6.866	5.929	48579793	80746470	500.000	500.000

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

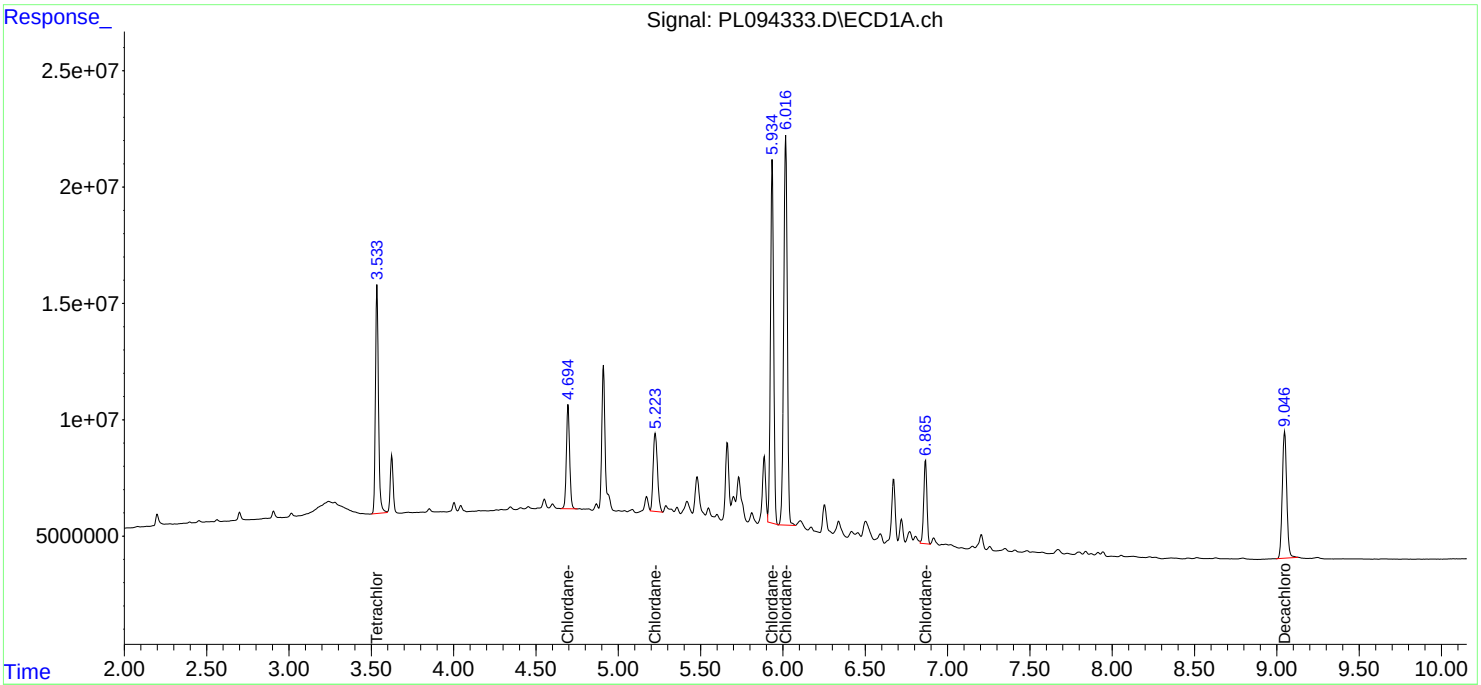
ICAL Form

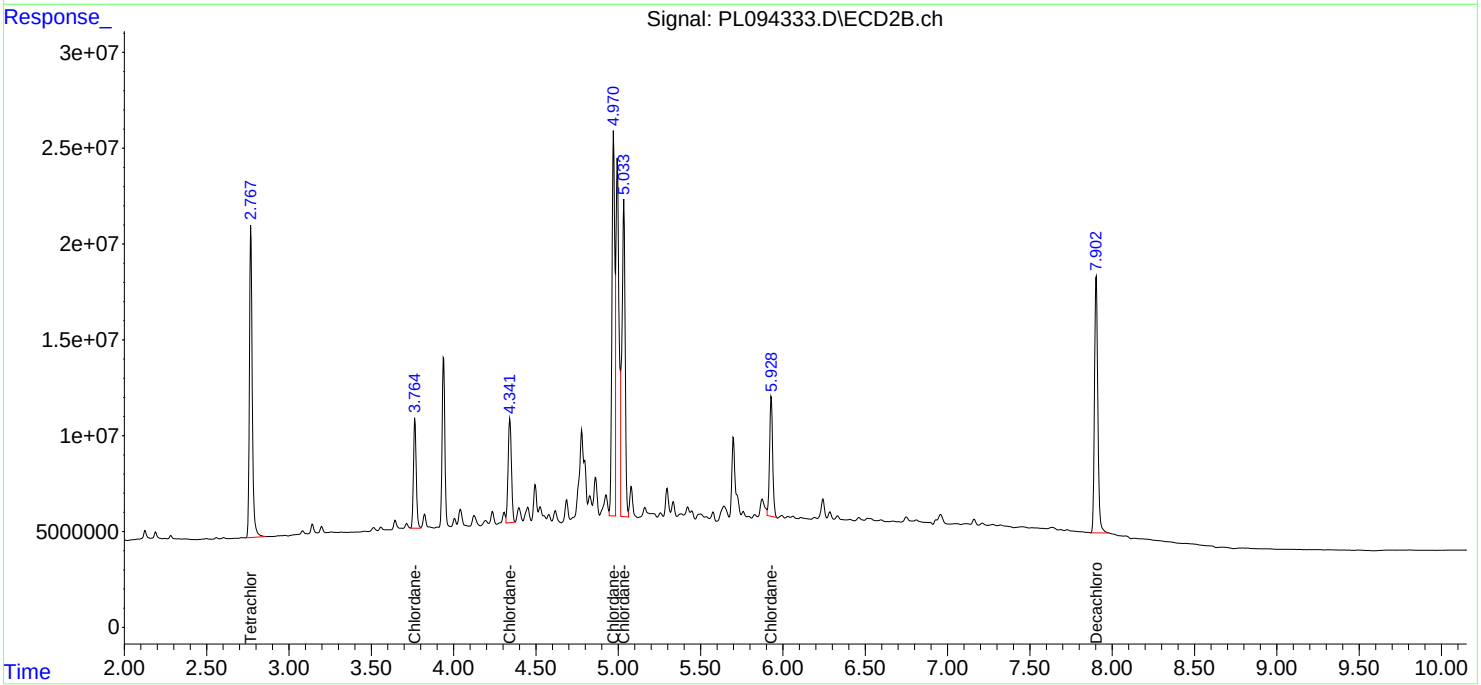
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

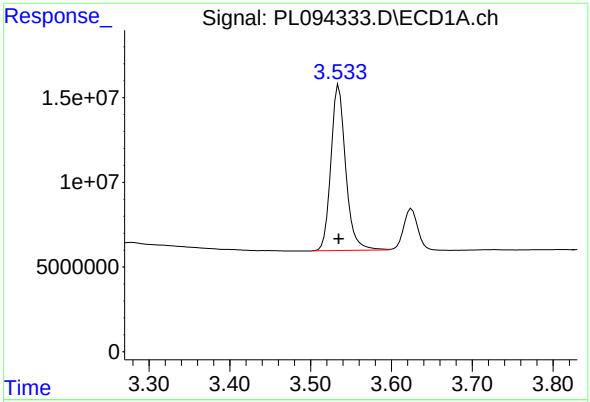
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:07:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:07:33 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



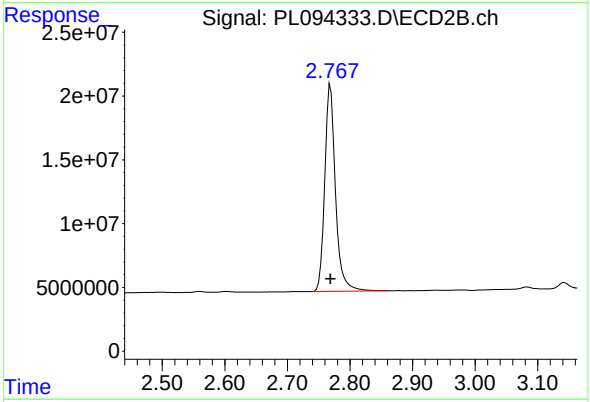




#1 Tetrachloro-m-xylene

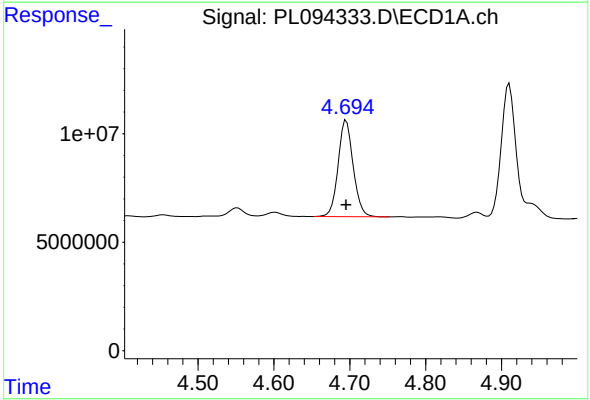
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 124004599
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



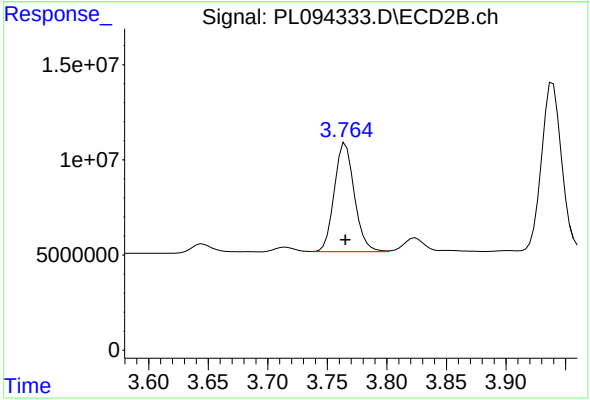
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: 0.000 min
Response: 193525723
Conc: 50.00 ng/ml



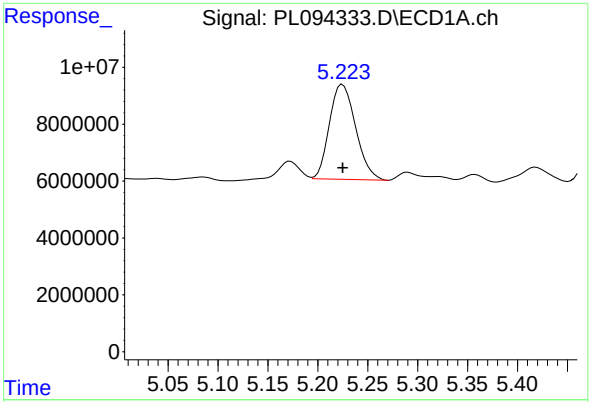
#23 Chlordane-1

R.T.: 4.695 min
Delta R.T.: 0.000 min
Response: 61431327
Conc: 500.00 ng/ml



#23 Chlordane-1

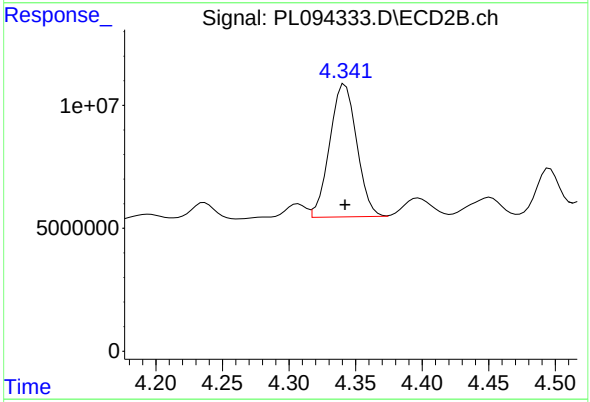
R.T.: 3.765 min
Delta R.T.: 0.000 min
Response: 66942088
Conc: 500.00 ng/ml



#24 Chlordane-2

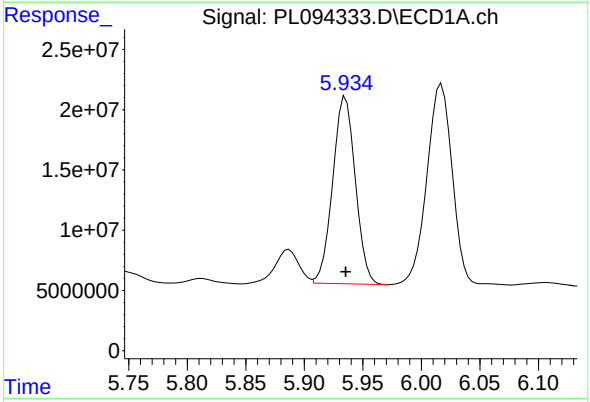
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 61194663
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



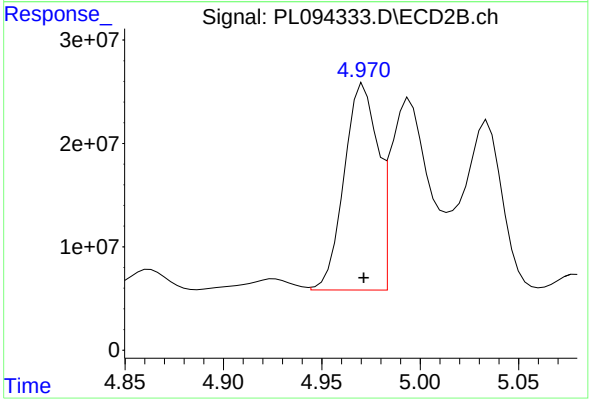
#24 Chlordane-2

R.T.: 4.342 min
Delta R.T.: 0.000 min
Response: 76300761
Conc: 500.00 ng/ml



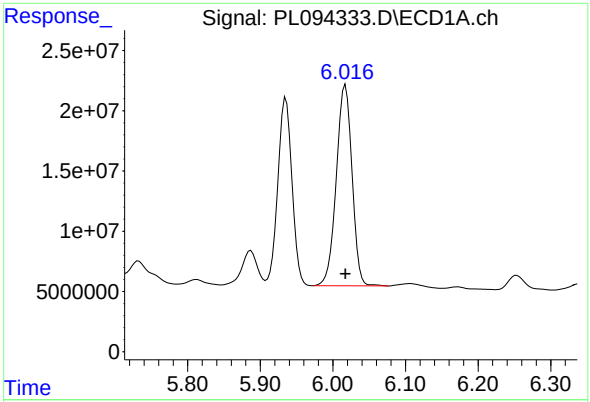
#25 Chlordane-3

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 208985572
Conc: 500.00 ng/ml



#25 Chlordane-3

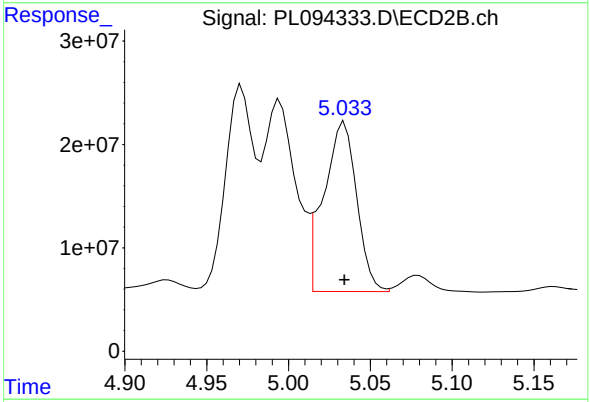
R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 235511580
Conc: 500.00 ng/ml



#26 Chlordane-4

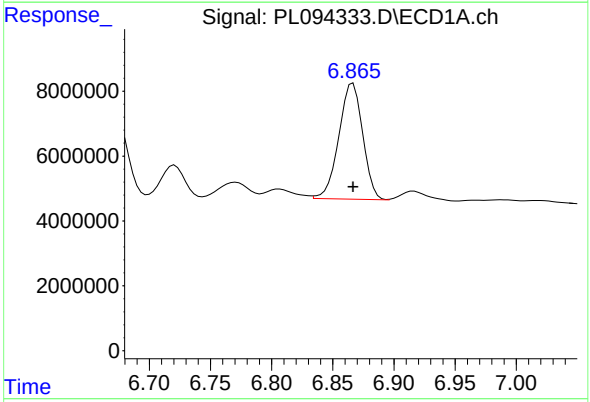
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 251488949
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



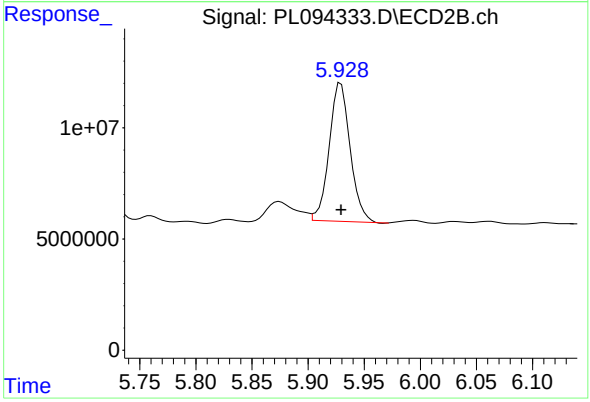
#26 Chlordane-4

R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 230825646
Conc: 500.00 ng/ml



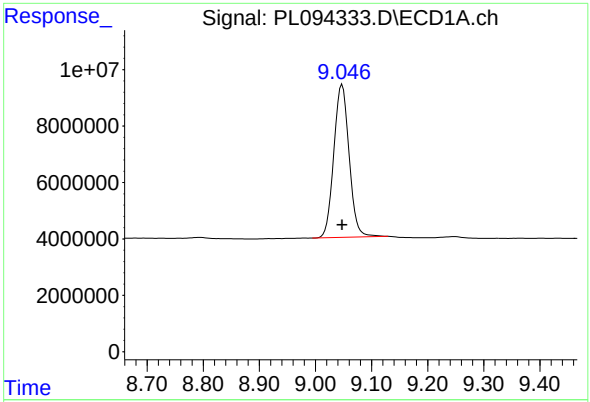
#27 Chlordane-5

R.T.: 6.866 min
Delta R.T.: 0.000 min
Response: 48579793
Conc: 500.00 ng/ml



#27 Chlordane-5

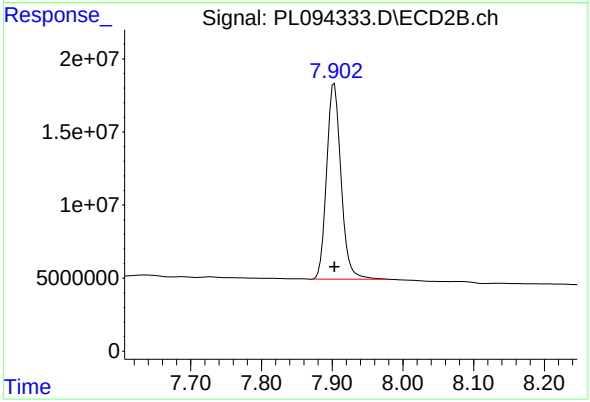
R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 80746470
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 102855150
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: 0.000 min
Response: 189493879
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 13:40
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: Feb 21 13:50:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:50:19 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...	3.536	2.770	129.5E6	167.2E6	50.000	50.000
7) SA	Decachlor...	9.048	7.904	109.7E6	205.2E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.232	4.996	13751314	13759846	500.000	500.000
3)	Toxaphene-2	6.436	5.321	7877776	13319380	500.000	500.000
4)	Toxaphene-3	7.054	5.679	42845805	14148921	500.000	500.000
5)	Toxaphene-4	7.145	6.593	32072265	49236853	500.000	500.000
6)	Toxaphene-5	7.929	7.034	24016646	45355859	500.000	500.000

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

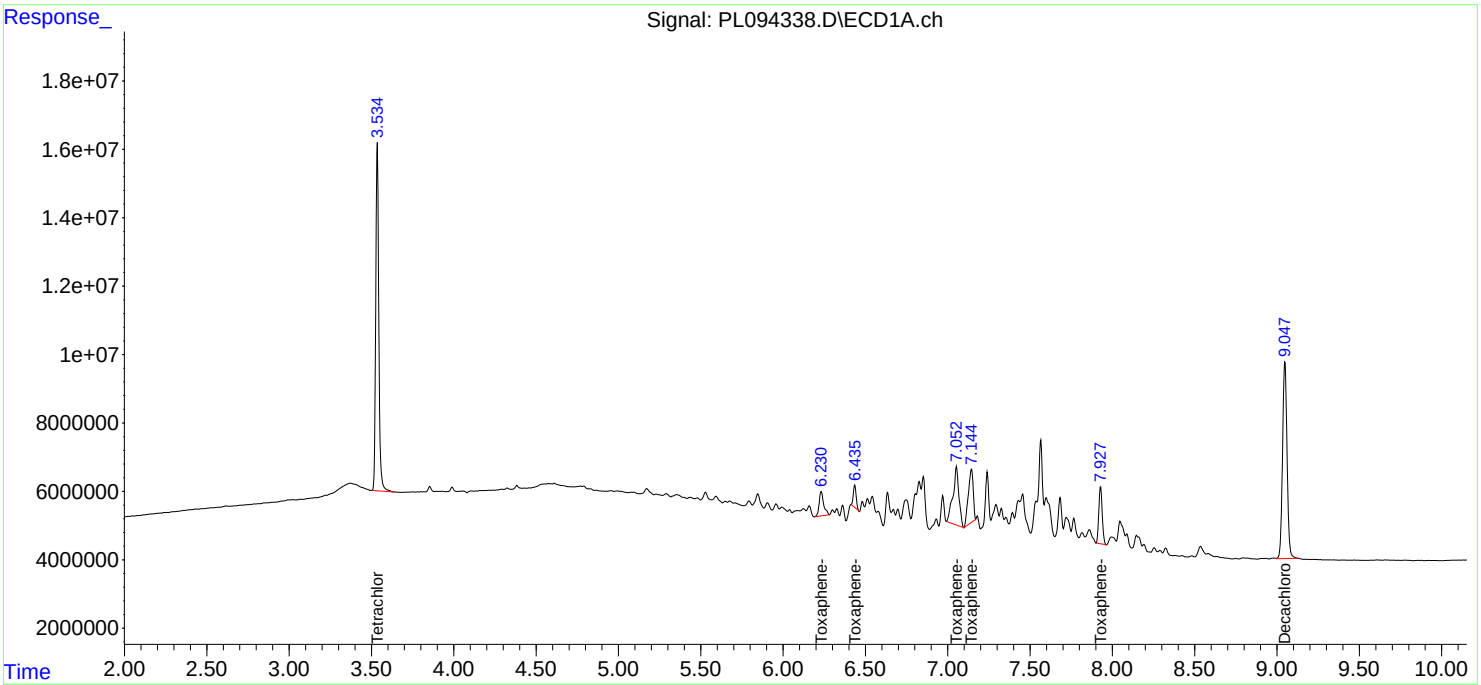
ICAL Form

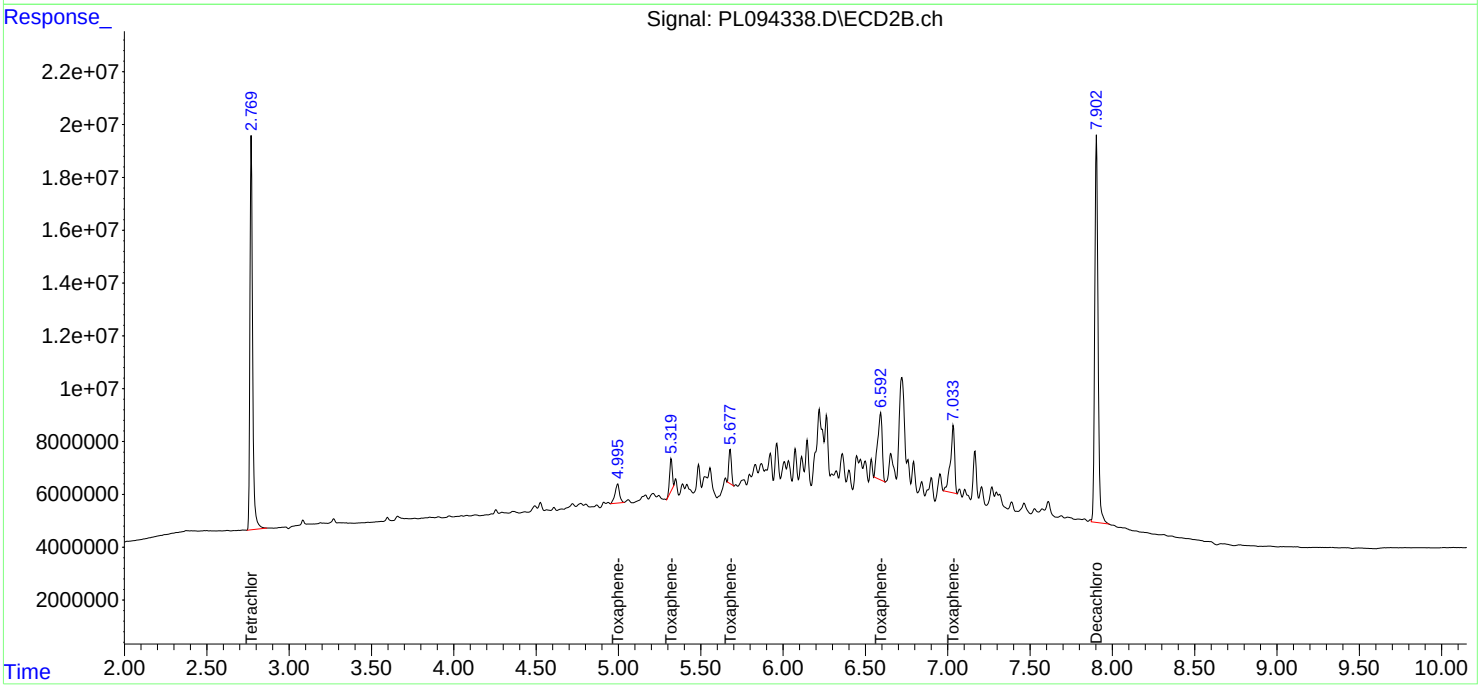
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 13:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

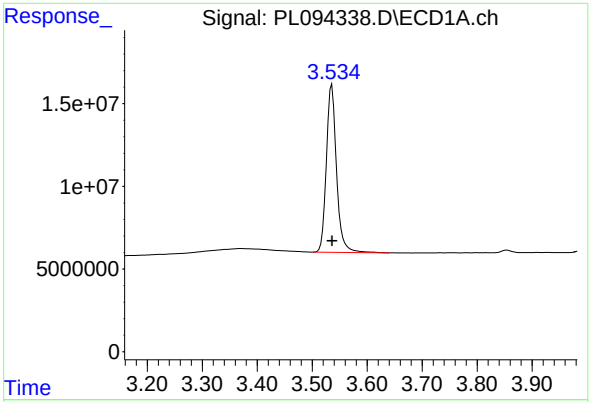
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:50:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:50:19 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



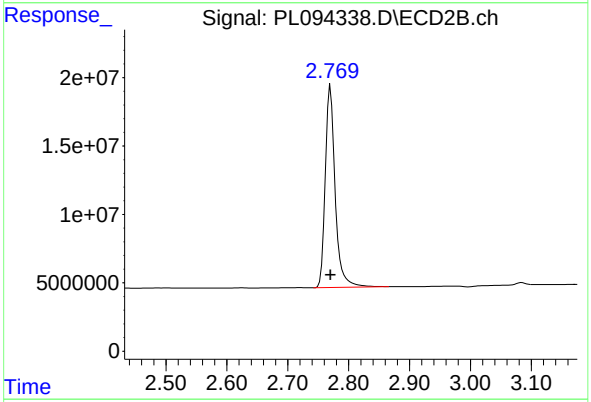




#1 Tetrachloro-m-xylene

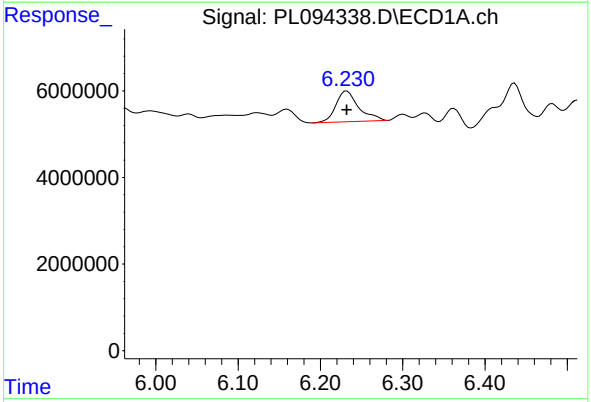
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 129450675
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



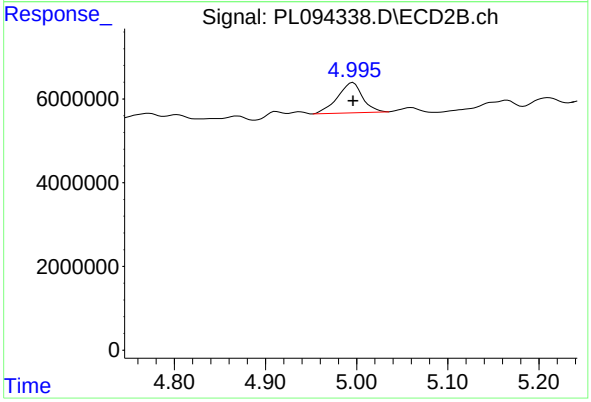
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 167185274
Conc: 50.00 ng/ml



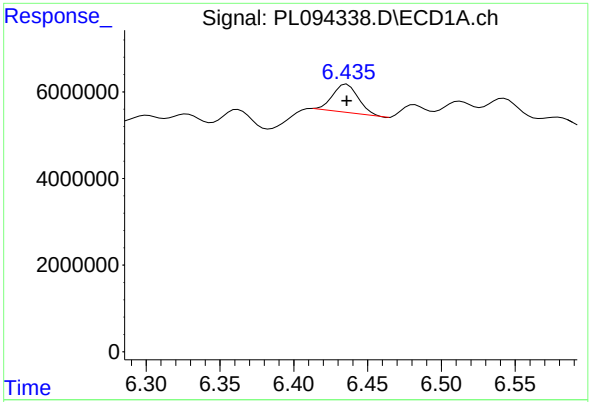
#2 Toxaphene-1

R.T.: 6.232 min
Delta R.T.: 0.000 min
Response: 13751314
Conc: 500.00 ng/ml



#2 Toxaphene-1

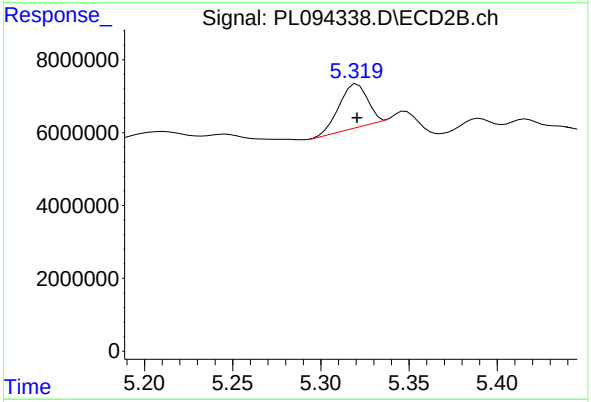
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 13759846
Conc: 500.00 ng/ml



#3 Toxaphene-2

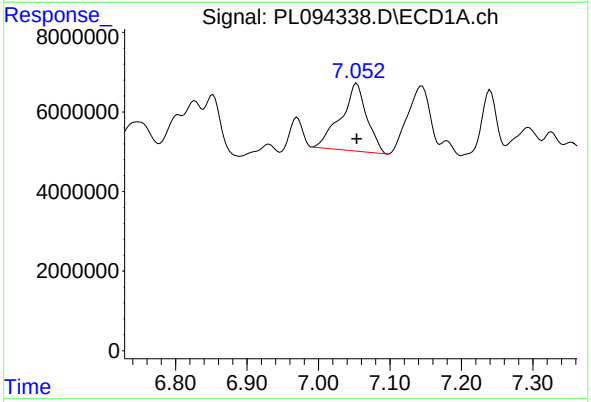
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 7877776
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



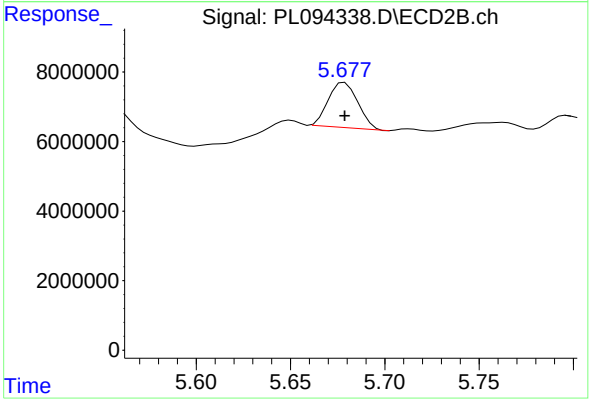
#3 Toxaphene-2

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 13319380
Conc: 500.00 ng/ml



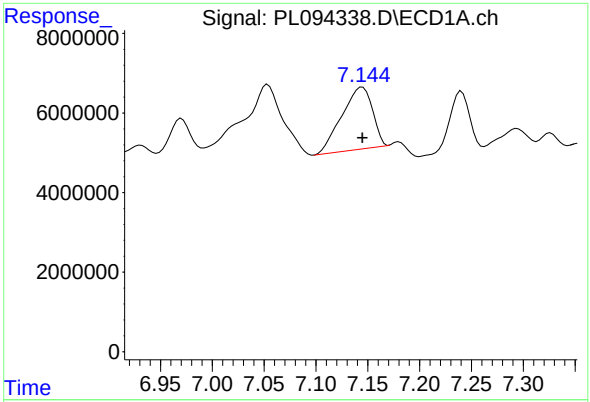
#4 Toxaphene-3

R.T.: 7.054 min
Delta R.T.: 0.000 min
Response: 42845805
Conc: 500.00 ng/ml



#4 Toxaphene-3

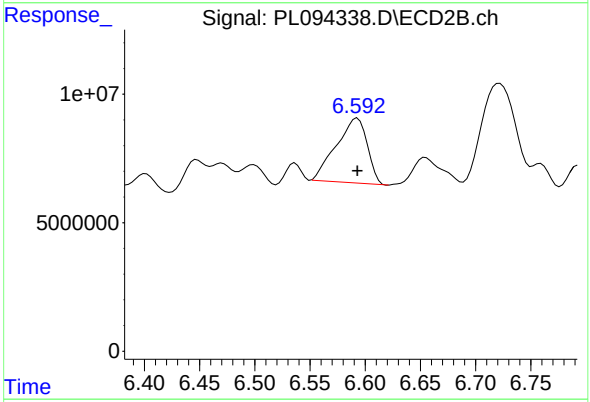
R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 14148921
Conc: 500.00 ng/ml



#5 Toxaphene-4

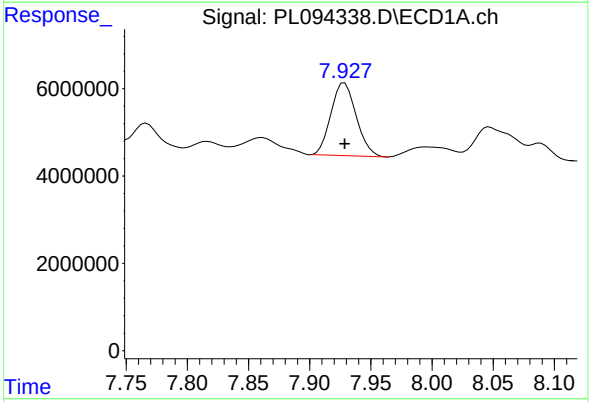
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 32072265
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



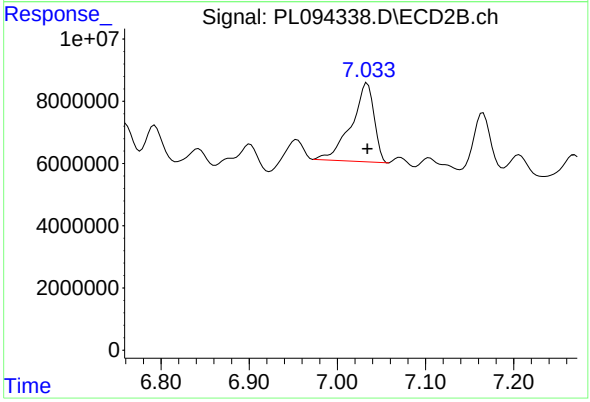
#5 Toxaphene-4

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 49236853
Conc: 500.00 ng/ml



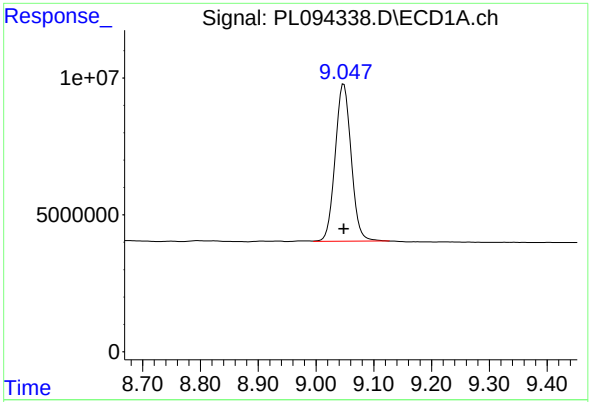
#6 Toxaphene-5

R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 24016646
Conc: 500.00 ng/ml



#6 Toxaphene-5

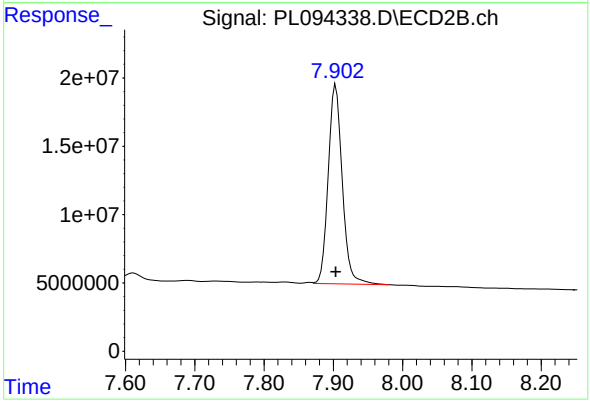
R.T.: 7.034 min
Delta R.T.: 0.000 min
Response: 45355859
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 109655185
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 205205260
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 14:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 14:32:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.535	2.770	125.3E6	160.2E6	49.332	50.198
28) SA	Decachlor...	9.048	7.903	104.4E6	192.1E6	49.067	49.959
	Target Compounds						
2) A	alpha-BHC	3.991	3.272	182.8E6	245.9E6	48.332	50.024
3) MA	gamma-BHC...	4.324	3.602	177.5E6	236.5E6	48.049	50.204
4) MA	Heptachlor	4.912	3.940	162.1E6	234.3E6	47.801	49.644
5) MB	Aldrin	5.253	4.219	163.7E6	230.4E6	47.704	49.870
6) B	beta-BHC	4.522	3.902	76902959	97477097	48.158	49.010
7) B	delta-BHC	4.769	4.131	168.5E6	236.5E6	47.620	49.943
8) B	Heptachlo...	5.679	4.722	145.4E6	211.6E6	48.264	49.726
9) A	Endosulfan I	6.065	5.091	130.9E6	197.8E6	47.632	49.622
10) B	gamma-Chl...	5.935	4.971	139.8E6	214.3E6	47.613	49.397
11) B	alpha-Chl...	6.014	5.035	138.3E6	212.5E6	47.722	49.224
12) B	4,4'-DDE	6.188	5.224	127.4E6	208.9E6	48.794	49.735
13) MA	Dieldrin	6.340	5.355	136.9E6	218.4E6	48.039	49.843
14) MA	Endrin	6.569	5.631	117.5E6	179.7E6	46.047	52.790
15) B	Endosulfa...	6.789	5.925	118.8E6	188.2E6	47.210	50.319
16) A	4,4'-DDD	6.706	5.778	94271390	163.0E6	50.964	51.166
17) MA	4,4'-DDT	7.019	6.028	101.7E6	177.7E6	48.408	49.956
18) B	Endrin al...	6.920	6.105	94484564	156.0E6	48.533	49.346
19) B	Endosulfa...	7.154	6.328	108.2E6	183.2E6	47.813	49.608
20) A	Methoxychlor	7.495	6.603	54707974	97368906	49.240	49.907
21) B	Endrin ke...	7.639	6.832	122.7E6	217.0E6	48.927	50.847
22)	Mirex	8.111	7.011	99634258	175.8E6	48.289	50.404

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

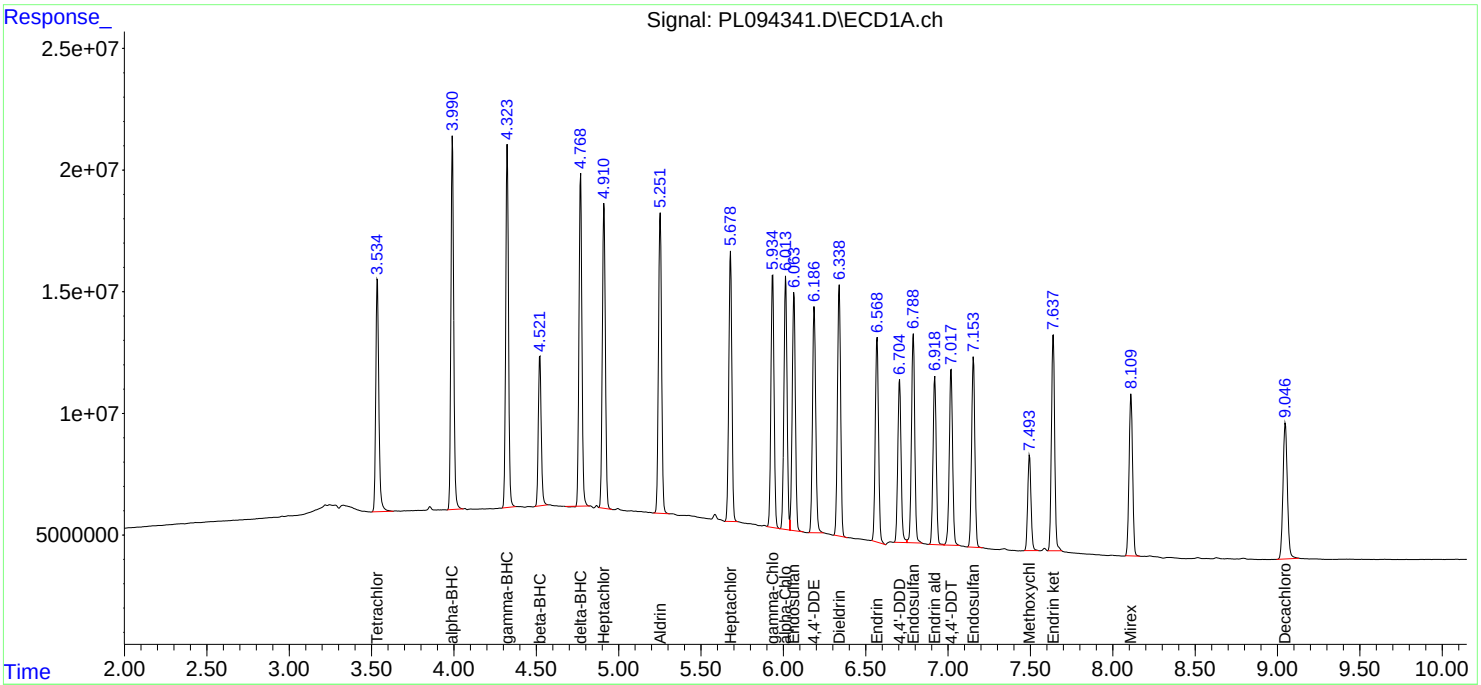
ICAL Form

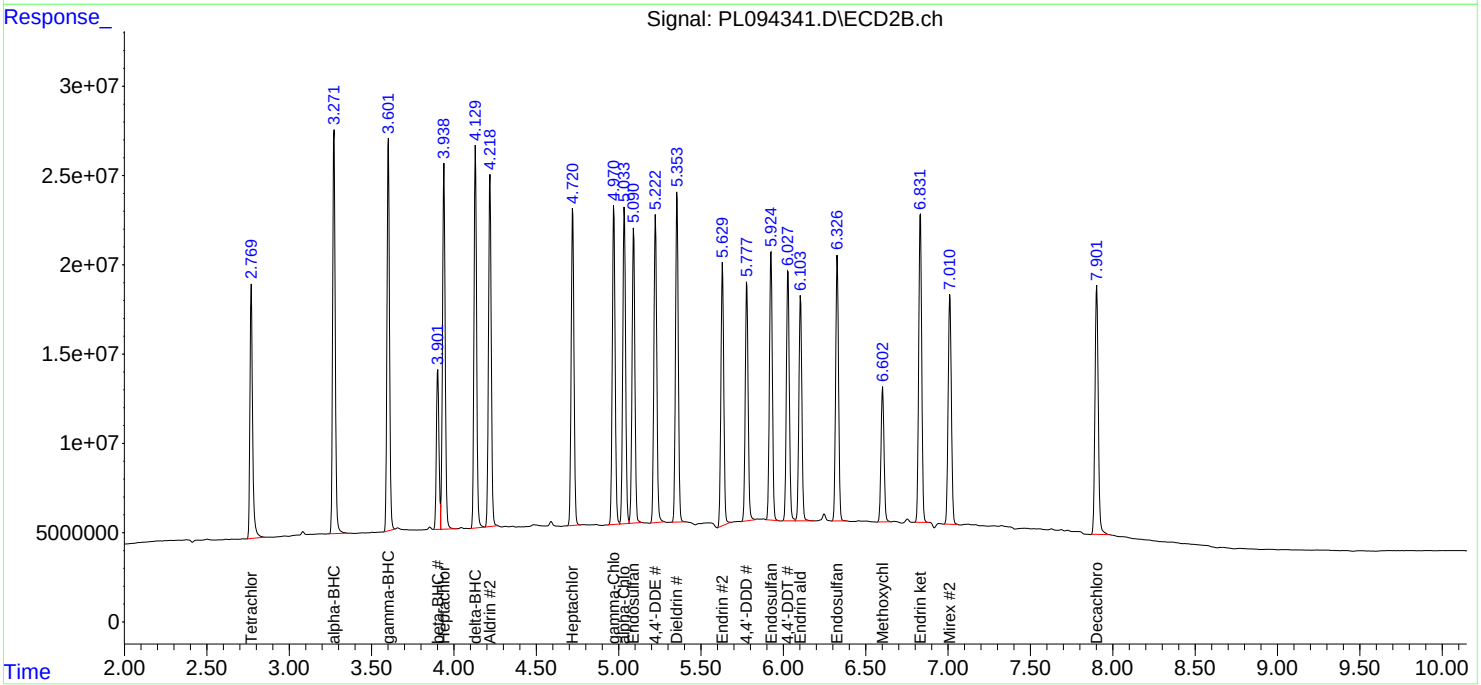
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 14:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

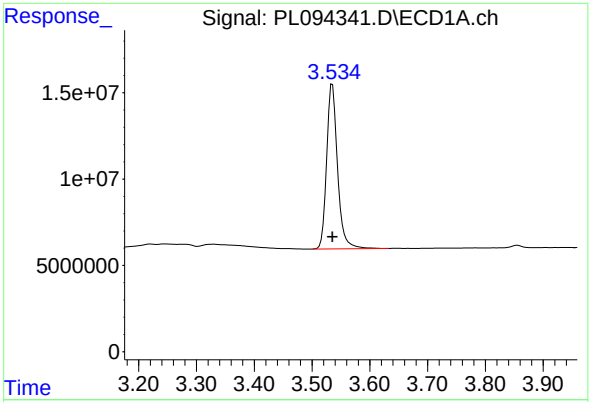
Instrument :
ECD_L
ClientSampleId :
ICVPL022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 14:32:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



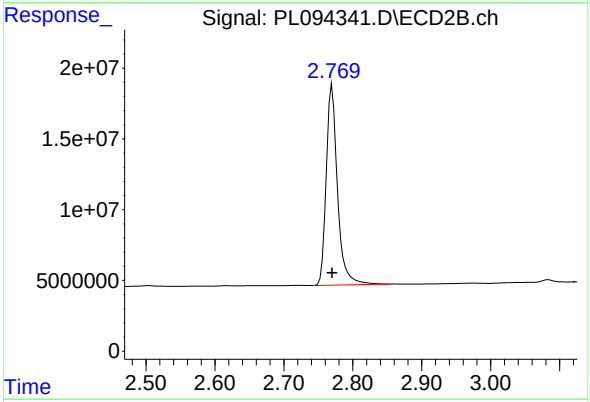




#1 Tetrachloro-m-xylene

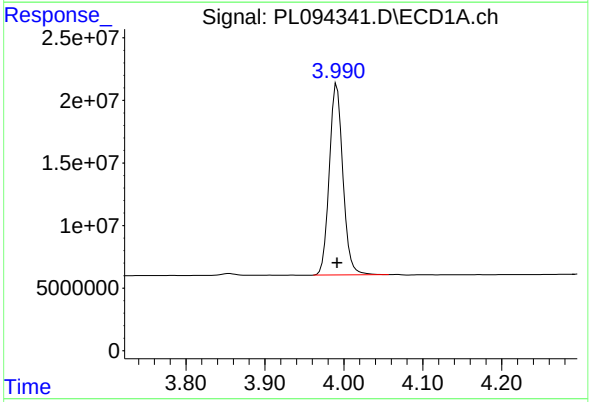
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 125259151
Conc: 49.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



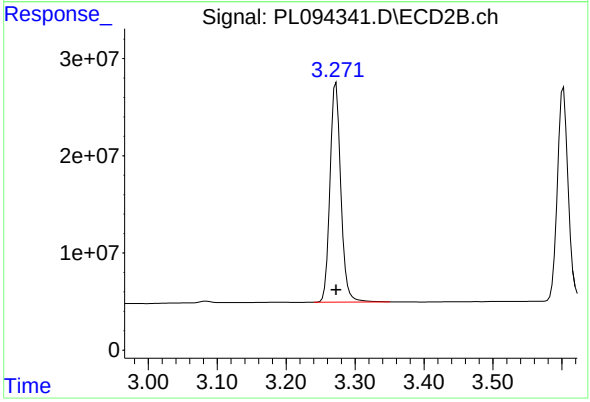
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 160190802
Conc: 50.20 ng/ml



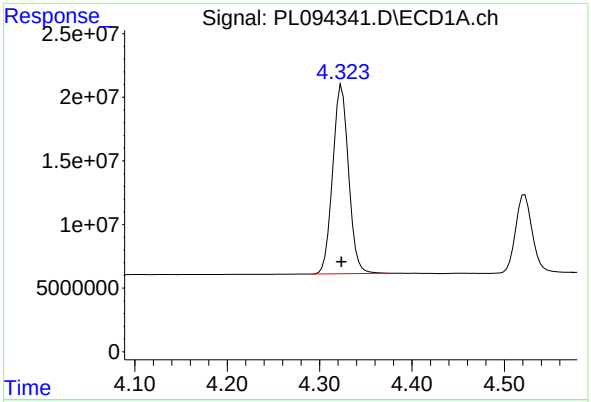
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 182824184
Conc: 48.33 ng/ml



#2 alpha-BHC

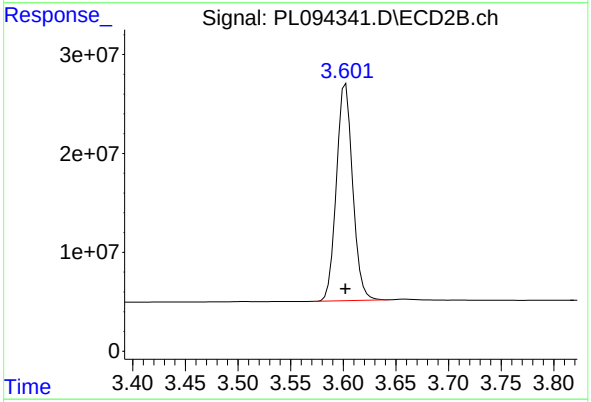
R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 245859292
Conc: 50.02 ng/ml



#3 gamma-BHC (Lindane)

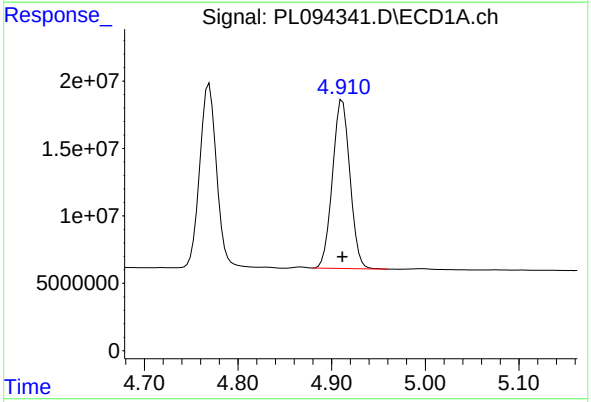
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 177529156
Conc: 48.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



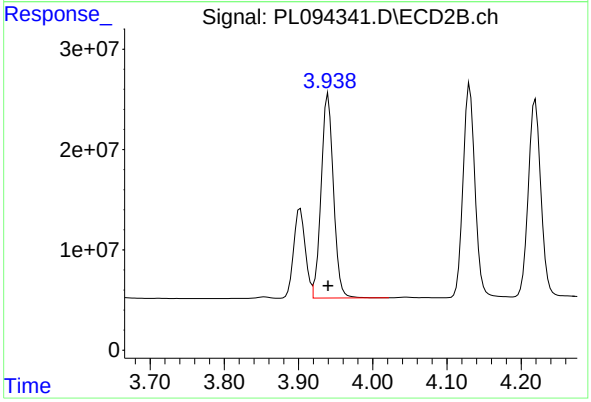
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: 0.000 min
Response: 236458705
Conc: 50.20 ng/ml



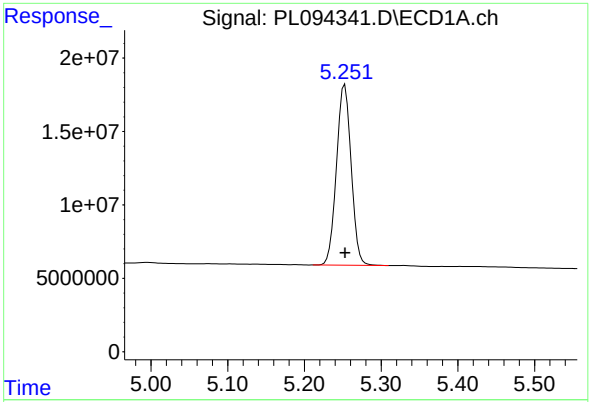
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: 0.000 min
Response: 162063649
Conc: 47.80 ng/ml



#4 Heptachlor

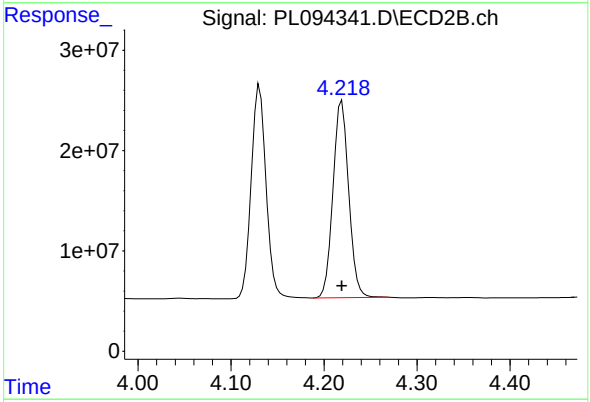
R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 234334969
Conc: 49.64 ng/ml



#5 Aldrin

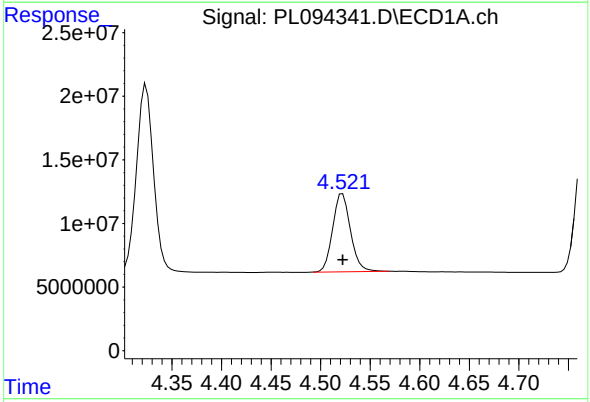
R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 163709656
Conc: 47.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



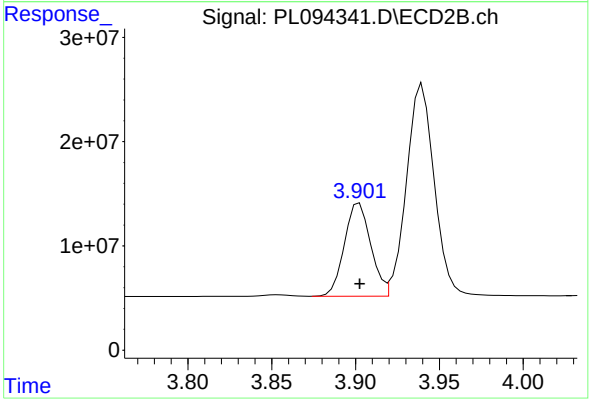
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: 0.000 min
Response: 230417699
Conc: 49.87 ng/ml



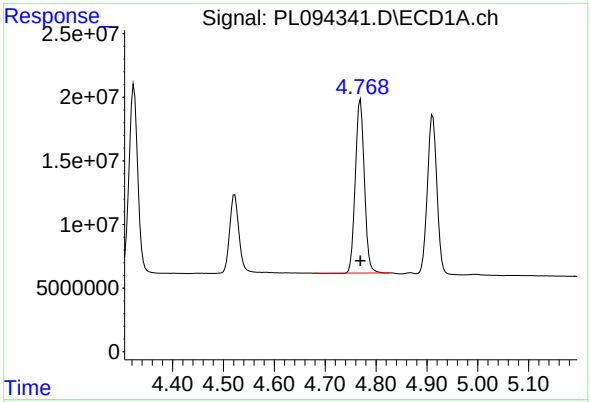
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 76902959
Conc: 48.16 ng/ml



#6 beta-BHC

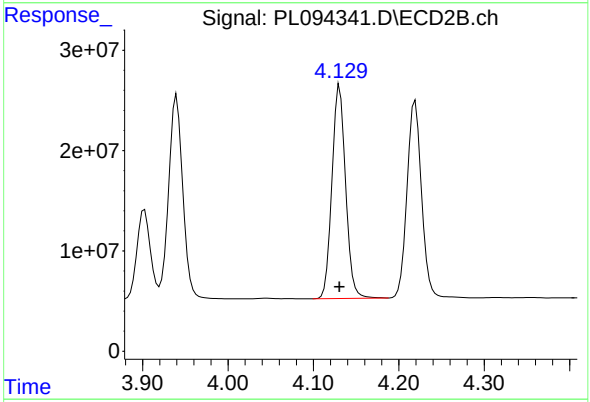
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 97477097
Conc: 49.01 ng/ml



#7 delta-BHC

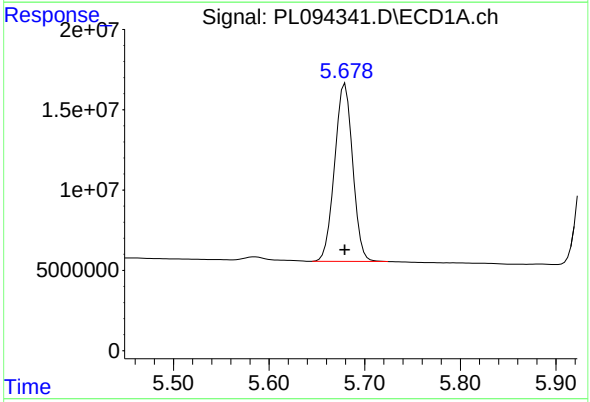
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 168493334
Conc: 47.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



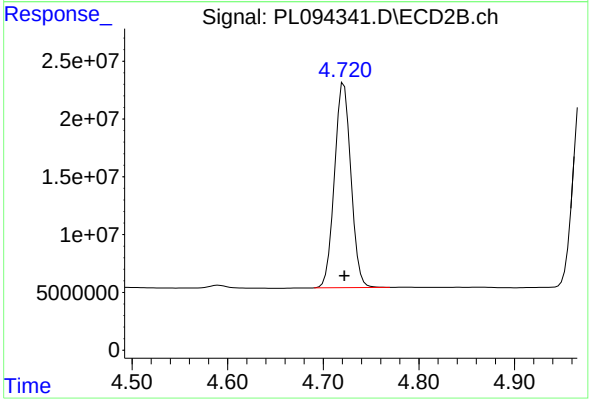
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: 0.000 min
Response: 236517762
Conc: 49.94 ng/ml



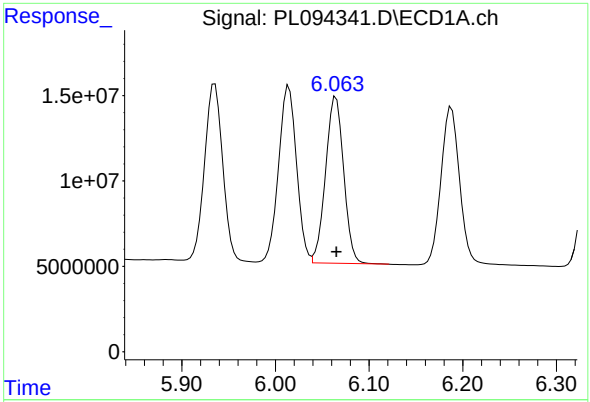
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 145437997
Conc: 48.26 ng/ml



#8 Heptachlor epoxide

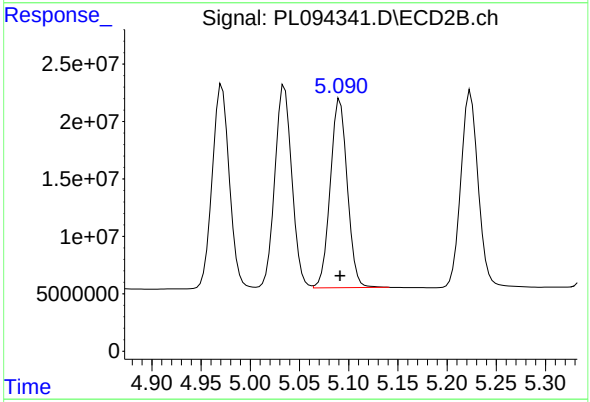
R.T.: 4.722 min
Delta R.T.: 0.000 min
Response: 211603492
Conc: 49.73 ng/ml



#9 Endosulfan I

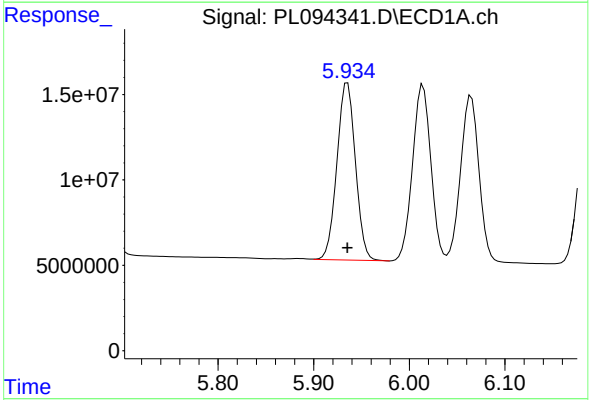
R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 130921396
Conc: 47.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



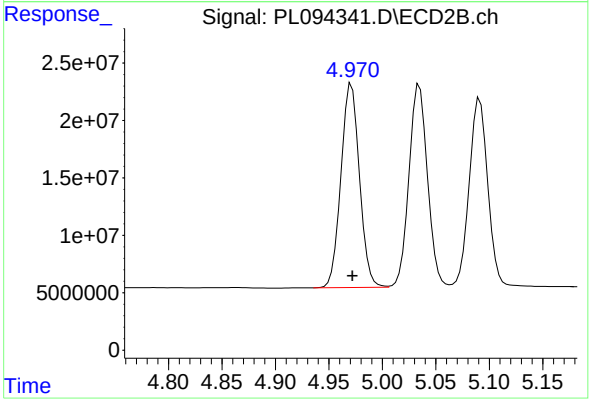
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: 0.000 min
Response: 197820599
Conc: 49.62 ng/ml



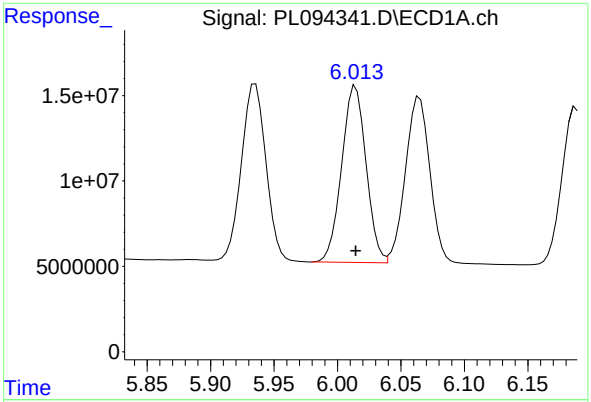
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 139797861
Conc: 47.61 ng/ml



#10 gamma-Chlordane

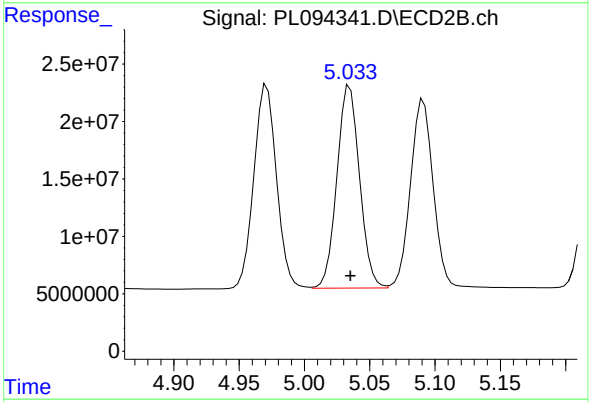
R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 214323184
Conc: 49.40 ng/ml



#11 alpha-Chlordane

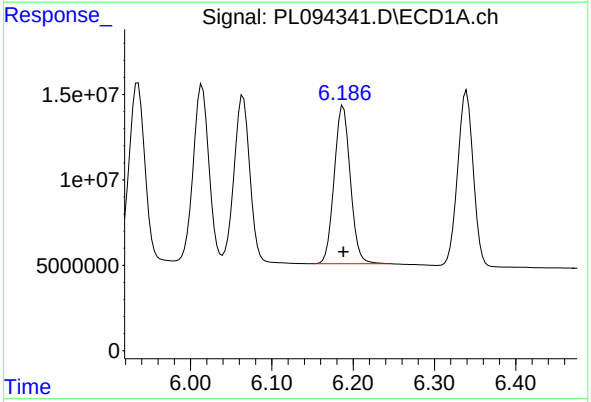
R.T.: 6.014 min
Delta R.T.: 0.000 min
Response: 138255355
Conc: 47.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



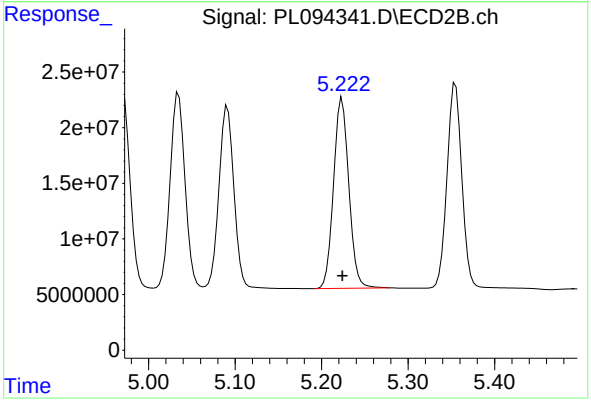
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 212530550
Conc: 49.22 ng/ml



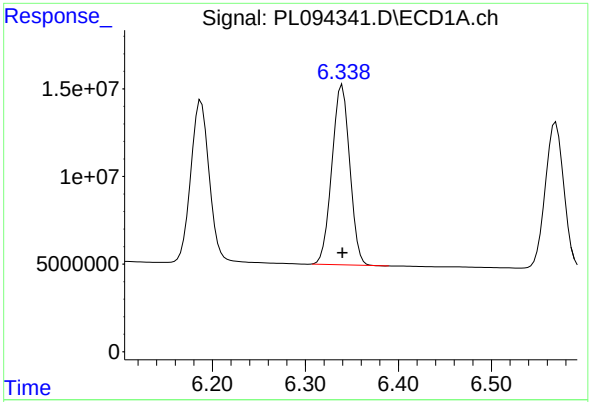
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 127436523
Conc: 48.79 ng/ml



#12 4,4'-DDE

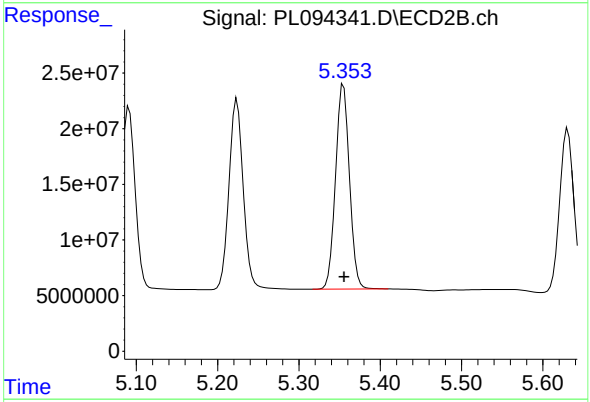
R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 208887717
Conc: 49.74 ng/ml



#13 Dieldrin

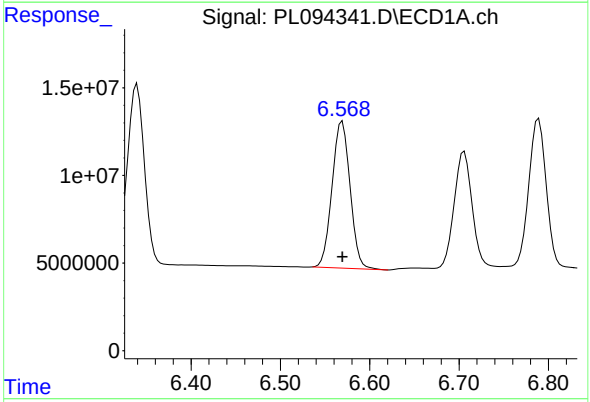
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 136865157
Conc: 48.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



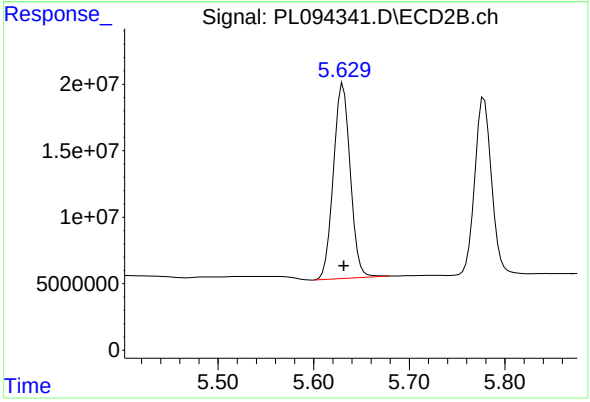
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 218401778
Conc: 49.84 ng/ml



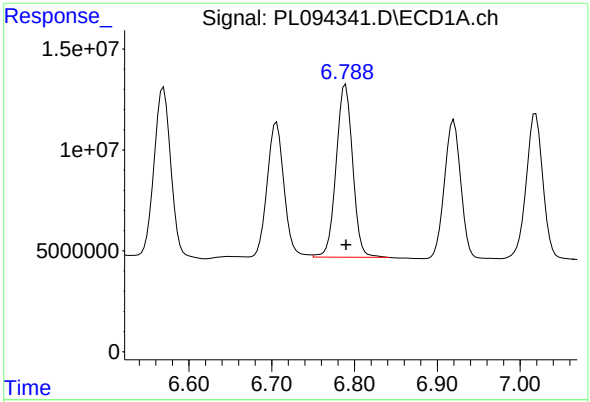
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 117523885
Conc: 46.05 ng/ml



#14 Endrin

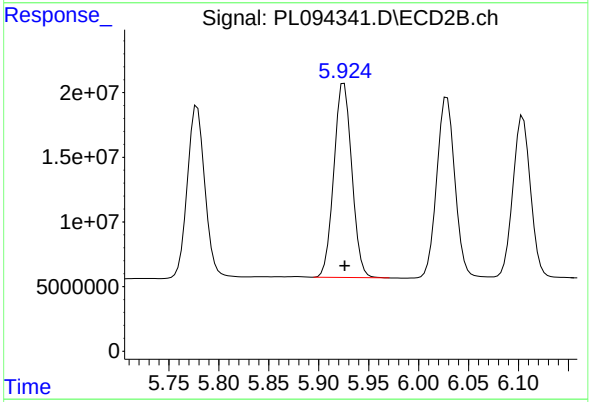
R.T.: 5.631 min
Delta R.T.: 0.000 min
Response: 179735235
Conc: 52.79 ng/ml



#15 Endosulfan II

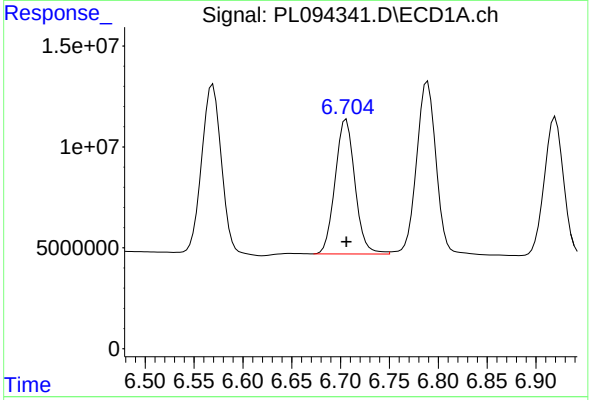
R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 118839359
Conc: 47.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



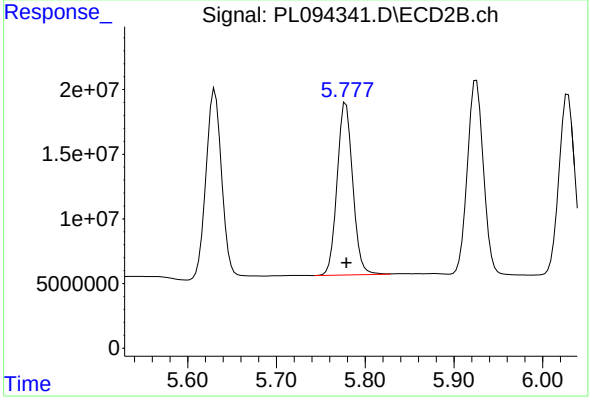
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 188167759
Conc: 50.32 ng/ml



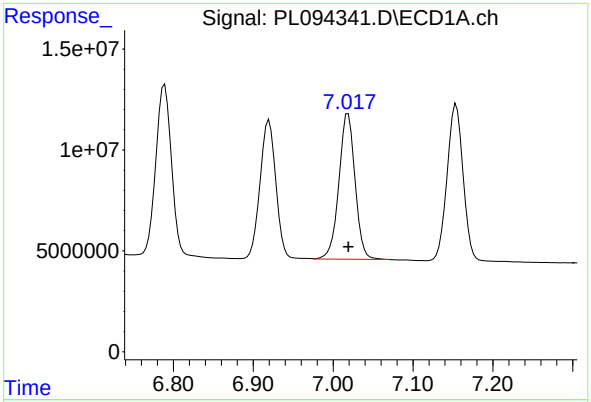
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 94271390
Conc: 50.96 ng/ml



#16 4,4'-DDD

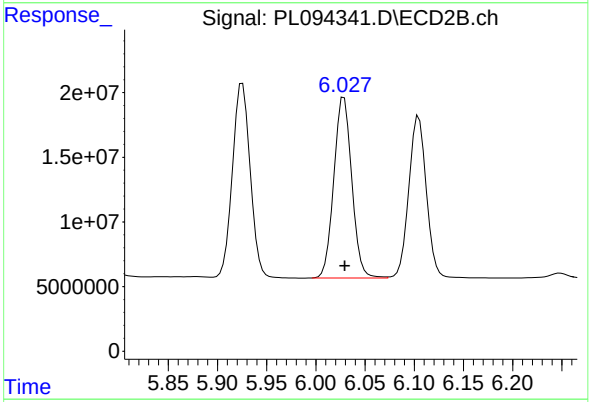
R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 162979625
Conc: 51.17 ng/ml



#17 4,4'-DDT

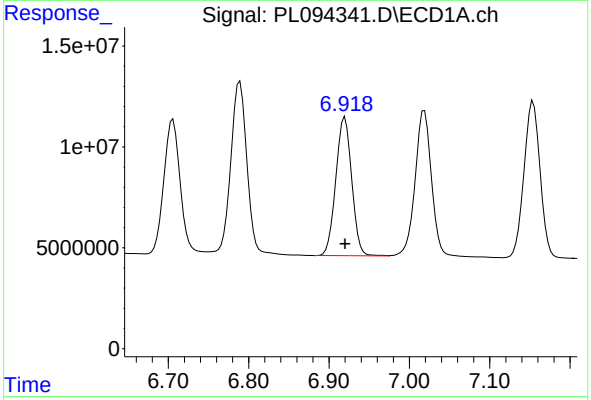
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 101657334
Conc: 48.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



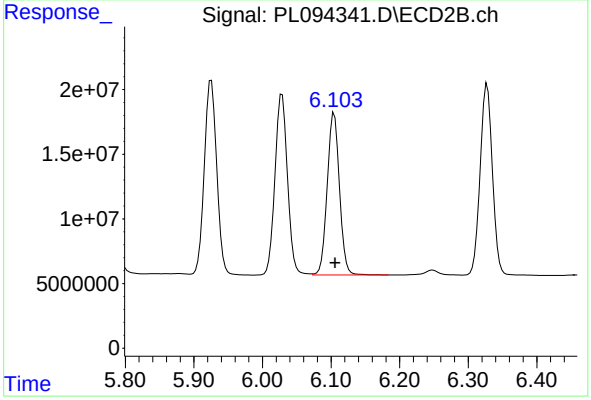
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 177693939
Conc: 49.96 ng/ml



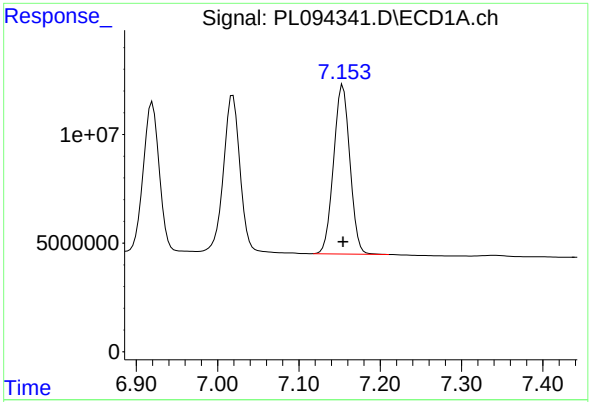
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 94484564
Conc: 48.53 ng/ml



#18 Endrin aldehyde

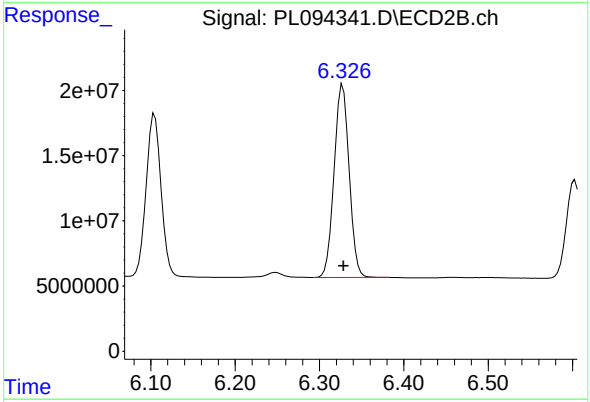
R.T.: 6.105 min
Delta R.T.: -0.001 min
Response: 155954689
Conc: 49.35 ng/ml



#19 Endosulfan Sulfate

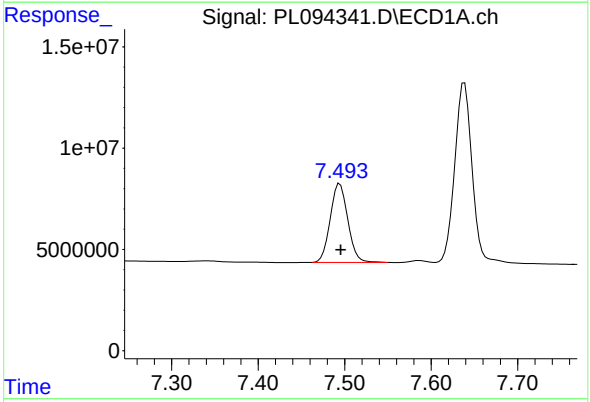
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 108240875
Conc: 47.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



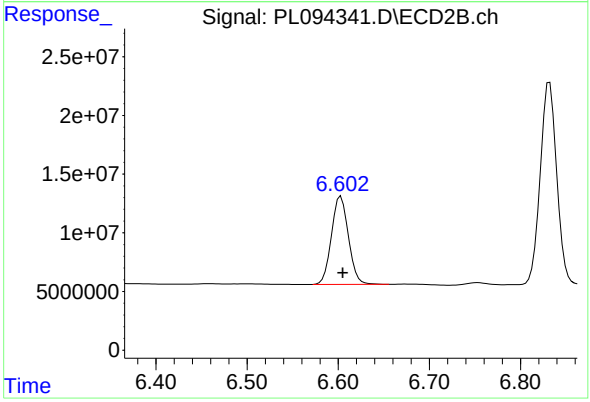
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 183233639
Conc: 49.61 ng/ml



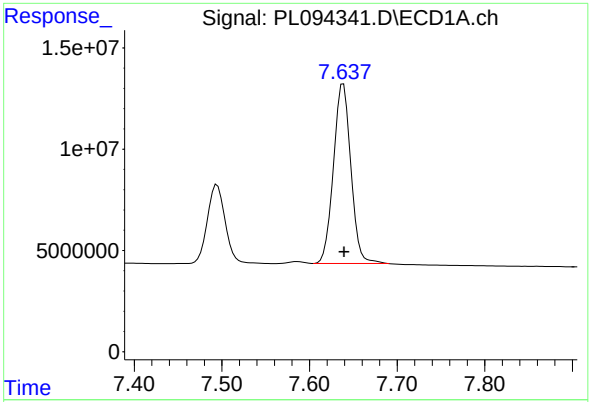
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 54707974
Conc: 49.24 ng/ml



#20 Methoxychlor

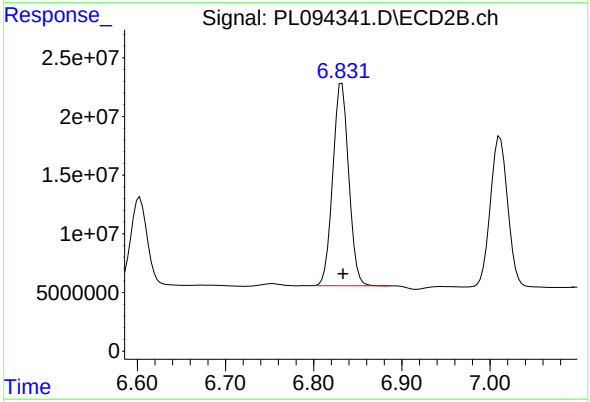
R.T.: 6.603 min
Delta R.T.: -0.002 min
Response: 97368906
Conc: 49.91 ng/ml



#21 Endrin ketone

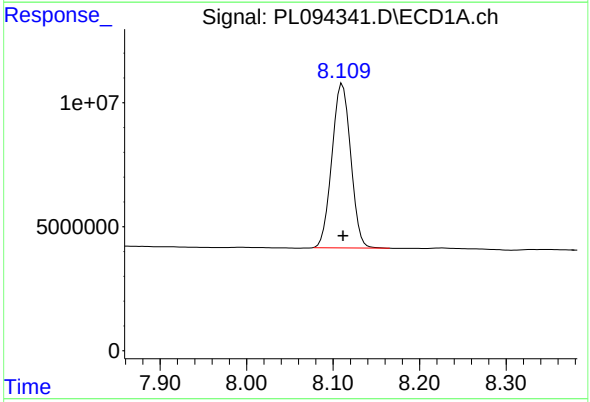
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 122655326
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



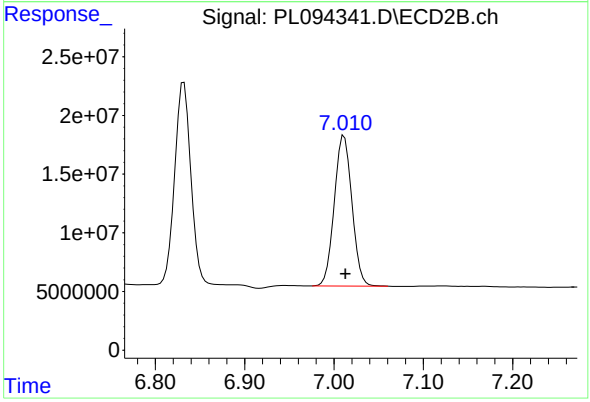
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.001 min
Response: 216991145
Conc: 50.85 ng/ml



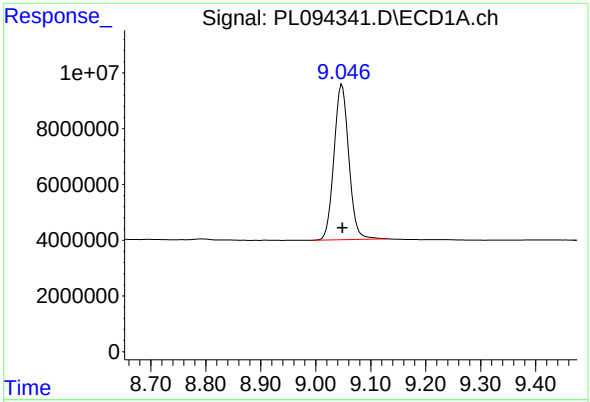
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 99634258
Conc: 48.29 ng/ml



#22 Mirex

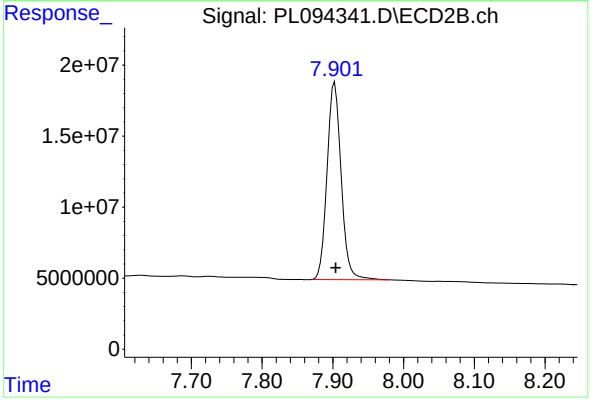
R.T.: 7.011 min
Delta R.T.: -0.001 min
Response: 175760145
Conc: 50.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.001 min
Response: 104379455
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL022125



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.002 min
Response: 192124772
Conc: 49.96 ng/ml

Raw Data: **PL094387.D**

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Continuing Calib Date: 02/25/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 10:28 **Initial Calibration Time(s):** 10:56 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	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
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	7.15	7.05	7.25	-0.01
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: **PL094387.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Continuing Calib Date: 02/25/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 10:28 **Initial Calibration Time(s):** 10:56 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	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	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	6.83	6.73	6.93	-0.01
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	4.97	4.97	4.87	5.07	0.00

Raw Data: **PL094387.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094387.D **Time Analyzed:** 10:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.606	6.806	54.830	50.000	9.7
4,4'-DDE	6.191	6.088	6.288	48.610	50.000	-2.8
4,4'-DDT	7.023	6.919	7.119	44.040	50.000	-11.9
Aldrin	5.255	5.153	5.353	47.360	50.000	-5.3
alpha-BHC	3.993	3.891	4.091	48.490	50.000	-3.0
alpha-Chlordane	6.017	5.915	6.115	46.660	50.000	-6.7
beta-BHC	4.525	4.422	4.622	47.550	50.000	-4.9
Decachlorobiphenyl	9.055	8.949	9.149	45.220	50.000	-9.6
delta-BHC	4.770	4.669	4.869	48.640	50.000	-2.7
Dieldrin	6.343	6.240	6.440	47.260	50.000	-5.5
Endosulfan I	6.068	5.965	6.165	46.100	50.000	-7.8
Endosulfan II	6.793	6.690	6.890	45.090	50.000	-9.8
Endosulfan sulfate	7.158	7.054	7.254	45.810	50.000	-8.4
Endrin	6.571	6.470	6.670	41.100	50.000	-17.8
Endrin aldehyde	6.923	6.820	7.020	47.060	50.000	-5.9
Endrin ketone	7.642	7.539	7.739	48.130	50.000	-3.7
gamma-BHC (Lindane)	4.326	4.224	4.424	47.800	50.000	-4.4
gamma-Chlordane	5.938	5.835	6.035	46.350	50.000	-7.3
Heptachlor	4.913	4.812	5.012	46.870	50.000	-6.3
Heptachlor epoxide	5.682	5.579	5.779	47.450	50.000	-5.1
Methoxychlor	7.499	7.396	7.596	46.040	50.000	-7.9
Tetrachloro-m-xylene	3.537	3.435	3.635	49.460	50.000	-1.1

Raw Data: **PL094387.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094387.D **Time Analyzed:** 10:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.781	5.679	5.879	55.670	50.000	11.3
4,4'-DDE	5.224	5.124	5.324	51.060	50.000	2.1
4,4'-DDT	6.030	5.929	6.129	47.360	50.000	-5.3
Aldrin	4.221	4.119	4.319	50.070	50.000	0.1
alpha-BHC	3.273	3.172	3.372	50.880	50.000	1.8
alpha-Chlordane	5.036	4.935	5.135	48.610	50.000	-2.8
beta-BHC	3.904	3.803	4.003	50.310	50.000	0.6
Decachlorobiphenyl	7.906	7.804	8.004	44.740	50.000	-10.5
delta-BHC	4.132	4.030	4.230	50.940	50.000	1.9
Dieldrin	5.357	5.256	5.456	49.300	50.000	-1.4
Endosulfan I	5.093	4.991	5.191	45.550	50.000	-8.9
Endosulfan II	5.926	5.826	6.026	51.100	50.000	2.2
Endosulfan sulfate	6.328	6.228	6.428	47.080	50.000	-5.8
Endrin	5.632	5.531	5.731	54.510	50.000	9.0
Endrin aldehyde	6.106	6.006	6.206	49.540	50.000	-0.9
Endrin ketone	6.835	6.733	6.933	50.750	50.000	1.5
gamma-BHC (Lindane)	3.603	3.502	3.702	50.640	50.000	1.3
gamma-Chlordane	4.973	4.872	5.072	49.210	50.000	-1.6
Heptachlor	3.941	3.840	4.040	48.640	50.000	-2.7
Heptachlor epoxide	4.723	4.622	4.822	49.230	50.000	-1.5
Methoxychlor	6.605	6.505	6.705	45.150	50.000	-9.7
Tetrachloro-m-xylene	2.771	2.670	2.870	52.530	50.000	5.1

Quantitation Report (QT Reviewed)

Sample Results: **PL094387.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 10:28
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:08:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	2.771	125.6E6	167.6E6	49.460	52.529
28)	SA Decachlor...	9.055	7.906	96199172	172.0E6	45.222	44.737
	Target Compounds						
2)	A alpha-BHC	3.993	3.273	183.4E6	250.1E6	48.491	50.879
3)	MA gamma-BHC...	4.326	3.603	176.6E6	238.5E6	47.801	50.641
4)	MA Heptachlor	4.913	3.941	158.9E6	229.6E6	46.873	48.636
5)	MB Aldrin	5.255	4.221	162.5E6	231.3E6	47.365	50.070
6)	B beta-BHC	4.525	3.904	75931848	100.1E6	47.549	50.308
7)	B delta-BHC	4.770	4.132	172.1E6	241.2E6	48.638m	50.939
8)	B Heptachlo...	5.682	4.723	143.0E6	209.5E6	47.446	49.229
9)	A Endosulfan I	6.068	5.093	126.7E6	181.6E6	46.104	45.547
10)	B gamma-Chl...	5.938	4.973	136.1E6	213.5E6	46.347	49.209
11)	B alpha-Chl...	6.017	5.036	135.2E6	209.9E6	46.657	48.611
12)	B 4,4'-DDE	6.191	5.224	127.0E6	214.4E6	48.612	51.059m
13)	MA Dieldrin	6.343	5.357	134.6E6	216.0E6	47.259	49.298
14)	MA Endrin	6.571	5.632	104.9E6	185.6E6	41.103m	54.515 #
15)	B Endosulfa...	6.793	5.926	113.5E6	191.1E6	45.093	51.097m
16)	A 4,4'-DDD	6.709	5.781	101.4E6	177.3E6	54.827	55.665
17)	MA 4,4'-DDT	7.023	6.030	92494430	168.4E6	44.044	47.356
18)	B Endrin al...	6.923	6.106	91622690	156.6E6	47.063	49.542
19)	B Endosulfa...	7.158	6.328	103.7E6	173.9E6	45.810	47.084m
20)	A Methoxychlor	7.499	6.605	51147154	88095336	46.035	45.153
21)	B Endrin ke...	7.642	6.835	120.7E6	216.6E6	48.127	50.746
22)	Mirex	8.116	7.013	92727799	172.2E6	44.941	49.382m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 10:28
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

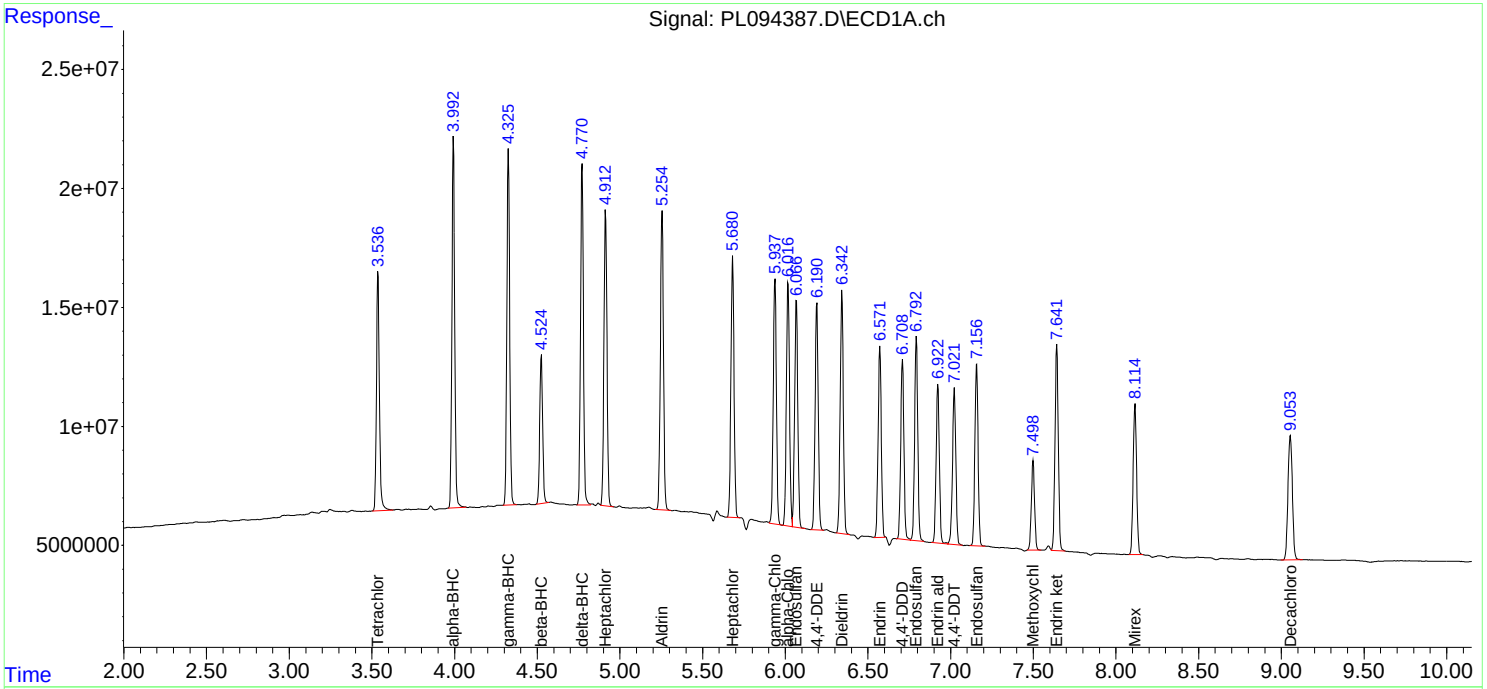
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

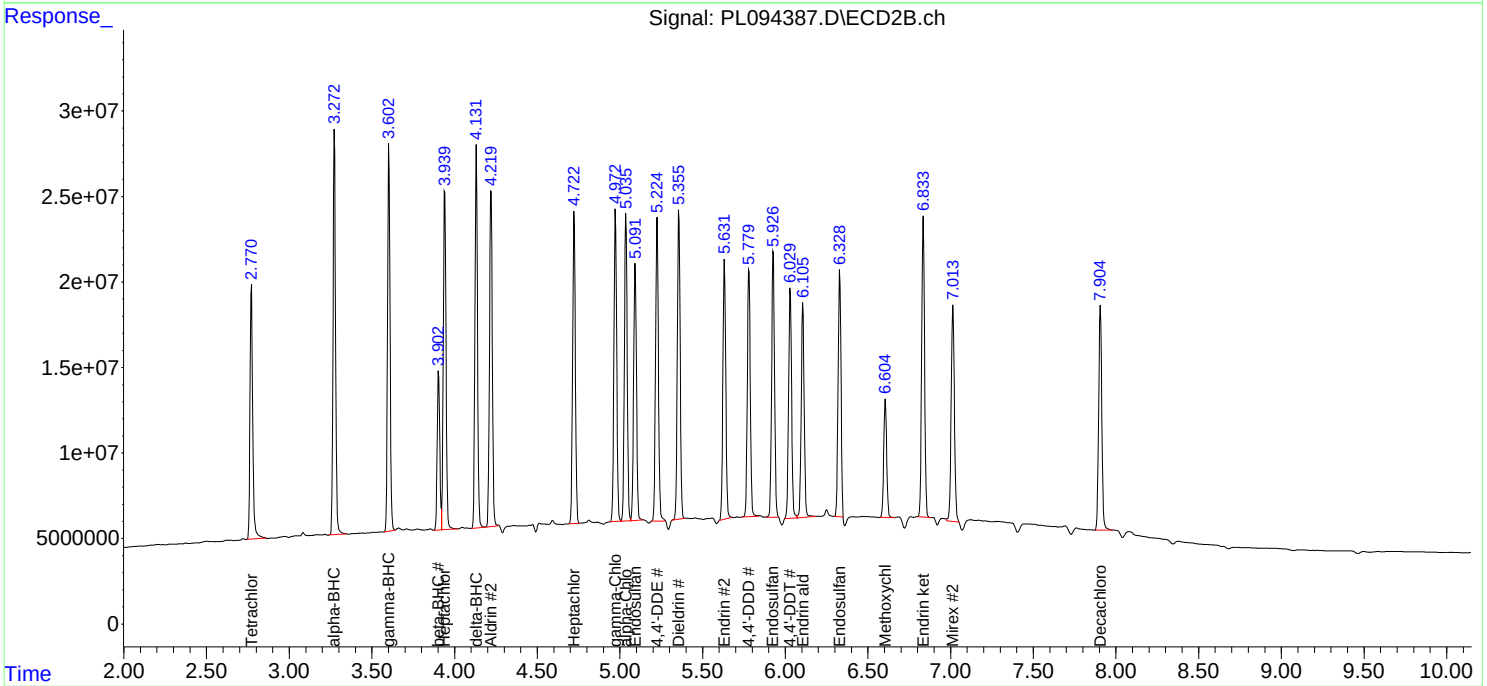
Manual Integrations APPROVED

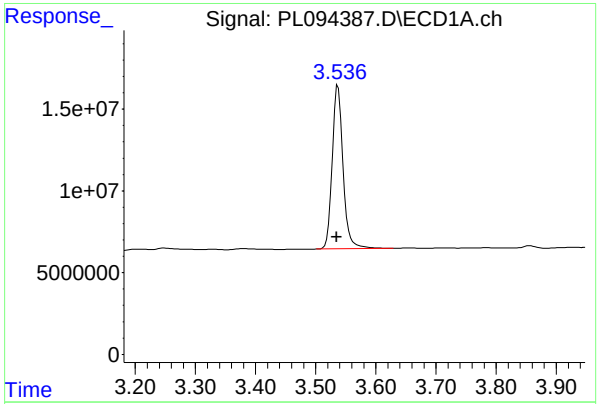
Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:08:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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







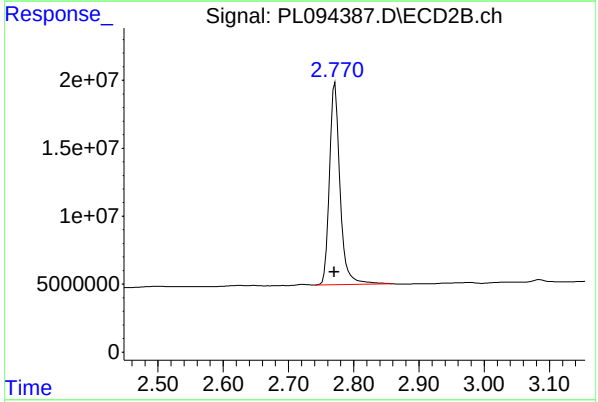
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 125582662
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

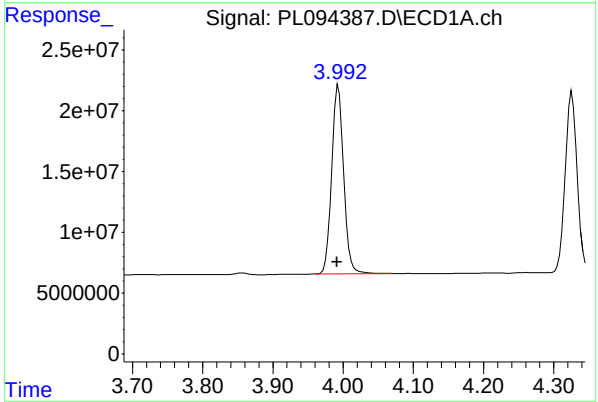
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



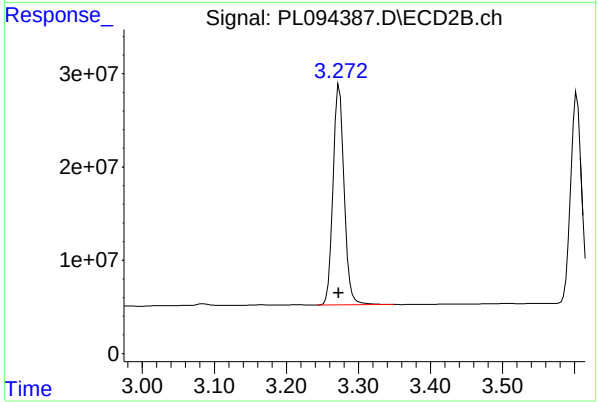
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.001 min
Response: 167628538
Conc: 52.53 ng/ml



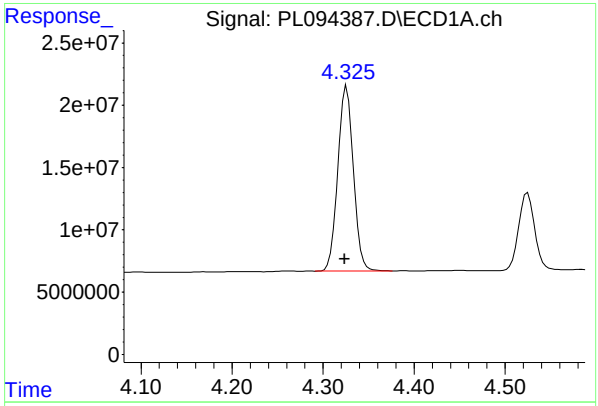
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.002 min
Response: 183425559
Conc: 48.49 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.001 min
Response: 250059376
Conc: 50.88 ng/ml



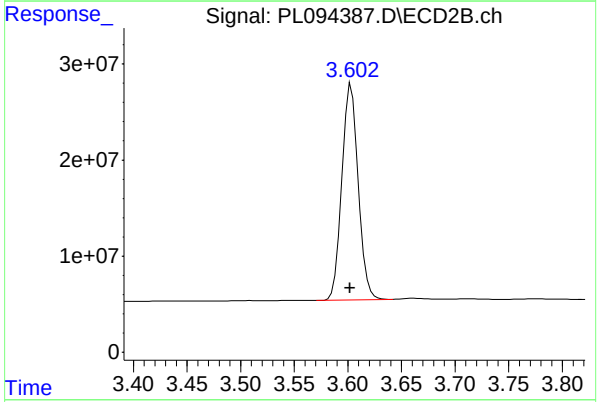
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.002 mi
Response: 176612997
Conc: 47.80 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

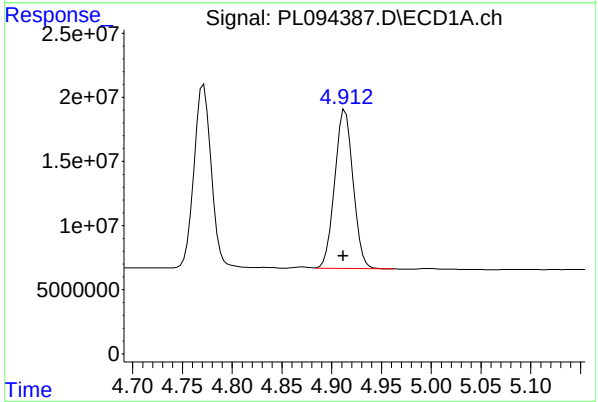
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



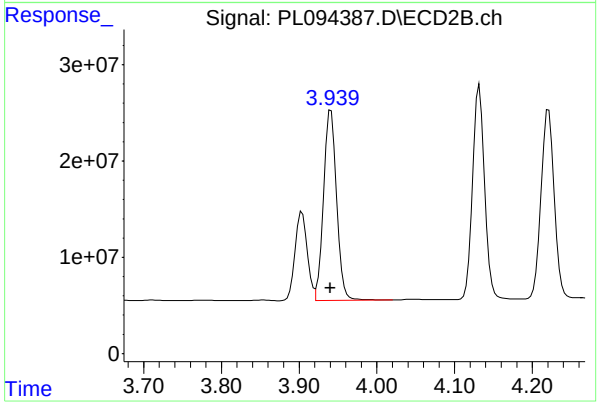
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: 0.001 min
Response: 238515258
Conc: 50.64 ng/ml



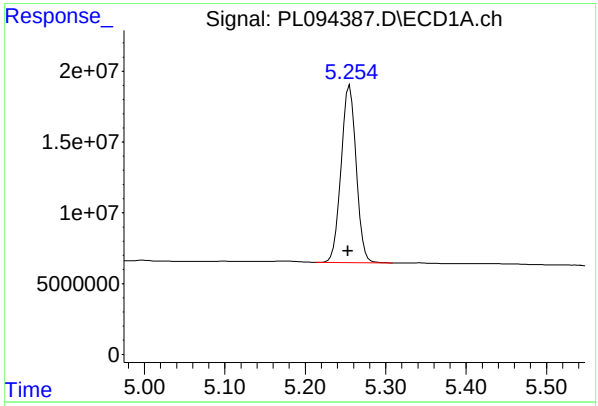
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.002 min
Response: 158916273
Conc: 46.87 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: 0.001 min
Response: 229576048
Conc: 48.64 ng/ml



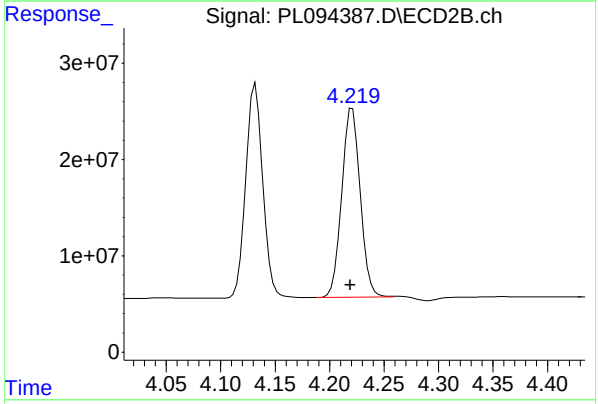
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.002 min
Response: 162543521
Conc: 47.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

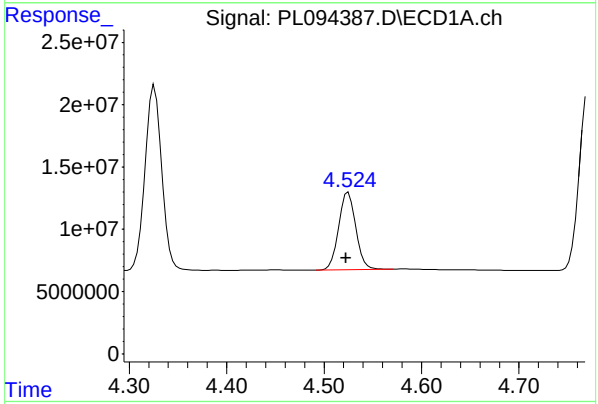
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



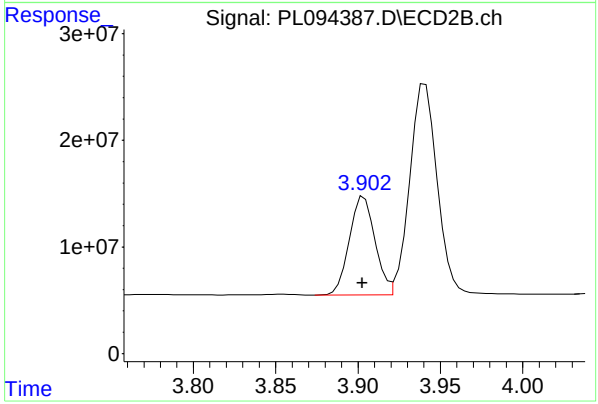
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.002 min
Response: 231340368
Conc: 50.07 ng/ml



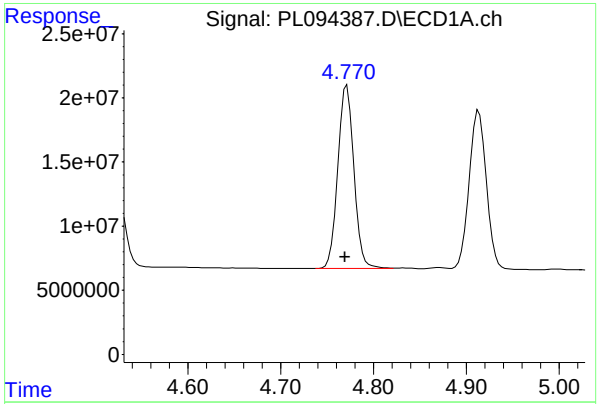
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 75931848
Conc: 47.55 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.001 min
Response: 100059643
Conc: 50.31 ng/ml



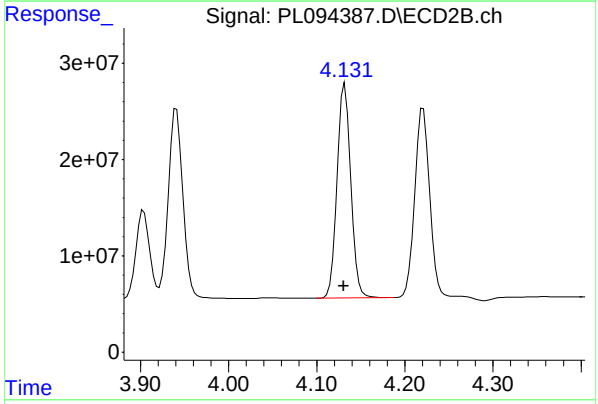
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 172094337
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

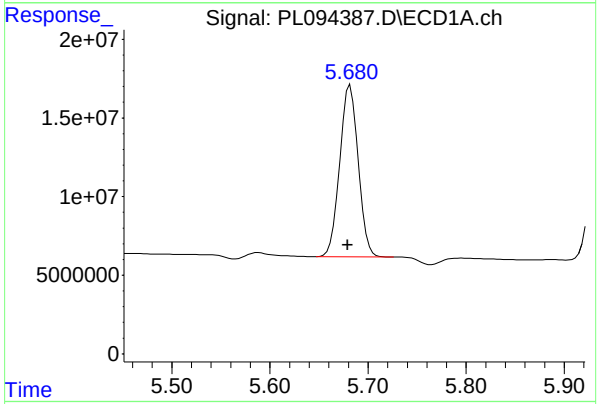
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



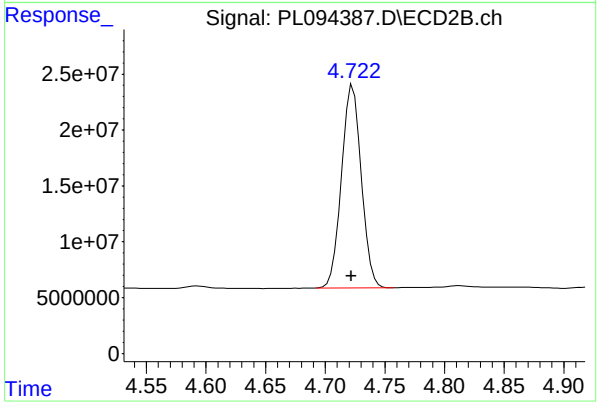
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.002 min
Response: 241234666
Conc: 50.94 ng/ml



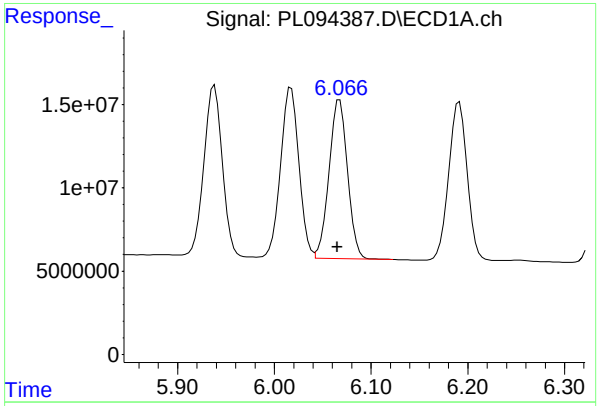
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.003 min
Response: 142973510
Conc: 47.45 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: 0.001 min
Response: 209487620
Conc: 49.23 ng/ml



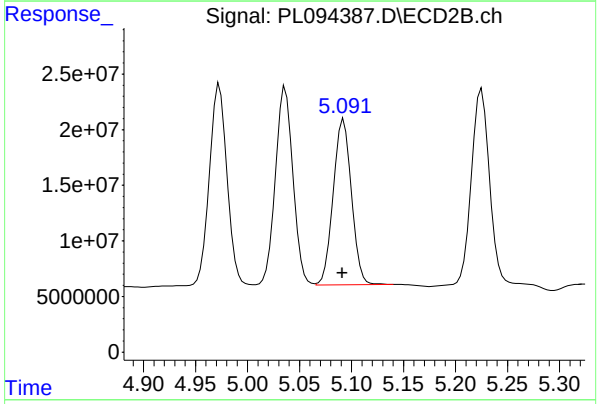
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.002 min
Response: 126721706
Conc: 46.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

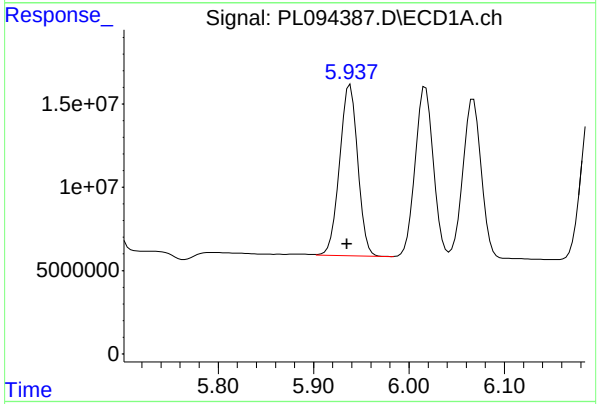
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



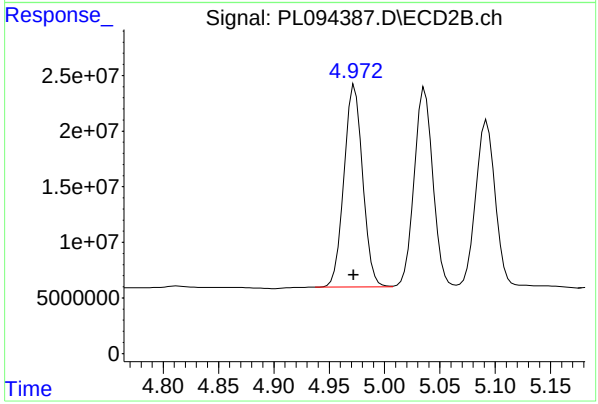
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.001 min
Response: 181577701
Conc: 45.55 ng/ml



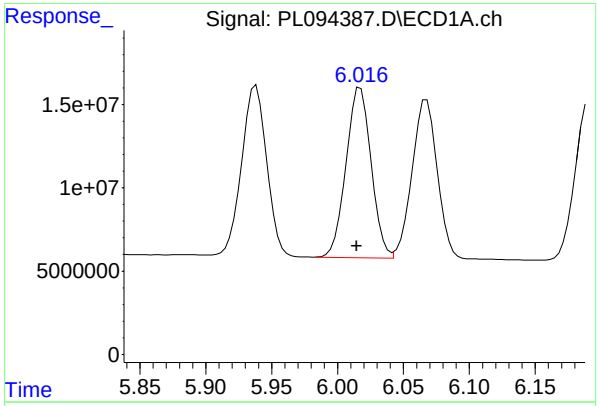
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.003 min
Response: 136081602
Conc: 46.35 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: 0.001 min
Response: 213511229
Conc: 49.21 ng/ml



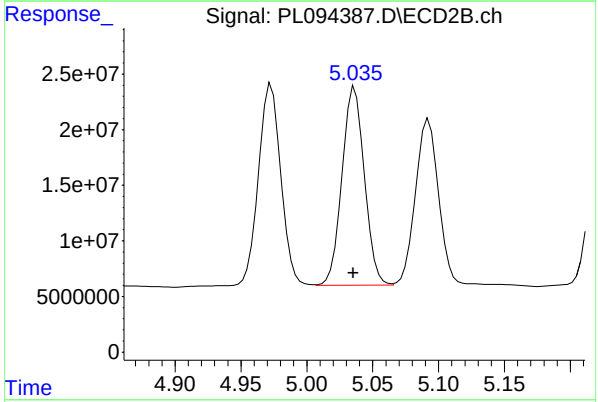
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.003 mi
Response: 135170022
Conc: 46.66 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

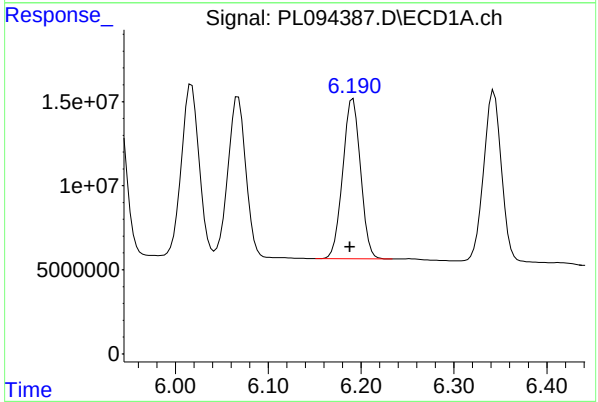
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



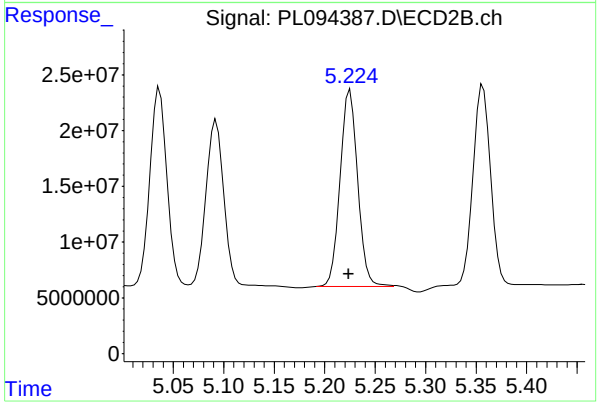
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: 0.001 min
Response: 209885176
Conc: 48.61 ng/ml



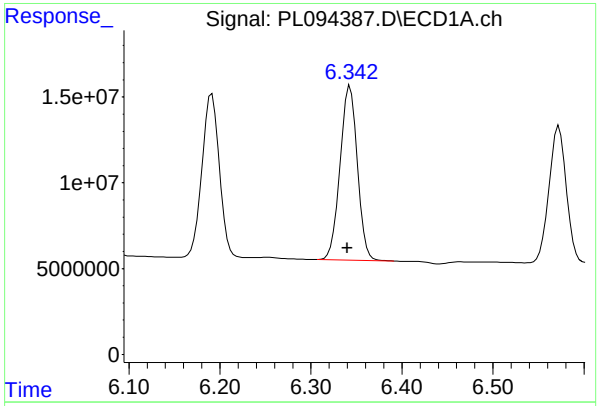
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.003 min
Response: 126959697
Conc: 48.61 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 214446976
Conc: 51.06 ng/ml m



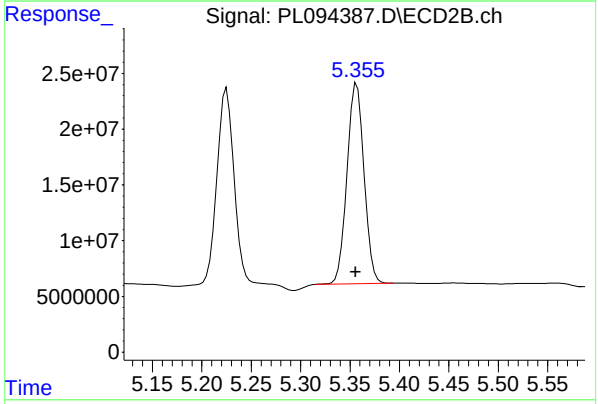
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.003 mi
Response: 134641135
Conc: 47.26 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

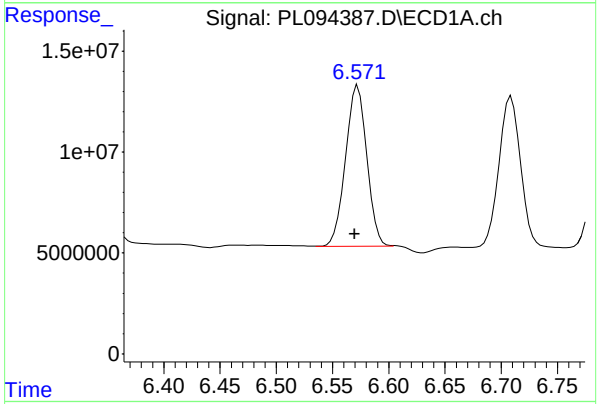
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



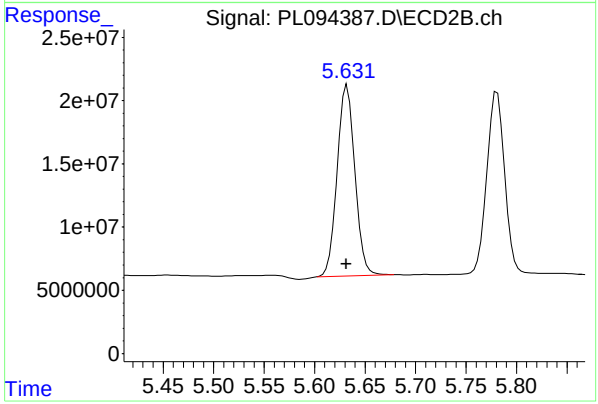
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.001 min
Response: 216014806
Conc: 49.30 ng/ml



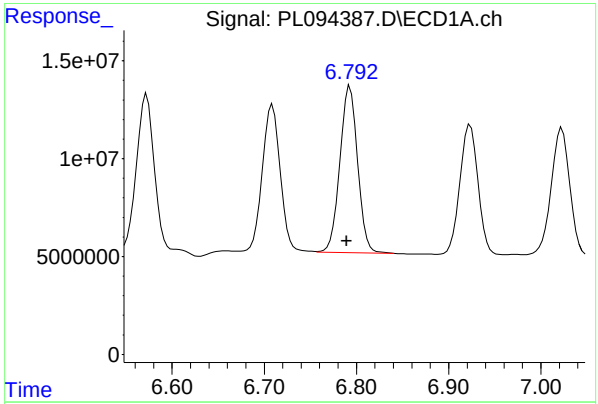
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.002 min
Response: 104905397
Conc: 41.10 ng/ml m



#14 Endrin

R.T.: 5.632 min
Delta R.T.: 0.000 min
Response: 185607526
Conc: 54.51 ng/ml



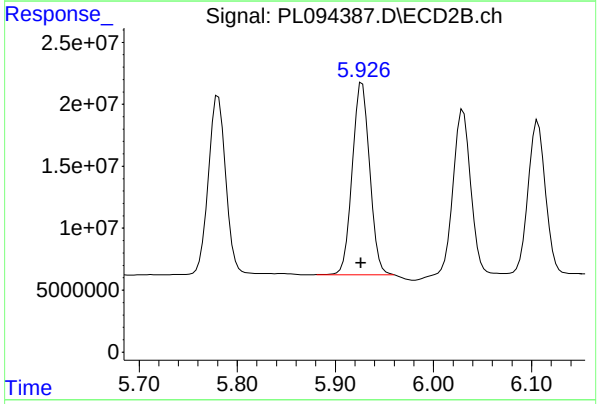
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.003 mi
Response: 113509796
Conc: 45.09 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

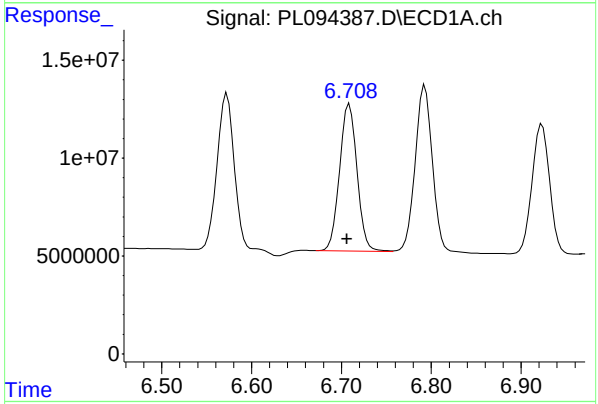
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



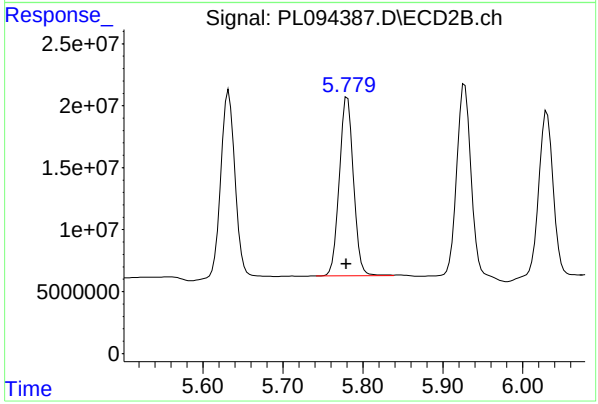
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 191079396
Conc: 51.10 ng/ml m



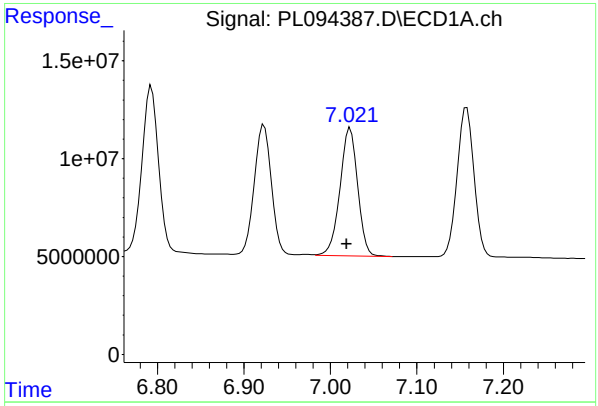
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 101416010
Conc: 54.83 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.002 min
Response: 177311190
Conc: 55.67 ng/ml



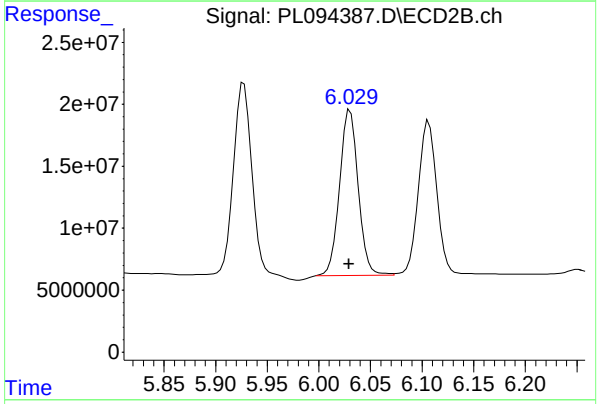
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.004 min
Response: 92494430
Conc: 44.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

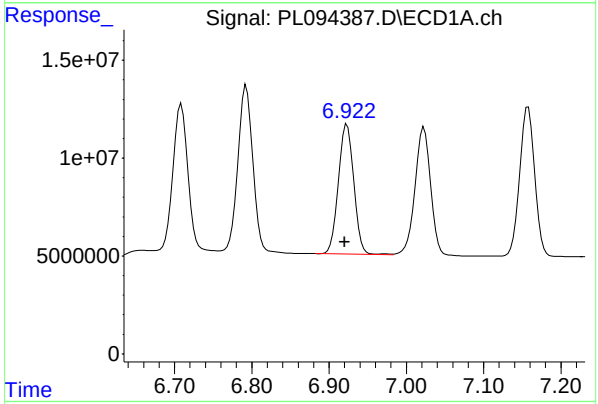
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



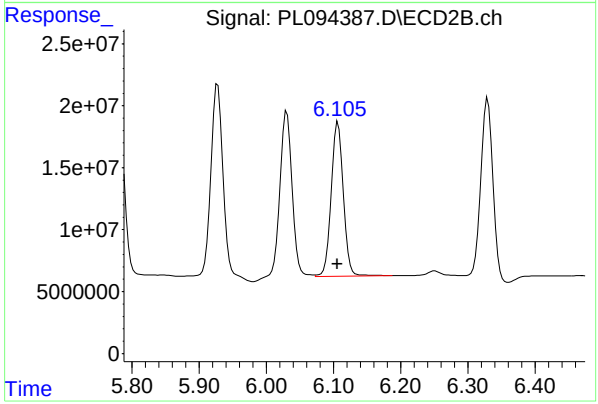
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: 0.001 min
Response: 168446259
Conc: 47.36 ng/ml



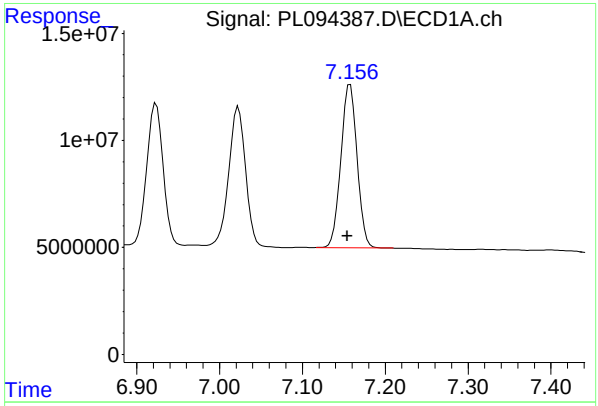
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.003 min
Response: 91622690
Conc: 47.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 156574883
Conc: 49.54 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.003 mi
Response: 103706664
Conc: 45.81 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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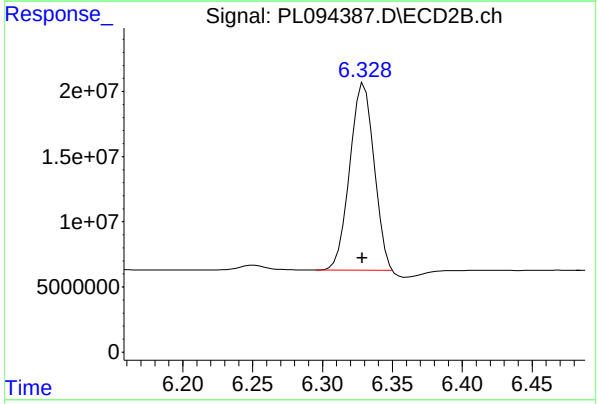
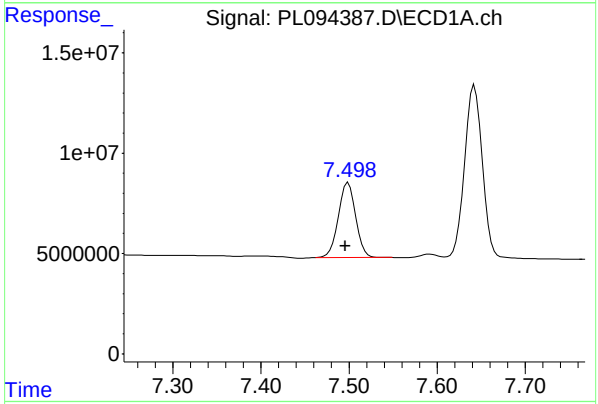


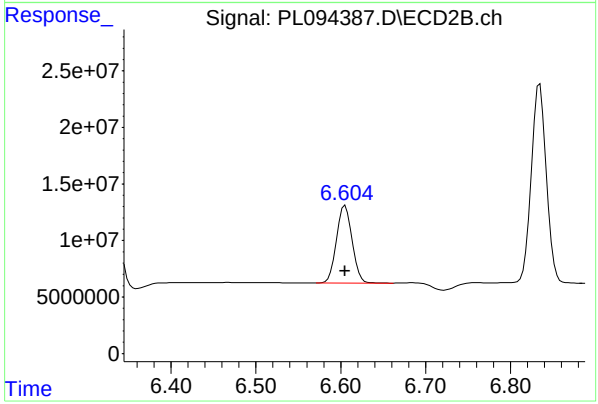
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 173910262
Conc: 47.08 ng/ml m



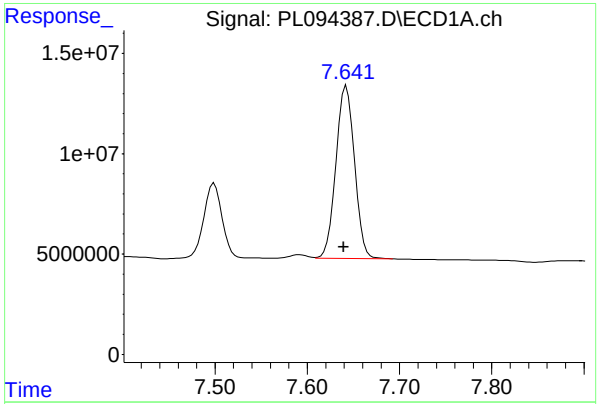
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.004 min
Response: 51147154
Conc: 46.04 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 88095336
Conc: 45.15 ng/ml



#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.003 mi
Response: 120650184
Conc: 48.13 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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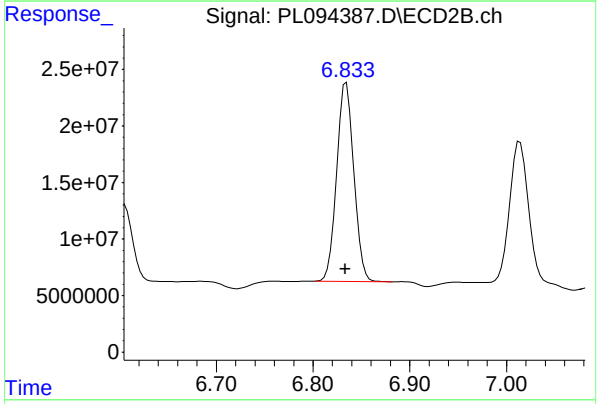
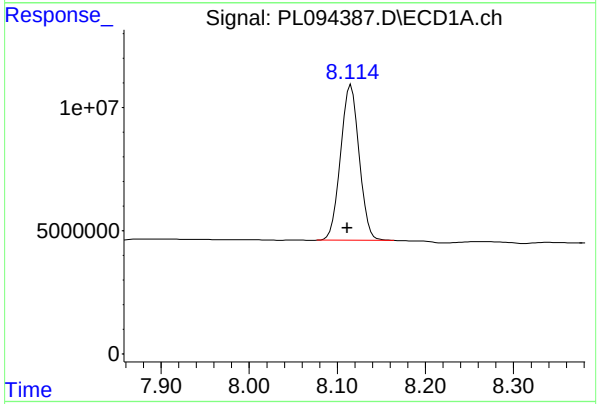


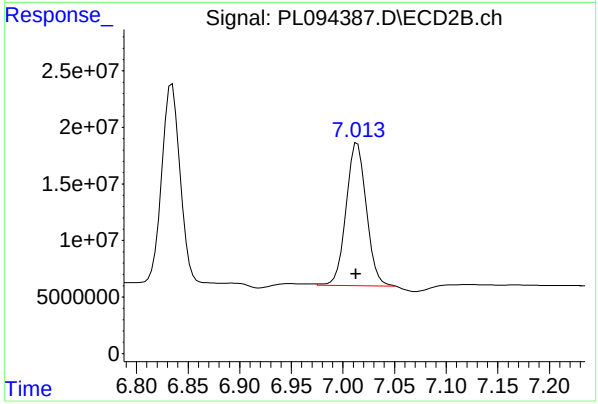
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.001 min
Response: 216559173
Conc: 50.75 ng/ml



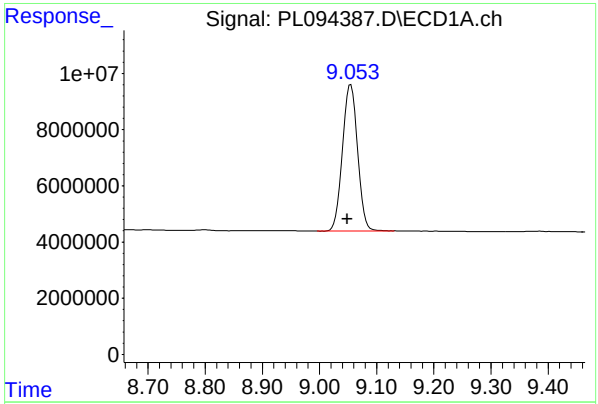
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.004 min
Response: 92727799
Conc: 44.94 ng/ml



#22 Mirex

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 172195743
Conc: 49.38 ng/ml m



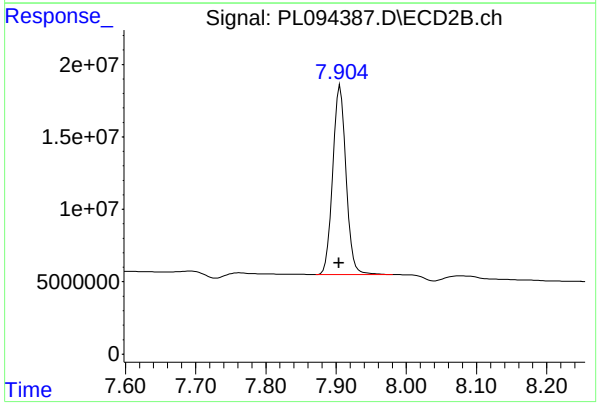
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.006 mi
Response: 96199172
Conc: 45.22 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.002 min
Response: 172041018
Conc: 44.74 ng/ml

Raw Data: **PL094398.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Continuing Calib Date: 02/25/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 15:52 **Initial Calibration Time(s):** 10:56 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	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.25	5.25	5.15	5.35	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	7.15	7.05	7.25	-0.01
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: **PL094398.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Continuing Calib Date: 02/25/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 15:52 **Initial Calibration Time(s):** 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.90	7.80	8.00	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	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	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.83	6.73	6.93	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	4.97	4.97	4.87	5.07	0.00

Raw Data: **PL094398.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094398.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.606	6.806	56.460	50.000	12.9
4,4'-DDE	6.190	6.088	6.288	49.460	50.000	-1.1
4,4'-DDT	7.021	6.919	7.119	43.310	50.000	-13.4
Aldrin	5.254	5.153	5.353	47.610	50.000	-4.8
alpha-BHC	3.992	3.891	4.091	49.100	50.000	-1.8
alpha-Chlordane	6.016	5.915	6.115	47.330	50.000	-5.3
beta-BHC	4.523	4.422	4.622	48.110	50.000	-3.8
Decachlorobiphenyl	9.051	8.949	9.149	45.610	50.000	-8.8
delta-BHC	4.770	4.669	4.869	48.340	50.000	-3.3
Dieldrin	6.341	6.240	6.440	47.370	50.000	-5.3
Endosulfan I	6.066	5.965	6.165	46.650	50.000	-6.7
Endosulfan II	6.791	6.690	6.890	45.540	50.000	-8.9
Endosulfan sulfate	7.156	7.054	7.254	45.830	50.000	-8.3
Endrin	6.570	6.470	6.670	40.890	50.000	-18.2
Endrin aldehyde	6.921	6.820	7.020	47.240	50.000	-5.5
Endrin ketone	7.641	7.539	7.739	47.940	50.000	-4.1
gamma-BHC (Lindane)	4.324	4.224	4.424	48.600	50.000	-2.8
gamma-Chlordane	5.937	5.835	6.035	46.670	50.000	-6.7
Heptachlor	4.913	4.812	5.012	46.650	50.000	-6.7
Heptachlor epoxide	5.681	5.579	5.779	48.140	50.000	-3.7
Methoxychlor	7.497	7.396	7.596	43.360	50.000	-13.3
Tetrachloro-m-xylene	3.536	3.435	3.635	50.080	50.000	0.2

Raw Data: **PL094398.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094398.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.780	5.679	5.879	56.890	50.000	13.8
4,4'-DDE	5.223	5.124	5.324	50.920	50.000	1.8
4,4'-DDT	6.029	5.929	6.129	43.870	50.000	-12.3
Aldrin	4.220	4.119	4.319	51.330	50.000	2.7
alpha-BHC	3.273	3.172	3.372	51.680	50.000	3.4
alpha-Chlordane	5.036	4.935	5.135	49.770	50.000	-0.5
beta-BHC	3.903	3.803	4.003	51.330	50.000	2.7
Decachlorobiphenyl	7.904	7.804	8.004	43.150	50.000	-13.7
delta-BHC	4.131	4.030	4.230	51.730	50.000	3.5
Dieldrin	5.356	5.256	5.456	49.550	50.000	-0.9
Endosulfan I	5.092	4.991	5.191	46.230	50.000	-7.5
Endosulfan II	5.926	5.826	6.026	50.040	50.000	0.1
Endosulfan sulfate	6.329	6.228	6.428	49.100	50.000	-1.8
Endrin	5.631	5.531	5.731	52.970	50.000	5.9
Endrin aldehyde	6.106	6.006	6.206	47.350	50.000	-5.3
Endrin ketone	6.834	6.733	6.933	49.490	50.000	-1.0
gamma-BHC (Lindane)	3.603	3.502	3.702	51.900	50.000	3.8
gamma-Chlordane	4.972	4.872	5.072	50.320	50.000	0.6
Heptachlor	3.940	3.840	4.040	48.960	50.000	-2.1
Heptachlor epoxide	4.722	4.622	4.822	50.690	50.000	1.4
Methoxychlor	6.604	6.505	6.705	42.310	50.000	-15.4
Tetrachloro-m-xylene	2.771	2.670	2.870	52.160	50.000	4.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:13:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	2.771	127.2E6	166.5E6	50.078	52.165
28)	SA Decachlor...	9.051	7.904	97014900	165.9E6	45.605	43.149
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	185.7E6	254.0E6	49.100	51.684
3)	MA gamma-BHC...	4.324	3.603	179.6E6	244.4E6	48.597	51.896
4)	MA Heptachlor	4.913	3.940	158.2E6	231.1E6	46.649	48.961
5)	MB Aldrin	5.254	4.220	163.4E6	237.2E6	47.611	51.333
6)	B beta-BHC	4.523	3.903	76832947	102.1E6	48.114	51.326
7)	B delta-BHC	4.770	4.131	171.0E6	245.0E6	48.342	51.725
8)	B Heptachlo...	5.681	4.722	145.1E6	215.7E6	48.140	50.692
9)	A Endosulfan I	6.066	5.092	128.2E6	184.3E6	46.646	46.234
10)	B gamma-Chl...	5.937	4.972	137.0E6	218.3E6	46.671	50.324
11)	B alpha-Chl...	6.016	5.036	137.1E6	214.9E6	47.333	49.770
12)	B 4,4'-DDE	6.190	5.223	129.2E6	213.9E6	49.456	50.921m
13)	MA Dieldrin	6.341	5.356	135.0E6	217.1E6	47.371	49.547
14)	MA Endrin	6.570	5.631	104.4E6	180.4E6	40.891m	52.971 #
15)	B Endosulfa...	6.791	5.926	114.6E6	187.1E6	45.538	50.040
16)	A 4,4'-DDD	6.708	5.780	104.4E6	181.2E6	56.457	56.887
17)	MA 4,4'-DDT	7.021	6.029	90954048	156.1E6	43.311	43.875
18)	B Endrin al...	6.921	6.106	91974575	149.7E6	47.244	47.352
19)	B Endosulfa...	7.156	6.329	103.7E6	181.3E6	45.826	49.097
20)	A Methoxychlor	7.497	6.604	48173871	82545869	43.359	42.309
21)	B Endrin ke...	7.641	6.834	120.2E6	211.2E6	47.937	49.494
22)	Mirex	8.113	7.013	90238798	165.5E6	43.735	47.454

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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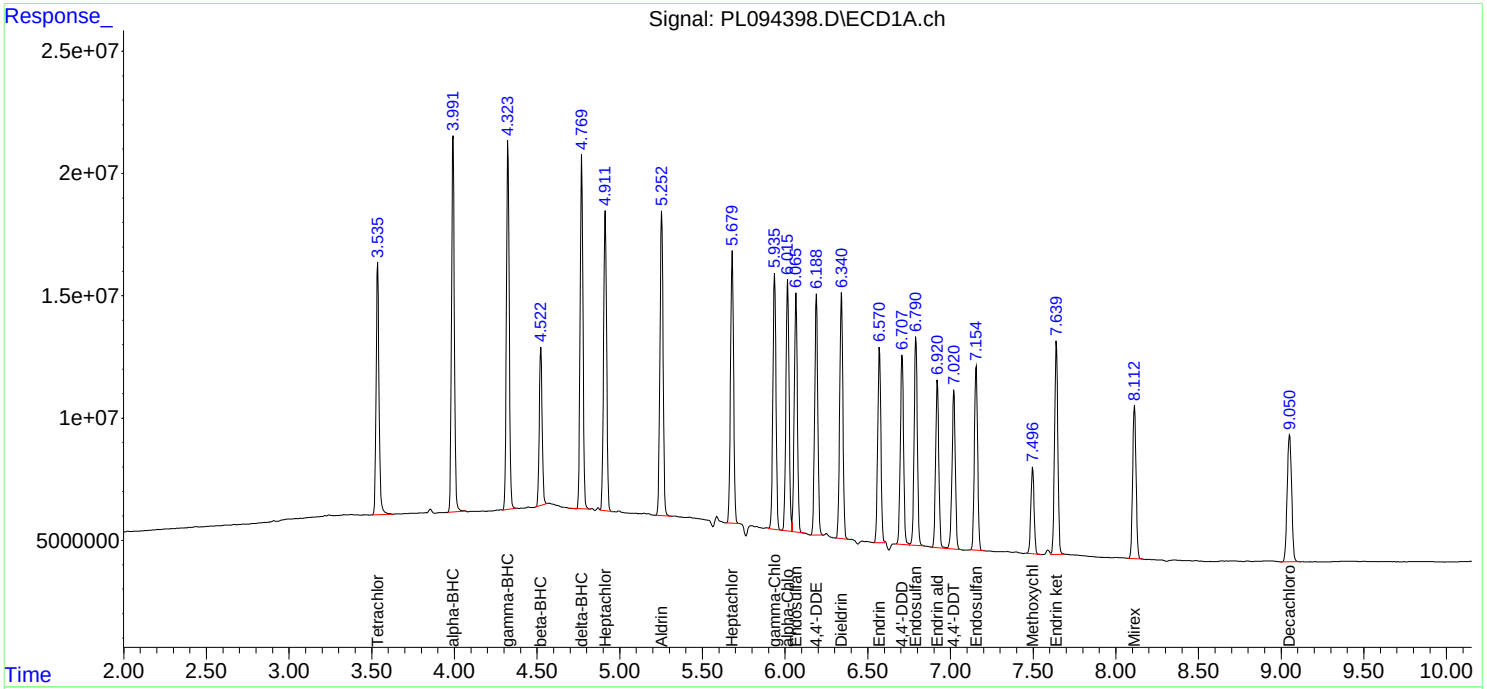
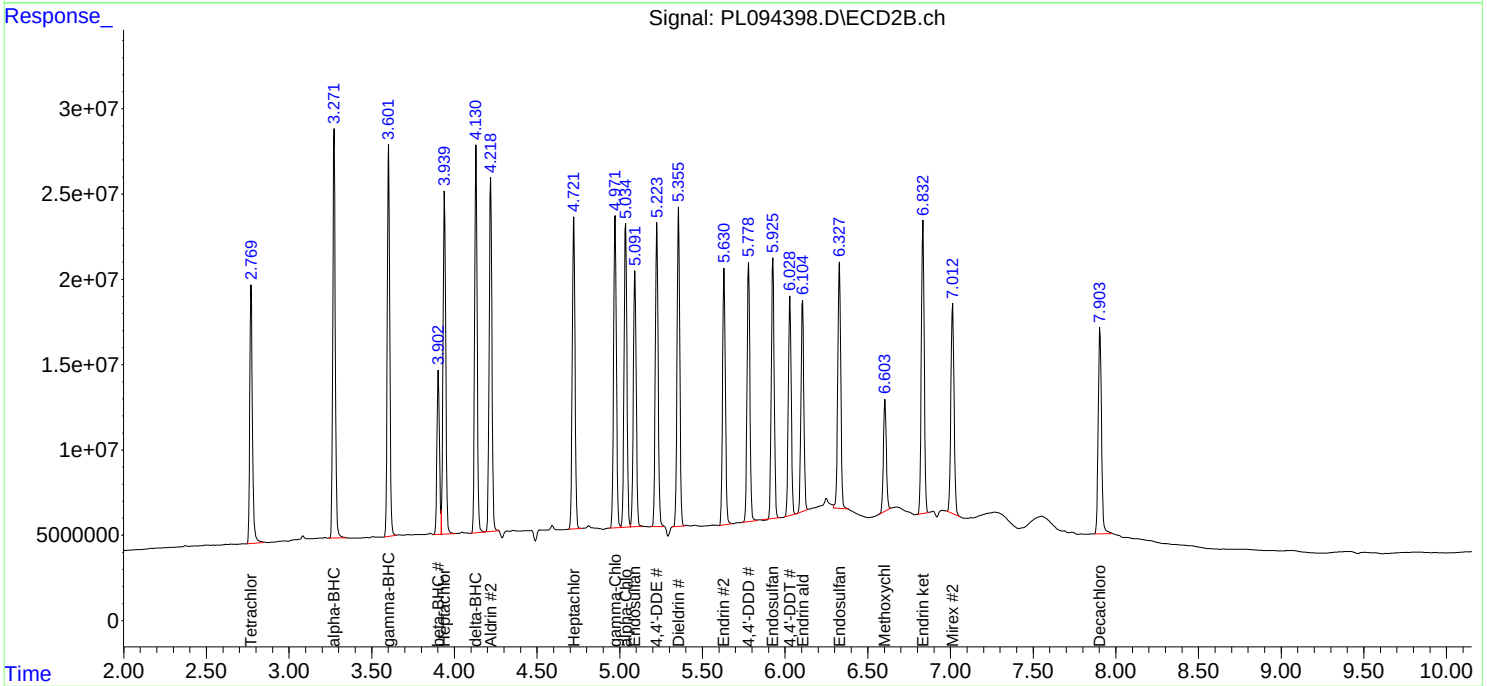
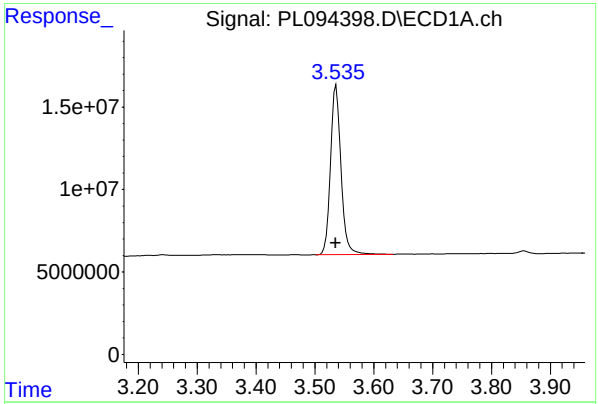
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:13:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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.: 0.001 min
Response: 127151962
Conc: 50.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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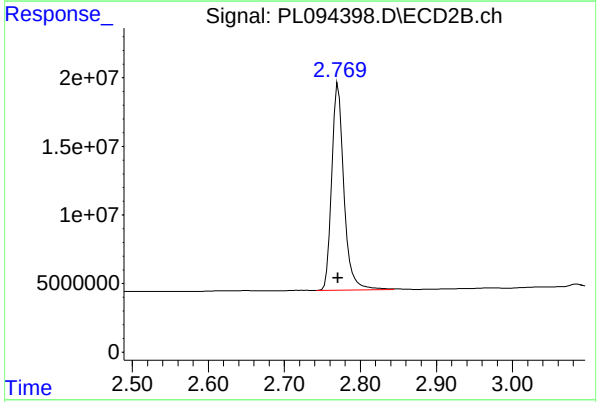
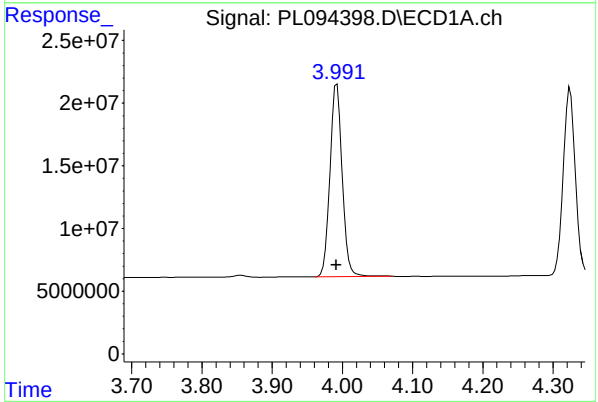


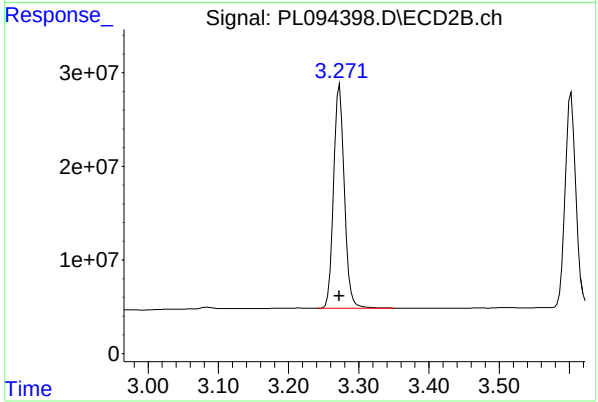
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 166466704
Conc: 52.16 ng/ml



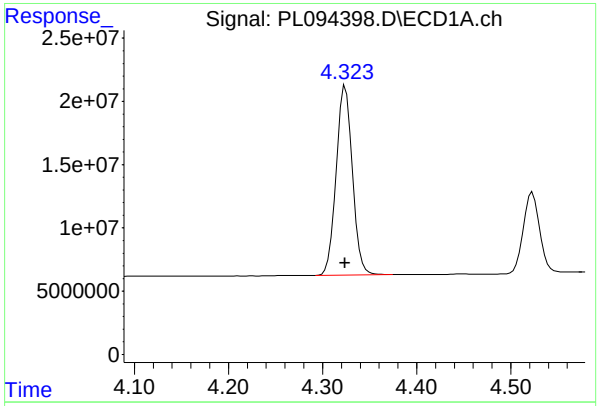
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 185729511
Conc: 49.10 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 254017941
Conc: 51.68 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 179553169
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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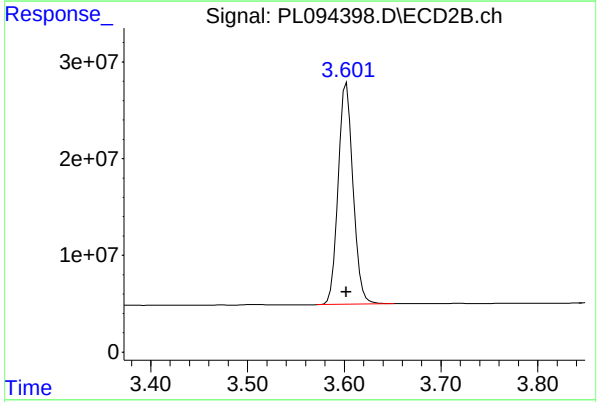
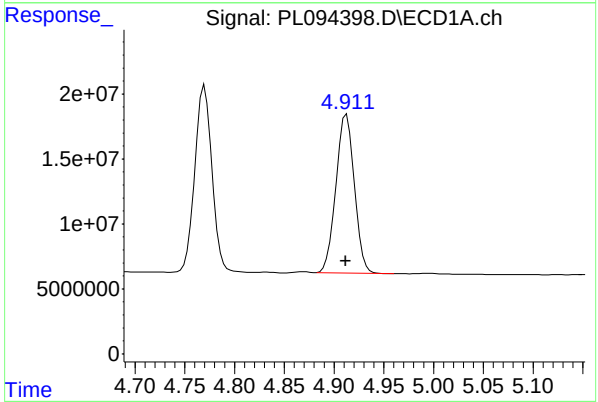


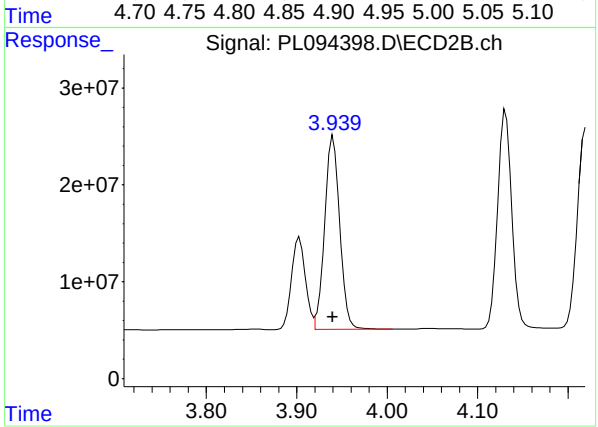
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: 0.000 min
Response: 244425994
Conc: 51.90 ng/ml



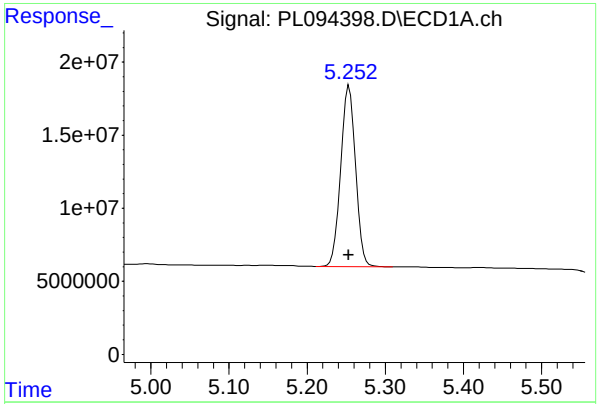
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 158157673
Conc: 46.65 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 231110428
Conc: 48.96 ng/ml



#5 Aldrin

R.T.: 5.254 min
Delta R.T.: 0.000 min
Response: 163388251
Conc: 47.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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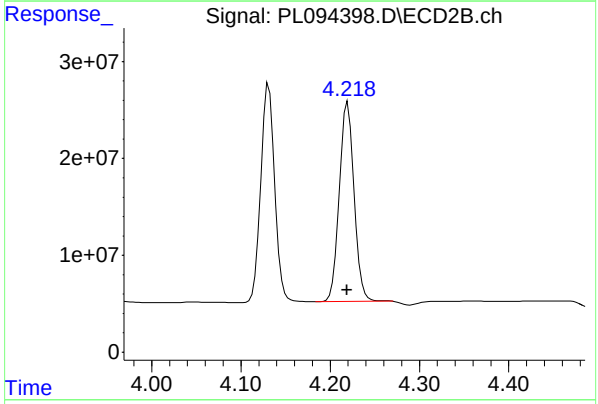
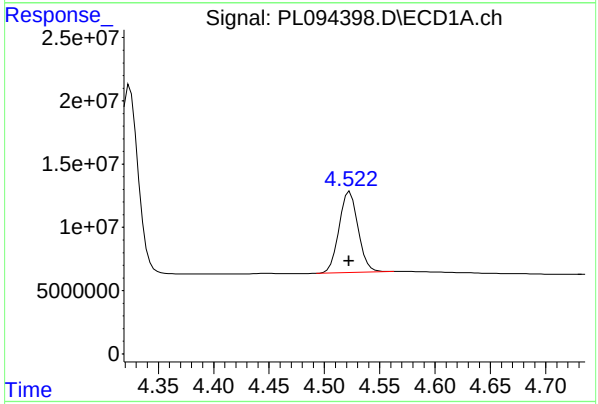


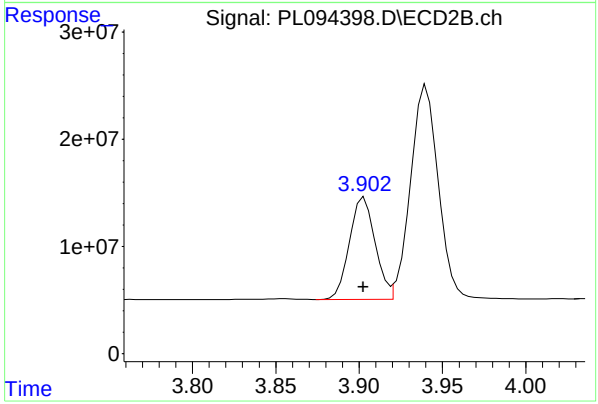
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 237179028
Conc: 51.33 ng/ml



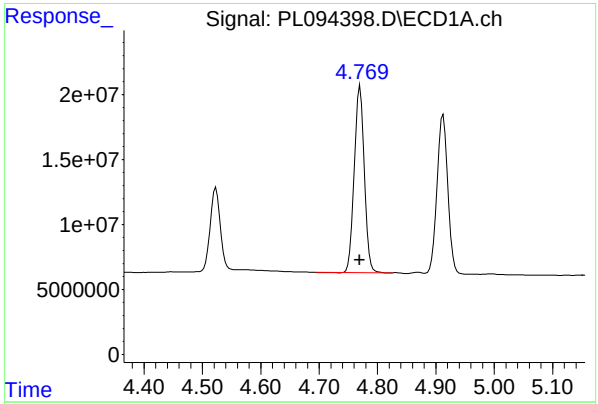
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 76832947
Conc: 48.11 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 102082622
Conc: 51.33 ng/ml



#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 171047824
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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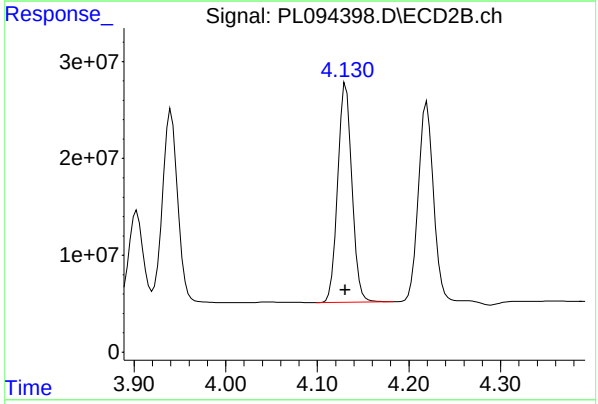
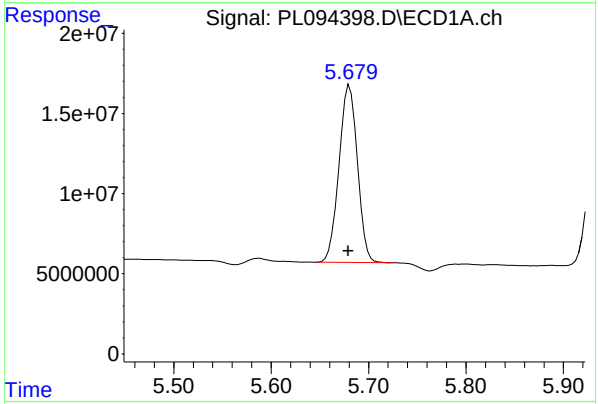


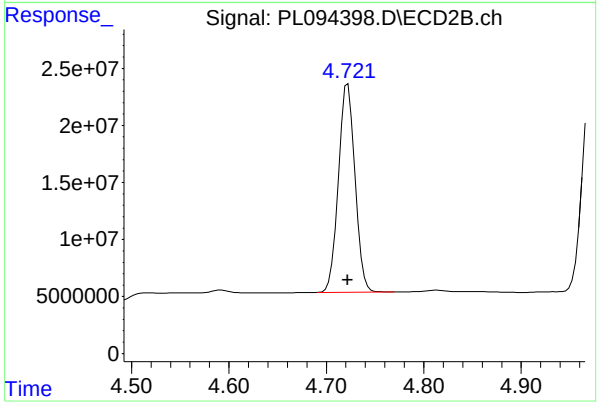
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: 0.000 min
Response: 244956013
Conc: 51.73 ng/ml



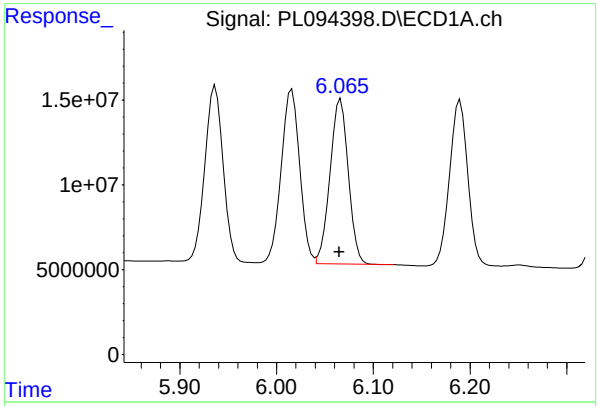
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.001 min
Response: 145064751
Conc: 48.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: 0.000 min
Response: 215715266
Conc: 50.69 ng/ml



#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: 0.001 min
Response: 128211092
Conc: 46.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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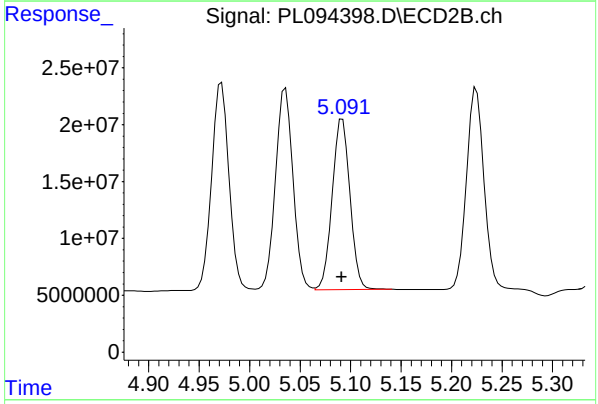
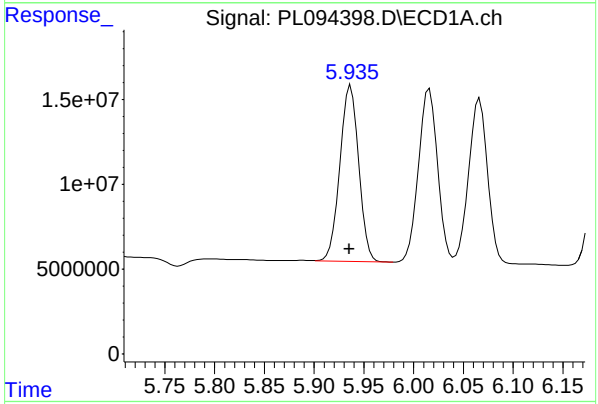


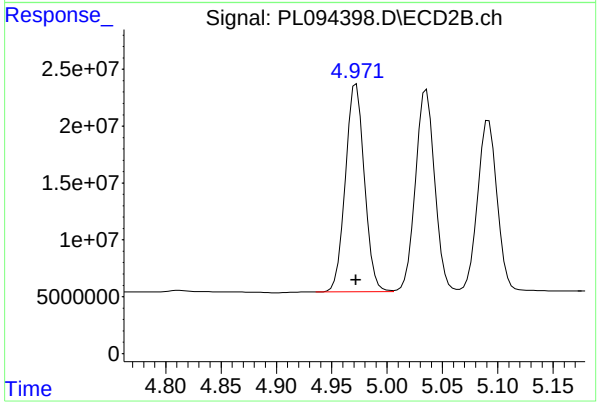
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 184315007
Conc: 46.23 ng/ml



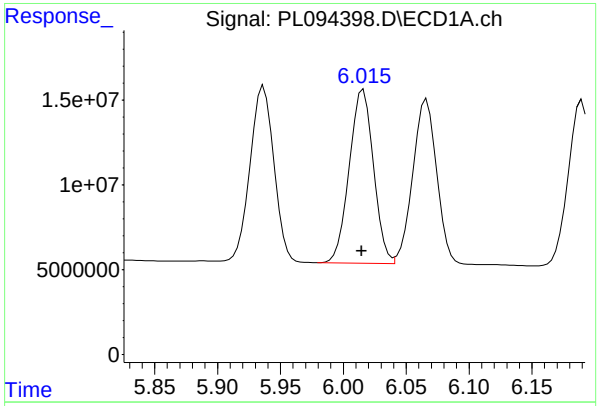
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.002 min
Response: 137031204
Conc: 46.67 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 218347107
Conc: 50.32 ng/ml



#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: 0.001 mi
Response: 137126703
Conc: 47.33 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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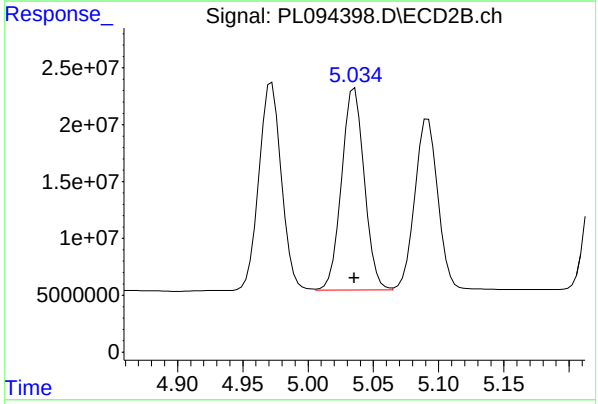
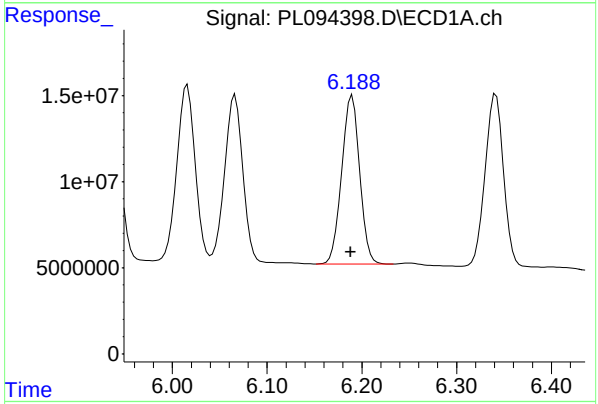


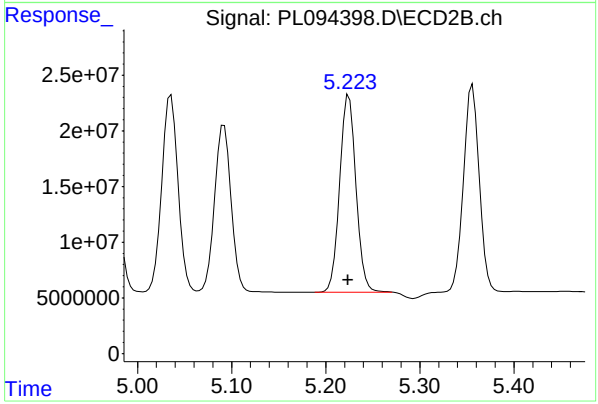
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 214887352
Conc: 49.77 ng/ml



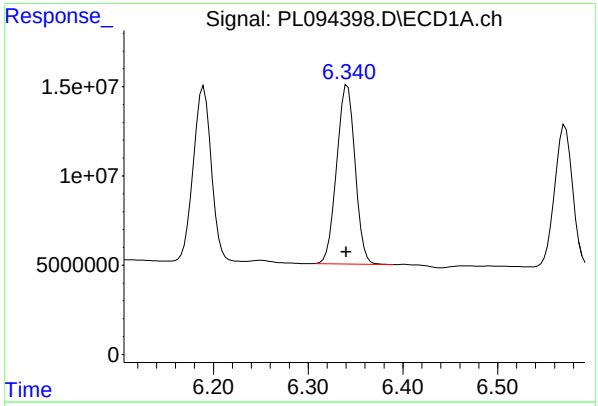
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.002 min
Response: 129166203
Conc: 49.46 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: 0.000 min
Response: 213868792
Conc: 50.92 ng/ml m



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.001 mi
Response: 134962378
Conc: 47.37 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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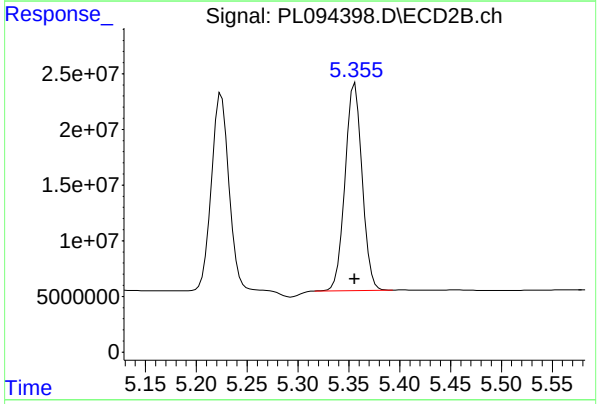
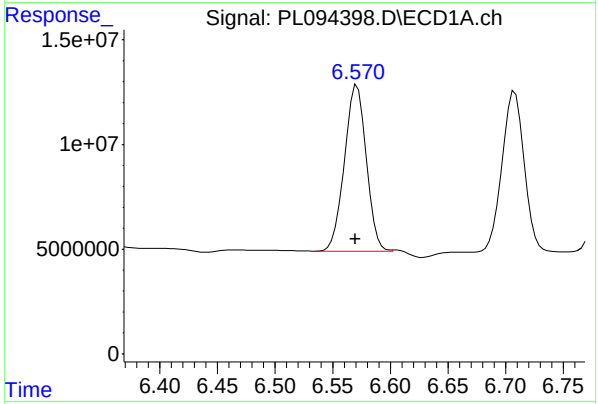


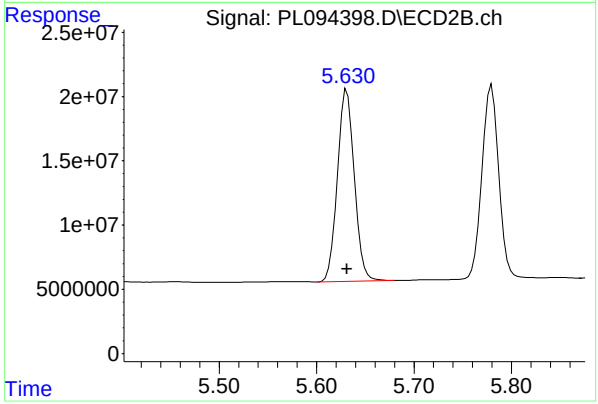
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 217105063
Conc: 49.55 ng/ml



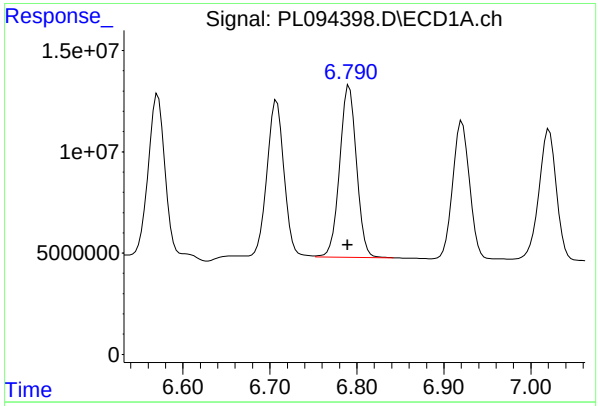
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 104366061
Conc: 40.89 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: 0.000 min
Response: 180352078
Conc: 52.97 ng/ml



#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.002 min
Response: 114631015
Conc: 45.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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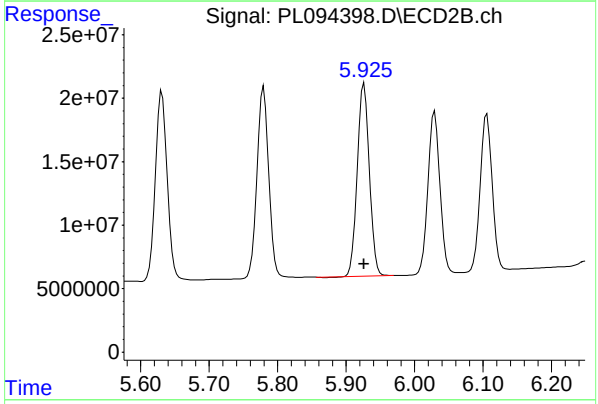
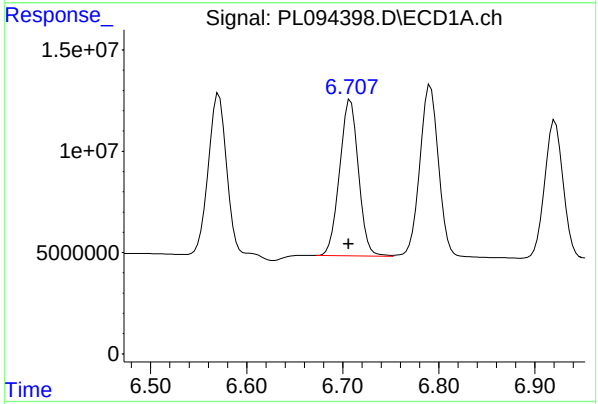


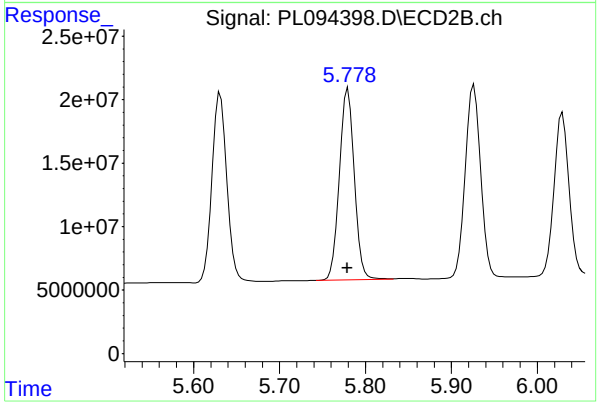
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 187124344
Conc: 50.04 ng/ml



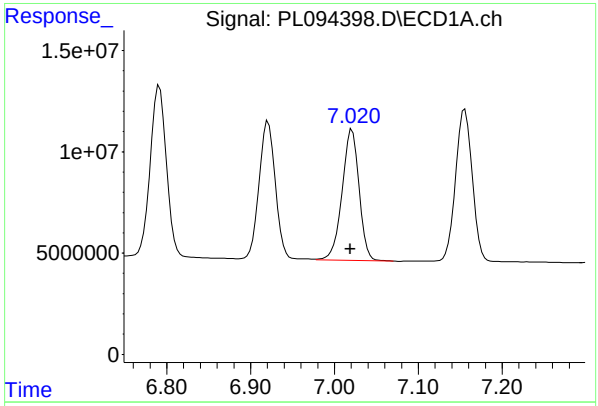
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.002 min
Response: 104432307
Conc: 56.46 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 181203079
Conc: 56.89 ng/ml



#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.002 min
Response: 90954048
Conc: 43.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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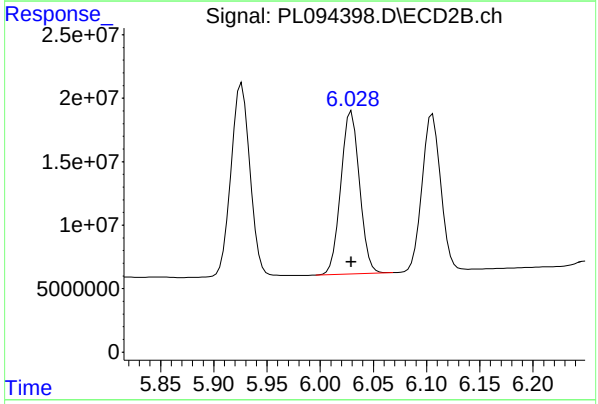
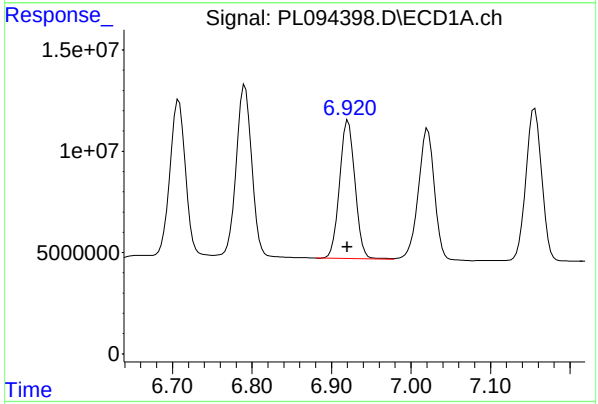


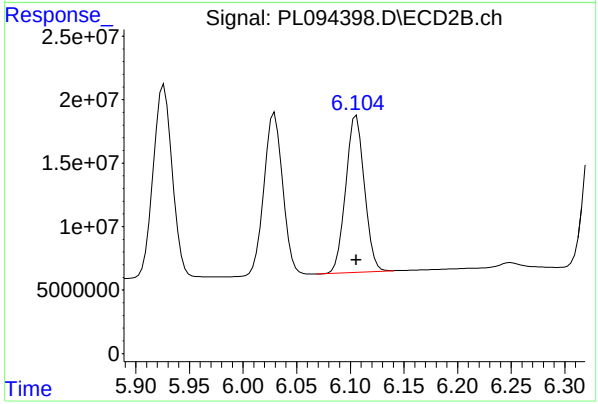
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 156062100
Conc: 43.87 ng/ml



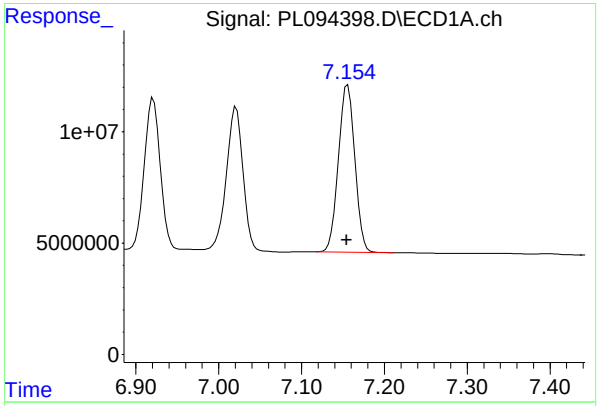
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 91974575
Conc: 47.24 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 149654131
Conc: 47.35 ng/ml



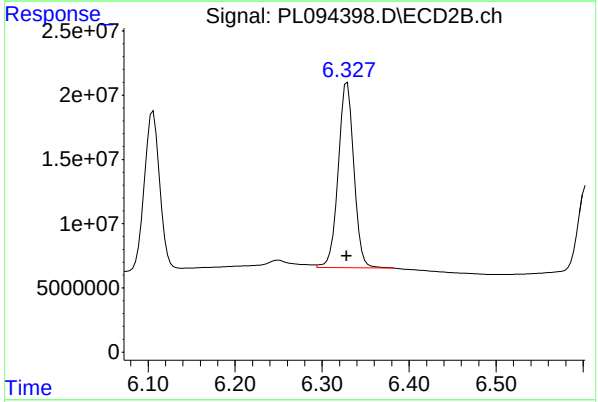
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.001 min
Response: 103742152
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

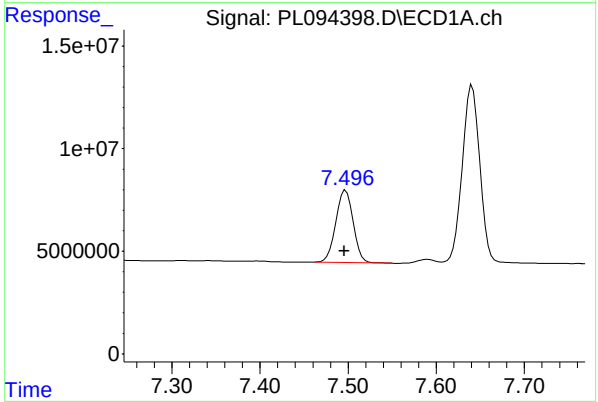
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



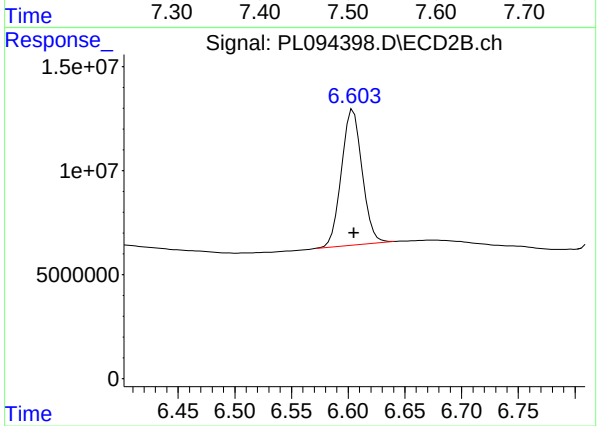
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: 0.000 min
Response: 181346232
Conc: 49.10 ng/ml



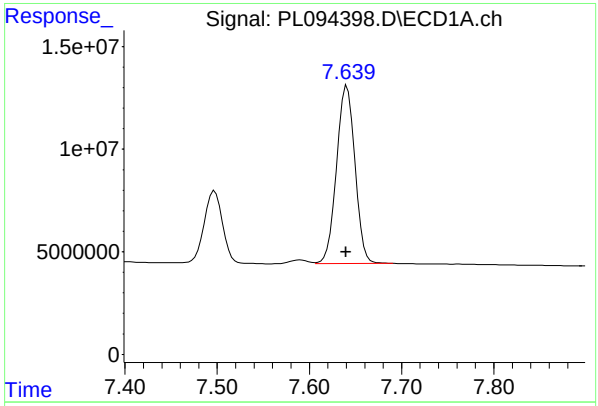
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.002 min
Response: 48173871
Conc: 43.36 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 82545869
Conc: 42.31 ng/ml



#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: 0.001 min
Response: 120174590
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
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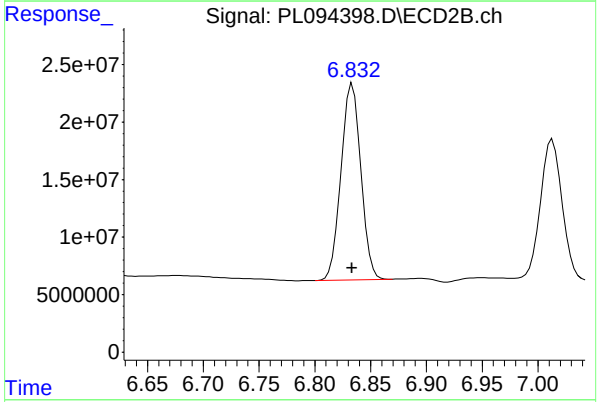
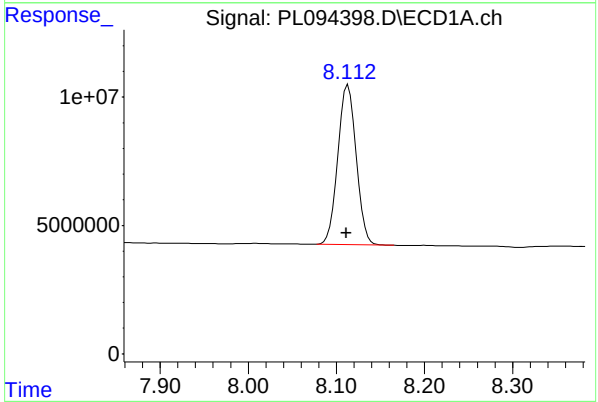


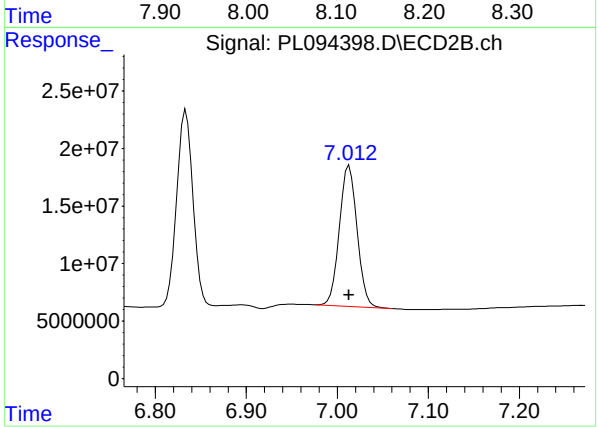
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: 0.000 min
Response: 211218018
Conc: 49.49 ng/ml



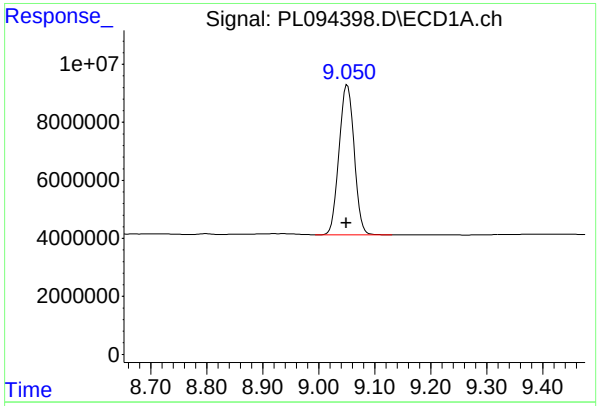
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.002 min
Response: 90238798
Conc: 43.74 ng/ml



#22 Mirex

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 165473630
Conc: 47.45 ng/ml



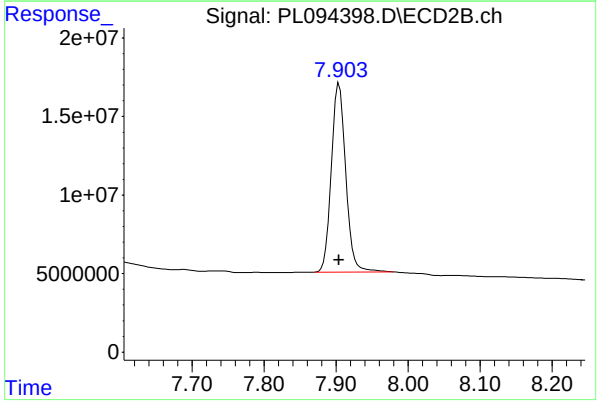
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: 0.002 min
Response: 97014900
Conc: 45.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 165937139
Conc: 43.15 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: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D **Date Analyzed:** 02/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.049	8.950	9.150	19.210	20.000	-4.0
Tetrachloro-m-xylene	3.536	3.490	3.590	18.850	20.000	-5.8
alpha-BHC	3.991	3.940	4.040	10.030	10.000	0.3
beta-BHC	4.523	4.470	4.570	10.250	10.000	2.5
gamma-BHC (Lindane)	4.324	4.270	4.370	9.920	10.000	-0.8
Endrin	6.570	6.500	6.640	41.860	50.000	-16.3
4,4'-DDT	7.020	6.950	7.090	87.790	100.000	-12.2
Methoxychlor	7.497	7.430	7.570	207.340	250.000	-17.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D **Date Analyzed:** 02/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.904	7.800	8.000	18.560	20.000	-7.2
Tetrachloro-m-xylene	2.771	2.720	2.820	18.550	20.000	-7.3
alpha-BHC	3.273	3.220	3.320	8.830	10.000	-11.7
beta-BHC	3.903	3.850	3.950	9.960	10.000	-0.4
gamma-BHC (Lindane)	3.603	3.550	3.650	8.530	10.000	-14.7
Endrin	5.632	5.560	5.700	45.740	50.000	-8.5
4,4'-DDT	6.029	5.960	6.100	98.350	100.000	-1.7
Methoxychlor	6.605	6.530	6.680	222.980	250.000	-10.8

PEM

Data File: PL094324.D **Date Acquired** 2/21/2025 10:29

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.57	106834677.4	113699408.8	6864731.43	**6.04**
Endrin aldehyde	6.92	2450806.957			
Endrin ketone	7.64	4413924.47			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.63	155723846.7	170901765.2	15177918.4	**8.88**
Endrin aldehyde #2	6.11	8289635.433			
Endrin ketone #2	6.83	6888283.002			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	184352701	185927903.4	1575202.36	**0.85**
4,4'-DDE	6.19	502184.032			
4,4'-DDD	6.71	1073018.331			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.03	349846111	352989141.9	3143030.88	**0.89**
4,4'-DDE #2	5.23	596448.117			
4,4'-DDD #2	5.78	2546582.761			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	47867576	59184811	18.852	18.546
28)	SA Decachlor...	9.049	7.904	40873835	71371388	19.214	18.559
	Target Compounds						
2)	A alpha-BHC	3.991	3.273	37928964	43396269	10.027	8.830
3)	MA gamma-BHC...	4.324	3.603	36641276	40152666	9.917	8.525
6)	B beta-BHC	4.523	3.903	16364265	19814220	10.248	9.962
12)	B 4,4'-DDE	6.189	5.225	502184	596448	0.192m	0.142m#
14)	MA Endrin	6.570	5.632	106.8E6	155.7E6	41.858	45.738
16)	A 4,4'-DDD	6.709	5.781	1073018	2546583	0.580m	0.799 #
17)	MA 4,4'-DDT	7.020	6.029	184.4E6	349.8E6	87.786	98.354
18)	B Endrin al...	6.920	6.106	2450807	8289635	1.259	2.623 #
20)	A Methoxychlor	7.497	6.605	230.4E6	435.0E6	207.343	222.985
21)	B Endrin ke...	7.638	6.833	4413924	6888283	1.761m	1.614

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

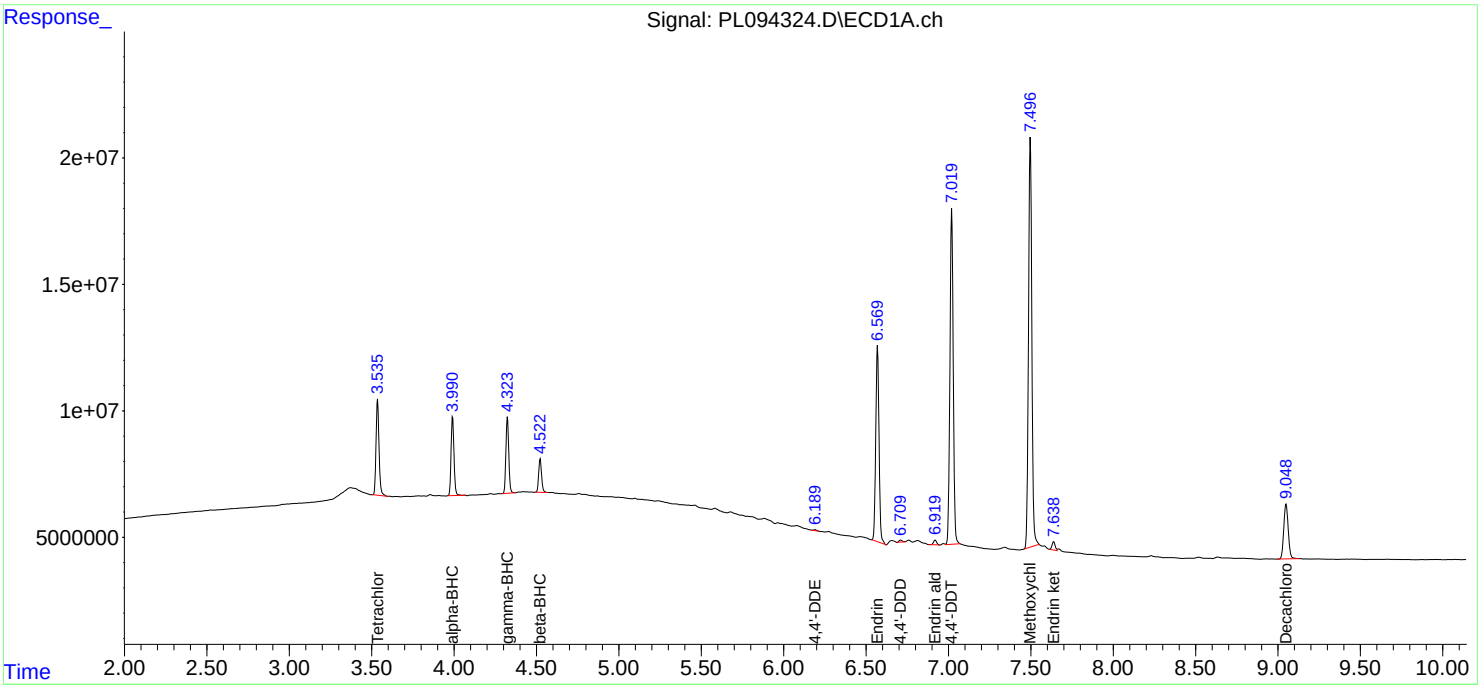
Instrument :
ECD_L
ClientSampleId :
PEM

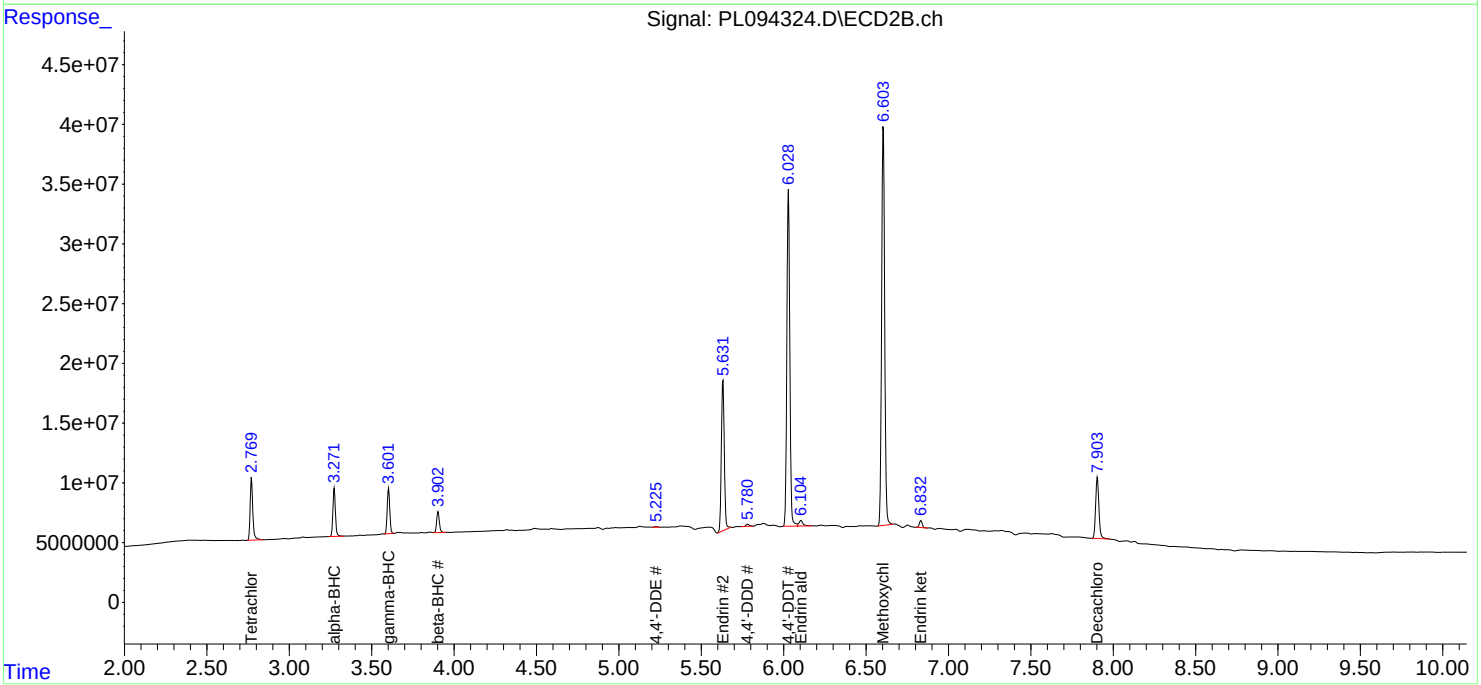
Manual Integrations APPROVED

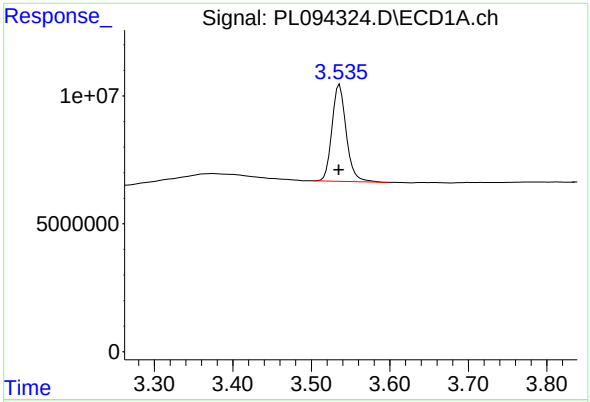
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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







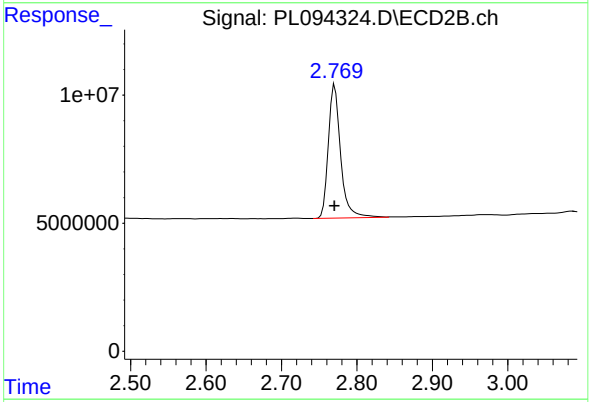
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.001 min
Response: 47867576
Conc: 18.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

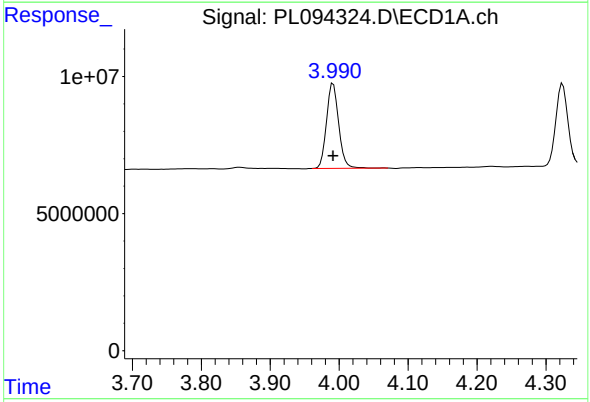
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



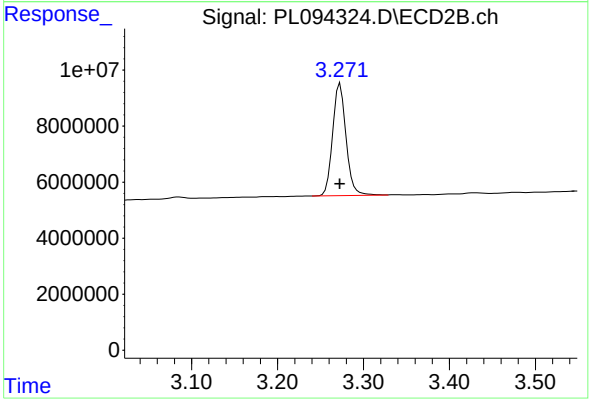
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 59184811
Conc: 18.55 ng/ml



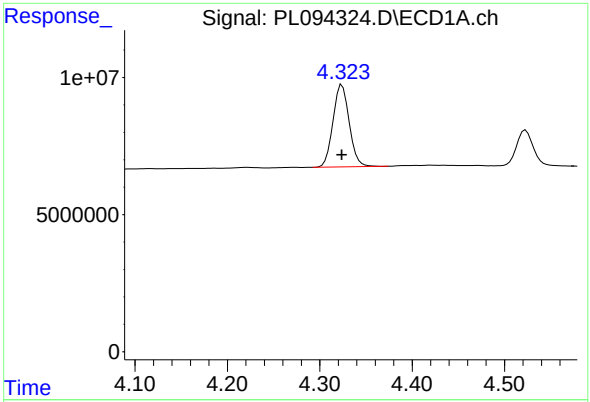
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 37928964
Conc: 10.03 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 43396269
Conc: 8.83 ng/ml



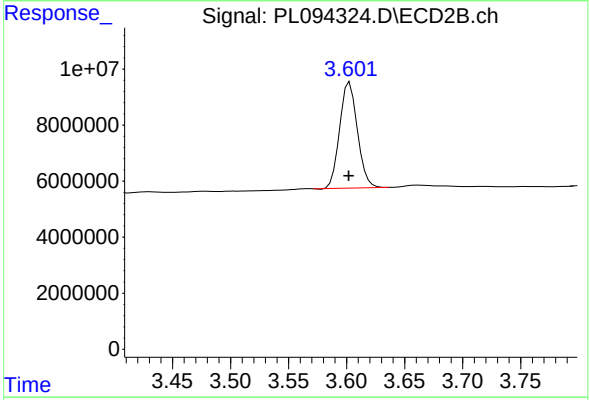
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 36641276
Conc: 9.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

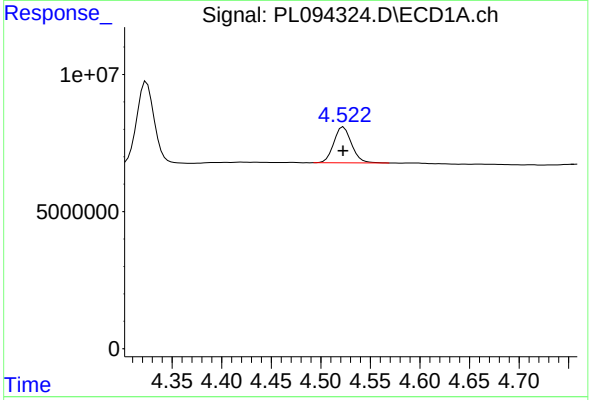
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



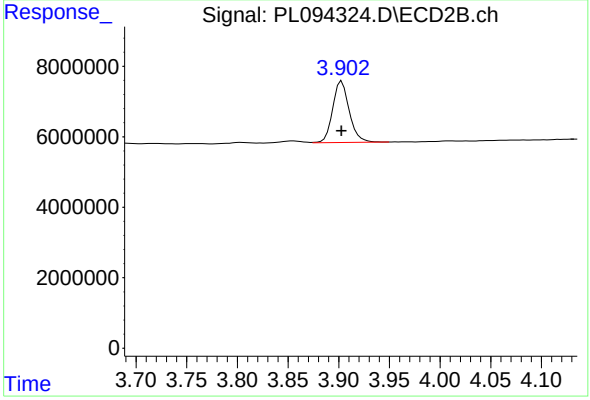
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: 0.000 min
Response: 40152666
Conc: 8.53 ng/ml



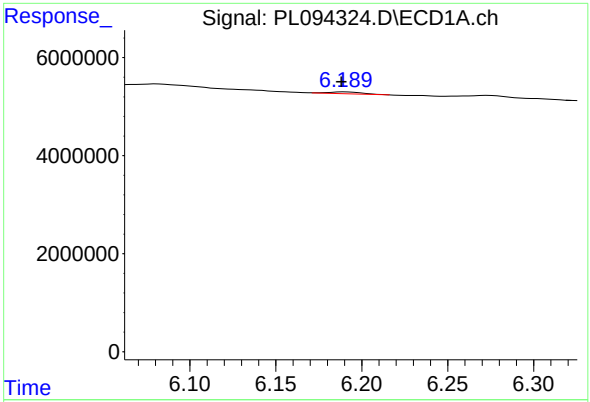
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 16364265
Conc: 10.25 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 19814220
Conc: 9.96 ng/ml



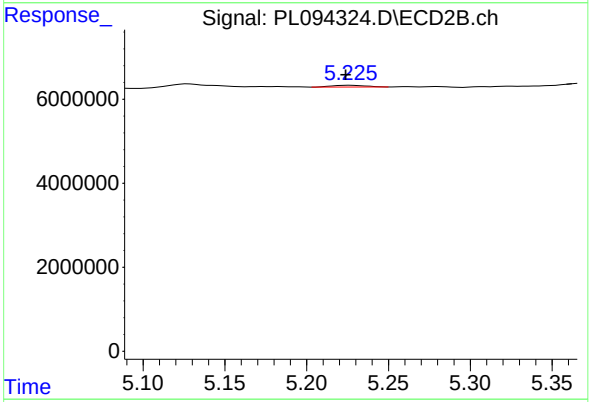
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.001 min
Response: 502184
Conc: 0.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

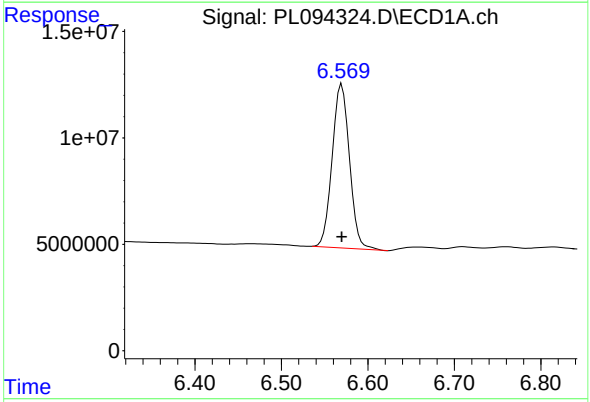
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



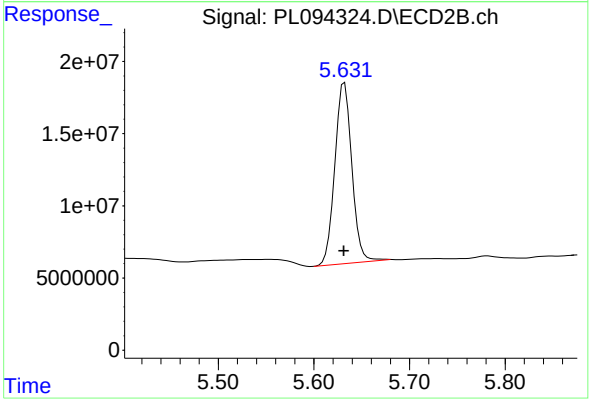
#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.001 min
Response: 596448
Conc: 0.14 ng/ml m



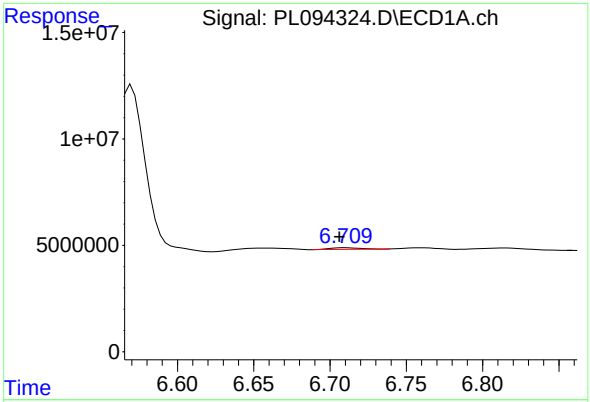
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 106834677
Conc: 41.86 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: 0.000 min
Response: 155723847
Conc: 45.74 ng/ml



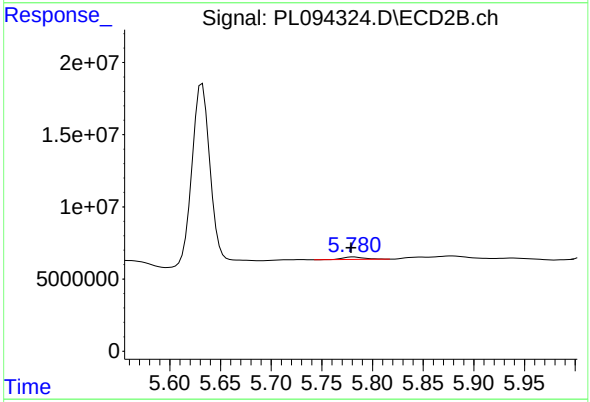
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 1073018
Conc: 0.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

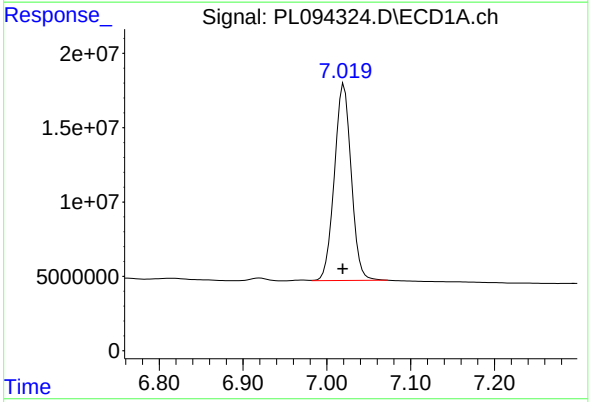
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



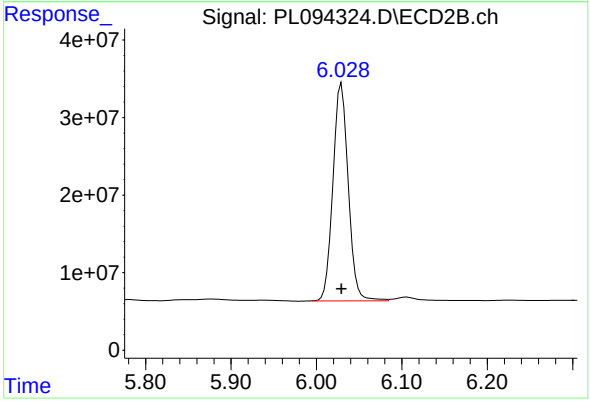
#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.002 min
Response: 2546583
Conc: 0.80 ng/ml



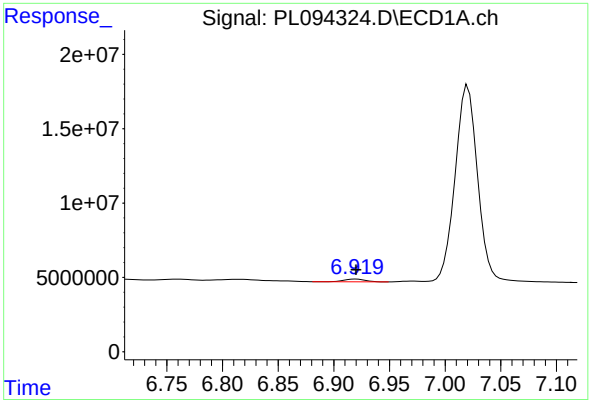
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.001 min
Response: 184352701
Conc: 87.79 ng/ml



#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 349846111
Conc: 98.35 ng/ml



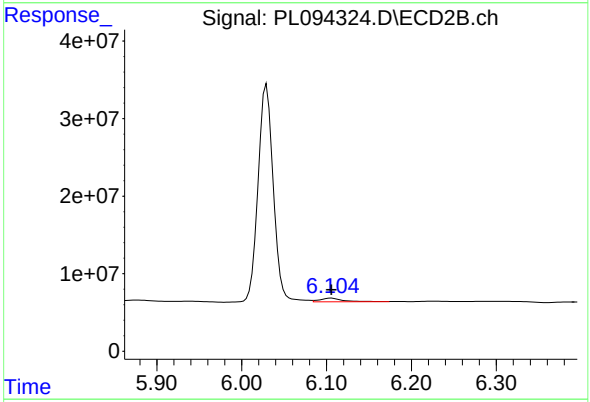
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 2450807
Conc: 1.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

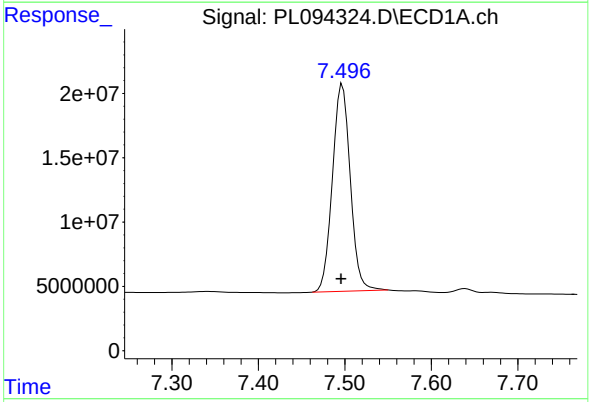
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



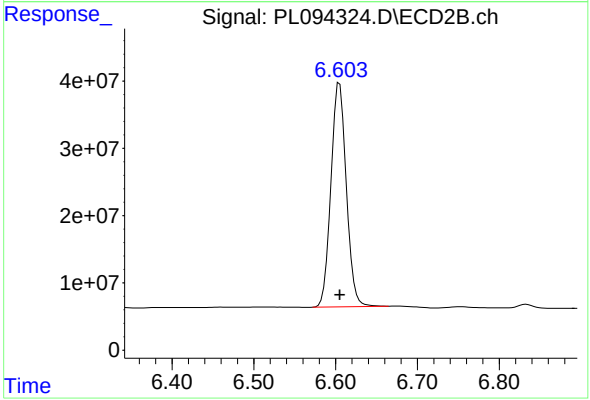
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 8289635
Conc: 2.62 ng/ml



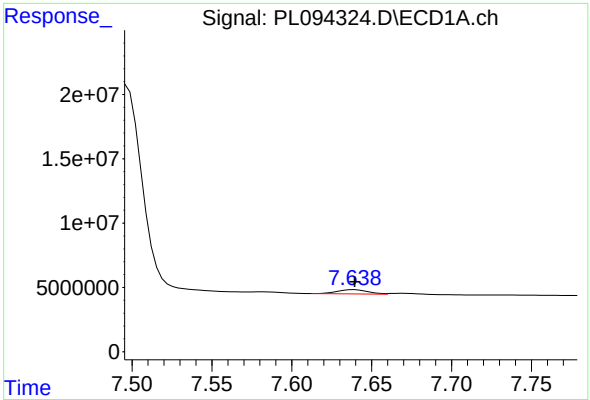
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.002 min
Response: 230366562
Conc: 207.34 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 435049433
Conc: 222.98 ng/ml



#21 Endrin ketone

R.T.: 7.638 min
Delta R.T.: -0.002 min
Response: 4413924
Conc: 1.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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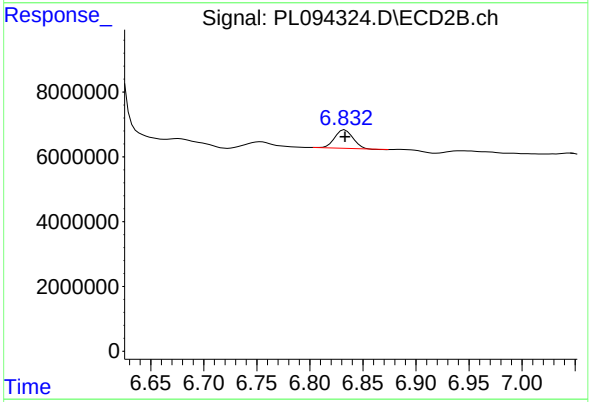
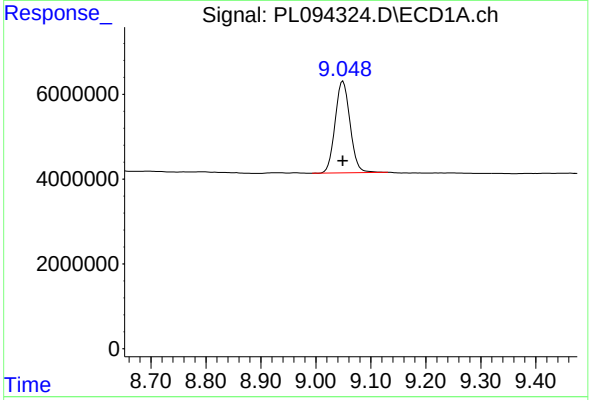
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



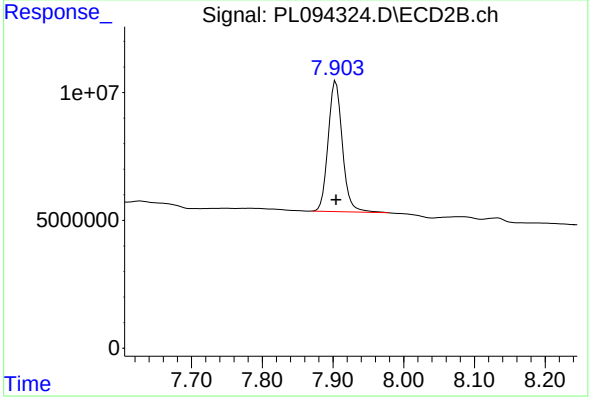
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 6888283
Conc: 1.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: 0.000 min
Response: 40873835
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 71371388
Conc: 18.56 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: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094386.D **Date Analyzed:** 02/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.060	8.960	9.160	21.600	20.000	8.0
Tetrachloro-m-xylene	3.543	3.490	3.590	22.770	20.000	13.9
alpha-BHC	3.999	3.950	4.050	11.280	10.000	12.8
beta-BHC	4.531	4.480	4.580	11.420	10.000	14.2
gamma-BHC (Lindane)	4.332	4.280	4.380	11.010	10.000	10.1
Endrin	6.577	6.510	6.650	42.130	50.000	-15.7
4,4'-DDT	7.029	6.960	7.100	92.190	100.000	-7.8
Methoxychlor	7.505	7.430	7.580	218.070	250.000	-12.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094386.D **Date Analyzed:** 02/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.908	7.810	8.010	20.250	20.000	1.3
Tetrachloro-m-xylene	2.771	2.720	2.820	22.310	20.000	11.6
alpha-BHC	3.273	3.220	3.320	10.230	10.000	2.3
beta-BHC	3.904	3.850	3.950	11.890	10.000	18.9
gamma-BHC (Lindane)	3.603	3.550	3.650	10.010	10.000	0.1
Endrin	5.633	5.560	5.700	54.540	50.000	9.1
4,4'-DDT	6.032	5.960	6.100	105.990	100.000	6.0
Methoxychlor	6.608	6.540	6.680	231.370	250.000	-7.5

PEM

Data File: PL094386.D **Date Acquired** 2/25/2025 10:15

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	107522075.4	124898920	17376844.6	**13.91**
Endrin aldehyde	6.93	4921863.107			
Endrin ketone	7.65	12454981.49			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.63	185680905.5	214649615.6	28968710	**13.50**
Endrin aldehyde #2	6.11	9627017.971			
Endrin ketone #2	6.84	19341692.04			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.03	193591428.6	205562342.8	11970914.2	**5.82**
4,4'-DDE	6.19	645280.645			
4,4'-DDD	6.71	11325633.56			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.03	377002874.9	395017113.6	18014238.6	**4.56**
4,4'-DDE #2	5.23	1012083.645			
4,4'-DDD #2	5.78	17002154.99			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 10:15
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:07:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.543	2.771	57821212	71191394	22.772	22.309
28)	SA Decachlor...	9.060	7.908	45947843	77887681	21.599	20.253
	Target Compounds						
2)	A alpha-BHC	3.999	3.273	42658880	50277860	11.277	10.230
3)	MA gamma-BHC...	4.332	3.603	40675550	47157189	11.009	10.012
6)	B beta-BHC	4.531	3.904	18241781	23639972	11.423	11.886
12)	B 4,4'-DDE	6.192	5.225	645281	1012084	0.247m	0.241m
14)	MA Endrin	6.577	5.633	107.5E6	185.7E6	42.128m	54.536 #
16)	A 4,4'-DDD	6.714	5.782	11325634	17002155	6.123	5.338
17)	MA 4,4'-DDT	7.029	6.032	193.6E6	377.0E6	92.185	105.989
18)	B Endrin al...	6.929	6.108	4921863	9627018	2.528	3.046
20)	A Methoxychlor	7.505	6.608	242.3E6	451.4E6	218.067	231.370
21)	B Endrin ke...	7.648	6.836	12454981	19341692	4.968	4.532

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

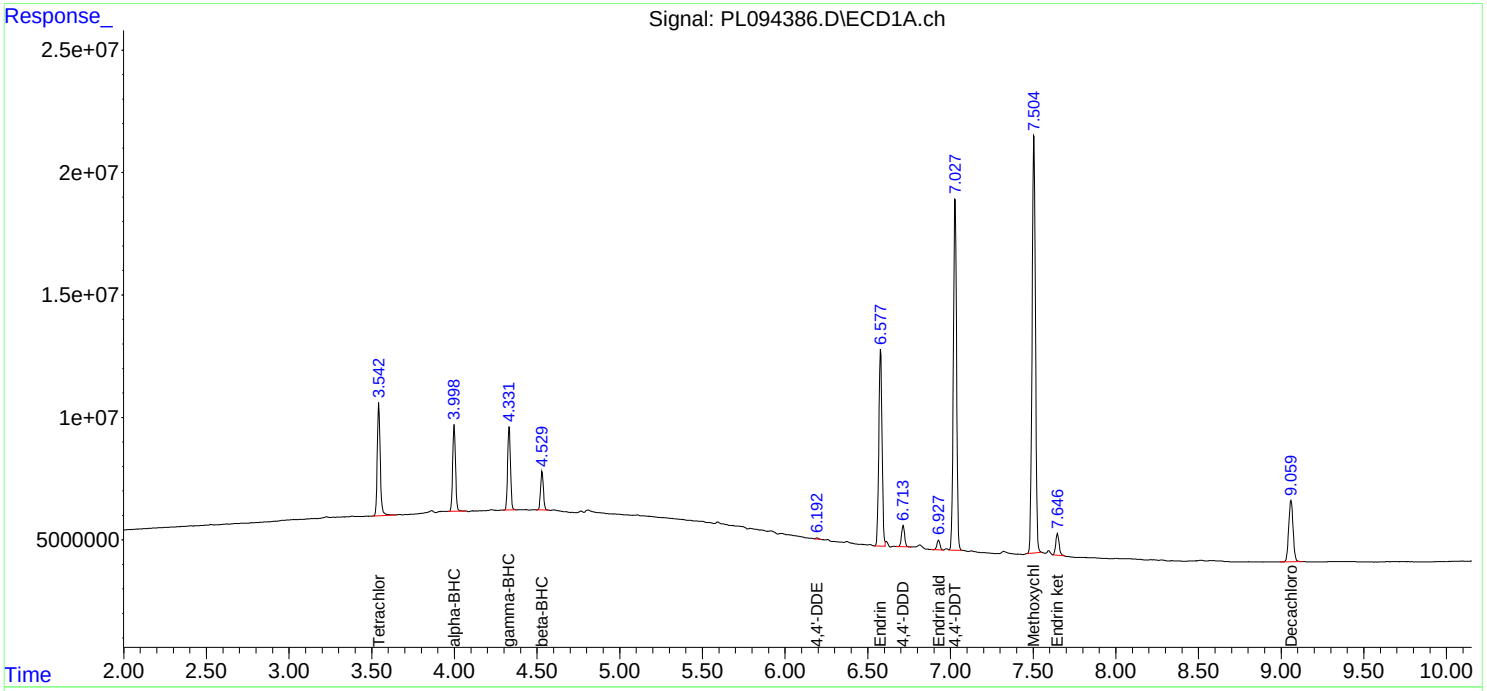
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 10:15
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

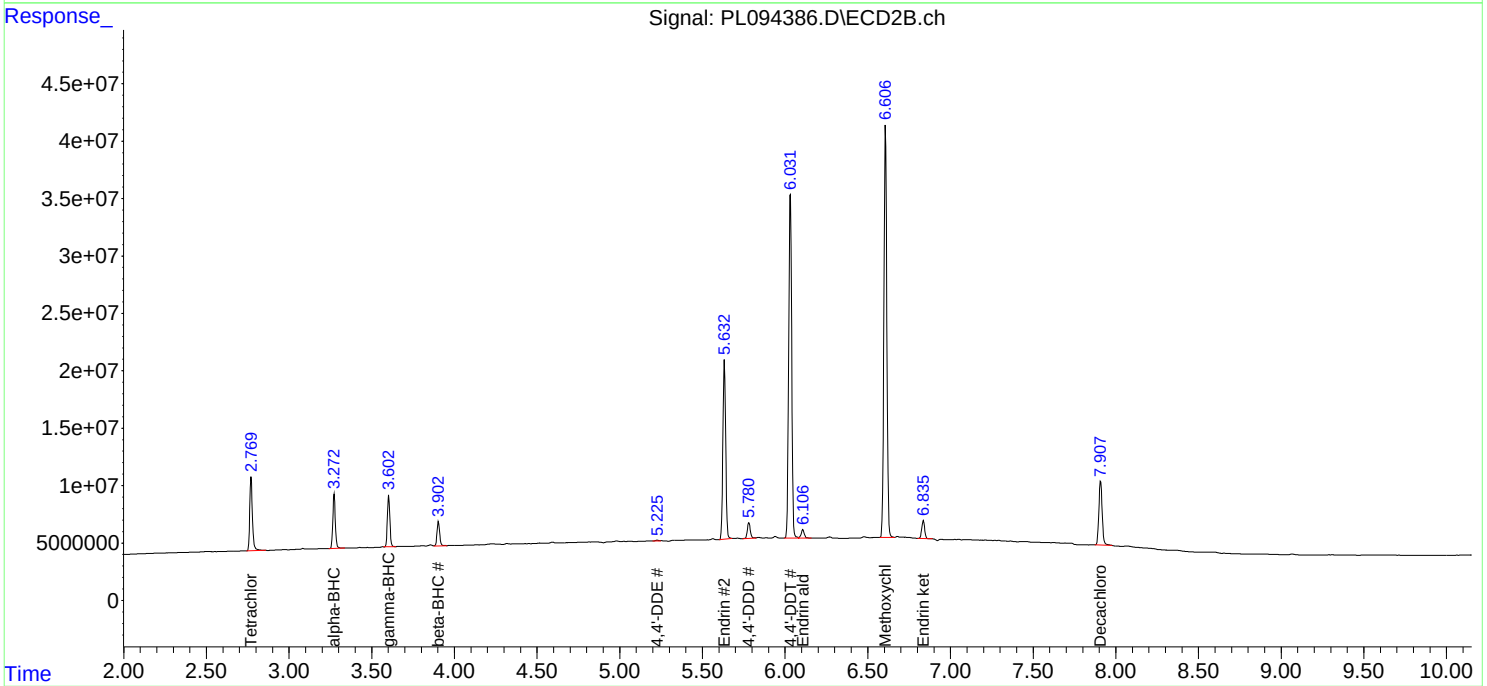
Instrument :
ECD_L
ClientSampleId :
PEM

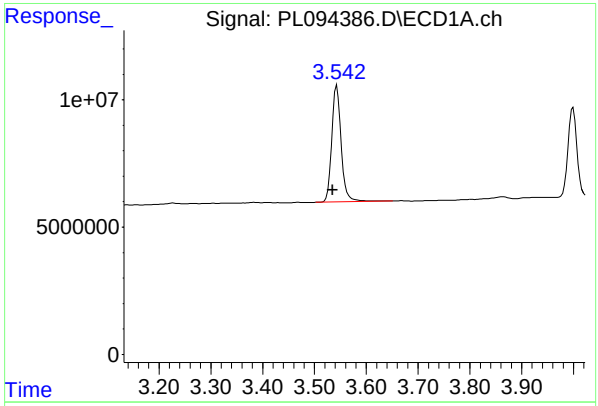
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:07:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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







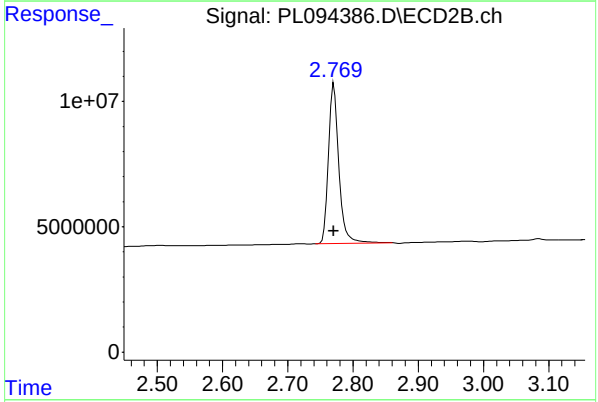
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.008 min
Response: 57821212
Conc: 22.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

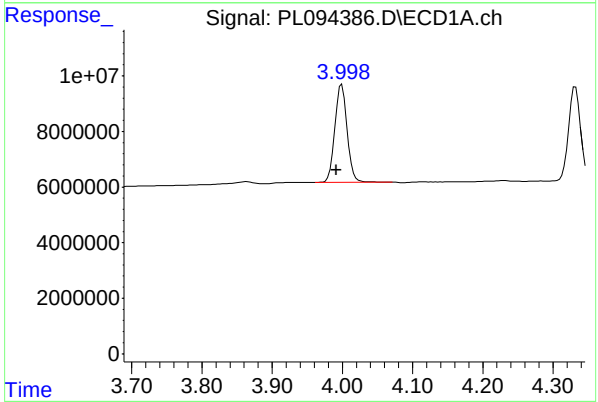
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



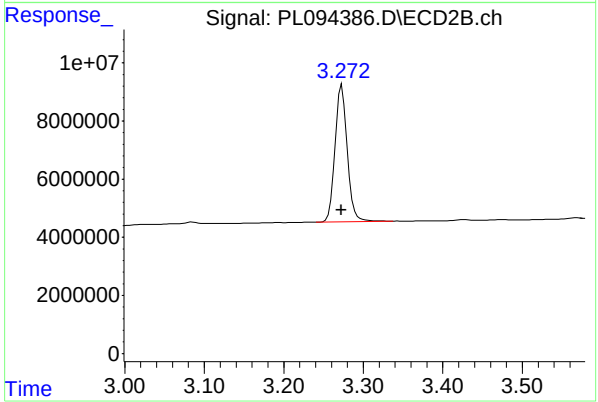
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 71191394
Conc: 22.31 ng/ml



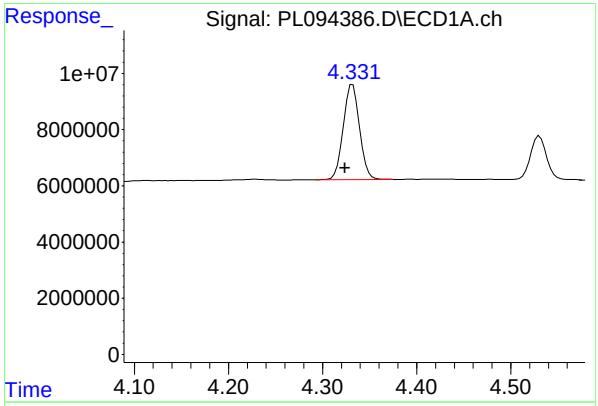
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.008 min
Response: 42658880
Conc: 11.28 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 50277860
Conc: 10.23 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.008 min
Response: 40675550
Conc: 11.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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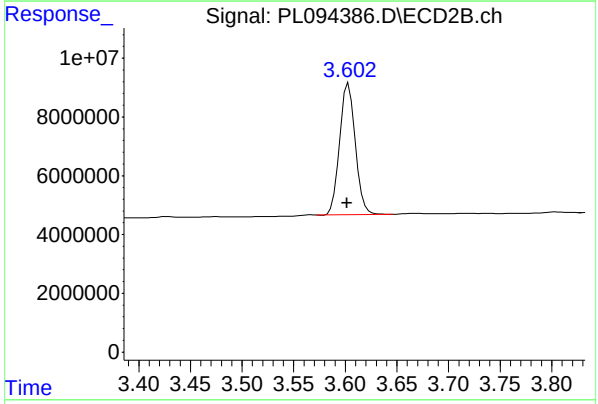
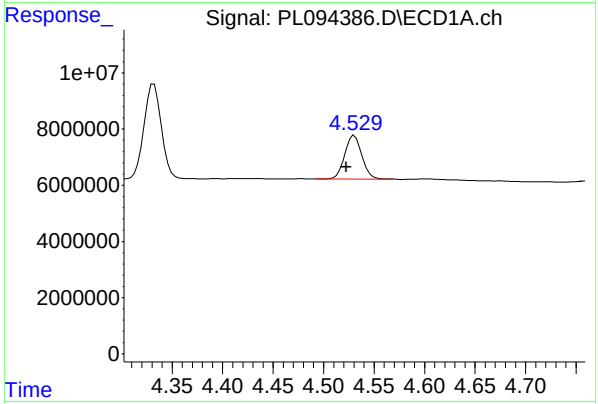


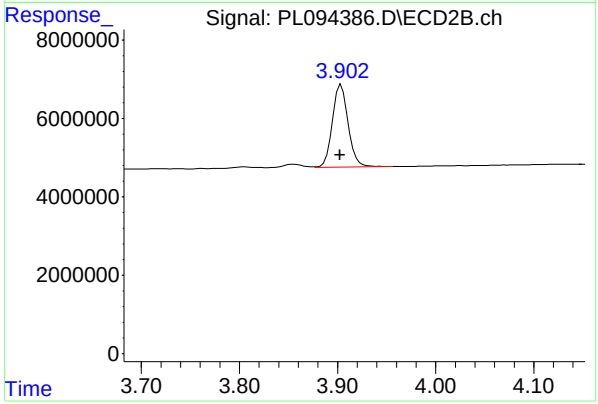
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: 0.001 min
Response: 47157189
Conc: 10.01 ng/ml



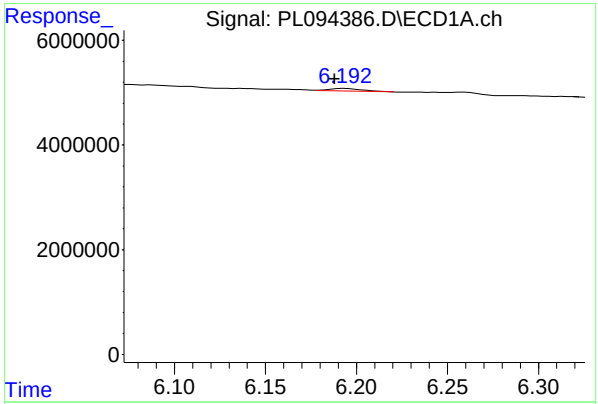
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.008 min
Response: 18241781
Conc: 11.42 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.001 min
Response: 23639972
Conc: 11.89 ng/ml



#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.004 mi
Response: 645281
Conc: 0.25 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

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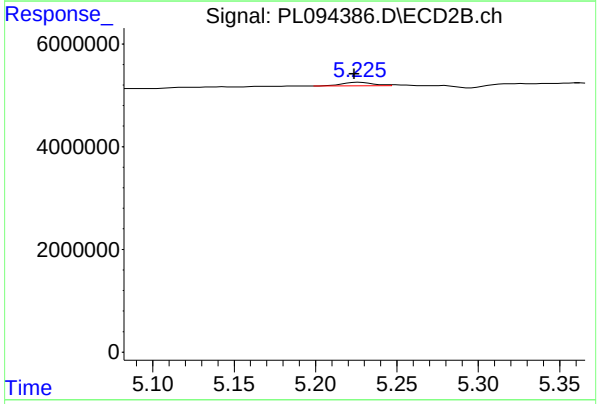
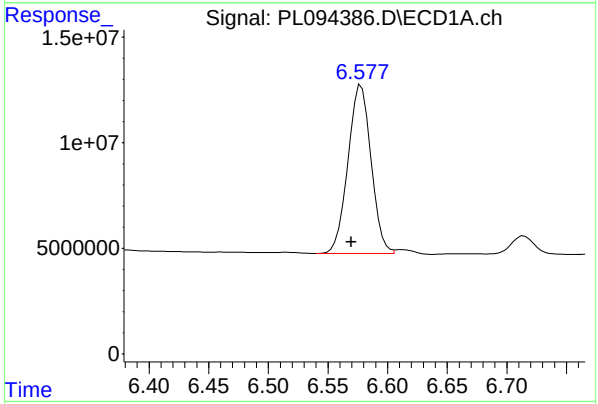


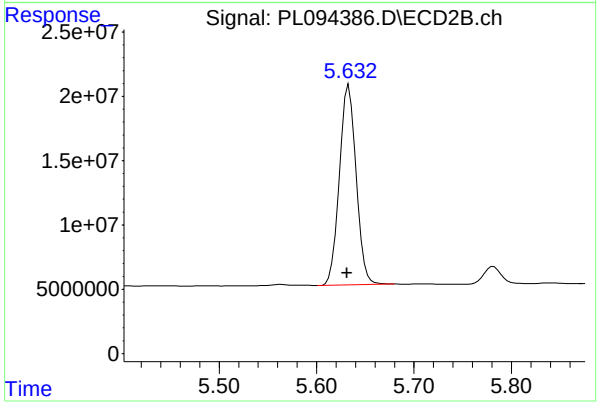
#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.002 min
Response: 1012084
Conc: 0.24 ng/ml m



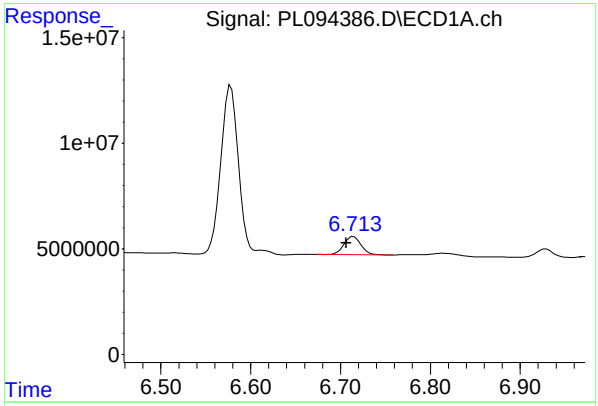
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.007 min
Response: 107522075
Conc: 42.13 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.002 min
Response: 185680906
Conc: 54.54 ng/ml



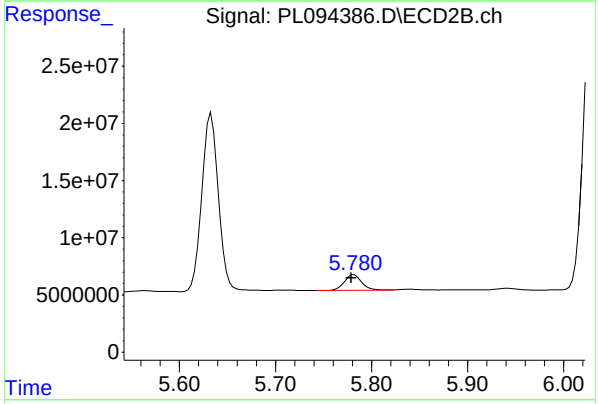
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.008 min
Response: 11325634
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

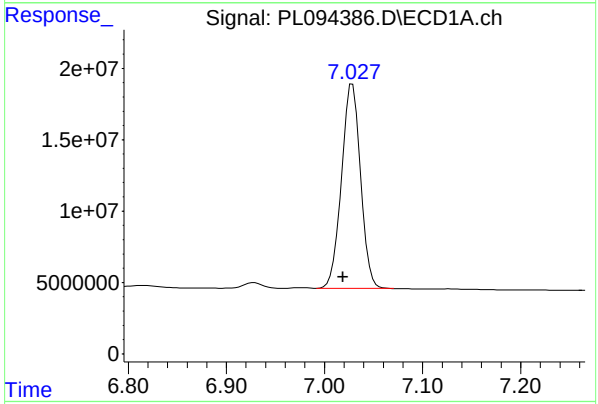
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



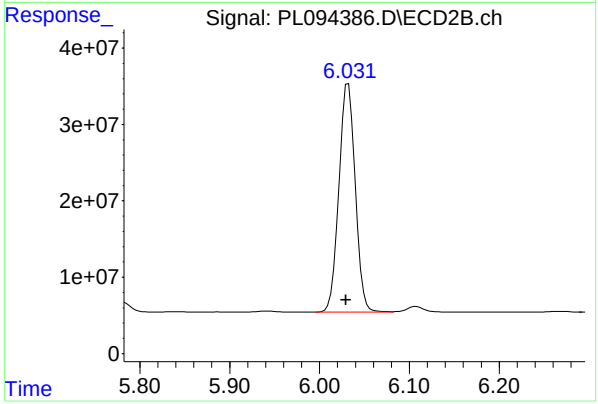
#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: 0.003 min
Response: 17002155
Conc: 5.34 ng/ml



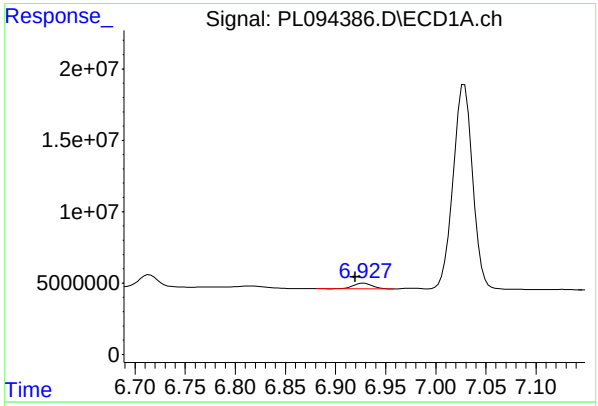
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.010 min
Response: 193591429
Conc: 92.19 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 377002875
Conc: 105.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.009 min
Response: 4921863
Conc: 2.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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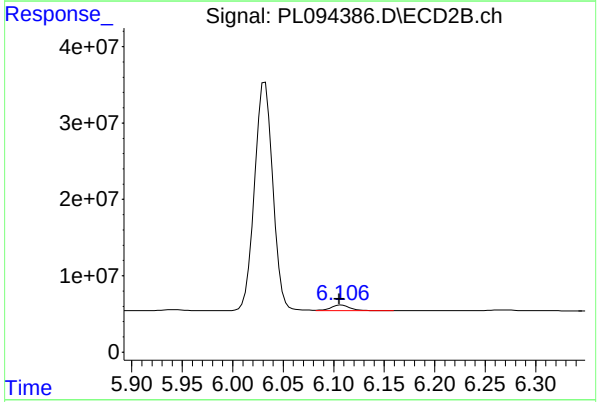
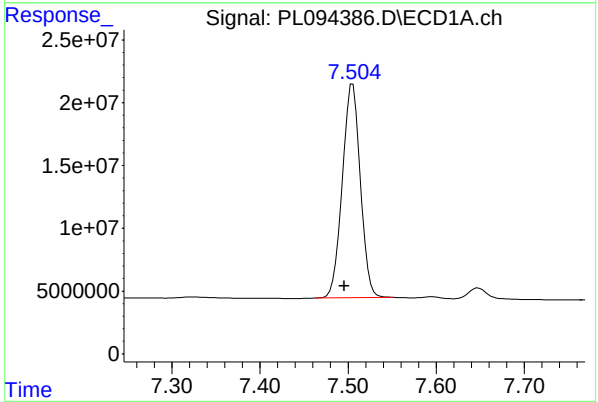
Supervised By :Ankita Jodhani 02/26/2025



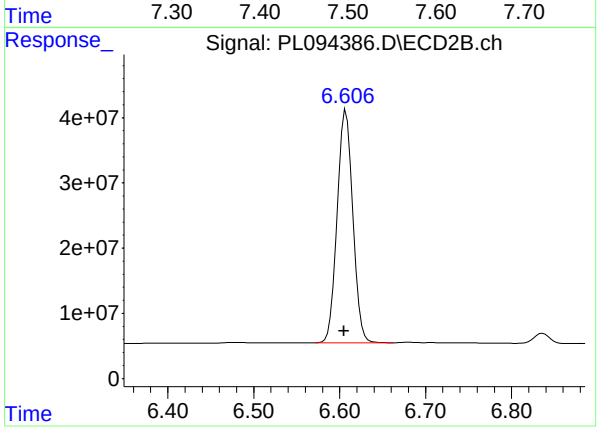
#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.002 min
Response: 9627018
Conc: 3.05 ng/ml



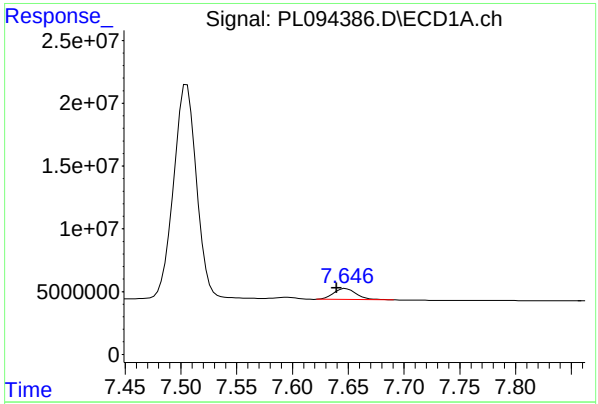
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.010 min
Response: 242281211
Conc: 218.07 ng/ml



#20 Methoxychlor

R.T.: 6.608 min
Delta R.T.: 0.003 min
Response: 451409465
Conc: 231.37 ng/ml



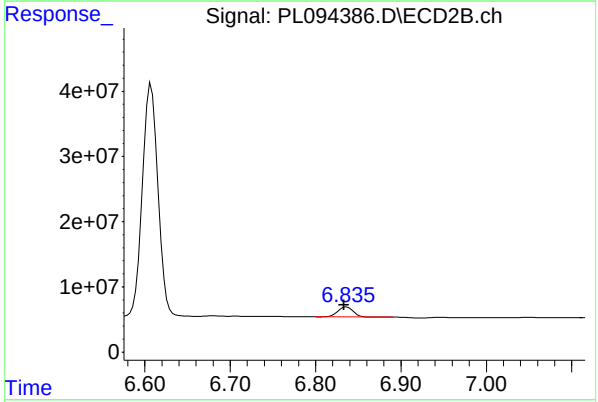
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.008 min
Response: 12454981
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

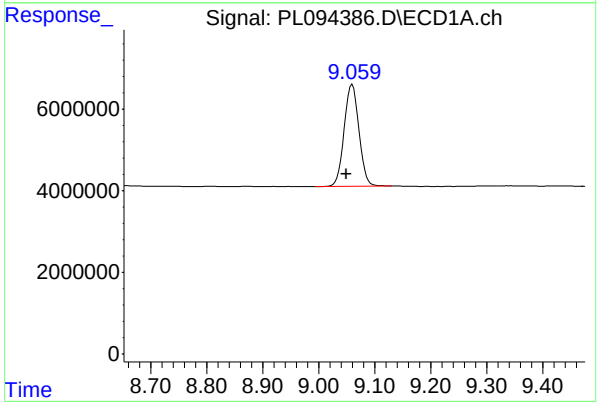
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



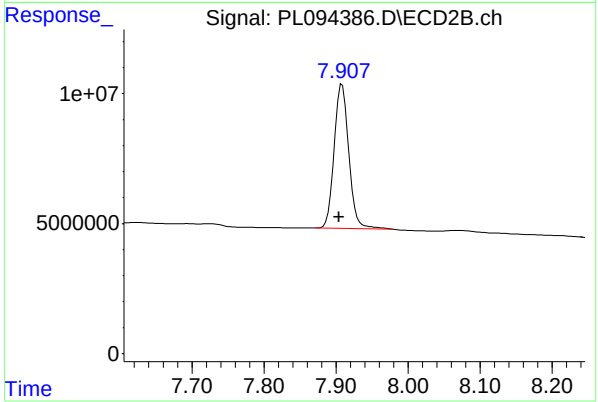
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.003 min
Response: 19341692
Conc: 4.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.011 min
Response: 45947843
Conc: 21.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: 0.004 min
Response: 77887681
Conc: 20.25 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094325.D
Acq On : 21 Feb 2025 10:42
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\PL022125.M
Title : GC Extractables
Last Update : Fri Feb 21 14:52:19 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.535	5.935	100.00%
5.935	6.064	98.71%
6.064	6.189	100.00%
6.189	6.340	100.00%
6.340	7.155	100.00%
7.155	7.497	100.00%
7.497	7.640	100.00%

Signal #2

2.770	4.972	100.00%
4.972	5.092	100.00%
5.092	5.225	100.00%
5.225	5.356	100.00%
5.356	6.328	100.00%
6.328	6.605	100.00%
6.605	6.833	100.00%
6.833	7.904	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:42
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.770	47115255	57272450	18.556	17.947
28)	SA Decachlor...	9.046	7.904	40218613	69468395	18.906m	18.064
	Target Compounds						
9)	A Endosulfan I	6.064	5.092	25454012	33042658	9.261	8.288
10)	B gamma-Chl...	5.934	4.972	28279655	38906610	9.632m	8.967
12)	B 4,4'-DDE	6.189	5.225	51081730	76600407	19.559	18.238
13)	MA Dieldrin	6.340	5.356	53696577	77397023	18.847	17.663
19)	B Endosulfa...	7.155	6.328	43514337	66637347	19.221	18.041
20)	A Methoxychlor	7.497	6.605	94826803	172.4E6	85.349	88.362
21)	B Endrin ke...	7.640	6.833	47136580	75716012	18.803	17.742

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:42
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

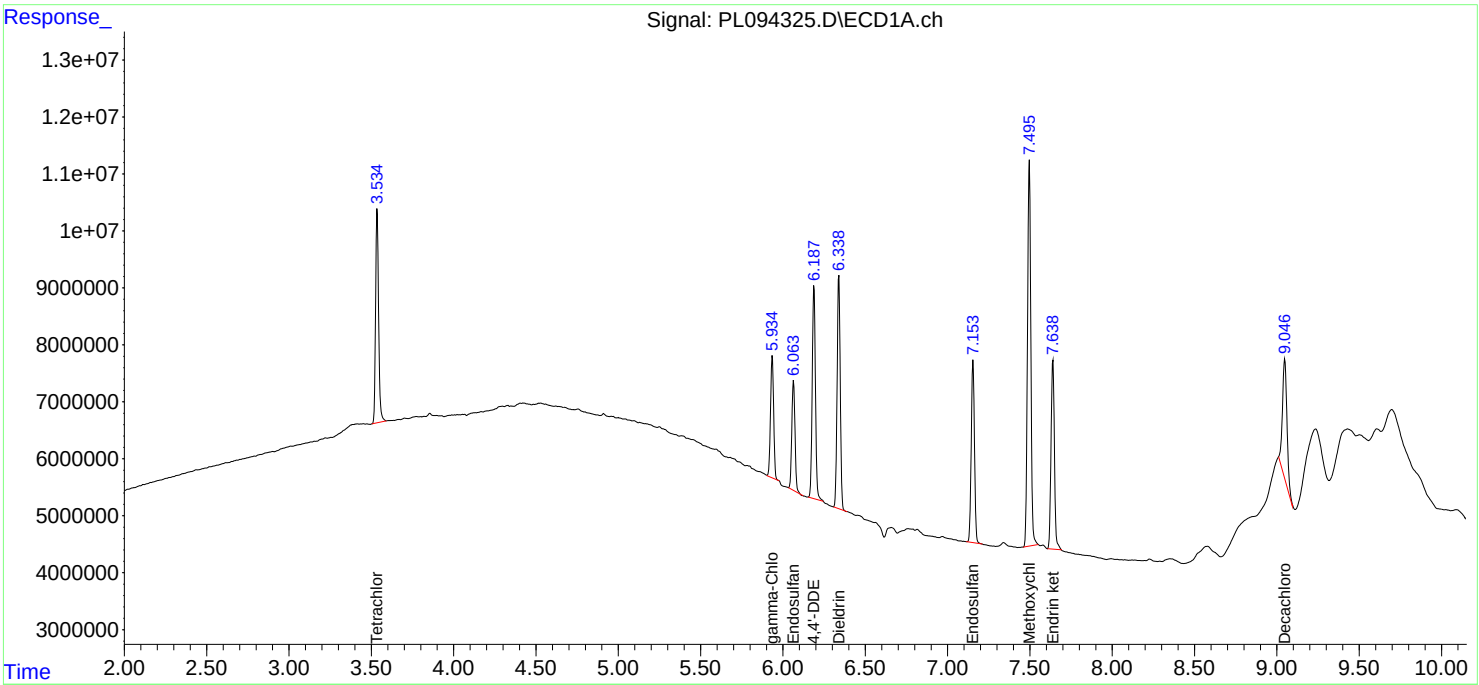
Instrument :
ECD_L
ClientSampleId :
RESCHK

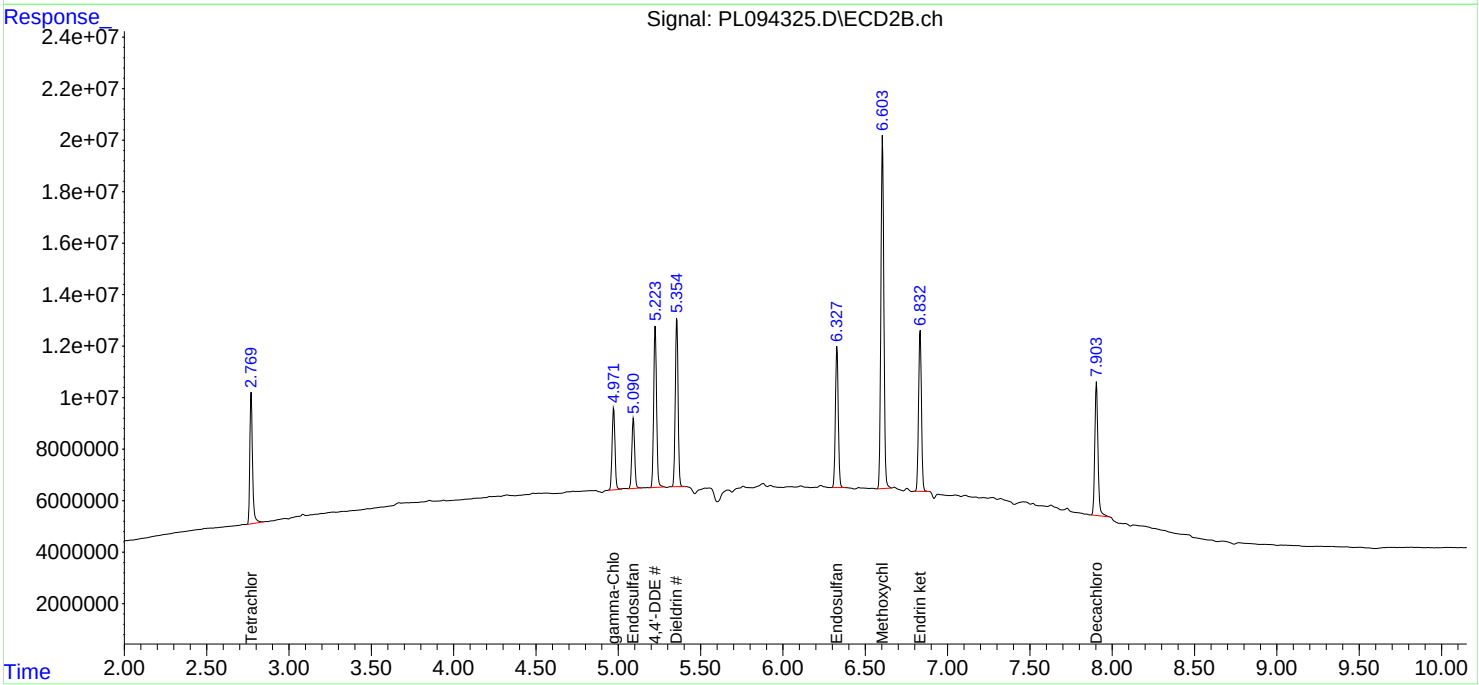
Manual Integrations APPROVED

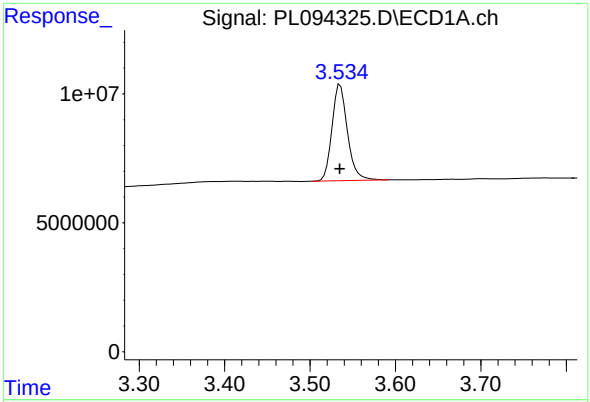
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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







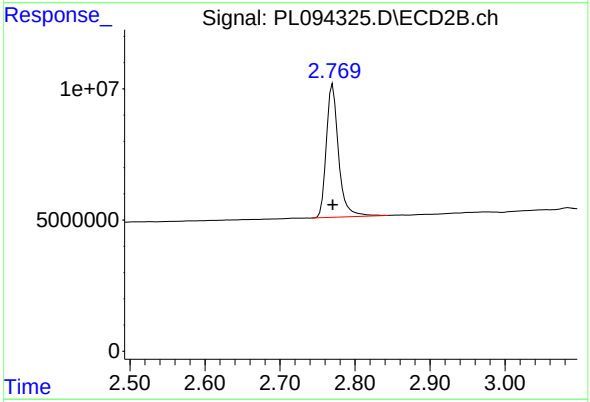
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 47115255
Conc: 18.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

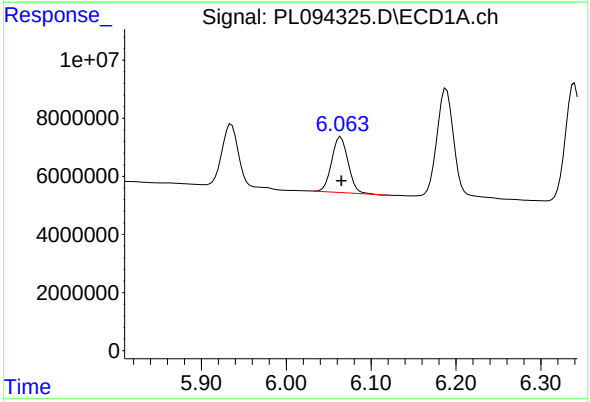
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



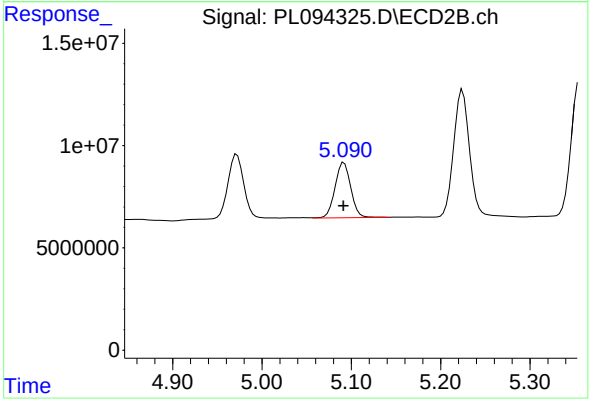
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: 0.000 min
Response: 57272450
Conc: 17.95 ng/ml



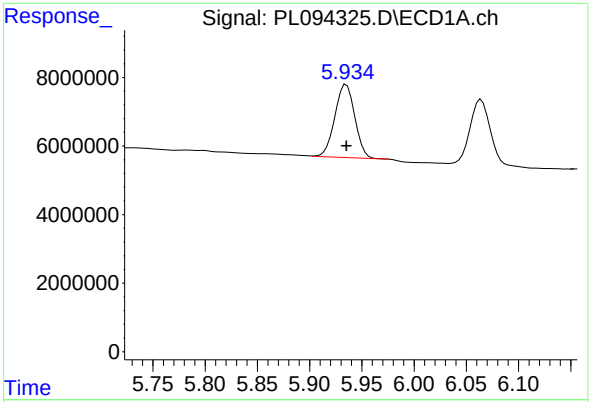
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: 0.000 min
Response: 25454012
Conc: 9.26 ng/ml



#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 33042658
Conc: 8.29 ng/ml



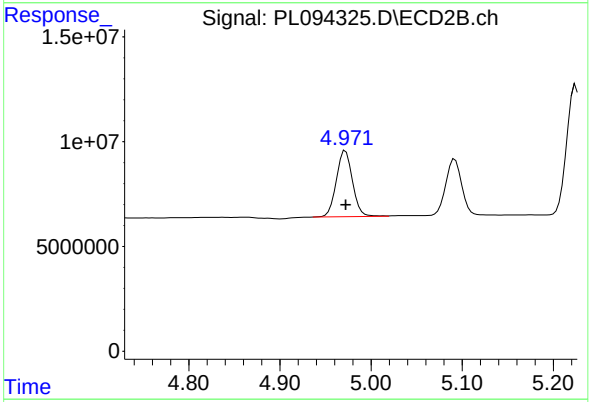
#10 gamma-Chlordane

R.T.: 5.934 min
Delta R.T.: -0.002 min
Response: 28279655
Conc: 9.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

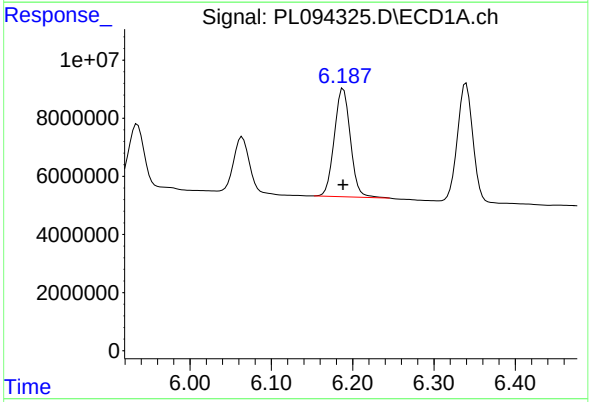
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



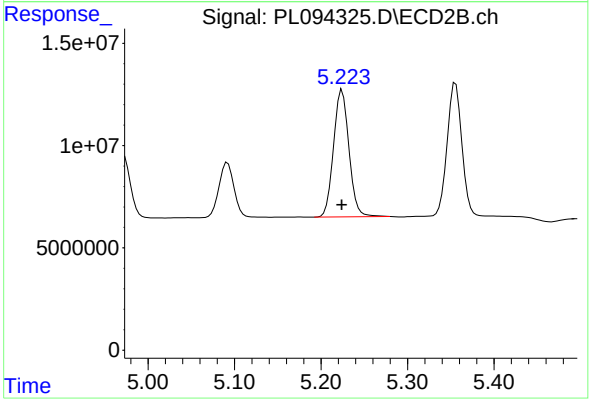
#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 38906610
Conc: 8.97 ng/ml



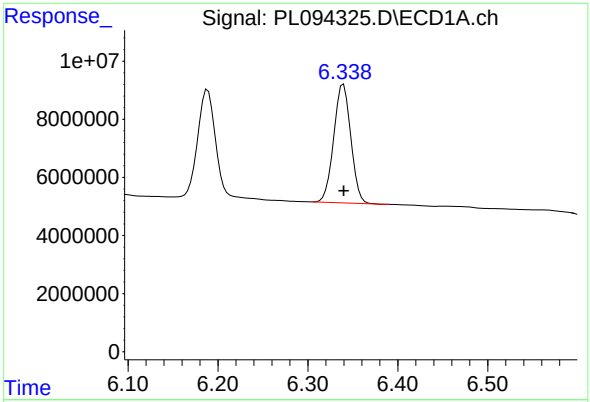
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 51081730
Conc: 19.56 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 76600407
Conc: 18.24 ng/ml



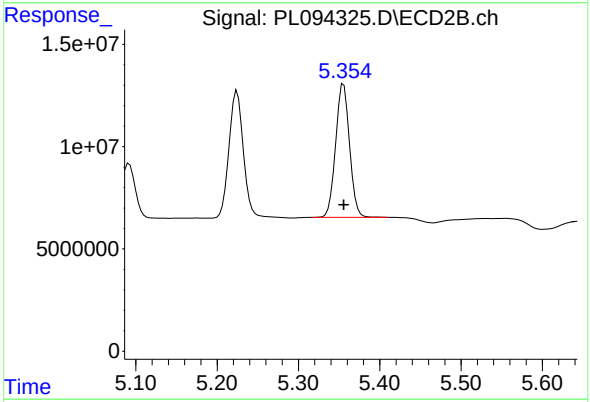
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 53696577
Conc: 18.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

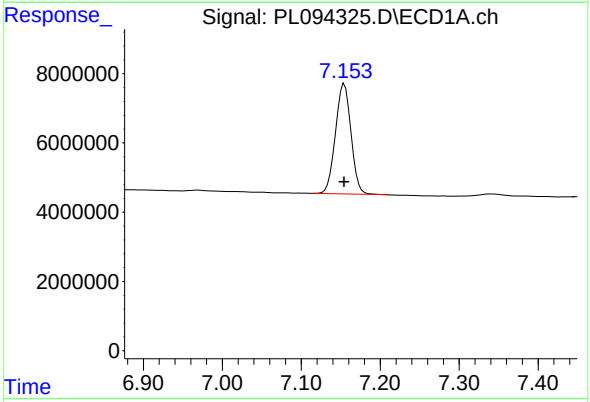
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



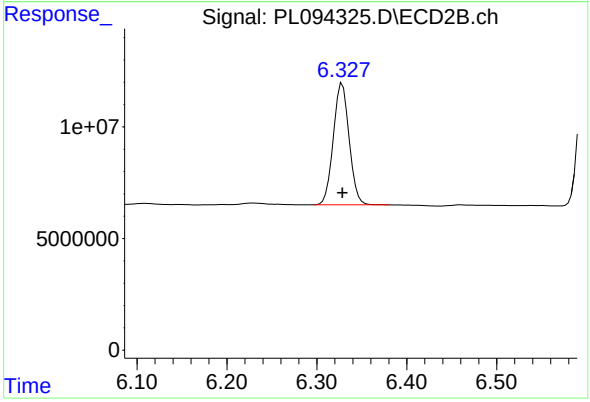
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 77397023
Conc: 17.66 ng/ml



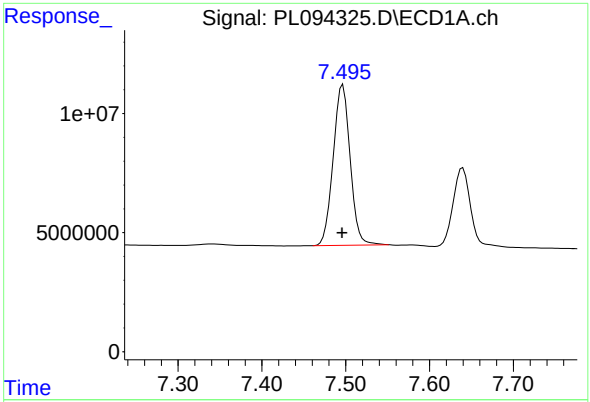
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: 0.000 min
Response: 43514337
Conc: 19.22 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 66637347
Conc: 18.04 ng/ml



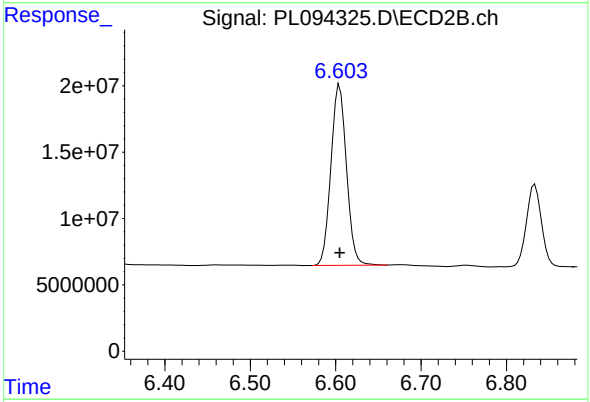
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.001 min
Response: 94826803
Conc: 85.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

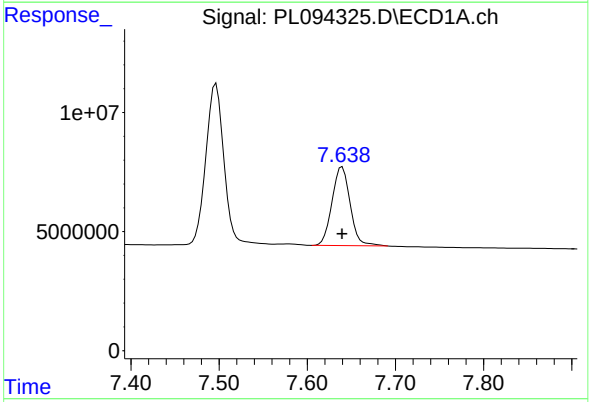
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



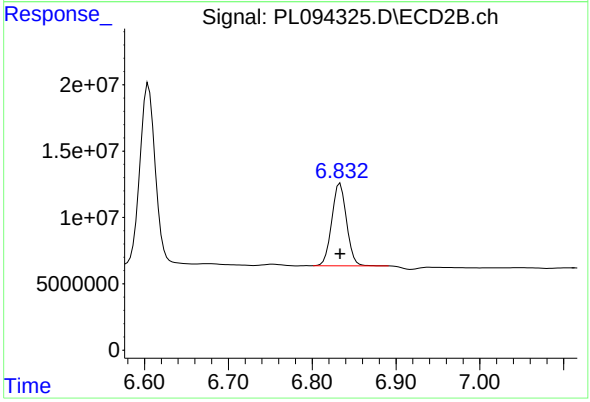
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 172396739
Conc: 88.36 ng/ml



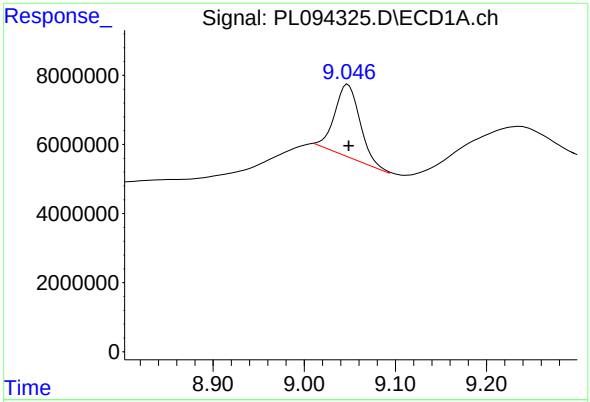
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 47136580
Conc: 18.80 ng/ml



#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 75716012
Conc: 17.74 ng/ml



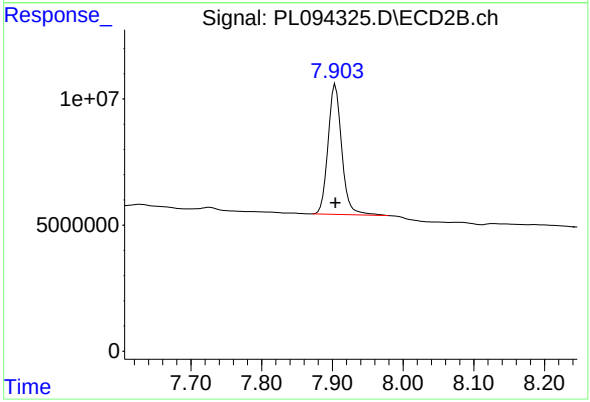
#28 Decachlorobiphenyl

R.T.: 9.046 min
Delta R.T.: -0.002 min
Response: 40218613
Conc: 18.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.000 min
Response: 69468395
Conc: 18.06 ng/ml

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

Analytical Sequence

Client: Weston Solutions, Inc. **SDG No.:** Q1421

Project: RFP 905 **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

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	02/21/2025	10:15	PL094323.D	9.05	3.54
PEM	PEM	02/21/2025	10:29	PL094324.D	9.05	3.54
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	9.05	3.54
PSTDICC100	PSTDICC100	02/21/2025	10:56	PL094326.D	9.05	3.54
PSTDICC075	PSTDICC075	02/21/2025	11:10	PL094327.D	9.05	3.54
PSTDICC050	PSTDICC050	02/21/2025	11:23	PL094328.D	9.05	3.54
PSTDICC025	PSTDICC025	02/21/2025	11:37	PL094329.D	9.05	3.54
PSTDICC005	PSTDICC005	02/21/2025	11:51	PL094330.D	9.05	3.54
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	9.05	3.54
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	9.05	3.54
I.BLK	I.BLK	02/25/2025	09:46	PL094385.D	9.06	3.54
PEM	PEM	02/25/2025	10:15	PL094386.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/25/2025	10:28	PL094387.D	9.06	3.54
PB166855BL	PB166855BL	02/25/2025	13:29	PL094388.D	9.07	3.54
PB166855BS	PB166855BS	02/25/2025	13:43	PL094389.D	9.06	3.54
P001-CLAY-CF01-01	Q1421-01	02/25/2025	14:31	PL094392.D	9.05	3.54
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	14:44	PL094393.D	9.05	3.54
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	14:58	PL094394.D	9.05	3.54
P001-CLAY-CF01-02	Q1421-07	02/25/2025	15:11	PL094395.D	9.05	3.54
P001-CLAY-CF02-01	Q1421-09	02/25/2025	15:25	PL094396.D	9.05	3.54
I.BLK	I.BLK	02/25/2025	15:39	PL094397.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/25/2025	15:52	PL094398.D	9.05	3.54

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

Analytical Sequence

Client: Weston Solutions, Inc. **SDG No.:** Q1421

Project: RFP 905 **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

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	02/21/2025	10:15	PL094323.D	7.91	2.77
PEM	PEM	02/21/2025	10:29	PL094324.D	7.90	2.77
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	7.90	2.77
PSTDICC100	PSTDICC100	02/21/2025	10:56	PL094326.D	7.90	2.77
PSTDICC075	PSTDICC075	02/21/2025	11:10	PL094327.D	7.90	2.77
PSTDICC050	PSTDICC050	02/21/2025	11:23	PL094328.D	7.90	2.77
PSTDICC025	PSTDICC025	02/21/2025	11:37	PL094329.D	7.91	2.77
PSTDICC005	PSTDICC005	02/21/2025	11:51	PL094330.D	7.90	2.77
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	7.90	2.77
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	7.90	2.77
I.BLK	I.BLK	02/25/2025	09:46	PL094385.D	7.91	2.77
PEM	PEM	02/25/2025	10:15	PL094386.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/25/2025	10:28	PL094387.D	7.91	2.77
PB166855BL	PB166855BL	02/25/2025	13:29	PL094388.D	7.91	2.77
PB166855BS	PB166855BS	02/25/2025	13:43	PL094389.D	7.91	2.77
P001-CLAY-CF01-01	Q1421-01	02/25/2025	14:31	PL094392.D	7.91	2.77
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	14:44	PL094393.D	7.91	2.77
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	14:58	PL094394.D	7.91	2.77
P001-CLAY-CF01-02	Q1421-07	02/25/2025	15:11	PL094395.D	7.91	2.77
P001-CLAY-CF02-01	Q1421-09	02/25/2025	15:25	PL094396.D	7.91	2.77
I.BLK	I.BLK	02/25/2025	15:39	PL094397.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/25/2025	15:52	PL094398.D	7.90	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CLAY-CF01-01MS

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: Q1421-02MS **Date(s) Analyzed:** 02/25/2025 02/25/2025

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	21.6	12.6
	2	5.93	5.88	5.98	24.5	
Endrin aldehyde	1	6.92	6.87	6.97	22.0	0
	2	6.11	6.06	6.16	22.0	
Endosulfan sulfate	1	7.16	7.11	7.21	22.8	1.7
	2	6.33	6.28	6.38	23.2	
Methoxychlor	1	7.50	7.45	7.55	22.6	7.8
	2	6.61	6.56	6.66	20.9	
Endrin ketone	1	7.64	7.59	7.69	22.6	0.9
	2	6.84	6.79	6.89	22.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	22.9	1.7
	2	3.60	3.55	3.65	23.3	
Heptachlor	1	4.91	4.86	4.96	23.7	5.3
	2	3.94	3.89	3.99	25.0	
delta-BHC	1	4.77	4.72	4.82	23.9	3
	2	4.13	4.08	4.18	23.2	
Heptachlor epoxide	1	5.68	5.63	5.73	22.5	4.8
	2	4.72	4.67	4.77	23.6	
Endosulfan I	1	6.07	6.02	6.12	22.7	5.6
	2	5.09	5.04	5.14	24.0	
gamma-Chlordane	1	5.94	5.89	5.99	22.9	5.1
	2	4.97	4.92	5.02	24.1	
Dieldrin	1	6.34	6.29	6.39	22.9	3
	2	5.36	5.31	5.41	23.6	
Endrin	1	6.57	6.52	6.62	20.9	23.3
	2	5.63	5.58	5.68	26.4	
4,4'-DDD	1	6.71	6.66	6.76	26.5	0.8
	2	5.78	5.73	5.83	26.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CLAY-CF01-01MS

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: Q1421-02MS **Date(s) Analyzed:** 02/25/2025 02/25/2025

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'-DDT	1	7.02	6.97	7.07	22.8	1.7
	2	6.03	5.98	6.08	23.2	
alpha-BHC	1	3.99	3.94	4.04	23.8	0.4
	2	3.27	3.22	3.32	23.9	
Aldrin	1	5.26	5.21	5.31	22.2	3.5
	2	4.22	4.17	4.27	23.0	
beta-BHC	1	4.53	4.48	4.58	23.8	2.9
	2	3.90	3.85	3.95	24.5	
alpha-Chlordane	1	6.02	5.97	6.07	23.2	3
	2	5.04	4.99	5.09	23.9	
4,4'-DDE	1	6.19	6.14	6.24	24.0	0.4
	2	5.23	5.18	5.28	24.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CLAY-CF01-01MSD

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: Q1421-03MSD **Date(s) Analyzed:** 02/25/2025 02/25/2025

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	22.1	10.7
	2	5.93	5.88	5.98	24.6	
4,4'-DDD	1	6.71	6.66	6.76	27.2	2.6
	2	5.78	5.73	5.83	26.5	
4,4'-DDT	1	7.02	6.97	7.07	23.0	4.3
	2	6.03	5.98	6.08	24.0	
Endrin aldehyde	1	6.92	6.87	6.97	22.5	3.1
	2	6.11	6.06	6.16	23.2	
Endosulfan sulfate	1	7.16	7.11	7.21	23.0	2.6
	2	6.33	6.28	6.38	23.6	
alpha-BHC	1	3.99	3.94	4.04	23.6	1.7
	2	3.27	3.22	3.32	24.0	
Aldrin	1	5.26	5.21	5.31	22.3	4.8
	2	4.22	4.17	4.27	23.4	
beta-BHC	1	4.52	4.47	4.57	23.9	6.5
	2	3.90	3.85	3.95	25.5	
delta-BHC	1	4.77	4.72	4.82	23.6	0
	2	4.13	4.08	4.18	23.6	
Endosulfan I	1	6.07	6.02	6.12	22.8	6.4
	2	5.09	5.04	5.14	24.3	
alpha-Chlordane	1	6.02	5.97	6.07	23.4	3.8
	2	5.04	4.99	5.09	24.3	
4,4'-DDE	1	6.19	6.14	6.24	24.2	2
	2	5.23	5.18	5.28	24.7	
Dieldrin	1	6.34	6.29	6.39	23.3	3.4
	2	5.36	5.31	5.41	24.1	
Endrin	1	6.57	6.52	6.62	21.2	24.8
	2	5.63	5.58	5.68	27.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CLAY-CF01-01MSD

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: Q1421-03MSD **Date(s) Analyzed:** 02/25/2025 02/25/2025

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
Methoxychlor	1	7.50	7.45	7.55	22.6	5.9
	2	6.61	6.56	6.66	21.3	
Endrin ketone	1	7.64	7.59	7.69	23.1	3
	2	6.84	6.79	6.89	23.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	22.8	3.4
	2	3.60	3.55	3.65	23.6	
Heptachlor	1	4.91	4.86	4.96	23.5	2.1
	2	3.94	3.89	3.99	24.0	
Heptachlor epoxide	1	5.68	5.63	5.73	23.0	3.4
	2	4.72	4.67	4.77	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.2	5.5
	2	4.97	4.92	5.02	24.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166855BS

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: PB166855BS **Date(s) Analyzed:** 02/25/2025 02/25/2025

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	6.71	6.66	6.76	18.9	2.1
	2	5.78	5.73	5.83	19.3	
4,4'-DDE	1	6.20	6.15	6.25	17.1	2.3
	2	5.23	5.18	5.28	17.5	
4,4'-DDT	1	7.03	6.98	7.08	16.4	3
	2	6.03	5.98	6.08	16.9	
alpha-BHC	1	4.00	3.95	4.05	15.8	3.7
	2	3.27	3.22	3.32	16.4	
Aldrin	1	5.26	5.21	5.31	15.6	3.8
	2	4.22	4.17	4.27	16.2	
alpha-Chlordane	1	6.02	5.97	6.07	16.4	3.6
	2	5.04	4.99	5.09	17.0	
Endosulfan II	1	6.80	6.75	6.85	15.9	12.9
	2	5.93	5.88	5.98	18.1	
Endosulfan sulfate	1	7.16	7.11	7.21	16.0	8.4
	2	6.33	6.28	6.38	17.4	
beta-BHC	1	4.53	4.48	4.58	16.3	4.2
	2	3.91	3.86	3.96	17.0	
delta-BHC	1	4.78	4.73	4.83	15.8	1.3
	2	4.13	4.08	4.18	16.0	
Endosulfan I	1	6.07	6.02	6.12	16.2	6
	2	5.10	5.05	5.15	17.2	
Dieldrin	1	6.35	6.30	6.40	16.2	6
	2	5.36	5.31	5.41	17.2	
Endrin aldehyde	1	6.93	6.88	6.98	16.2	4.2
	2	6.11	6.06	6.16	16.9	
Methoxychlor	1	7.50	7.45	7.55	15.3	3.2
	2	6.61	6.56	6.66	15.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166855BS

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421

Lab Sample ID: PB166855BS **Date(s) Analyzed:** 02/25/2025 02/25/2025

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 ketone	1	7.65	7.60	7.70	16.5	9.8
	2	6.84	6.79	6.89	18.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.5	5
	2	3.60	3.55	3.65	16.3	
Heptachlor	1	4.92	4.87	4.97	16.3	1.8
	2	3.94	3.89	3.99	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	16.2	3.6
	2	4.73	4.68	4.78	16.8	
gamma-Chlordane	1	5.94	5.89	5.99	16.3	6
	2	4.98	4.93	5.03	17.3	
Endrin	1	6.58	6.53	6.63	13.8	26.4
	2	5.63	5.58	5.68	18.0	

QC SAMPLE DATA

Raw Data: **PL094388.D**

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166855BL	SDG No.:	Q1421
Lab Sample ID:	PB166855BL	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
PL094388.D	1	02/25/25 09:03	02/25/25 13:29	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		20 - 144	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		19 - 148	107%	SPK: 20

Raw Data: **PL094388.D**

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166855BL	SDG No.:	Q1421
Lab Sample ID:	PB166855BL	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
PL094388.D	1	02/25/25 09:03	02/25/25 13:29	PB166855

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: **PL094388.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:29
Operator : AR\AJ
Sample : PB166855BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166855BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:08:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.544	2.772	54477482	68179801	21.455	21.365
28)	SA Decachlor...	9.065	7.910	49547651	80783327	23.292	21.006
	Target Compounds						

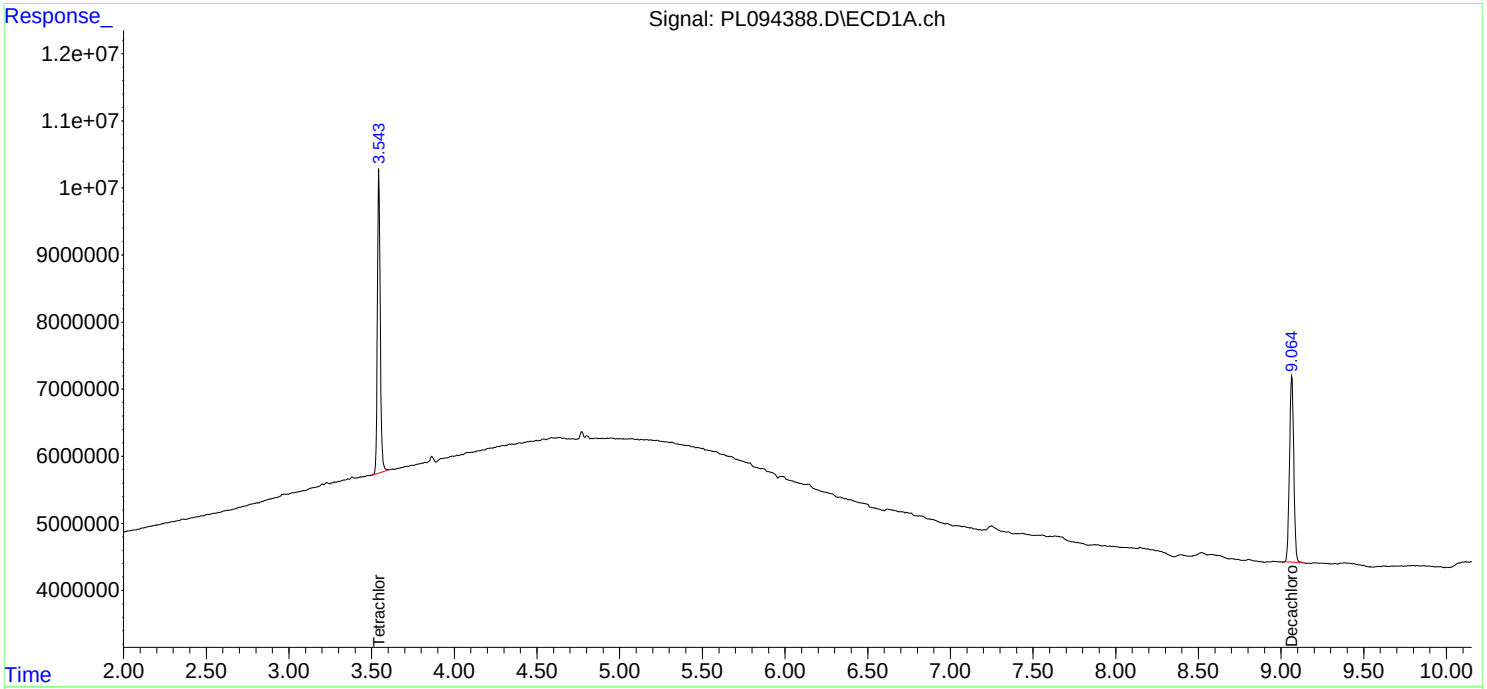
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

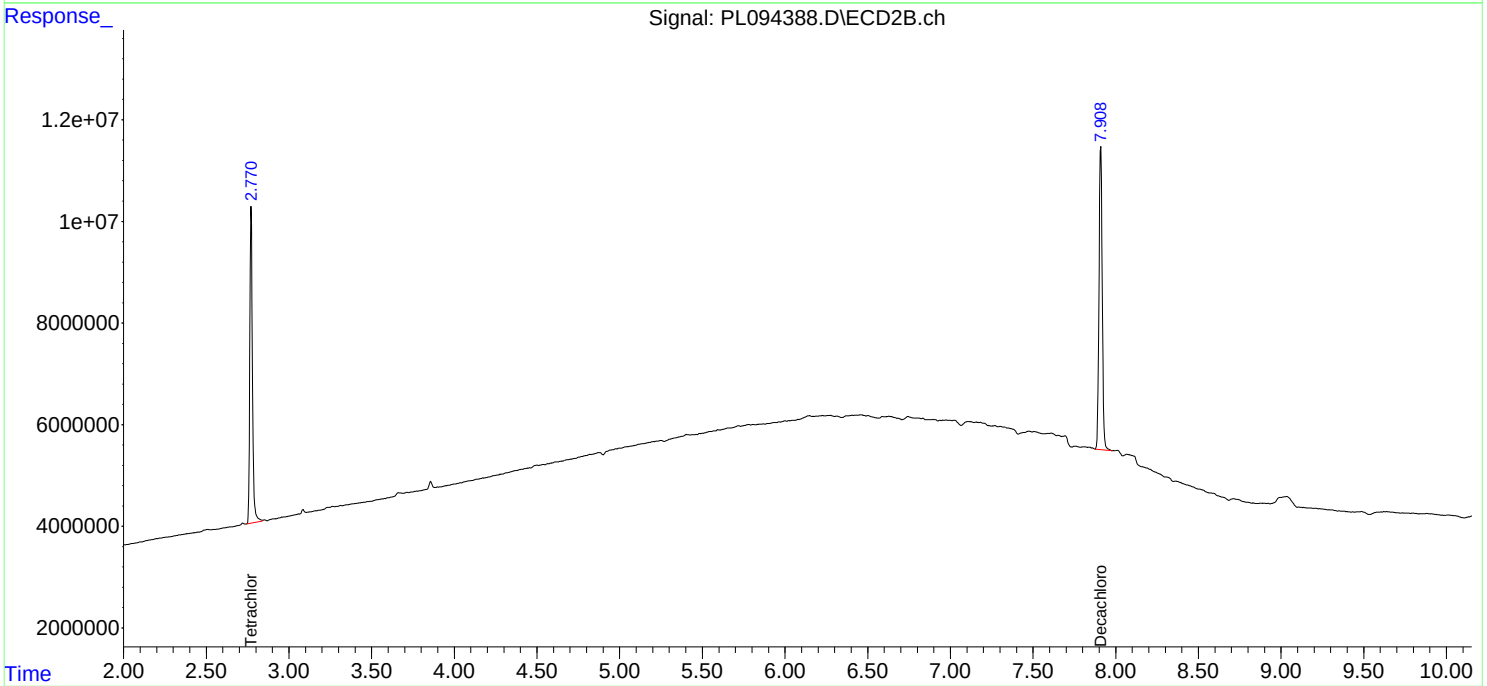
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:29
Operator : AR\AJ
Sample : PB166855BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

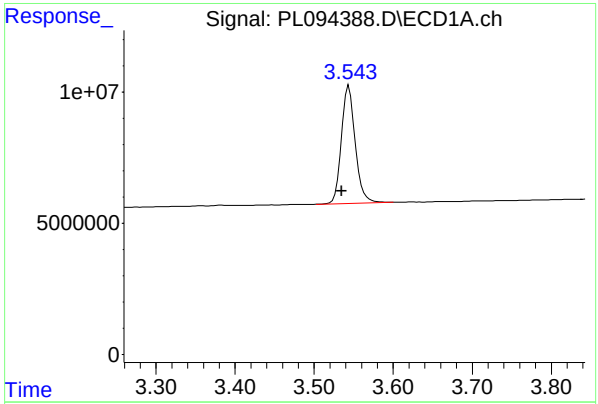
Instrument :
ECD_L
ClientSampleId :
PB166855BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:08:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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



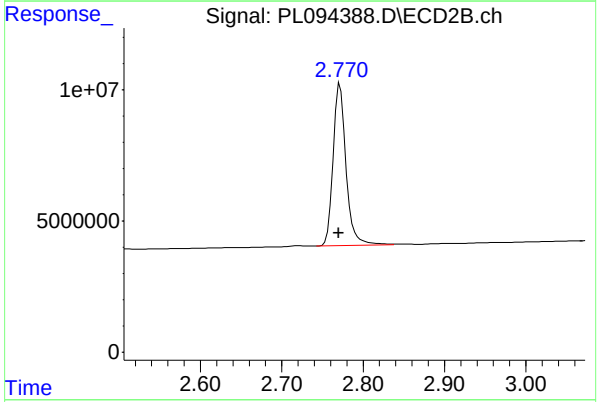




#1 Tetrachloro-m-xylene

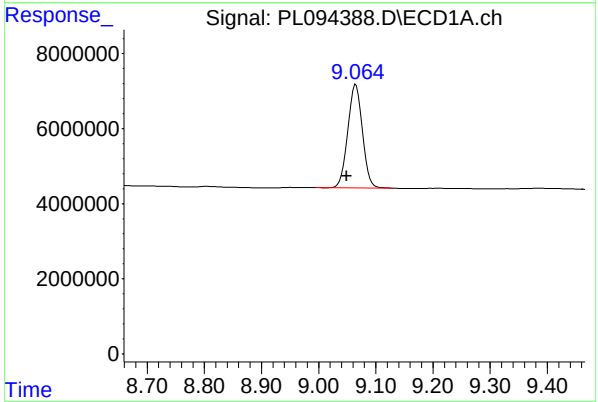
R.T.: 3.544 min
Delta R.T.: 0.009 mi
Response: 54477482
Conc: 21.46 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166855BL



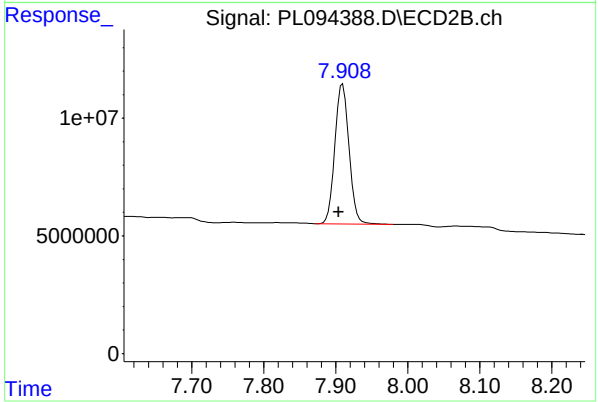
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 68179801
Conc: 21.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.016 min
Response: 49547651
Conc: 23.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.005 min
Response: 80783327
Conc: 21.01 ng/ml

Raw Data: **PL094323.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/21/25
Project:	RFP 905	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094323.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
PL094323.D	1		02/21/25	pl022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.7		43 - 140	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		77 - 126	116%	SPK: 20

Raw Data: **PL094323.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/21/25
Project:	RFP 905	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094323.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
PL094323.D	1		02/21/25	pl022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:15
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 21 13:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	59107304	72879952	23.279	22.838
28)	SA Decachlor...	9.050	7.905	52511368	90629628	24.685	23.567
	Target Compounds						

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

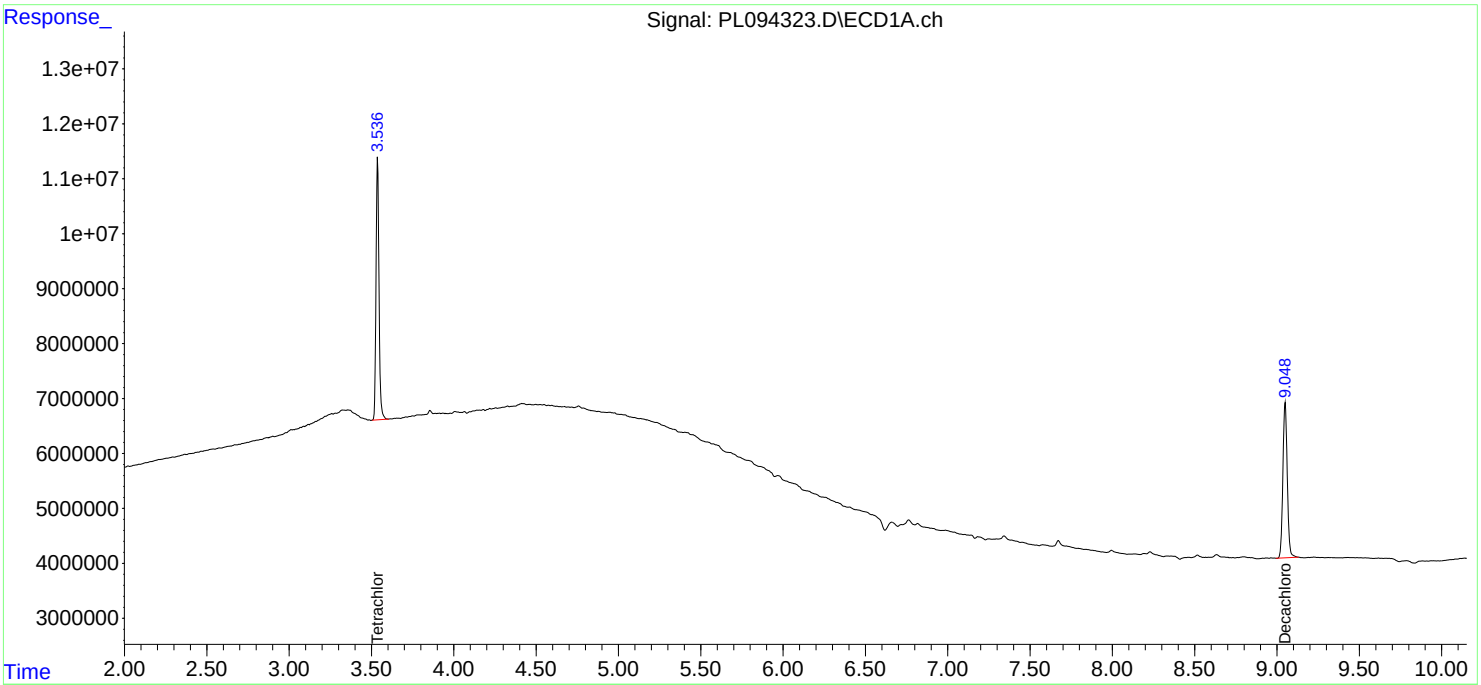
Sample Results: **PL094323.D**

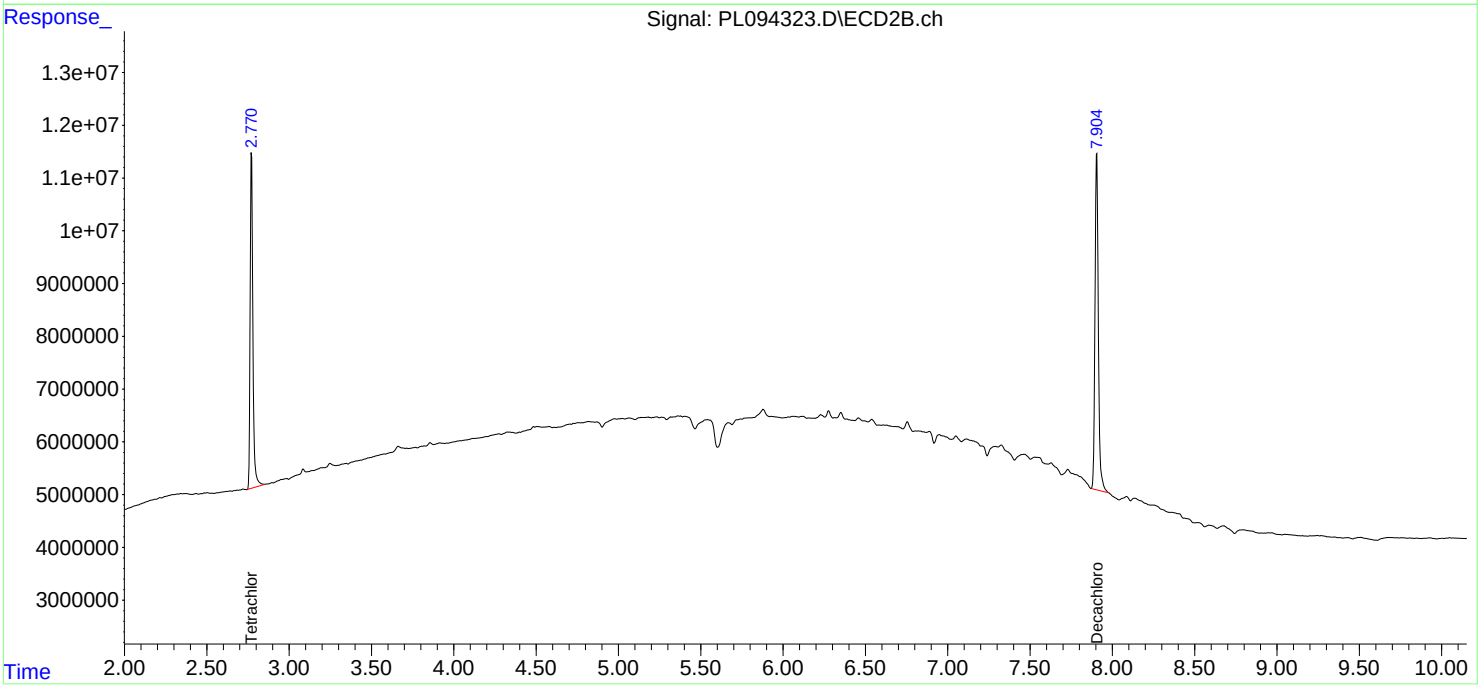
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

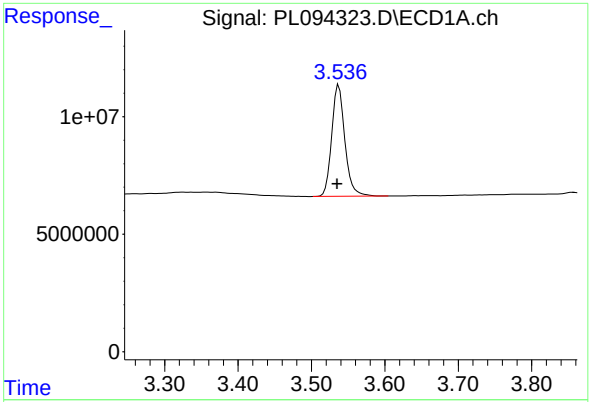
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



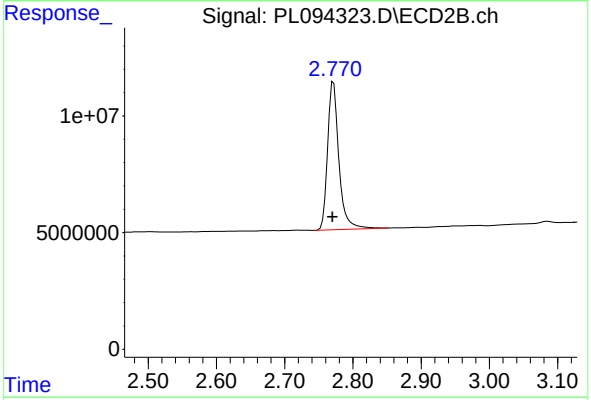




#1 Tetrachloro-m-xylene

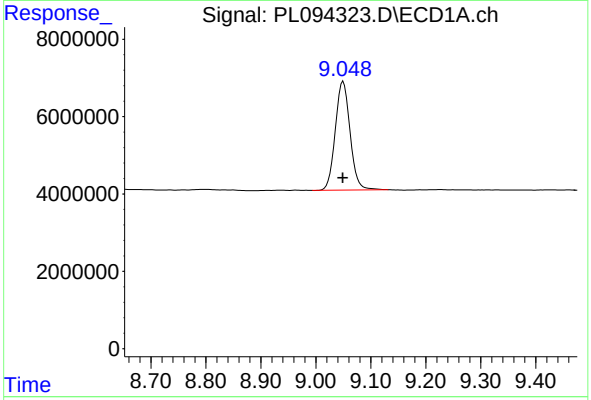
R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 59107304
Conc: 23.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



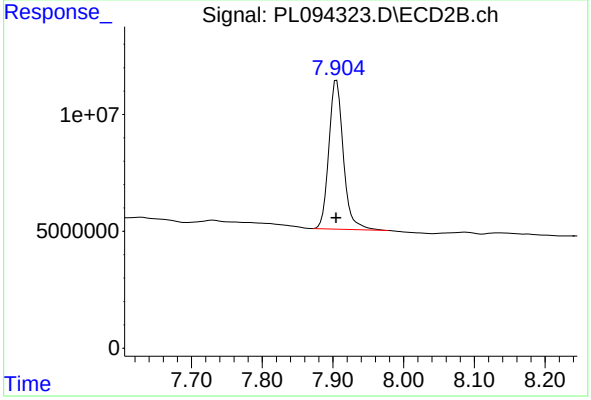
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 72879952
Conc: 22.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: 0.000 min
Response: 52511368
Conc: 24.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 90629628
Conc: 23.57 ng/ml

Raw Data: **PL094385.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PL094385.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094385.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
PL094385.D	1		02/25/25	PL022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		77 - 126	114%	SPK: 20

Raw Data: **PL094385.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PL094385.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094385.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
PL094385.D	1		02/25/25	PL022525

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: **PL094385.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 09:46
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 26 00:07:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.543	2.771	58078537	72583950	22.874	22.745
28)	SA Decachlor...	9.062	7.908	48746264	80927884	22.915	21.044
	Target Compounds						

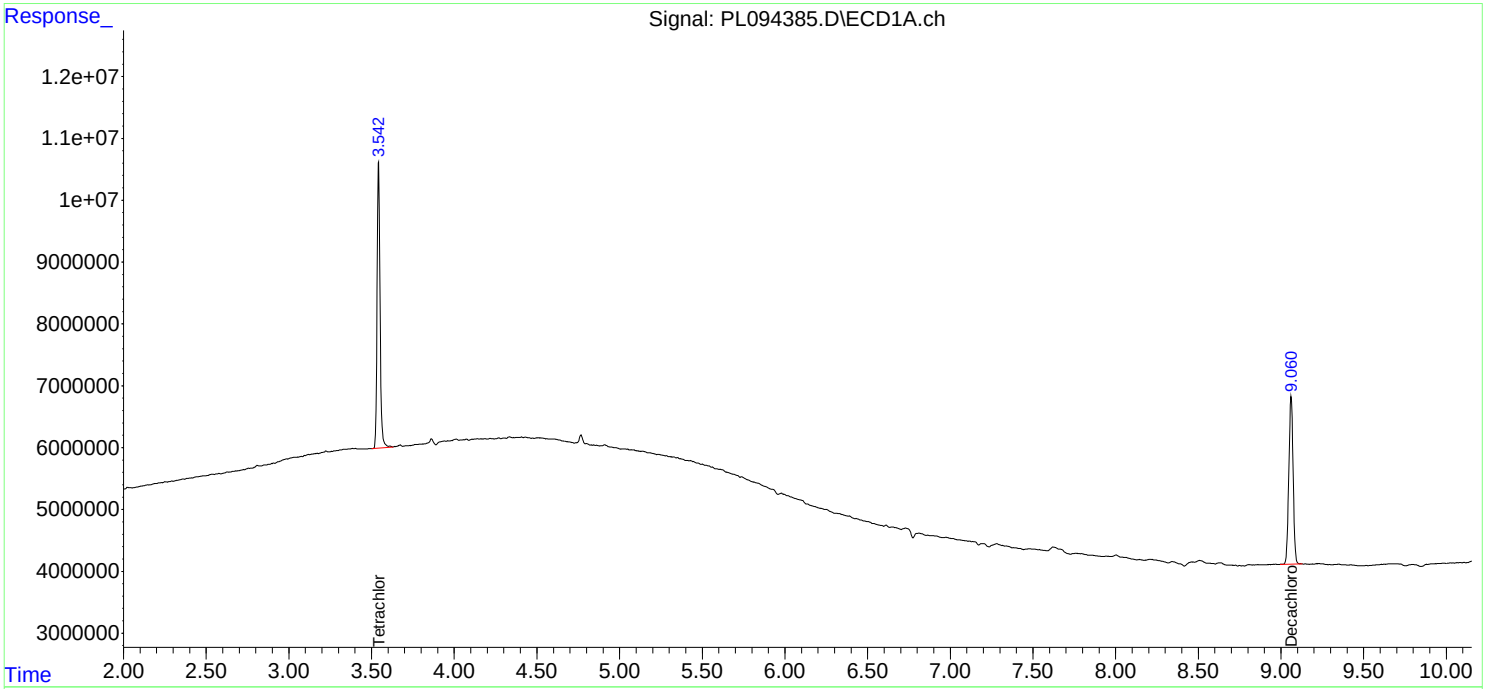
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

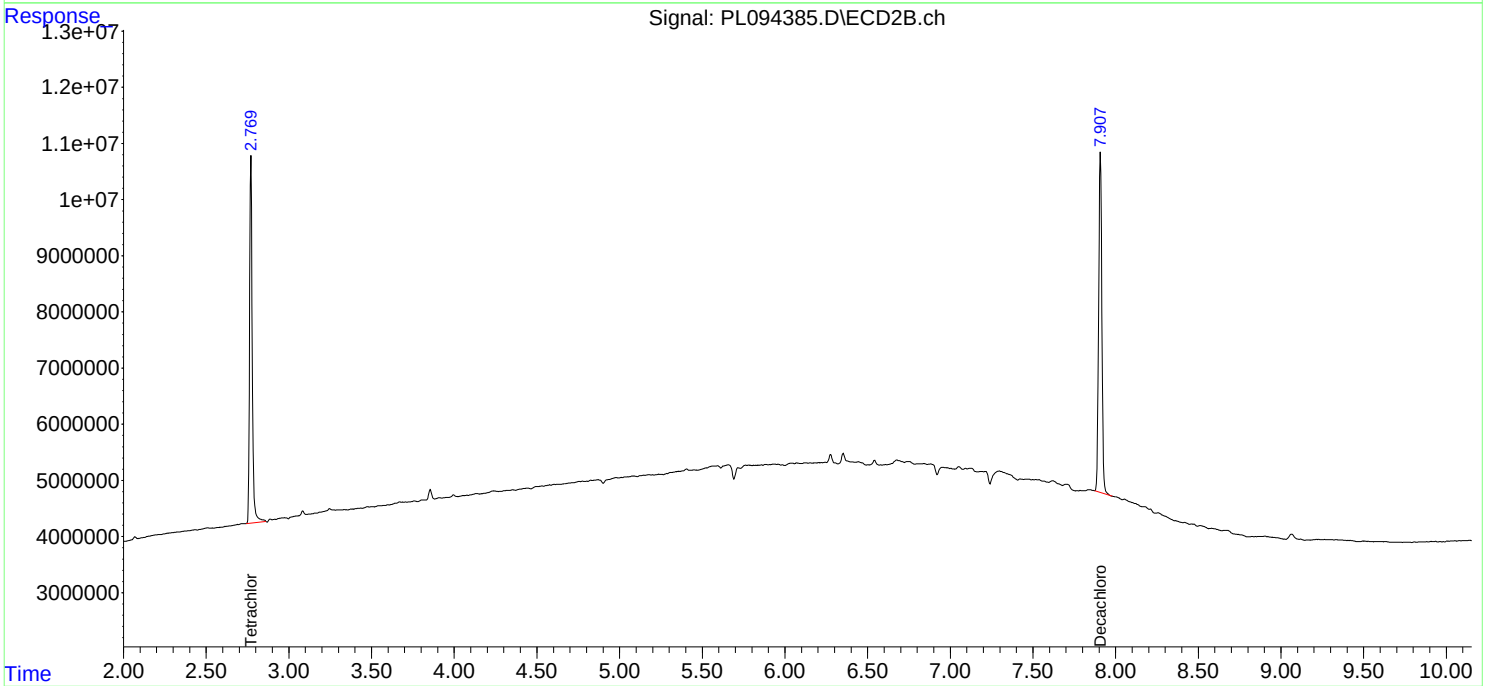
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 09:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

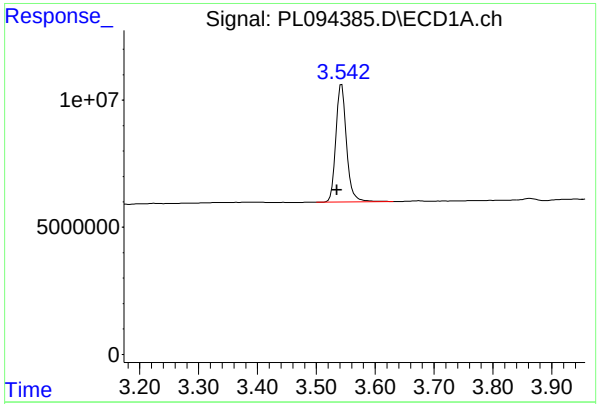
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:07:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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



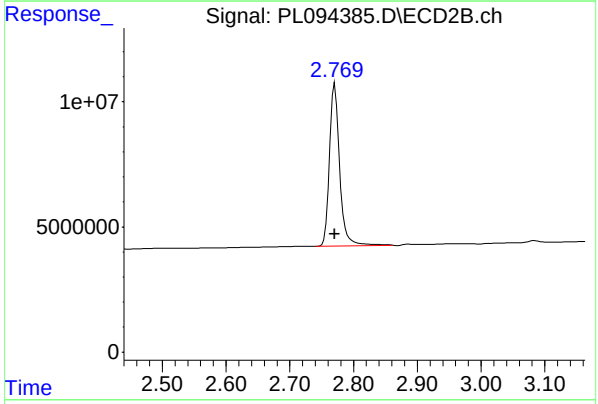




#1 Tetrachloro-m-xylene

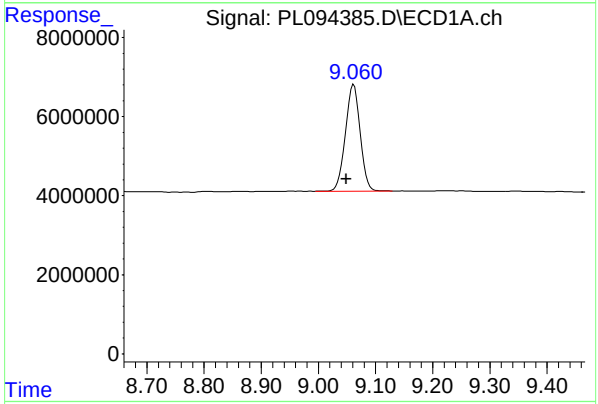
R.T.: 3.543 min
Delta R.T.: 0.008 min
Response: 58078537
Conc: 22.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



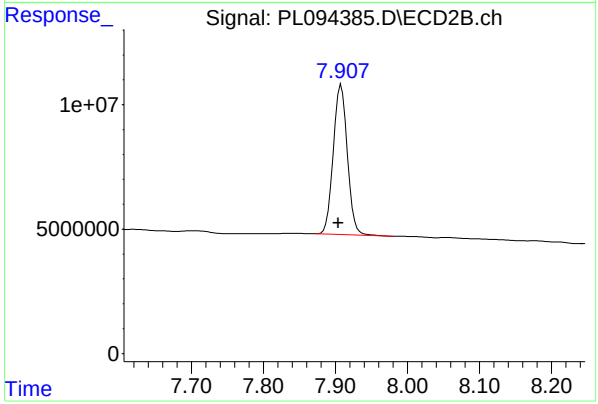
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72583950
Conc: 22.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.013 min
Response: 48746264
Conc: 22.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: 0.004 min
Response: 80927884
Conc: 21.04 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PL094397.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094397.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
PL094397.D	1		02/25/25	PL022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		43 - 140	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		77 - 126	117%	SPK: 20

Raw Data: **PL094397.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PL094397.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PL094397.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
PL094397.D	1		02/25/25	PL022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:39
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 26 00:12:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	2.771	58576033	74671620	23.070	23.399
28)	SA Decachlor...	9.052	7.906	47468099	78479952	22.314	20.407
	Target Compounds						

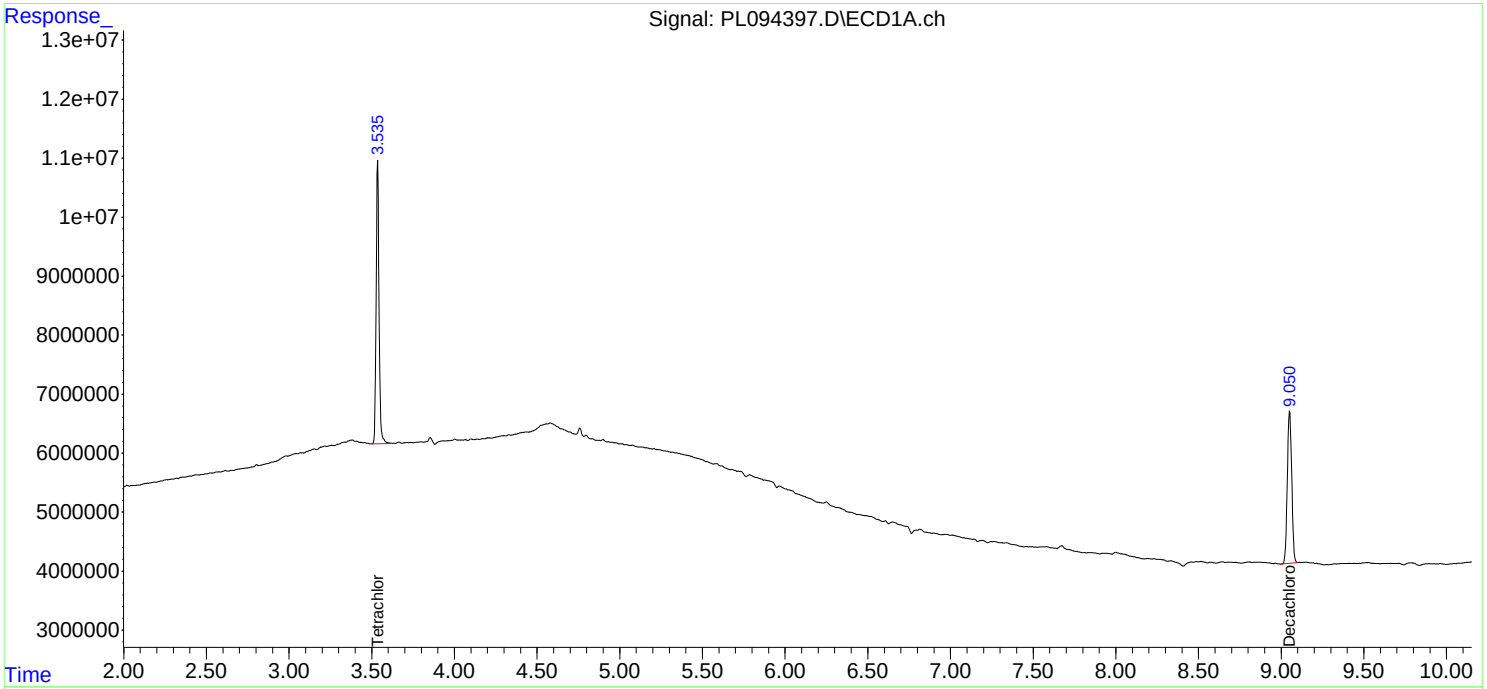
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

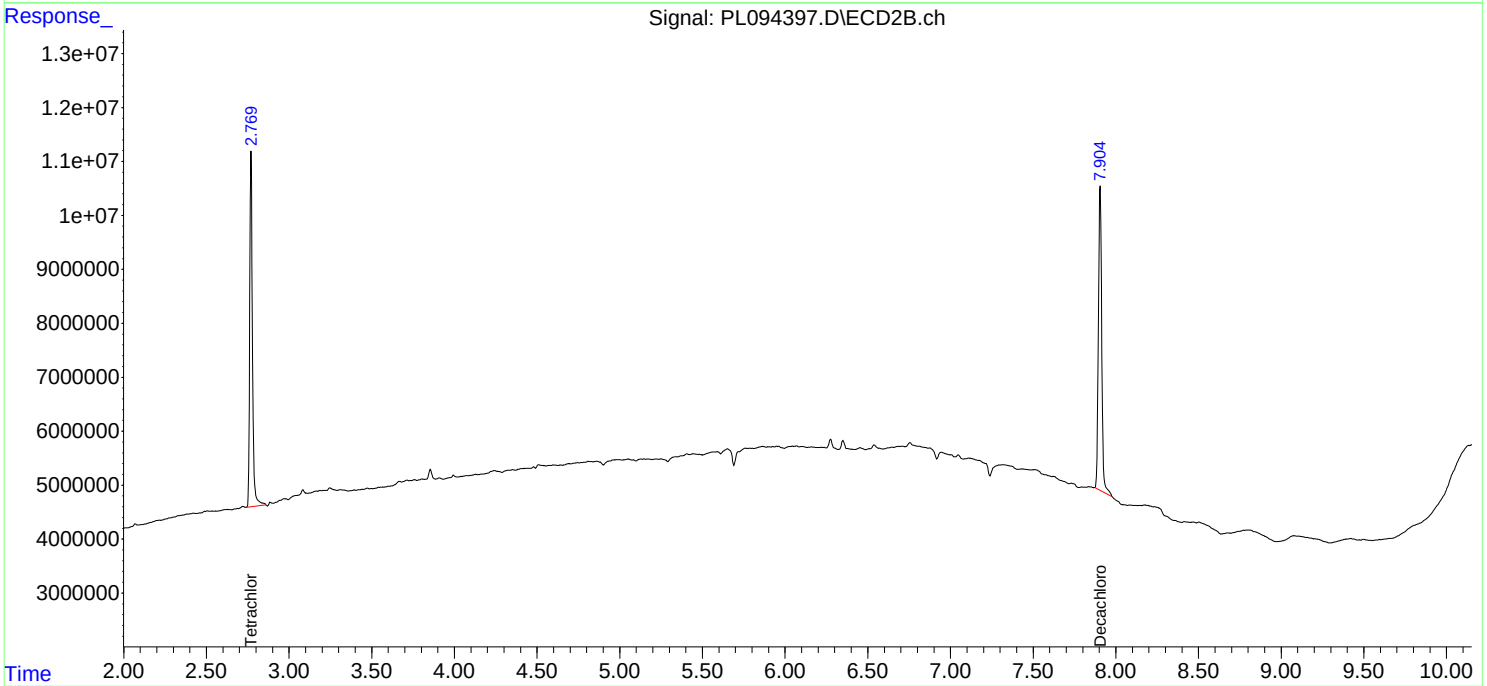
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

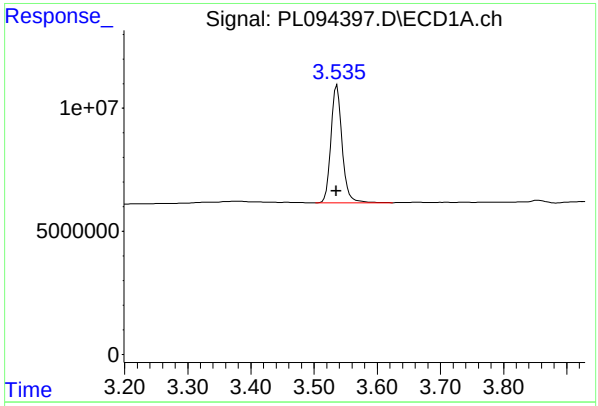
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:12:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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



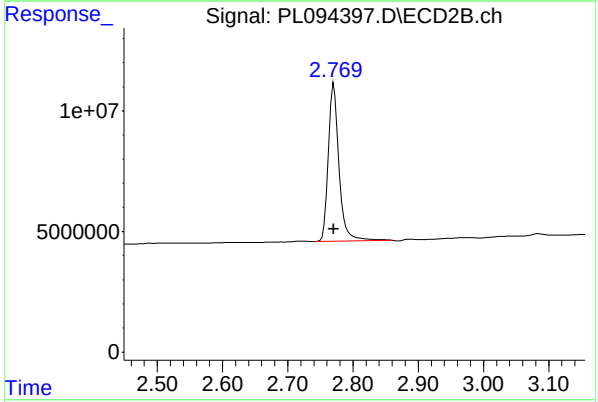




#1 Tetrachloro-m-xylene

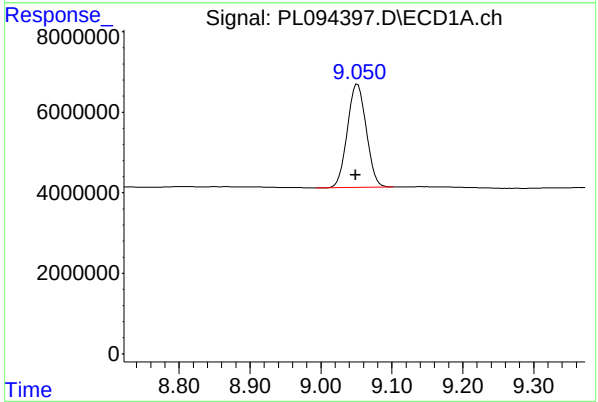
R.T.: 3.536 min
Delta R.T.: 0.001 min
Response: 58576033
Conc: 23.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



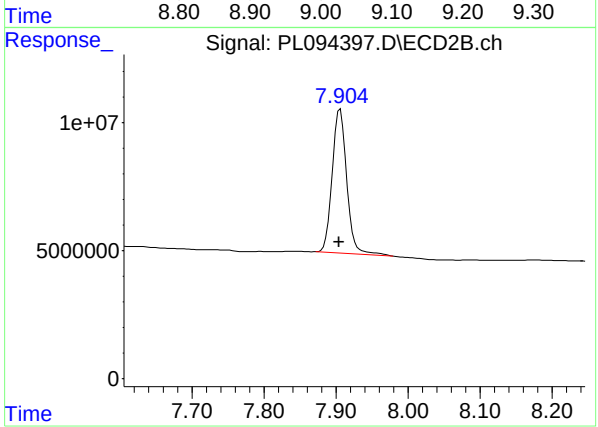
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 74671620
Conc: 23.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.003 min
Response: 47468099
Conc: 22.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.001 min
Response: 78479952
Conc: 20.41 ng/ml

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166855BS	SDG No.:	Q1421
Lab Sample ID:	PB166855BS	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
PL094389.D	1	02/25/25 09:03	02/25/25 13:43	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.4		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.0		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.0		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	16.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.8		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.2		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.5		0.13	1.70	ug/kg
72-20-8	Endrin	18.0	P	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	18.1		0.30	1.70	ug/kg
72-54-8	4,4-DDD	19.3		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.4		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.9		0.17	1.70	ug/kg
72-43-5	Methoxychlor	15.8		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	18.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.0		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.3		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		19 - 148	102%	SPK: 20

Raw Data: **PL094389.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166855BS	SDG No.:	Q1421
Lab Sample ID:	PB166855BS	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
PL094389.D	1	02/25/25 09:03	02/25/25 13:43	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:43
Operator : AR\AJ
Sample : PB166855BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166855BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:09:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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...	3.540	2.772	51991378	62912496	20.476	19.715
28)	SA	Decachlor...	9.058	7.908	44906601	74315067	21.110	19.324
		Target Compounds						
2)	A	alpha-BHC	3.997	3.274	180.0E6	241.7E6	47.574	49.173
3)	MA	gamma-BHC...	4.329	3.604	172.5E6	230.6E6	46.692	48.962
4)	MA	Heptachlor	4.918	3.942	165.7E6	235.5E6	48.871	49.884
5)	MB	Aldrin	5.259	4.221	160.6E6	225.4E6	46.799	48.778
6)	B	beta-BHC	4.528	3.905	77979861	101.6E6	48.832	51.074
7)	B	delta-BHC	4.775	4.133	167.4E6	227.8E6	47.306	48.105
8)	B	Heptachlo...	5.685	4.725	146.5E6	214.8E6	48.629	50.489
9)	A	Endosulfan I	6.071	5.095	133.3E6	205.7E6	48.507	51.603
10)	B	gamma-Chl...	5.942	4.975	143.9E6	224.9E6	48.999	51.839
11)	B	alpha-Chl...	6.020	5.038	142.5E6	220.9E6	49.193	51.158
12)	B	4,4'-DDE	6.195	5.227	133.9E6	220.5E6	51.255	52.498
13)	MA	Dieldrin	6.346	5.358	138.9E6	226.5E6	48.744	51.682
14)	MA	Endrin	6.576	5.634	105.9E6	183.6E6	41.473	53.927 #
15)	B	Endosulfa...	6.797	5.929	120.5E6	203.4E6	47.852	54.386
16)	A	4,4'-DDD	6.712	5.782	104.7E6	184.9E6	56.619	58.059
17)	MA	4,4'-DDT	7.026	6.032	103.4E6	180.4E6	49.222	50.710
18)	B	Endrin al...	6.927	6.108	94959690	160.2E6	48.777	50.697
19)	B	Endosulfa...	7.161	6.331	108.9E6	192.6E6	48.092	52.149
20)	A	Methoxychlor	7.503	6.607	51100463	92473336	45.993	47.397
21)	B	Endrin ke...	7.646	6.837	124.3E6	233.8E6	49.587	54.797
22)		Mirex	8.119	7.017	90548924	168.1E6	43.885	48.218

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

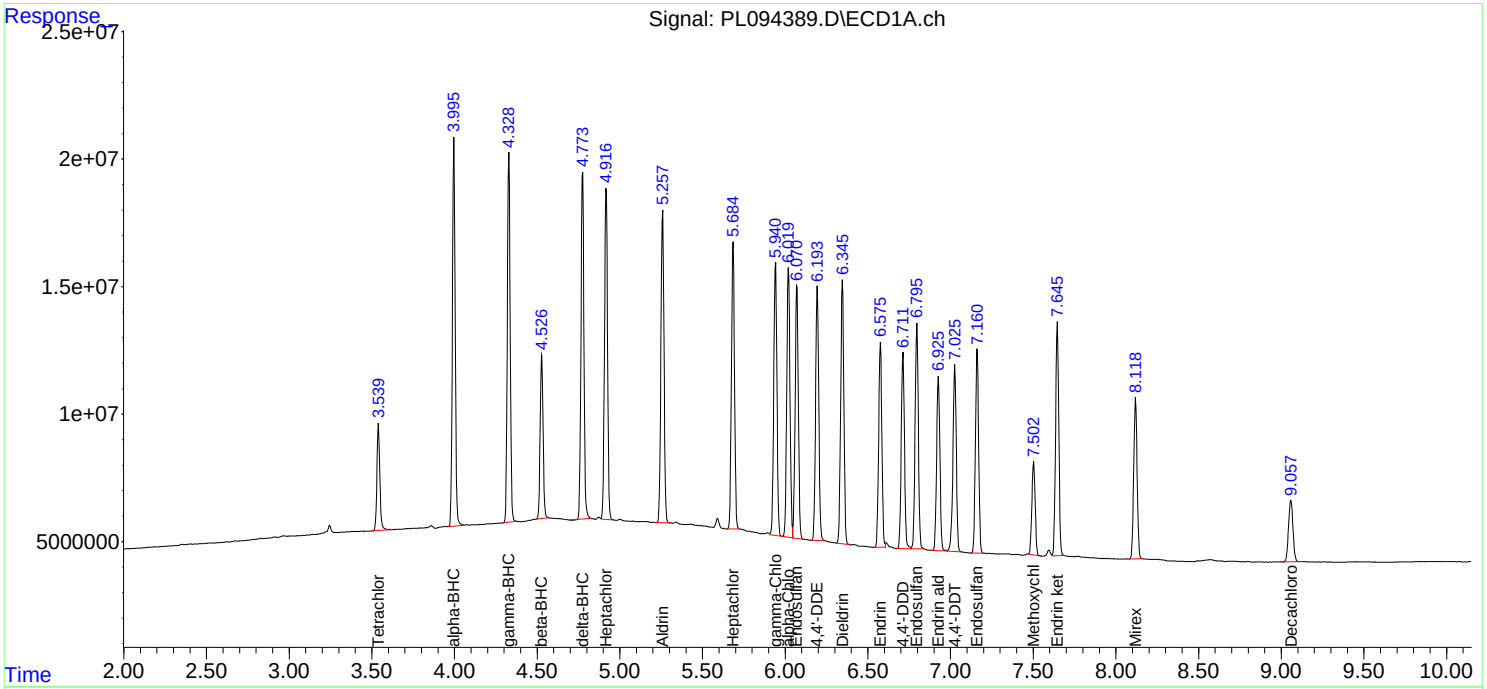
Sample Results: **PL094389.D**

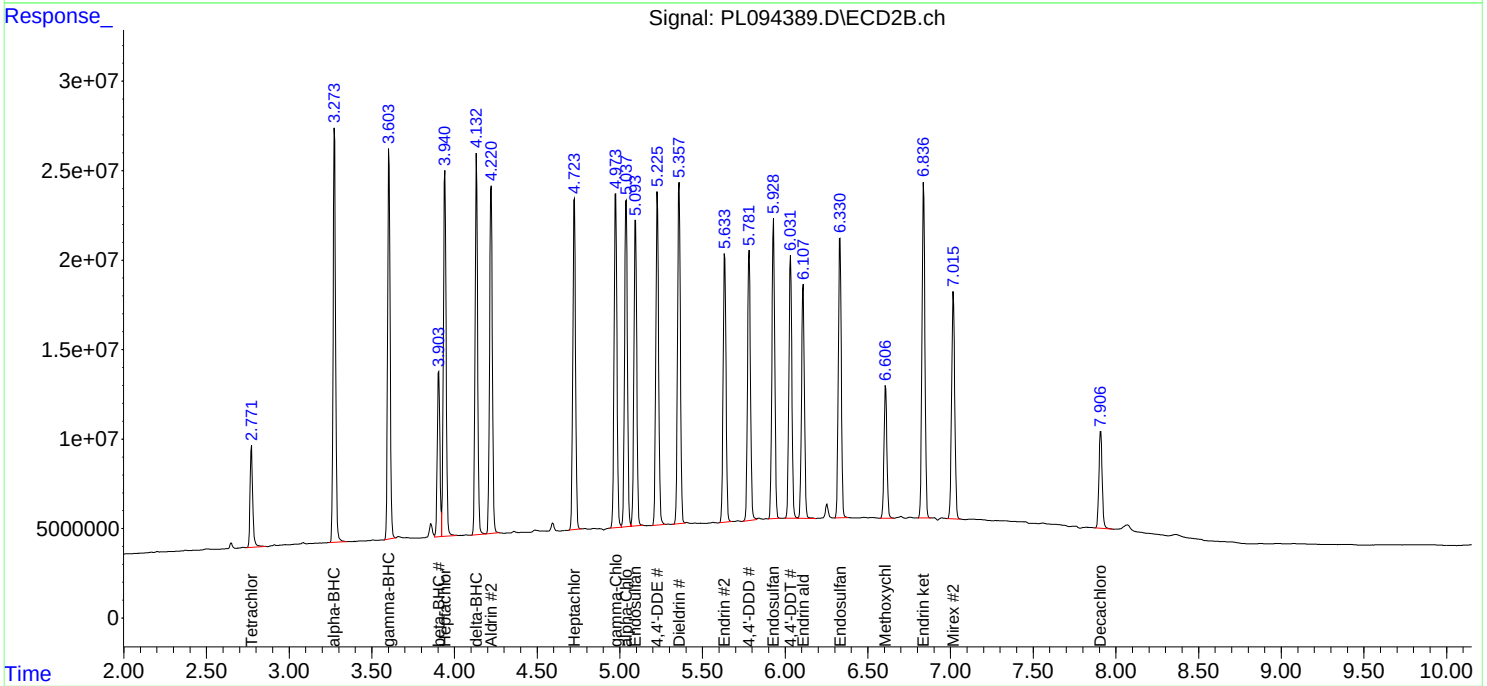
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:43
Operator : AR\AJ
Sample : PB166855BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

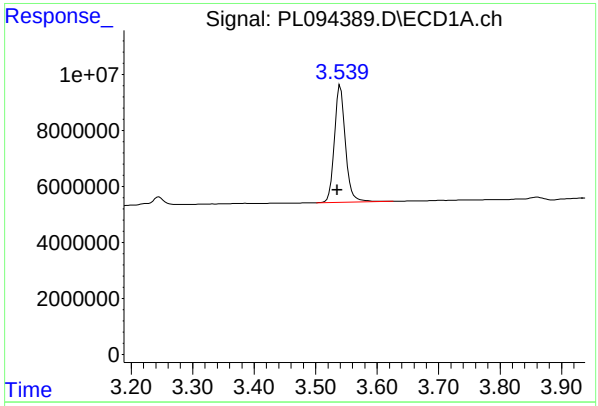
Instrument :
ECD_L
ClientSampleId :
PB166855BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:09:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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



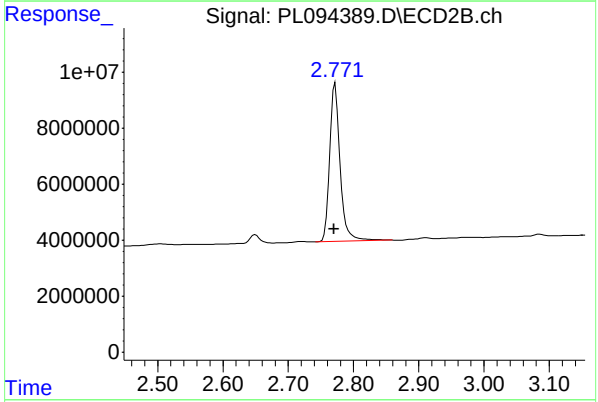




#1 Tetrachloro-m-xylene

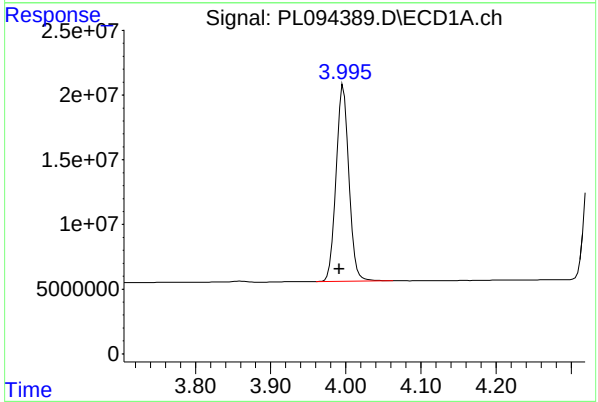
R.T.: 3.540 min
Delta R.T.: 0.005 min
Response: 51991378
Conc: 20.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



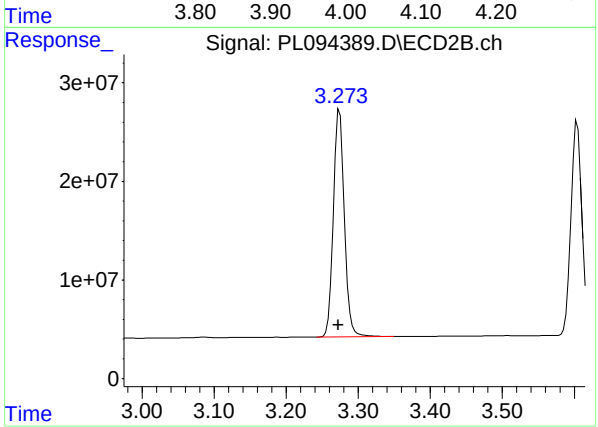
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.002 min
Response: 62912496
Conc: 19.71 ng/ml



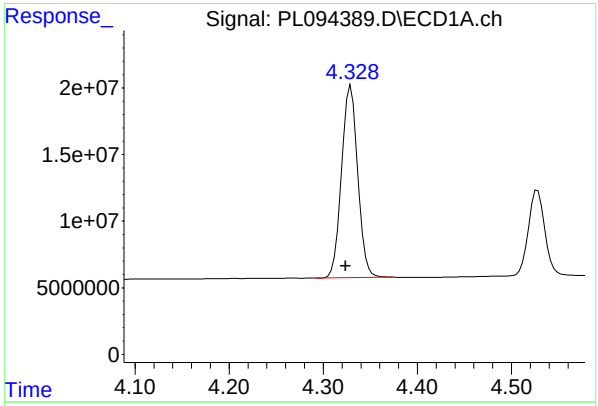
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.005 min
Response: 179958120
Conc: 47.57 ng/ml



#2 alpha-BHC

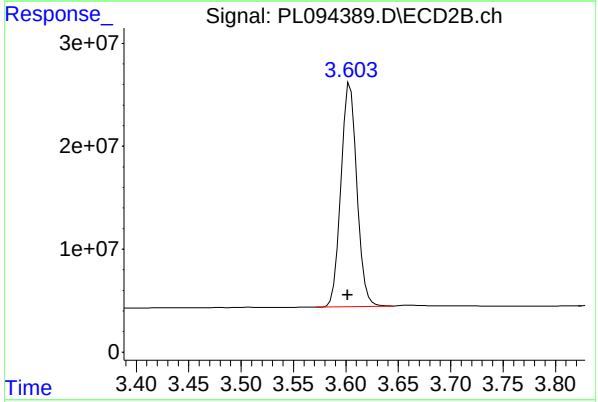
R.T.: 3.274 min
Delta R.T.: 0.002 min
Response: 241673963
Conc: 49.17 ng/ml



#3 gamma-BHC (Lindane)

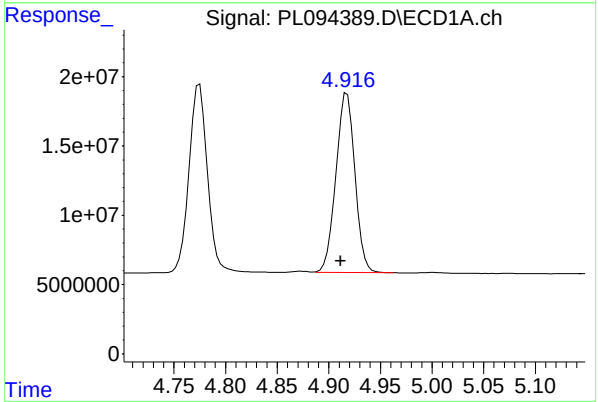
R.T.: 4.329 min
Delta R.T.: 0.006 min
Response: 172514898
Conc: 46.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



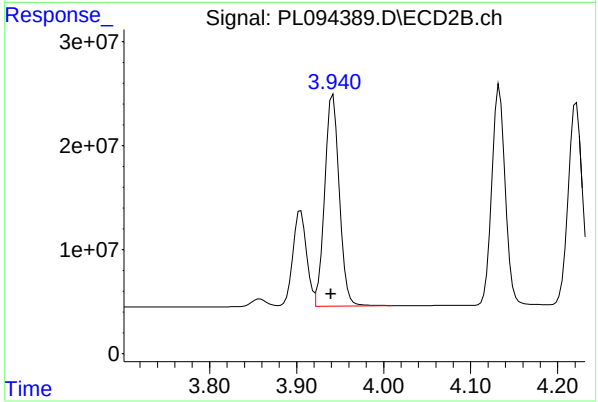
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 230609481
Conc: 48.96 ng/ml



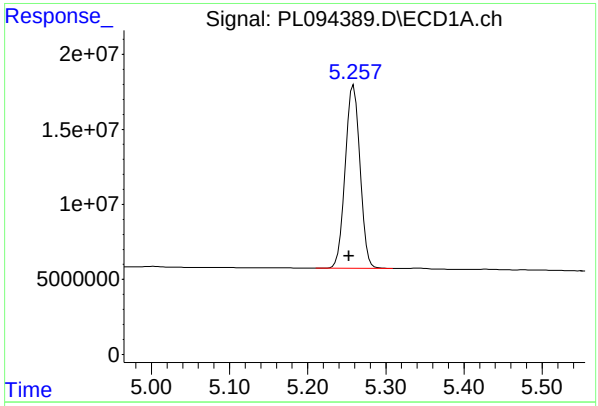
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.006 min
Response: 165690415
Conc: 48.87 ng/ml



#4 Heptachlor

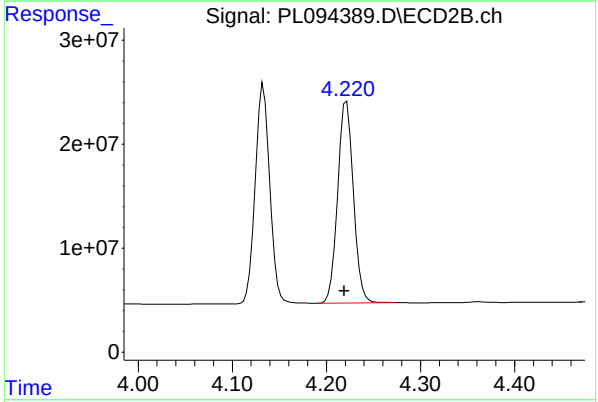
R.T.: 3.942 min
Delta R.T.: 0.002 min
Response: 235465841
Conc: 49.88 ng/ml



#5 Aldrin

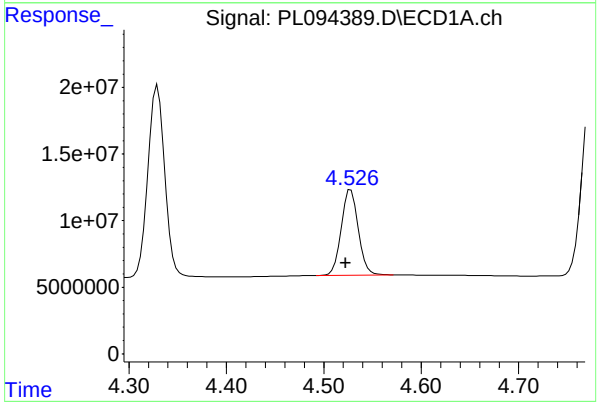
R.T.: 5.259 min
Delta R.T.: 0.006 mi
Response: 160601172
Conc: 46.80 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166855BS



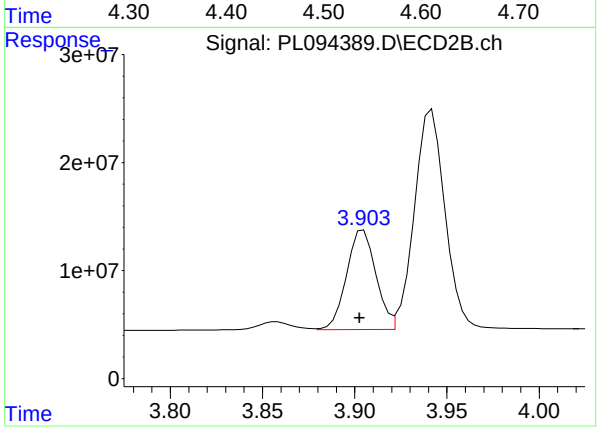
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.003 min
Response: 225372187
Conc: 48.78 ng/ml



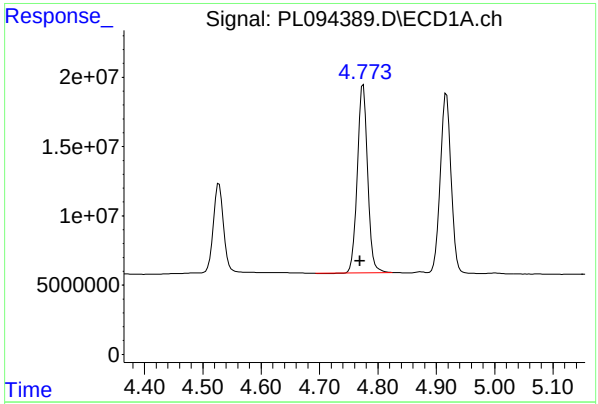
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.005 min
Response: 77979861
Conc: 48.83 ng/ml



#6 beta-BHC

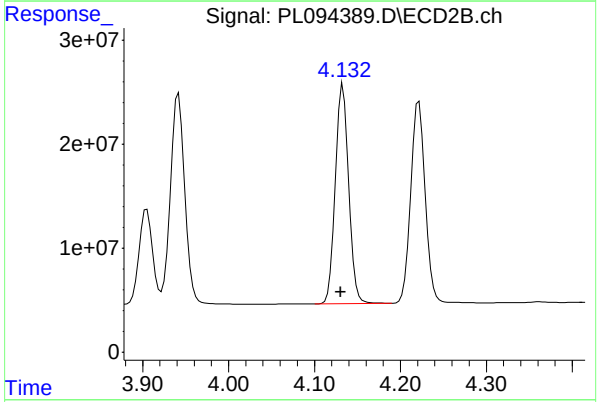
R.T.: 3.905 min
Delta R.T.: 0.002 min
Response: 101581495
Conc: 51.07 ng/ml



#7 delta-BHC

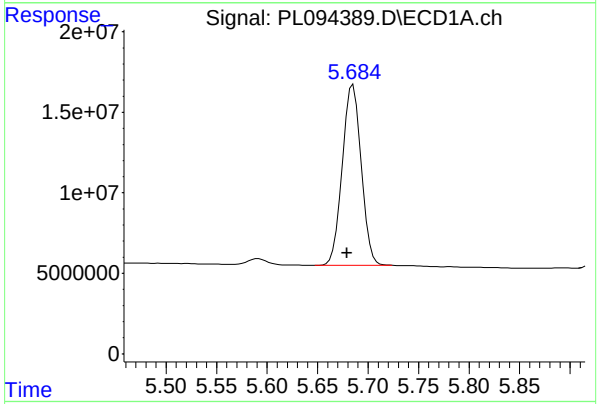
R.T.: 4.775 min
Delta R.T.: 0.006 min
Response: 167382373
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



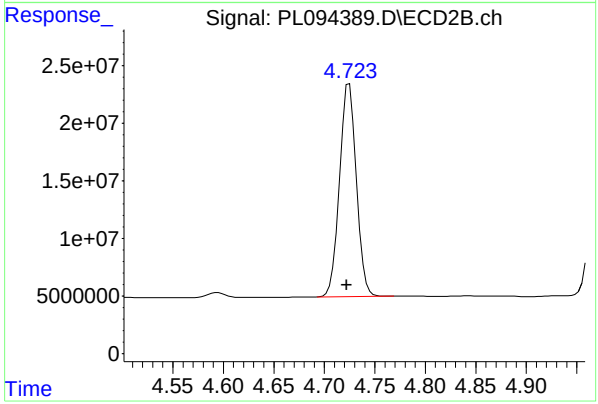
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.003 min
Response: 227809408
Conc: 48.10 ng/ml



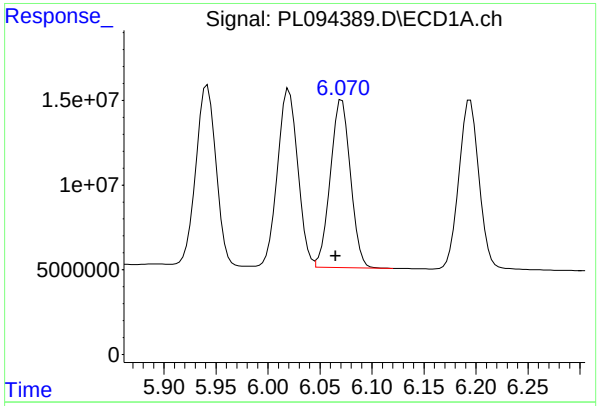
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.006 min
Response: 146537658
Conc: 48.63 ng/ml



#8 Heptachlor epoxide

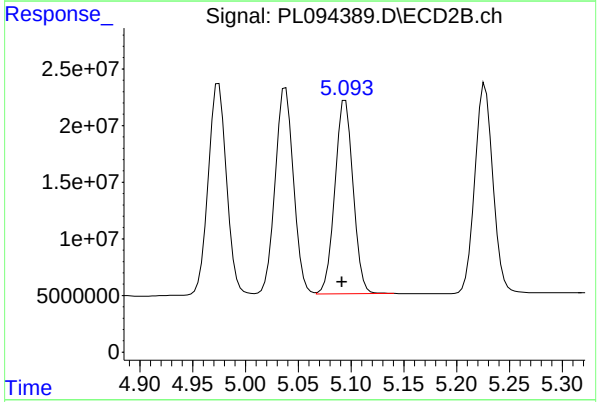
R.T.: 4.725 min
Delta R.T.: 0.003 min
Response: 214849944
Conc: 50.49 ng/ml



#9 Endosulfan I

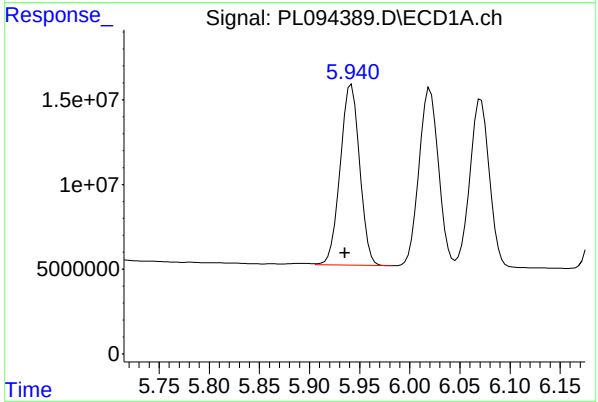
R.T.: 6.071 min
Delta R.T.: 0.006 min
Response: 133327614
Conc: 48.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



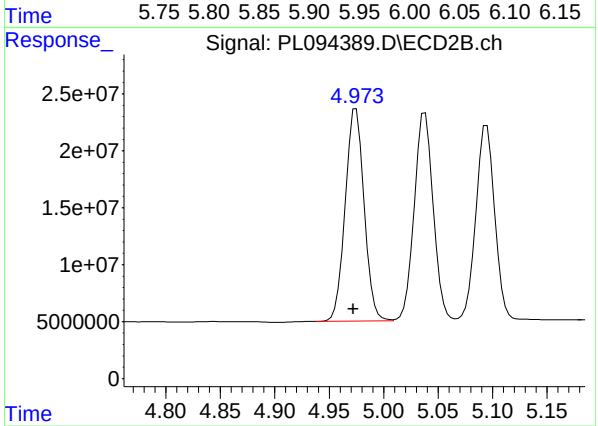
#9 Endosulfan I

R.T.: 5.095 min
Delta R.T.: 0.003 min
Response: 205720521
Conc: 51.60 ng/ml



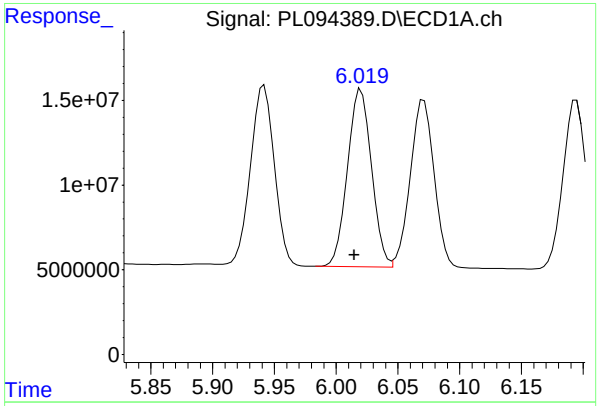
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.006 min
Response: 143868644
Conc: 49.00 ng/ml



#10 gamma-Chlordane

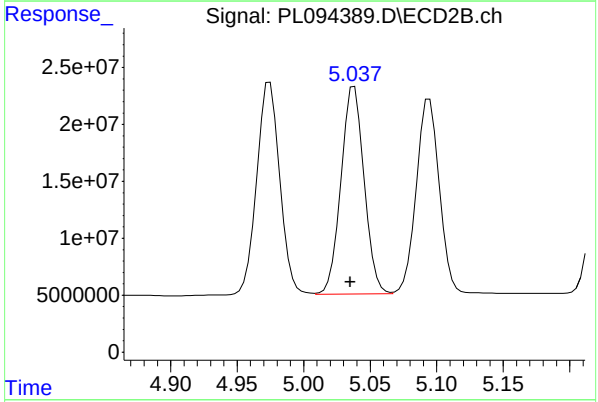
R.T.: 4.975 min
Delta R.T.: 0.003 min
Response: 224921035
Conc: 51.84 ng/ml



#11 alpha-Chlordane

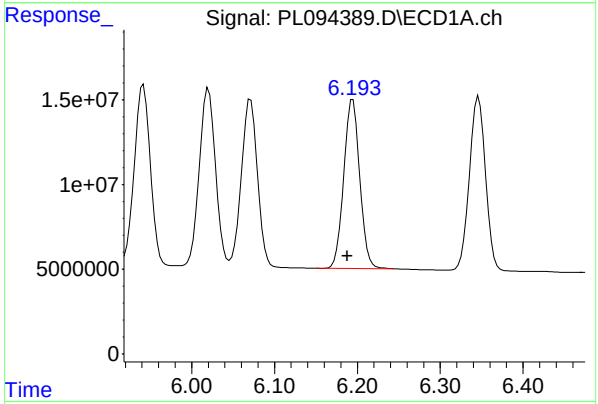
R.T.: 6.020 min
Delta R.T.: 0.006 min
Response: 142515221
Conc: 49.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



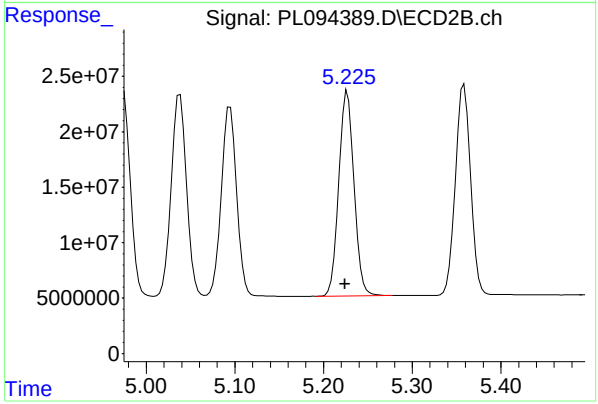
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.003 min
Response: 220879510
Conc: 51.16 ng/ml



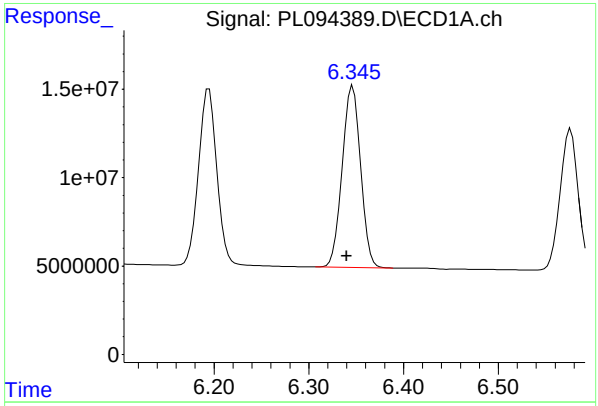
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.006 min
Response: 133864122
Conc: 51.26 ng/ml



#12 4,4'-DDE

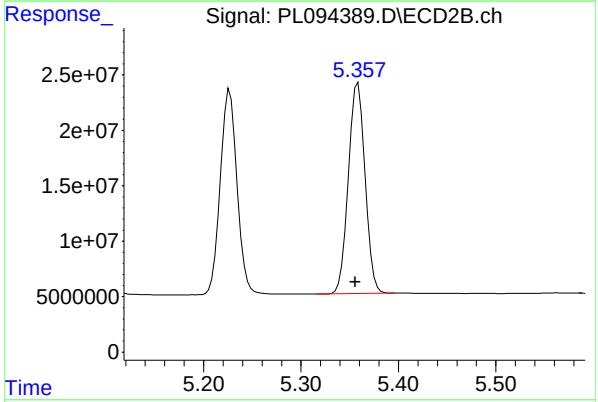
R.T.: 5.227 min
Delta R.T.: 0.003 min
Response: 220492075
Conc: 52.50 ng/ml



#13 Dieldrin

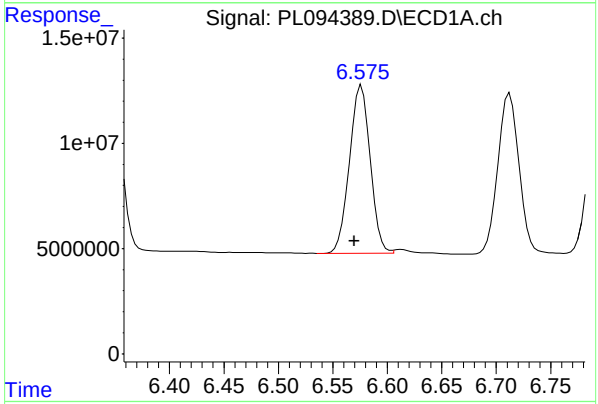
R.T.: 6.346 min
Delta R.T.: 0.006 min
Response: 138873816
Conc: 48.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



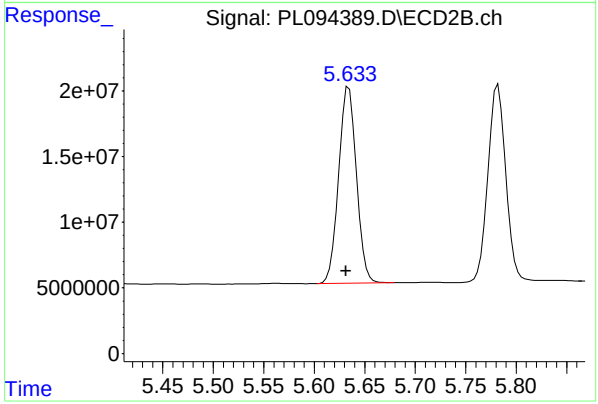
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.003 min
Response: 226460907
Conc: 51.68 ng/ml



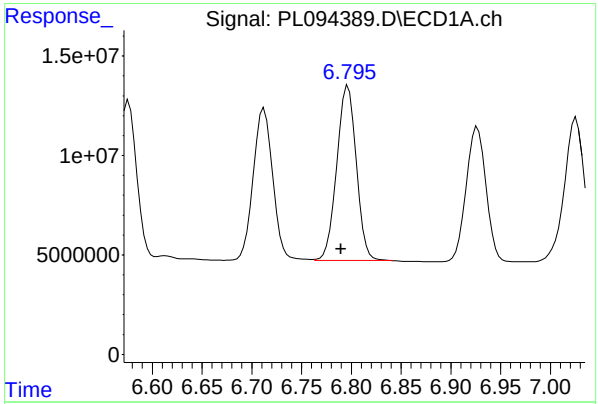
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.007 min
Response: 105851014
Conc: 41.47 ng/ml



#14 Endrin

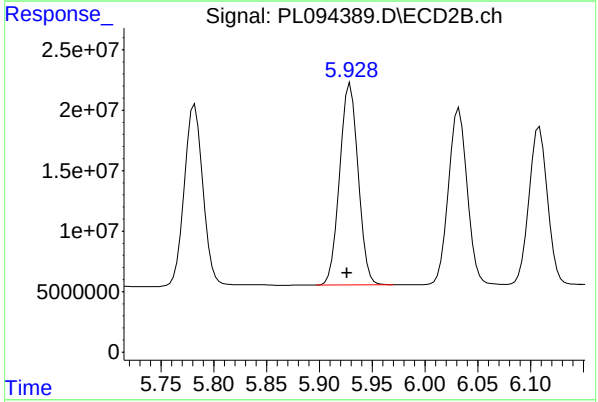
R.T.: 5.634 min
Delta R.T.: 0.003 min
Response: 183604528
Conc: 53.93 ng/ml



#15 Endosulfan II

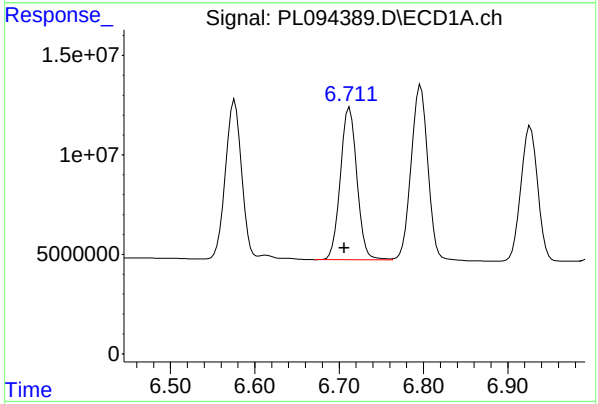
R.T.: 6.797 min
Delta R.T.: 0.007 min
Response: 120454698
Conc: 47.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



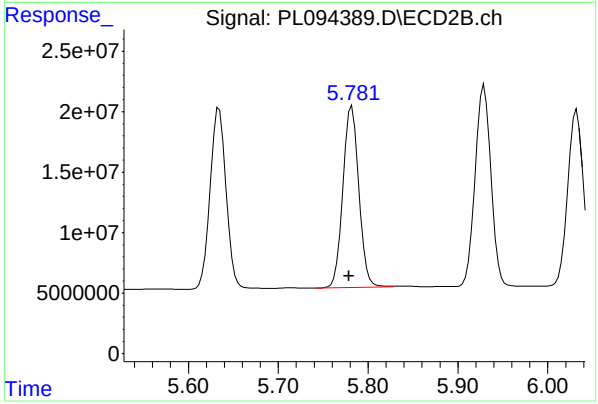
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: 0.003 min
Response: 203377566
Conc: 54.39 ng/ml



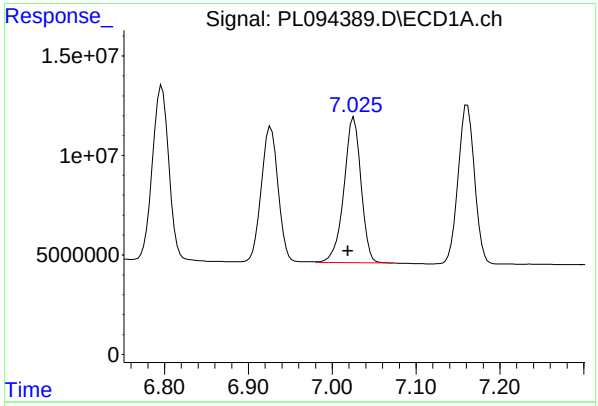
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.006 min
Response: 104731349
Conc: 56.62 ng/ml



#16 4,4'-DDD

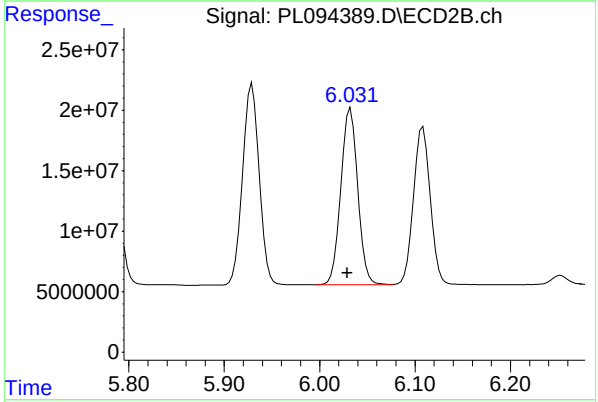
R.T.: 5.782 min
Delta R.T.: 0.003 min
Response: 184935329
Conc: 58.06 ng/ml



#17 4,4'-DDT

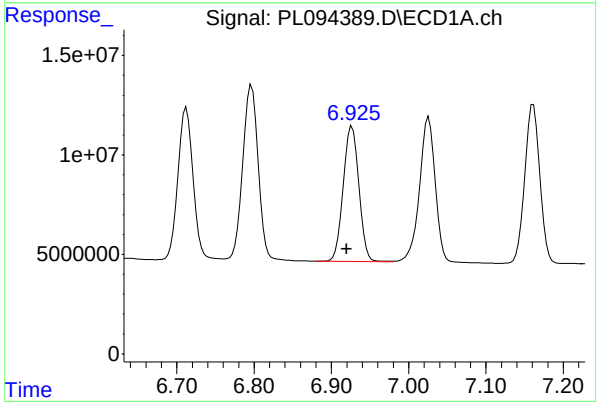
R.T.: 7.026 min
Delta R.T.: 0.007 min
Response: 103368446
Conc: 49.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



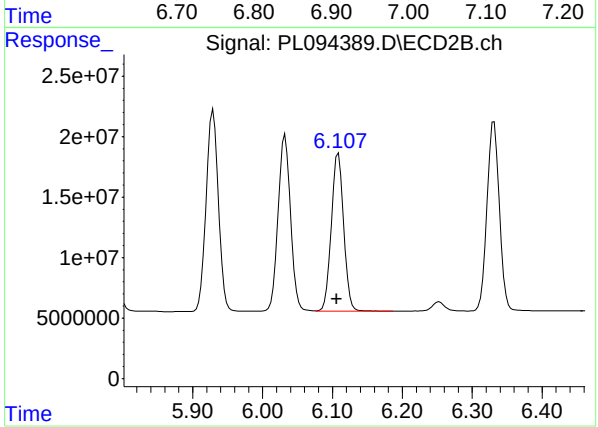
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 180376259
Conc: 50.71 ng/ml



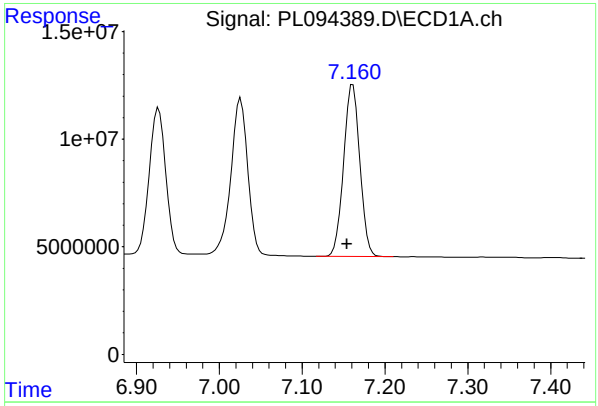
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.007 min
Response: 94959690
Conc: 48.78 ng/ml



#18 Endrin aldehyde

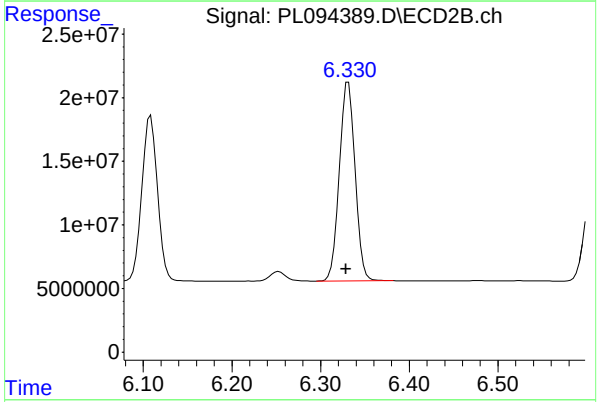
R.T.: 6.108 min
Delta R.T.: 0.003 min
Response: 160222712
Conc: 50.70 ng/ml



#19 Endosulfan Sulfate

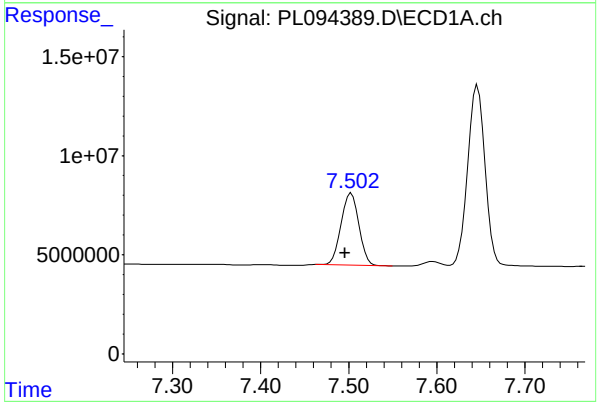
R.T.: 7.161 min
Delta R.T.: 0.007 min
Response: 108873137
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



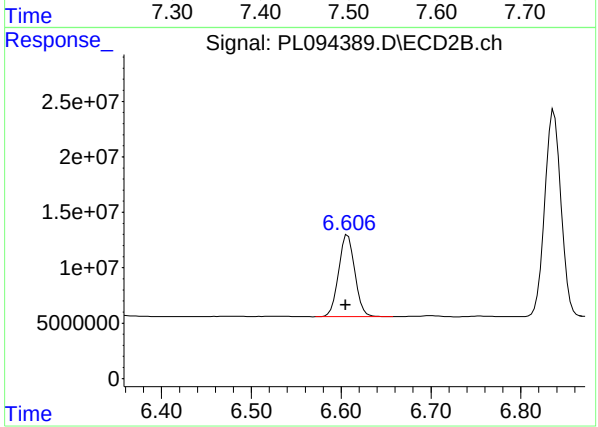
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.003 min
Response: 192620908
Conc: 52.15 ng/ml



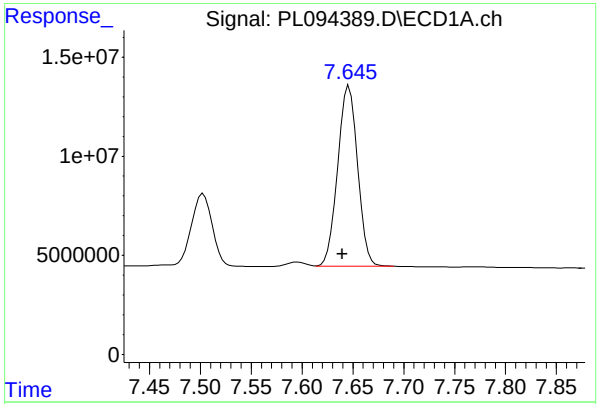
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.007 min
Response: 51100463
Conc: 45.99 ng/ml



#20 Methoxychlor

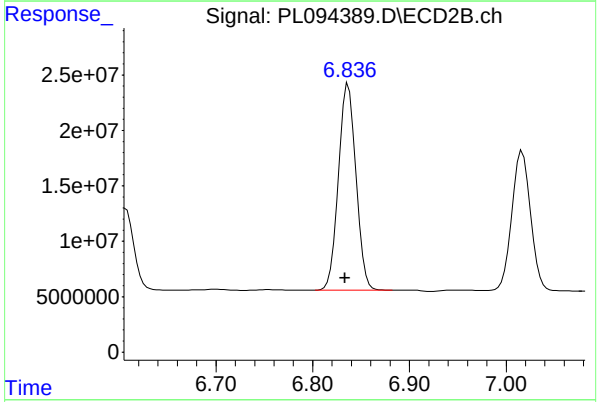
R.T.: 6.607 min
Delta R.T.: 0.003 min
Response: 92473336
Conc: 47.40 ng/ml



#21 Endrin ketone

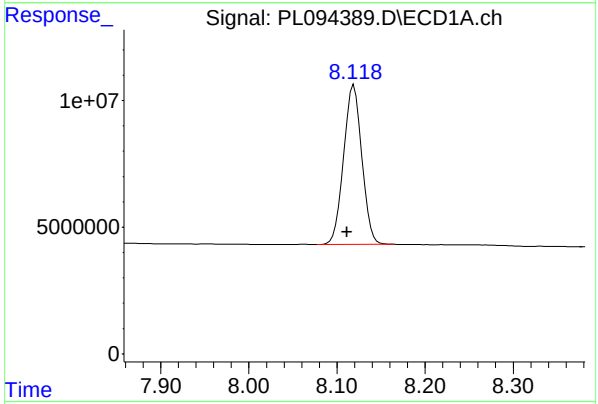
R.T.: 7.646 min
Delta R.T.: 0.007 min
Response: 124309656
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166855BS



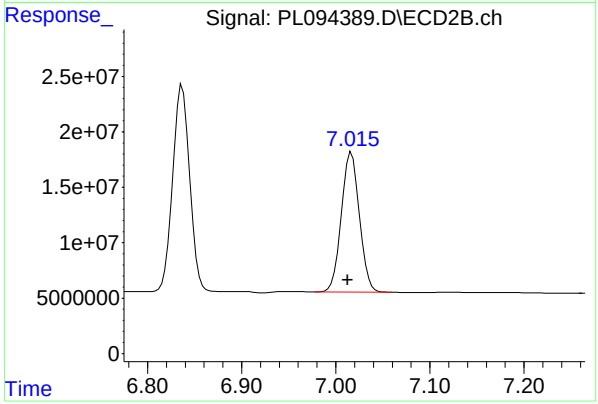
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.004 min
Response: 233846116
Conc: 54.80 ng/ml



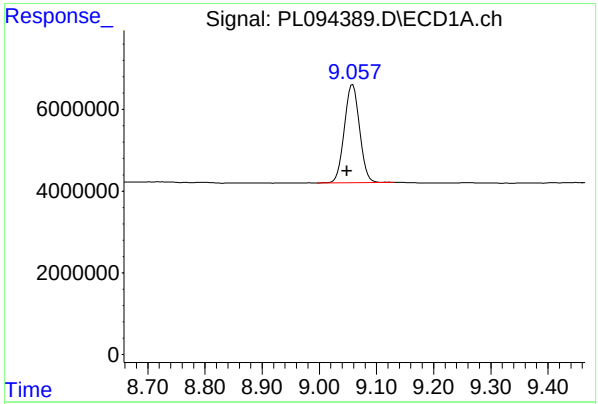
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.008 min
Response: 90548924
Conc: 43.89 ng/ml



#22 Mirex

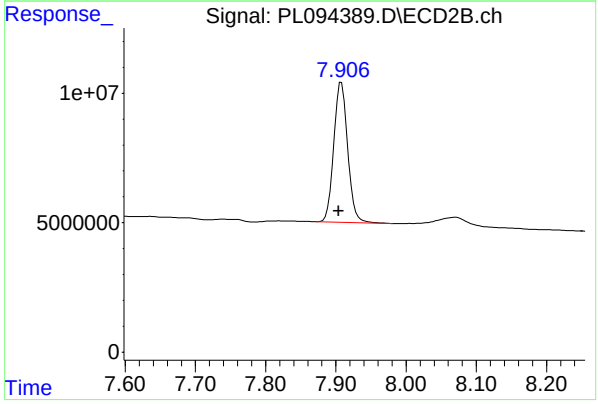
R.T.: 7.017 min
Delta R.T.: 0.004 min
Response: 168139163
Conc: 48.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.009 mi
Response: 44906601
Conc: 21.11 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166855BS



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: 0.004 min
Response: 74315067
Conc: 19.32 ng/ml

Raw Data: **PL094393.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1421
Lab Sample ID:	Q1421-02MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094393.D	1	02/25/25 09:03	02/25/25 14:44	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.9		0.26	2.40	ug/kg
319-85-7	beta-BHC	24.5		0.70	2.40	ug/kg
319-86-8	delta-BHC	23.9		0.67	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	23.3		0.27	2.40	ug/kg
76-44-8	Heptachlor	25.0		0.24	2.40	ug/kg
309-00-2	Aldrin	23.0		0.20	2.40	ug/kg
1024-57-3	Heptachlor epoxide	23.6		0.33	2.40	ug/kg
959-98-8	Endosulfan I	24.0		0.24	2.40	ug/kg
60-57-1	Dieldrin	23.6		0.21	2.40	ug/kg
72-55-9	4,4-DDE	24.1		0.18	2.40	ug/kg
72-20-8	Endrin	26.4		0.23	2.40	ug/kg
33213-65-9	Endosulfan II	24.5		0.43	2.40	ug/kg
72-54-8	4,4-DDD	26.7		0.27	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	23.2		0.18	2.40	ug/kg
50-29-3	4,4-DDT	23.2		0.24	2.40	ug/kg
72-43-5	Methoxychlor	22.6		0.54	2.40	ug/kg
53494-70-5	Endrin ketone	22.8		0.31	2.40	ug/kg
7421-93-4	Endrin aldehyde	22.0		0.55	2.40	ug/kg
5103-71-9	alpha-Chlordane	23.9		0.24	2.40	ug/kg
5103-74-2	gamma-Chlordane	24.1		0.27	2.40	ug/kg
8001-35-2	Toxaphene	7.40	U	7.40	46.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		20 - 144	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		19 - 148	102%	SPK: 20

Raw Data: **PL094393.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1421
Lab Sample ID:	Q1421-02MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094393.D	1	02/25/25 09:03	02/25/25 14:44	PB166855

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: **PL094393.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:44
Operator : AR\AJ
Sample : Q1421-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:10:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	2.772	51986172	62219078	20.474	19.497
28) SA	Decachlor...	9.054	7.906	41339112	58515932	19.433	15.216
	Target Compounds						
2) A	alpha-BHC	3.993	3.274	189.9E6	248.0E6	50.200	50.456
3) MA	gamma-BHC...	4.326	3.604	178.9E6	231.8E6	48.421	49.221
4) MA	Heptachlor	4.914	3.942	169.6E6	249.2E6	50.012	52.785
5) MB	Aldrin	5.255	4.221	160.9E6	224.5E6	46.872	48.595
6) B	beta-BHC	4.525	3.903	80190857	103.1E6	50.217	51.824m
7) B	delta-BHC	4.771	4.132	178.5E6	231.7E6	50.461	48.934
8) B	Heptachlo...	5.682	4.724	143.1E6	211.9E6	47.488	49.795
9) A	Endosulfan I	6.068	5.093	131.8E6	201.9E6	47.945	50.655
10) B	gamma-Chl...	5.938	4.974	142.2E6	221.1E6	48.446	50.964
11) B	alpha-Chl...	6.017	5.037	141.8E6	218.4E6	48.949	50.584
12) B	4,4'-DDE	6.191	5.226	132.7E6	214.1E6	50.819	50.979
13) MA	Dieldrin	6.343	5.358	137.9E6	218.7E6	48.411	49.914
14) MA	Endrin	6.572	5.633	112.6E6	190.3E6	44.126m	55.889 #
15) B	Endosulfa...	6.793	5.928	114.7E6	193.7E6	45.567	51.808
16) A	4,4'-DDD	6.709	5.781	103.7E6	179.7E6	56.073	56.415
17) MA	4,4'-DDT	7.022	6.031	101.0E6	174.3E6	48.106	49.000
18) B	Endrin al...	6.923	6.107	90595668	146.9E6	46.536	46.466
19) B	Endosulfa...	7.158	6.330	108.9E6	180.7E6	48.107	48.934
20) A	Methoxychlor	7.499	6.606	53080735	86075060	47.776	44.118
21) B	Endrin ke...	7.643	6.835	119.8E6	205.9E6	47.789	48.254
22)	Mirex	8.116	7.015	88873245	147.9E6	43.073	42.406

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

Sample Results: **PL094393.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:44
Operator : AR\AJ
Sample : Q1421-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

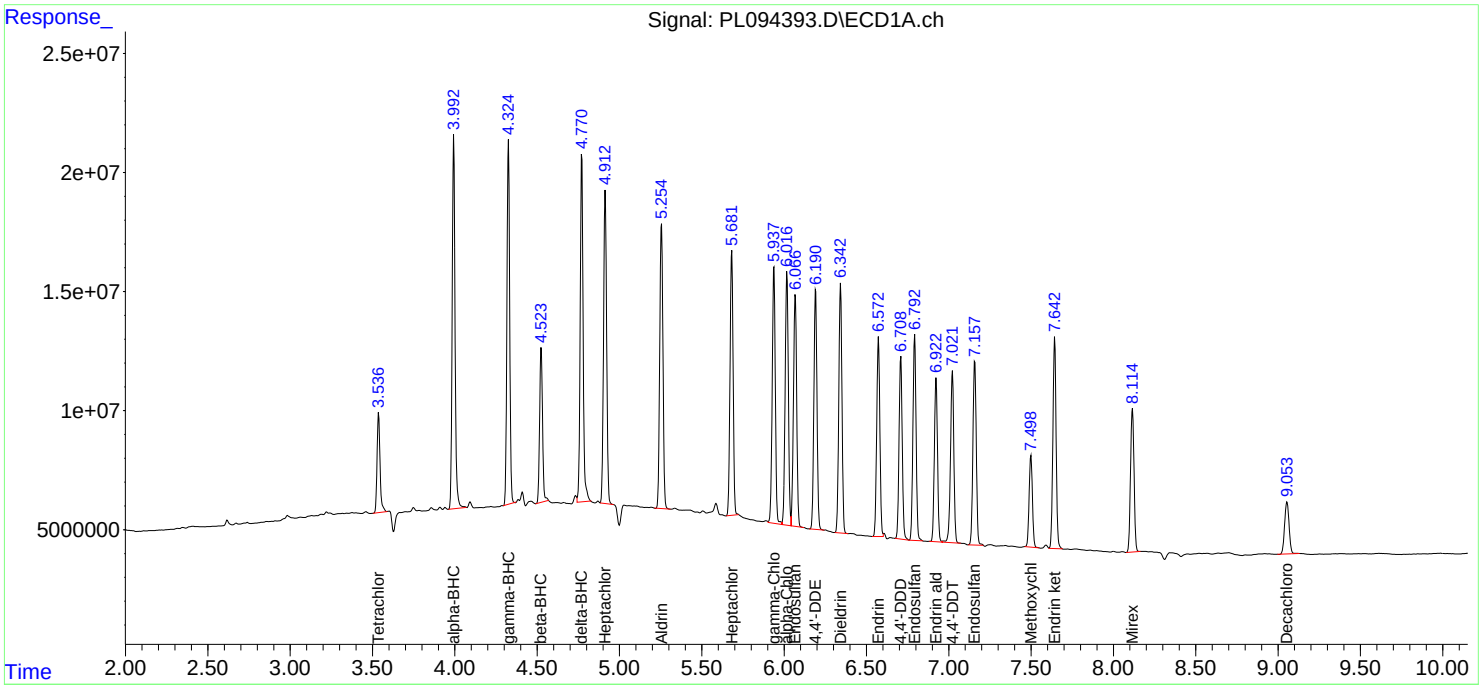
Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

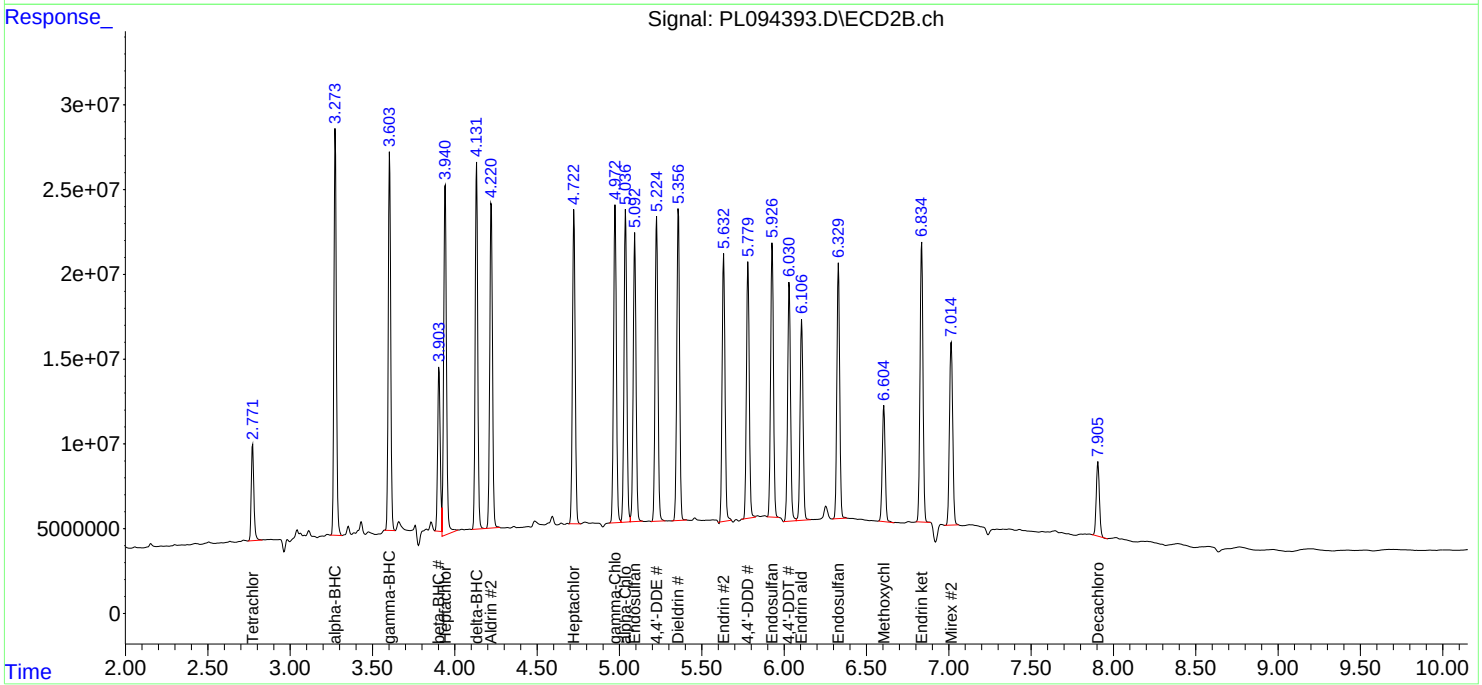
Manual Integrations APPROVED

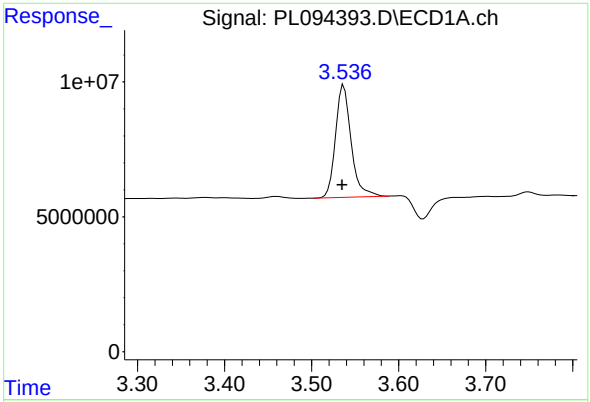
Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:10:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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: 51986172
Conc: 20.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

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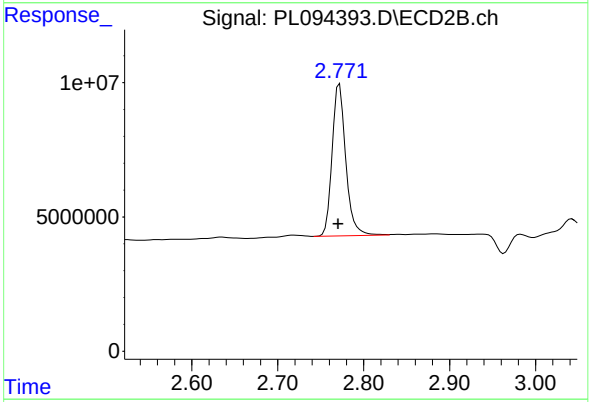
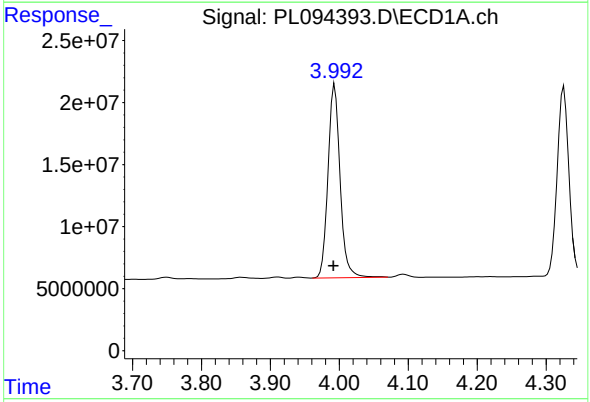


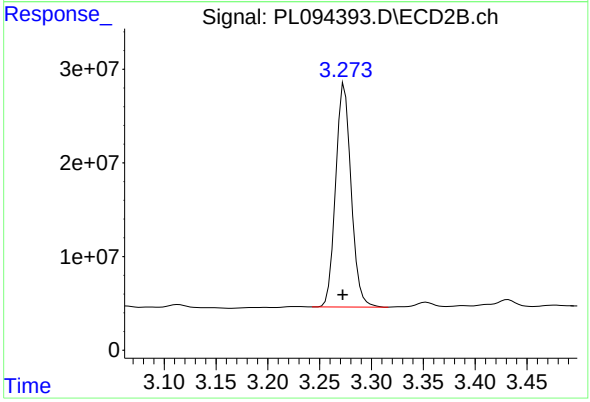
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.002 min
Response: 62219078
Conc: 19.50 ng/ml



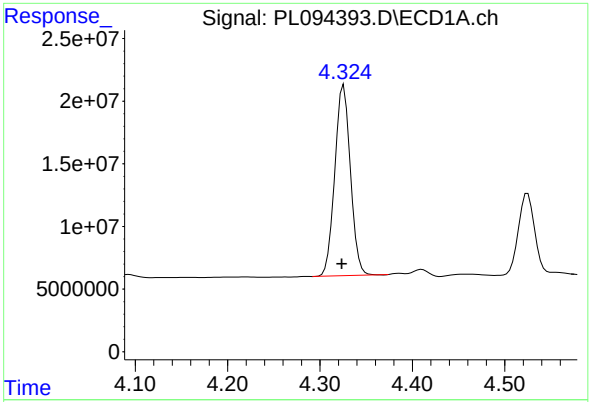
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.002 min
Response: 189890396
Conc: 50.20 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.002 min
Response: 247980585
Conc: 50.46 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.002 min
Response: 178901210
Conc: 48.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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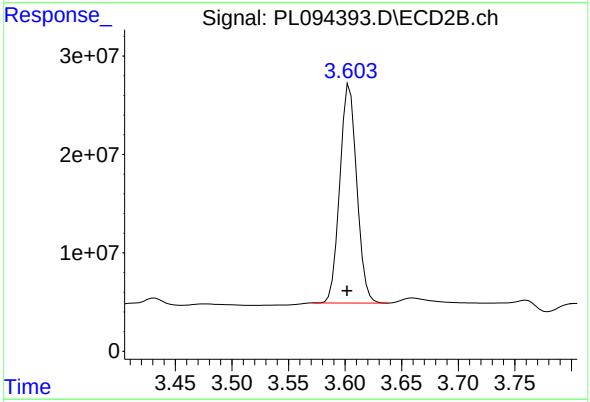
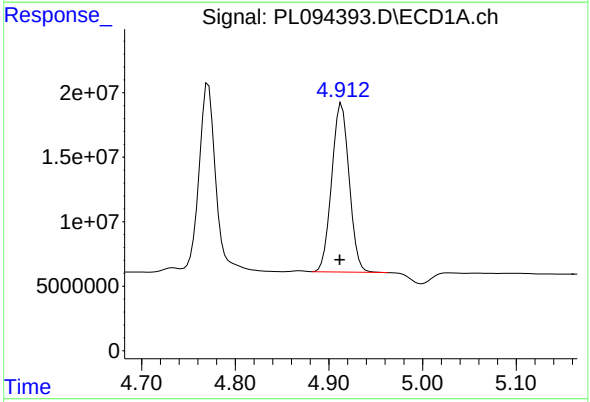


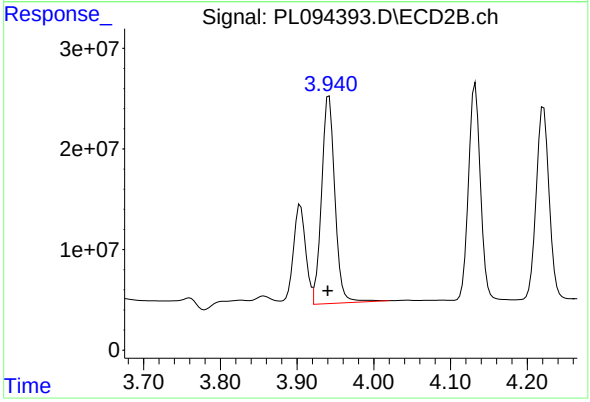
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 231828470
Conc: 49.22 ng/ml



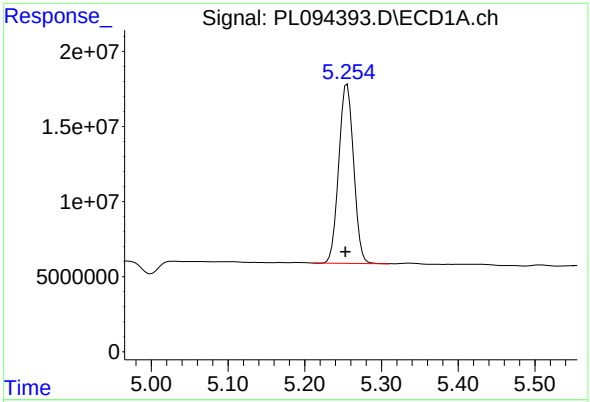
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.002 min
Response: 169556896
Conc: 50.01 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.002 min
Response: 249159863
Conc: 52.78 ng/ml



#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.002 min
Response: 160854029
Conc: 46.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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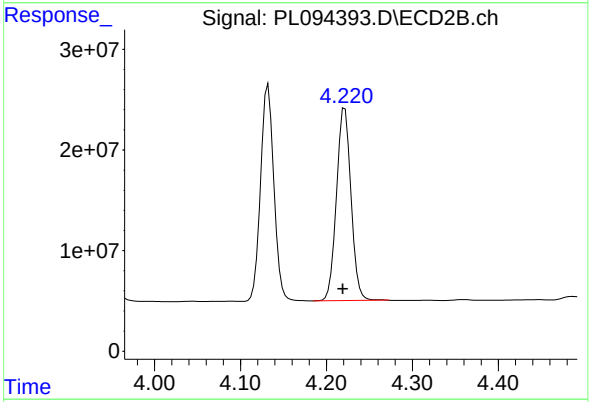
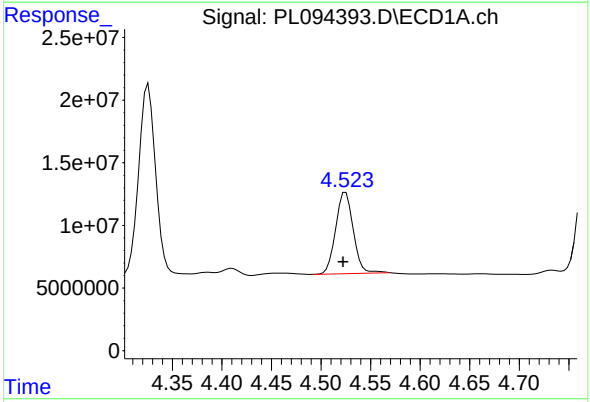


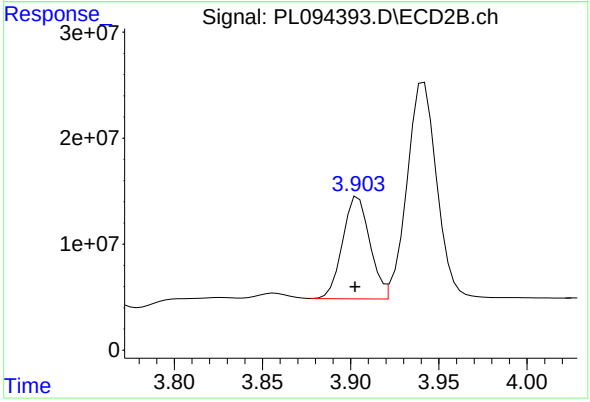
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.002 min
Response: 224525476
Conc: 48.59 ng/ml



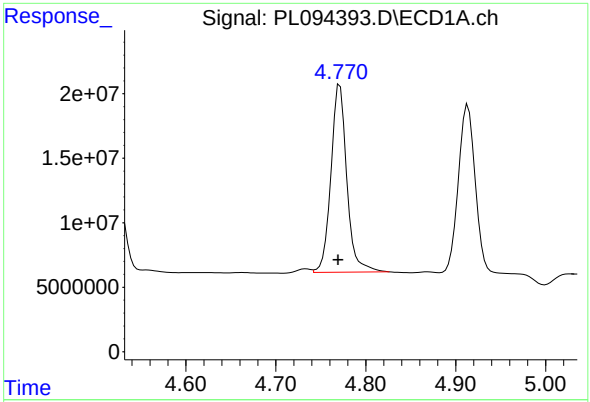
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 80190857
Conc: 50.22 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 103074686
Conc: 51.82 ng/ml m



#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.002 min
Response: 178545692
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
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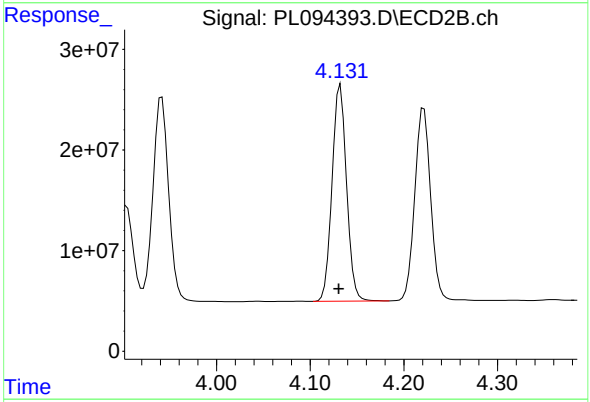
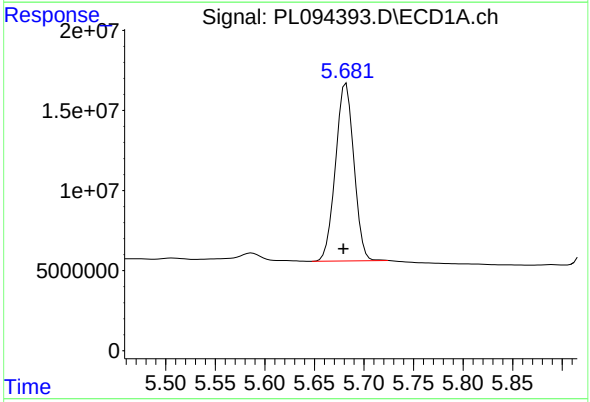


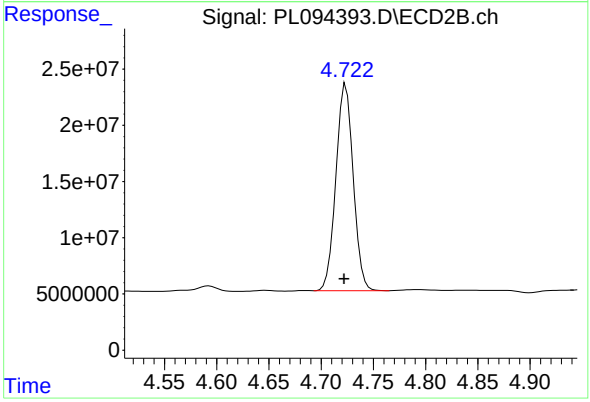
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.002 min
Response: 231738489
Conc: 48.93 ng/ml



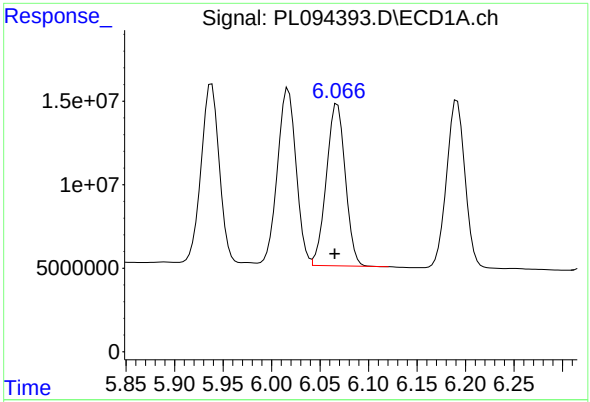
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.003 min
Response: 143098856
Conc: 47.49 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.002 min
Response: 211894683
Conc: 49.79 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.003 min
Response: 131781950
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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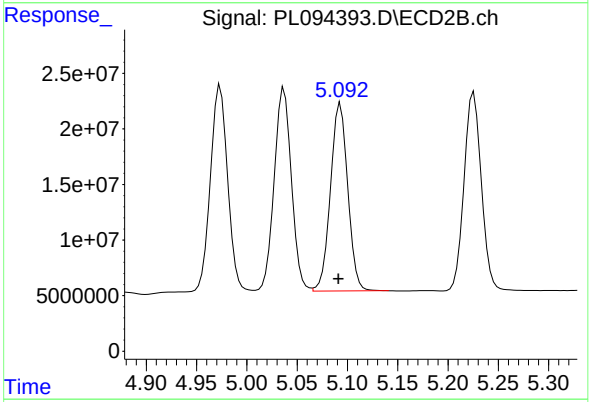
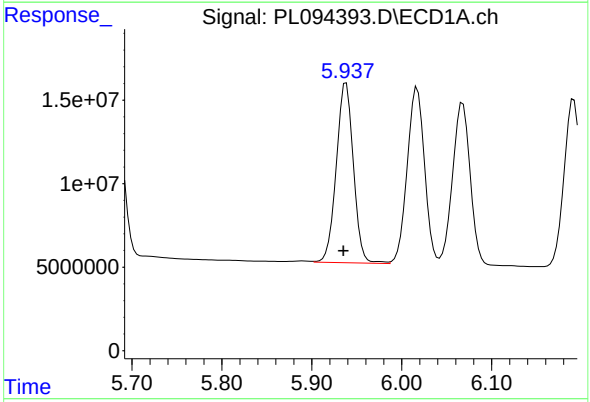


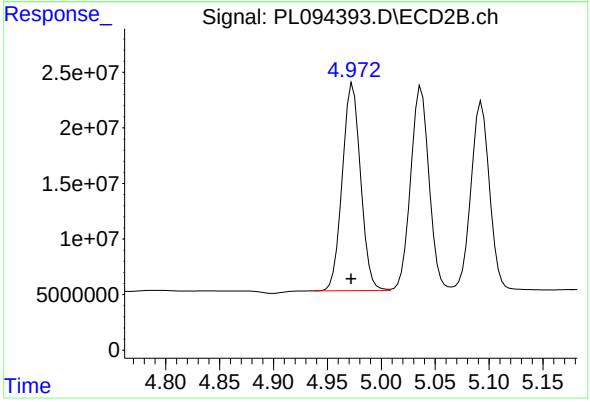
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.002 min
Response: 201940879
Conc: 50.66 ng/ml



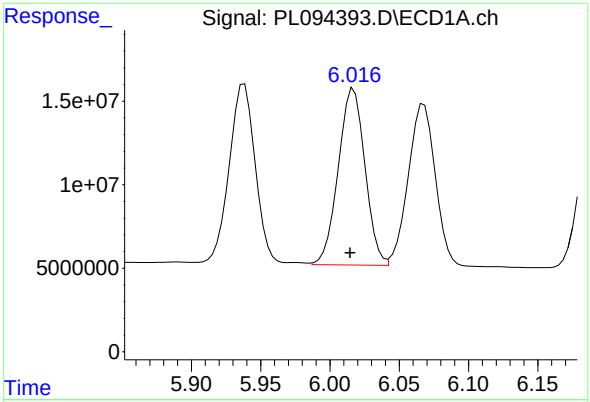
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.003 min
Response: 142244625
Conc: 48.45 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.002 min
Response: 221124665
Conc: 50.96 ng/ml



#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.003 min
Response: 141810239
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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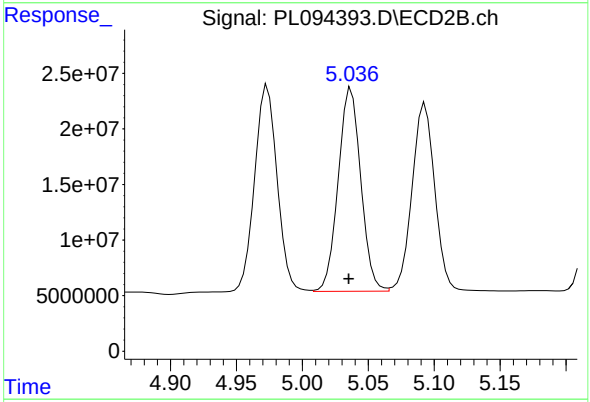
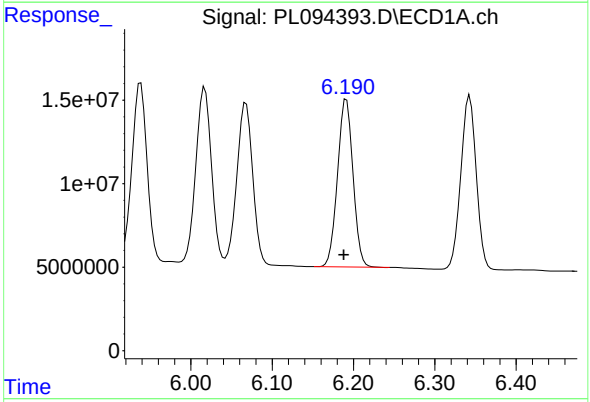


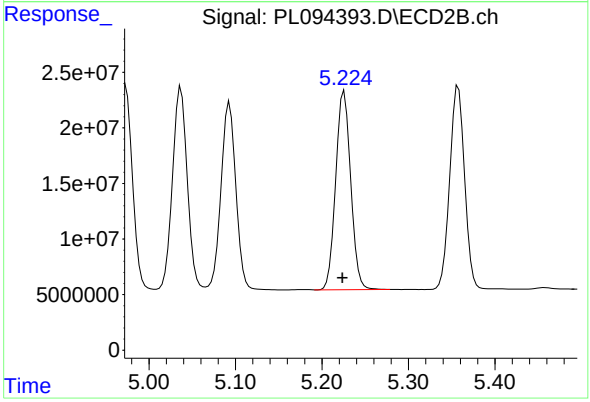
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.002 min
Response: 218399912
Conc: 50.58 ng/ml



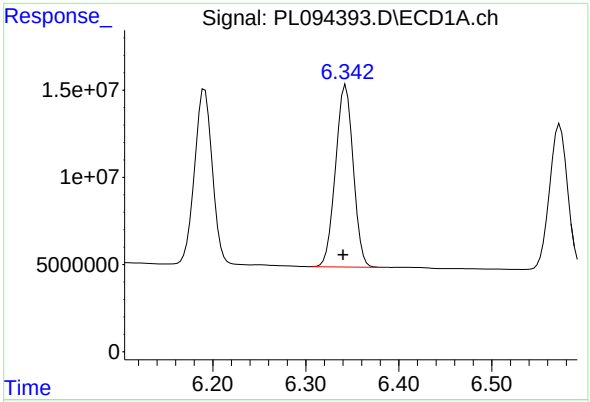
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.003 min
Response: 132723941
Conc: 50.82 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.002 min
Response: 214110677
Conc: 50.98 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.003 min
Response: 137925127
Conc: 48.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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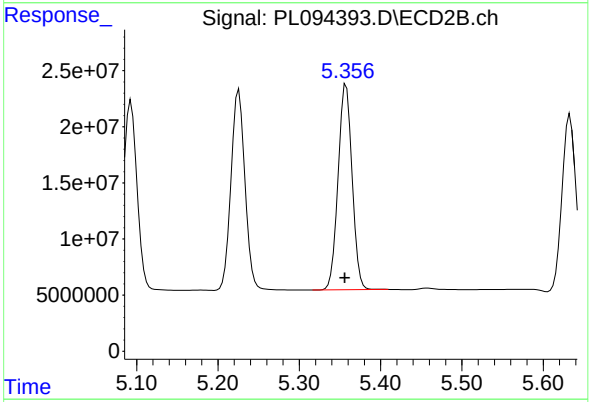
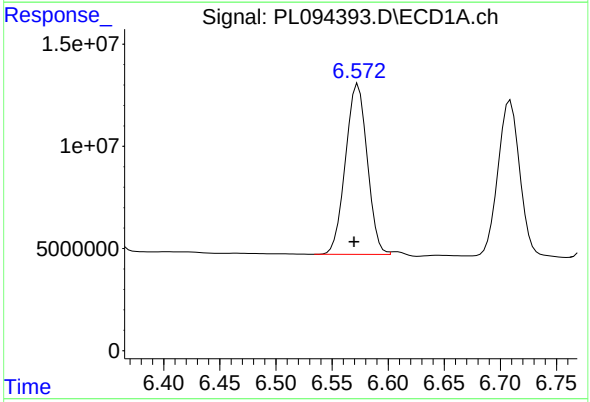


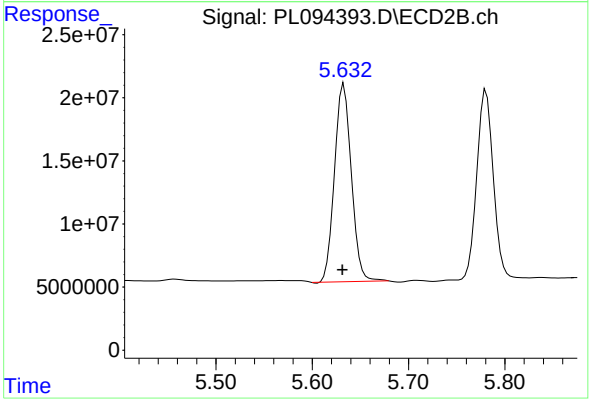
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.002 min
Response: 218711118
Conc: 49.91 ng/ml



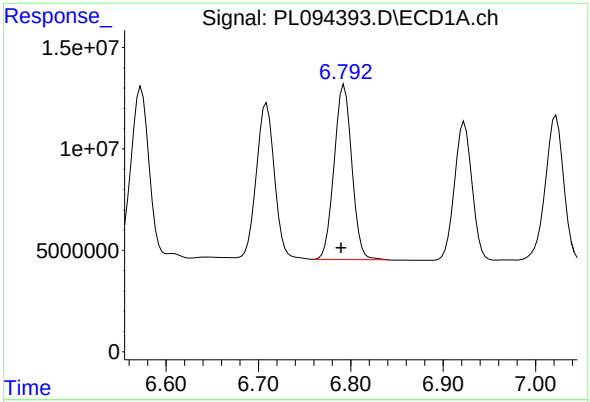
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.002 min
Response: 112621789
Conc: 44.13 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.002 min
Response: 190286394
Conc: 55.89 ng/ml



#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.003 min
Response: 114704501
Conc: 45.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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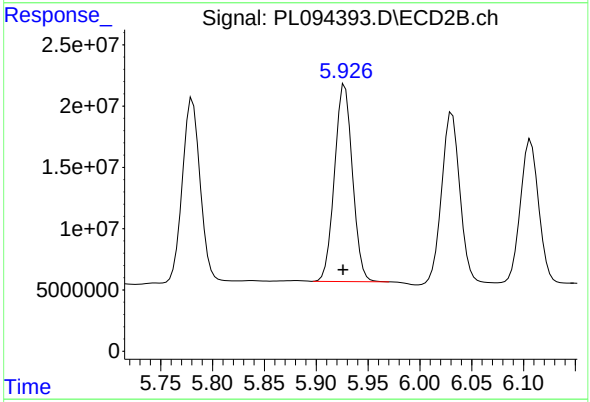
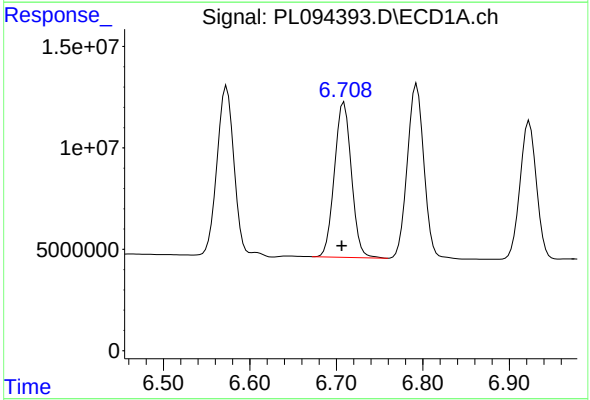


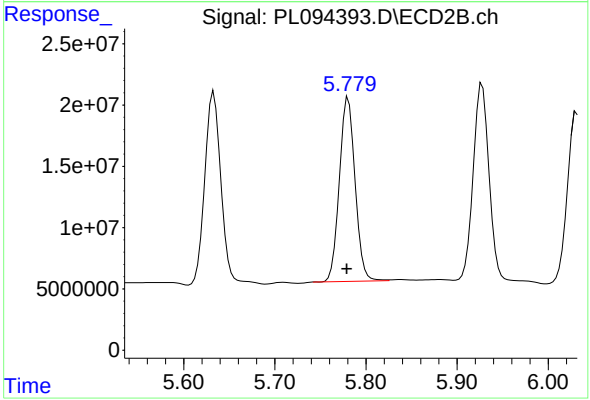
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.001 min
Response: 193738489
Conc: 51.81 ng/ml



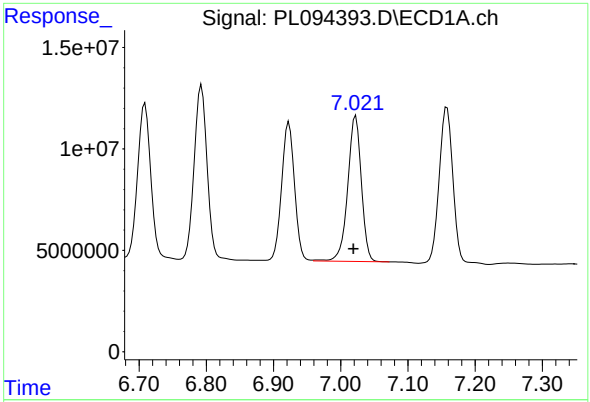
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 103721267
Conc: 56.07 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.002 min
Response: 179698259
Conc: 56.41 ng/ml



#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.003 min
Response: 101023255
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

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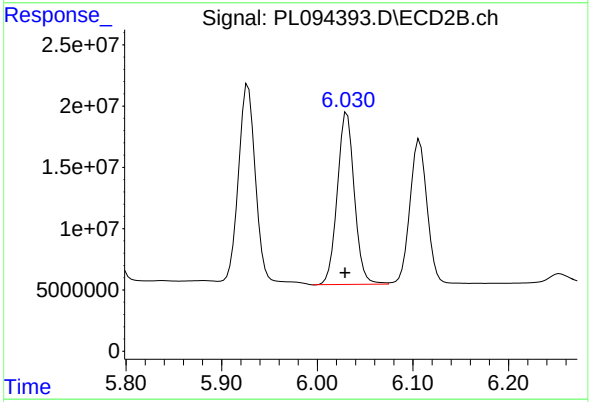
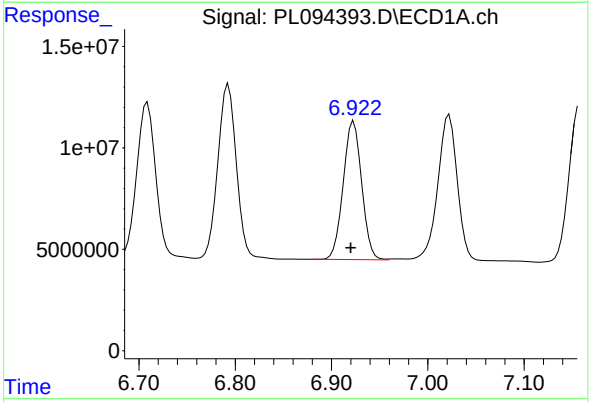


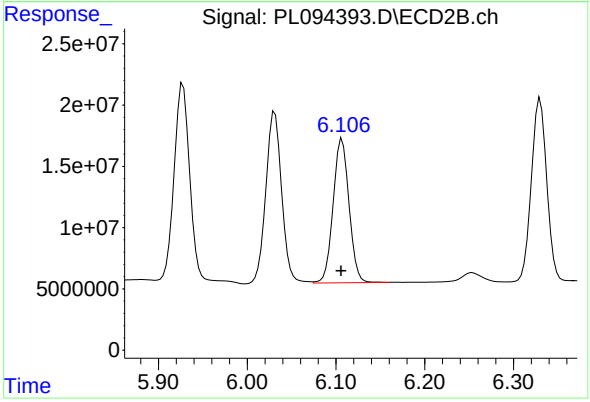
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 174292221
Conc: 49.00 ng/ml



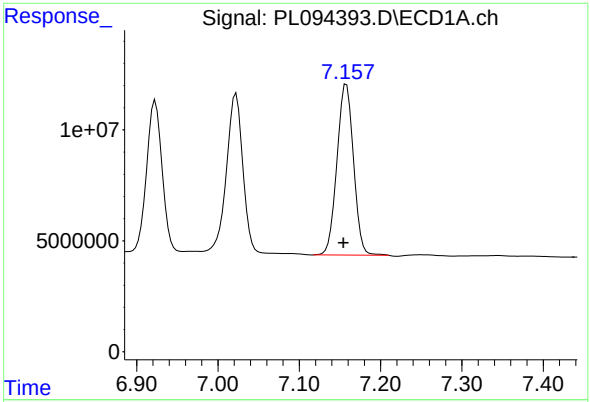
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.003 min
Response: 90595668
Conc: 46.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: 0.001 min
Response: 146852890
Conc: 46.47 ng/ml



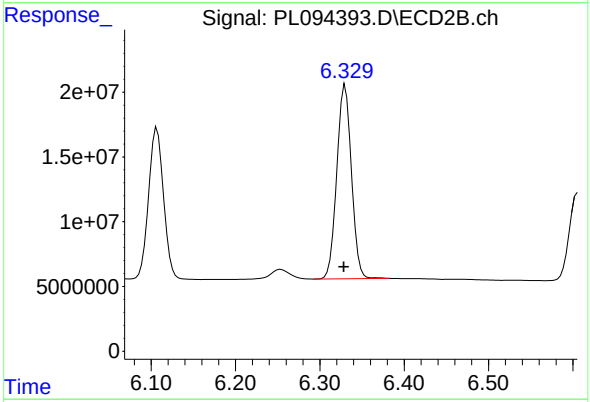
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.004 min
Response: 108907024
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

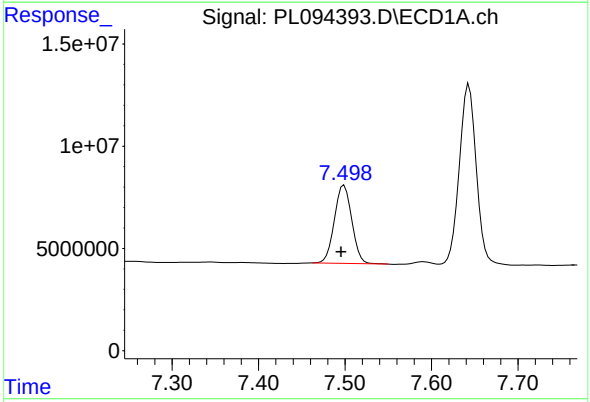
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



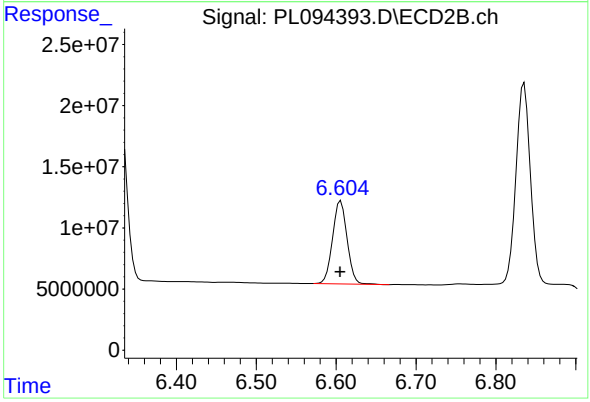
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.002 min
Response: 180745201
Conc: 48.93 ng/ml



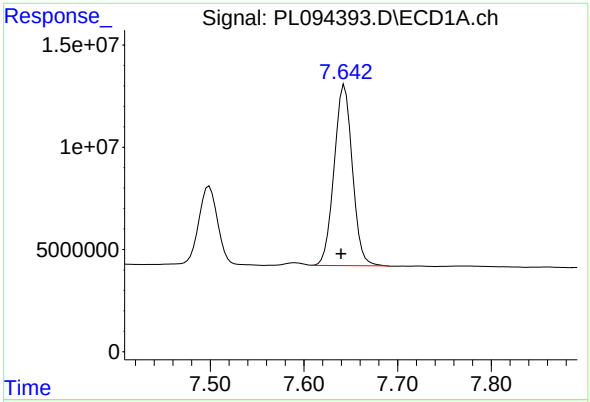
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.003 min
Response: 53080735
Conc: 47.78 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 86075060
Conc: 44.12 ng/ml



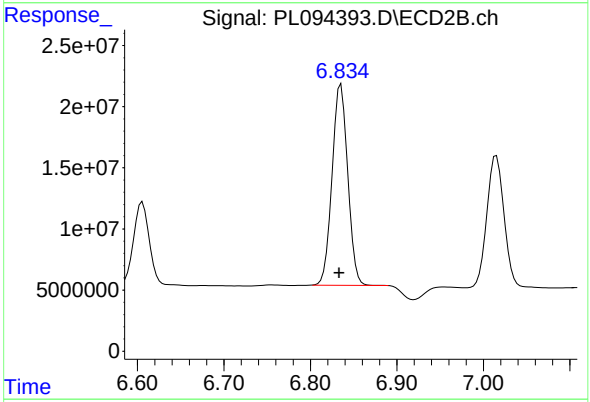
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.004 min
Response: 119803068
Conc: 47.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

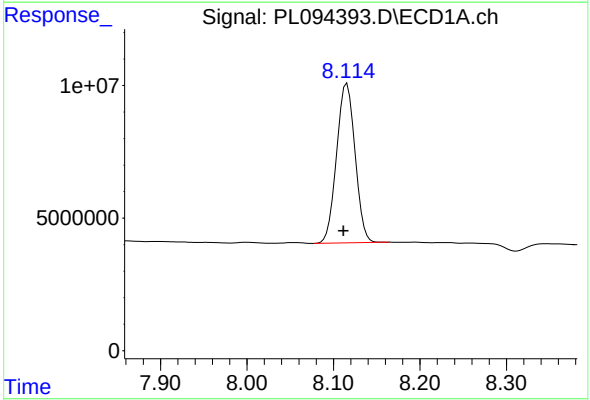
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



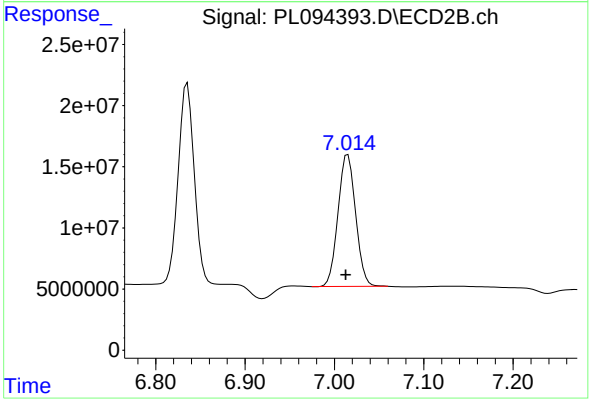
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.002 min
Response: 205925608
Conc: 48.25 ng/ml



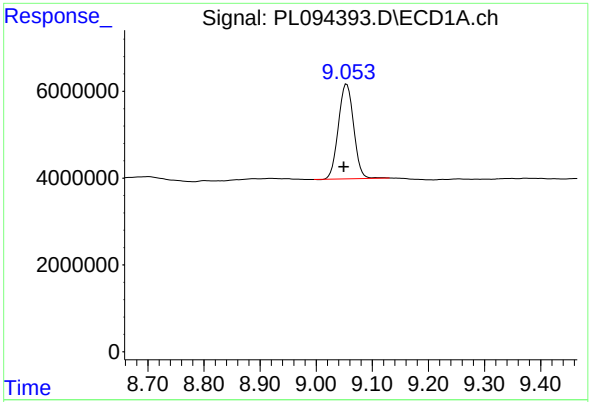
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.004 min
Response: 88873245
Conc: 43.07 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.002 min
Response: 147870859
Conc: 42.41 ng/ml



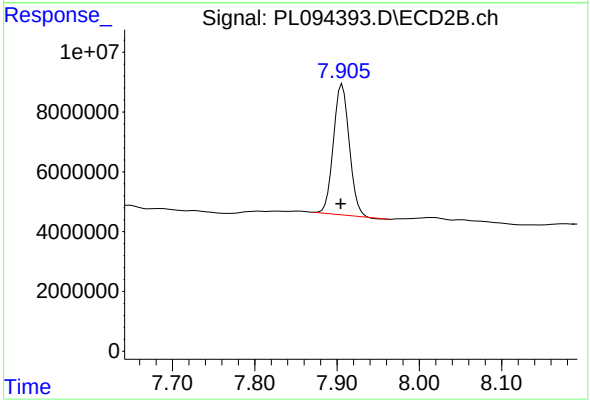
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.006 min
Response: 41339112
Conc: 19.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.002 min
Response: 58515932
Conc: 15.22 ng/ml

Raw Data: **PL094394.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094394.D	1	02/25/25 09:03	02/25/25 14:58	PB166855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	24.0		0.26	2.40	ug/kg
319-85-7	beta-BHC	25.5		0.70	2.40	ug/kg
319-86-8	delta-BHC	23.6		0.67	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	23.6		0.27	2.40	ug/kg
76-44-8	Heptachlor	24.0		0.24	2.40	ug/kg
309-00-2	Aldrin	23.4		0.20	2.40	ug/kg
1024-57-3	Heptachlor epoxide	23.8		0.33	2.40	ug/kg
959-98-8	Endosulfan I	24.3		0.24	2.40	ug/kg
60-57-1	Dieldrin	24.1		0.21	2.40	ug/kg
72-55-9	4,4-DDE	24.7		0.18	2.40	ug/kg
72-20-8	Endrin	27.2		0.23	2.40	ug/kg
33213-65-9	Endosulfan II	24.6		0.43	2.40	ug/kg
72-54-8	4,4-DDD	27.2		0.27	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	23.6		0.18	2.40	ug/kg
50-29-3	4,4-DDT	24.0		0.24	2.40	ug/kg
72-43-5	Methoxychlor	22.6		0.54	2.40	ug/kg
53494-70-5	Endrin ketone	23.8		0.31	2.40	ug/kg
7421-93-4	Endrin aldehyde	23.2		0.55	2.40	ug/kg
5103-71-9	alpha-Chlordane	24.3		0.24	2.40	ug/kg
5103-74-2	gamma-Chlordane	24.5		0.27	2.40	ug/kg
8001-35-2	Toxaphene	7.40	U	7.40	46.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Raw Data: **PL094394.D**

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	70.3 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
PL094394.D	1	02/25/25 09:03	02/25/25 14:58	PB166855

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: **PL094394.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1421-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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	54877366	62527527	21.613m	19.594
28)	SA Decachlor...	9.052	7.906	40965032	57986575	19.257	15.079
	Target Compounds						
2)	A alpha-BHC	3.993	3.274	188.9E6	248.7E6	49.942	50.595
3)	MA gamma-BHC...	4.326	3.604	178.2E6	234.4E6	48.228	49.769
4)	MA Heptachlor	4.914	3.940	168.5E6	239.4E6	49.713	50.712m
5)	MB Aldrin	5.255	4.221	161.5E6	228.0E6	47.048	49.357
6)	B beta-BHC	4.524	3.902	80604881	107.1E6	50.476	53.863m
7)	B delta-BHC	4.771	4.132	176.7E6	236.0E6	49.931	49.841
8)	B Heptachlo...	5.681	4.723	146.1E6	213.7E6	48.477	50.222
9)	A Endosulfan I	6.067	5.093	132.2E6	204.7E6	48.102	51.349
10)	B gamma-Chl...	5.938	4.973	143.7E6	224.4E6	48.925	51.709
11)	B alpha-Chl...	6.016	5.037	143.0E6	221.5E6	49.355	51.295
12)	B 4,4'-DDE	6.190	5.226	133.6E6	219.1E6	51.169	52.163
13)	MA Dieldrin	6.342	5.357	139.9E6	222.9E6	49.098	50.876
14)	MA Endrin	6.570	5.633	114.5E6	195.5E6	44.859m	57.427 #
15)	B Endosulfa...	6.792	5.928	117.7E6	194.6E6	46.748	52.036
16)	A 4,4'-DDD	6.708	5.780	106.4E6	178.1E6	57.519	55.898
17)	MA 4,4'-DDT	7.021	6.031	102.0E6	180.6E6	48.557	50.759
18)	B Endrin al...	6.922	6.107	92548811	154.7E6	47.539	48.948
19)	B Endosulfa...	7.157	6.330	109.9E6	184.3E6	48.539	49.904
20)	A Methoxychlor	7.498	6.606	52929961	87680956	47.640	44.941
21)	B Endrin ke...	7.642	6.836	122.4E6	214.7E6	48.842	50.320
22)	Mirex	8.114	7.015	88945255	150.6E6	43.108	43.175

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

Sample Results: **PL094394.D**

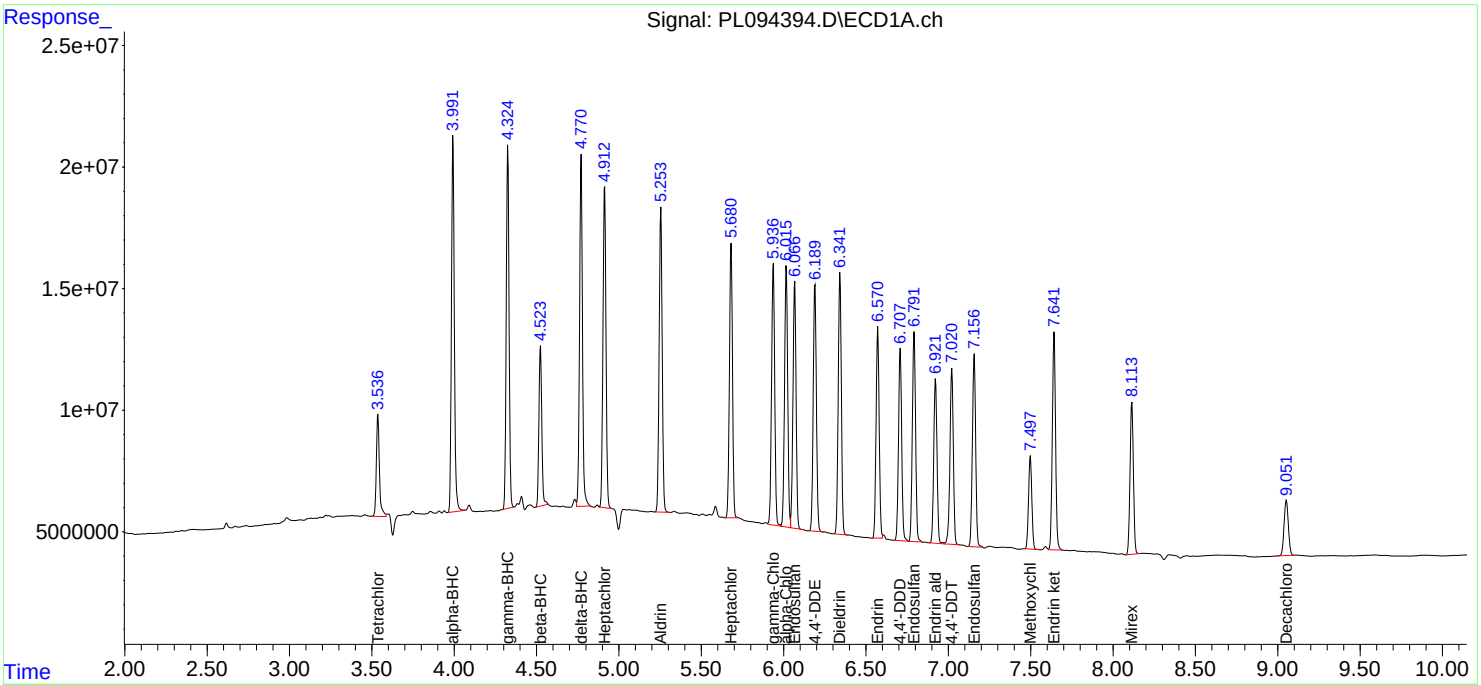
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022525\
Data File : PL094394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1421-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

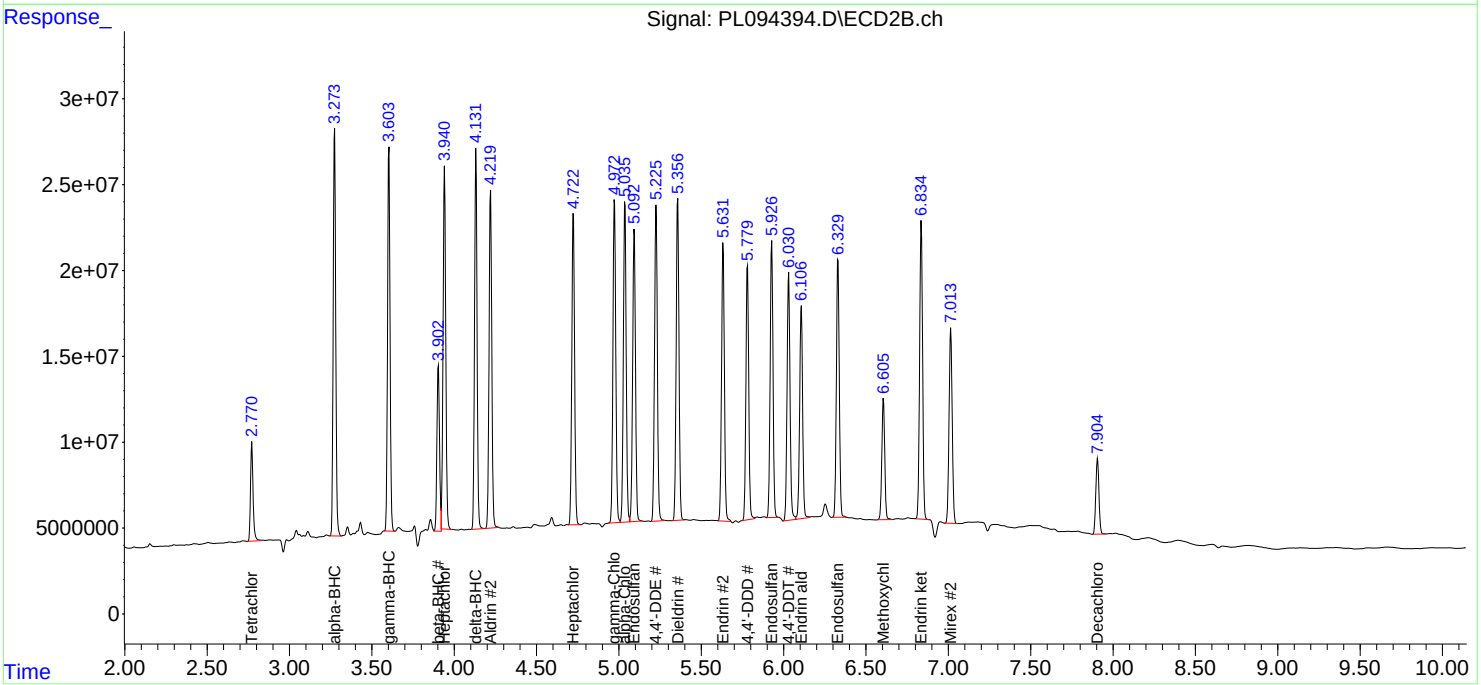
Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

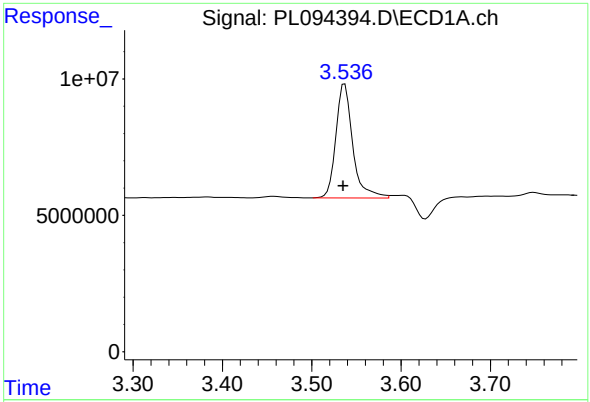
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 00:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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







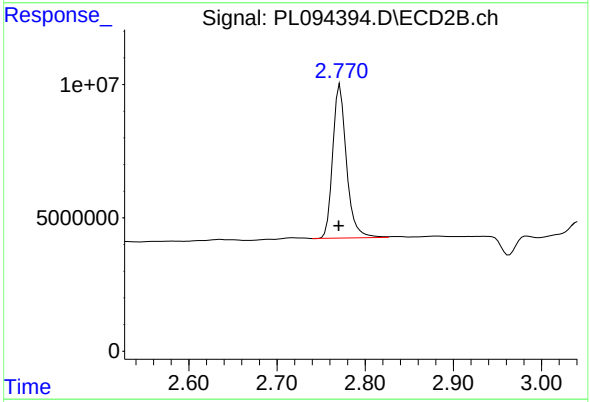
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 54877366
Conc: 21.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

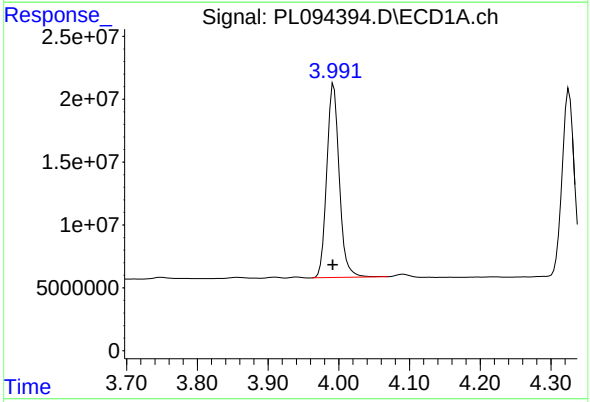
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



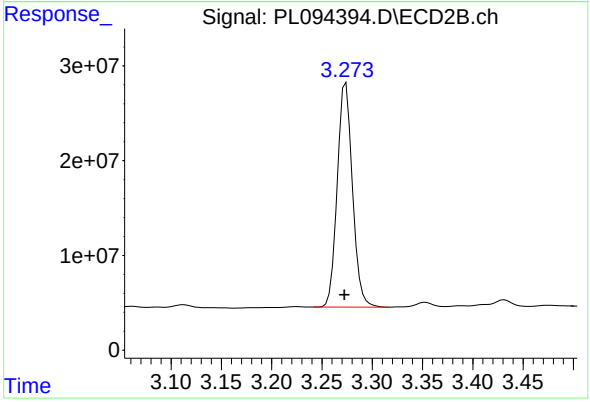
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 62527527
Conc: 19.59 ng/ml



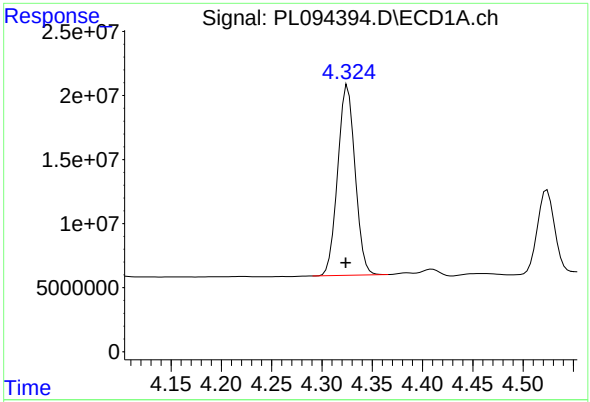
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.002 min
Response: 188915177
Conc: 49.94 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.002 min
Response: 248662964
Conc: 50.59 ng/ml



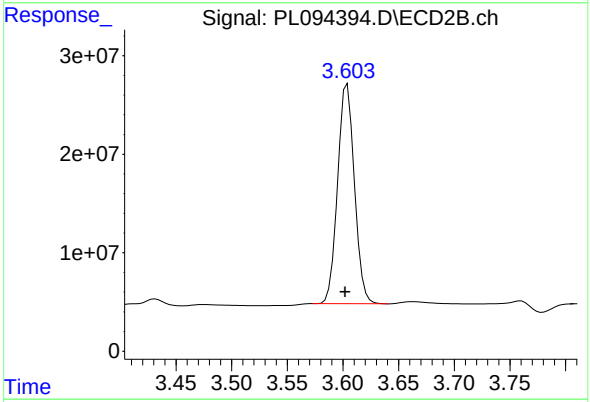
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.002 min
Response: 178188925
Conc: 48.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

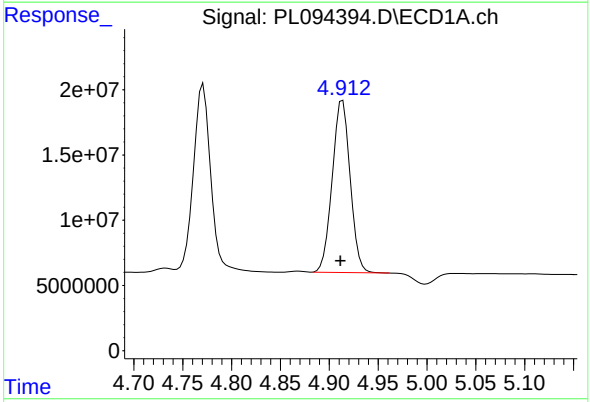
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



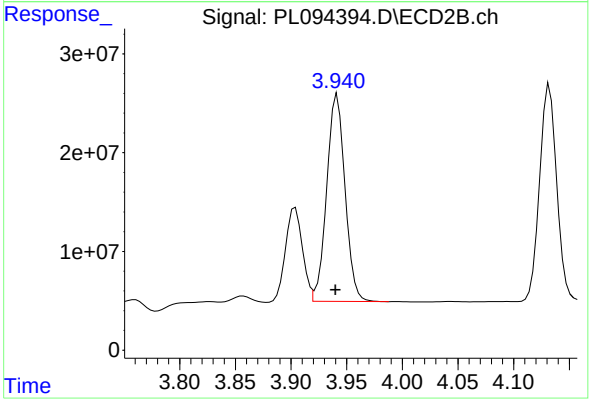
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 234408056
Conc: 49.77 ng/ml



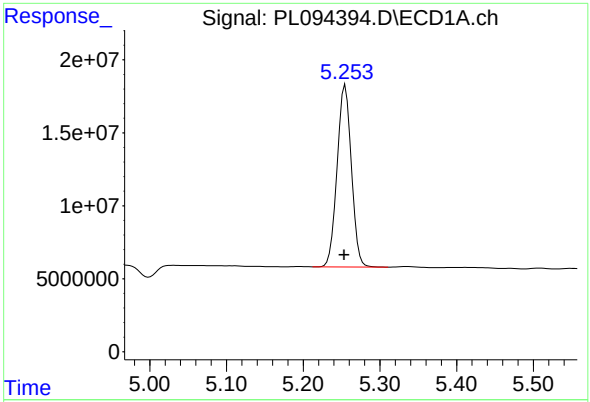
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.002 min
Response: 168545992
Conc: 49.71 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: 0.000 min
Response: 239377823
Conc: 50.71 ng/ml m



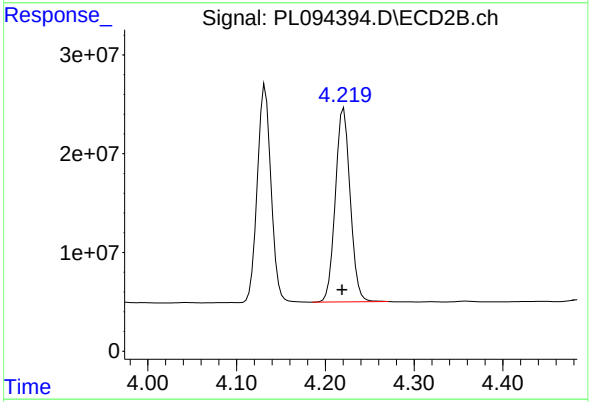
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.002 min
Response: 161458120
Conc: 47.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

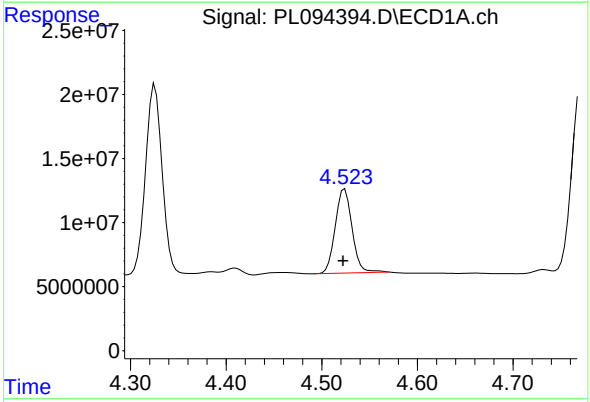
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



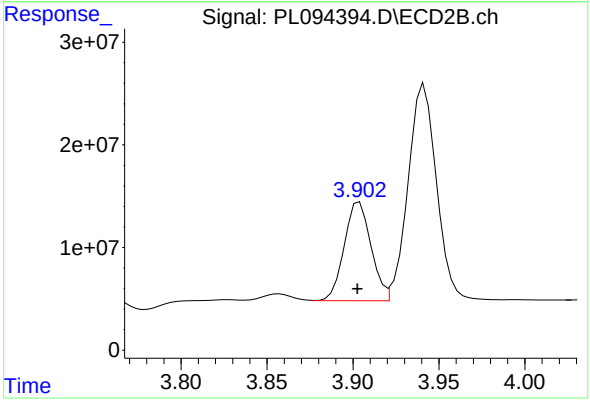
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.002 min
Response: 228048974
Conc: 49.36 ng/ml



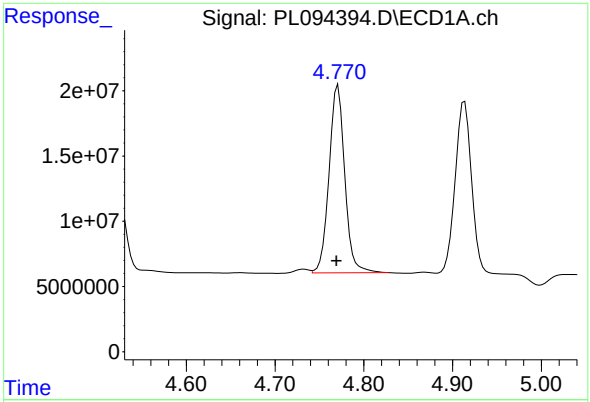
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.002 min
Response: 80604881
Conc: 50.48 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 107129616
Conc: 53.86 ng/ml m



#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.002 min
Response: 176669897
Conc: 49.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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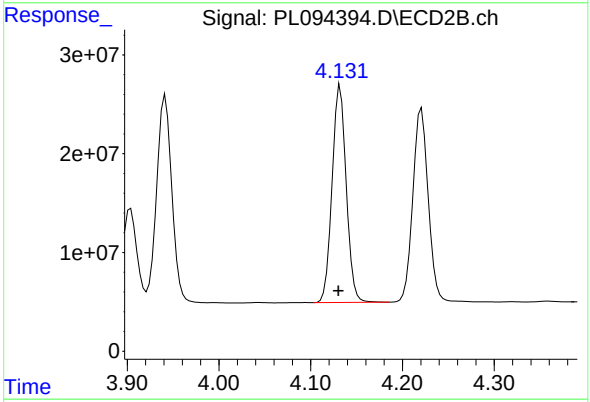
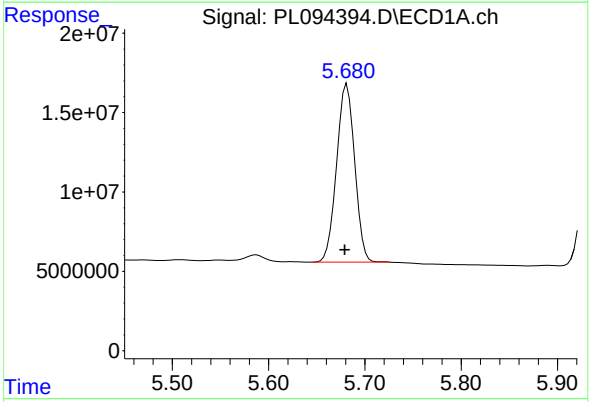


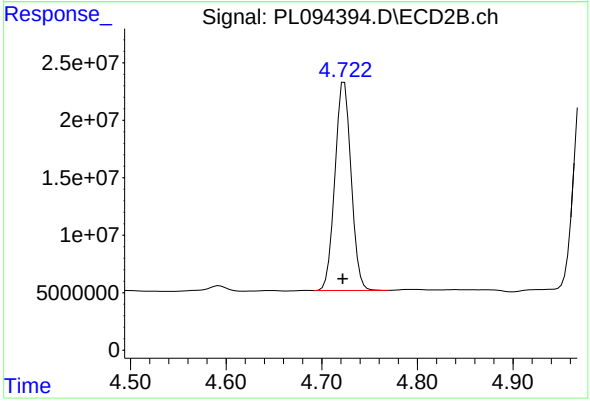
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.002 min
Response: 236031941
Conc: 49.84 ng/ml



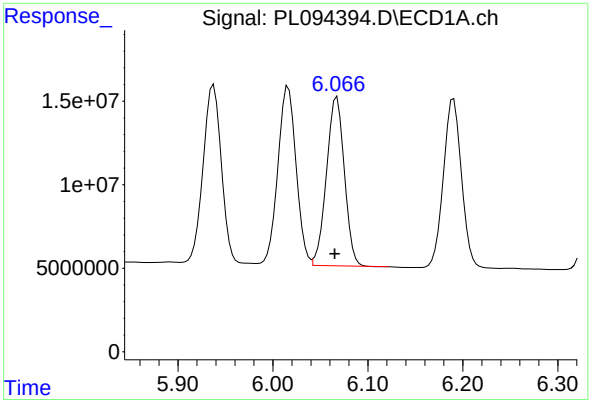
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.002 min
Response: 146080803
Conc: 48.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: 0.002 min
Response: 213712380
Conc: 50.22 ng/ml



#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.002 min
Response: 132214031
Conc: 48.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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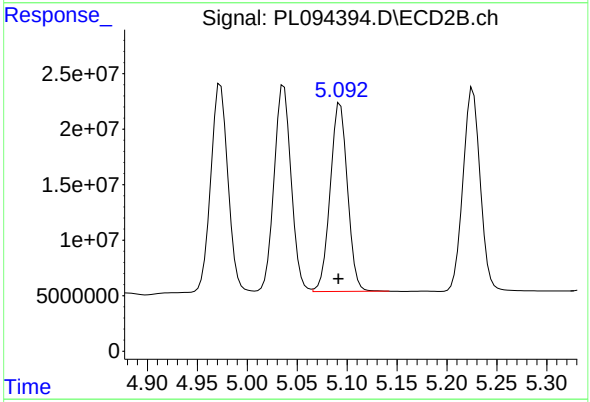
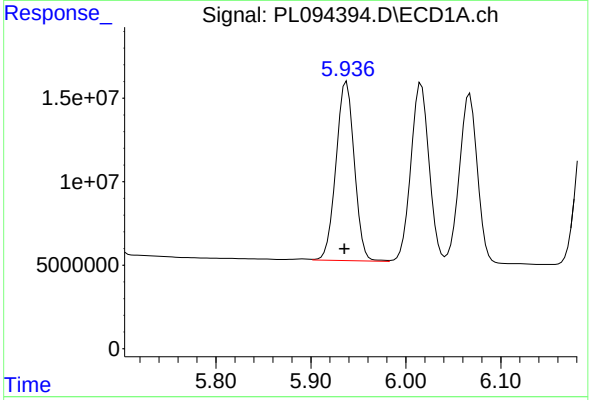


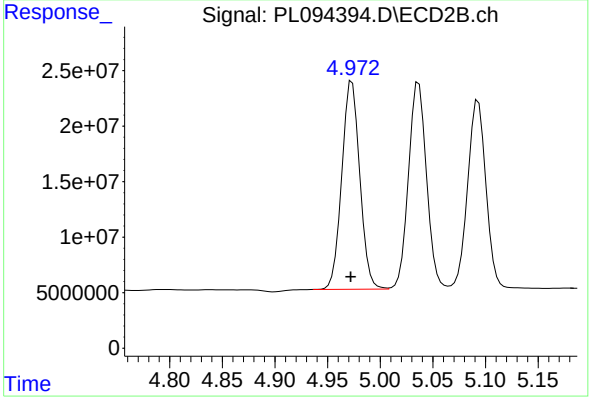
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.002 min
Response: 204706386
Conc: 51.35 ng/ml



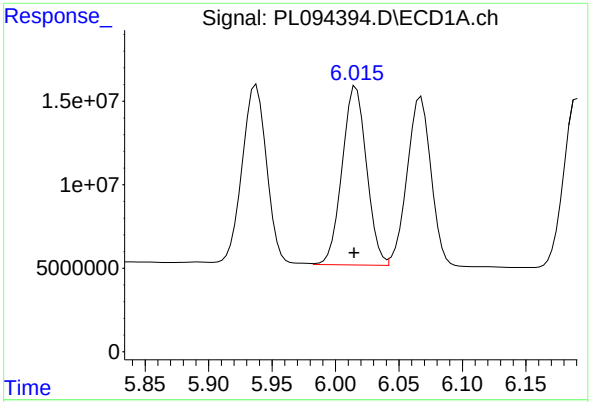
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 143650105
Conc: 48.92 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: 0.001 min
Response: 224358180
Conc: 51.71 ng/ml



#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: 0.002 min
Response: 142984695
Conc: 49.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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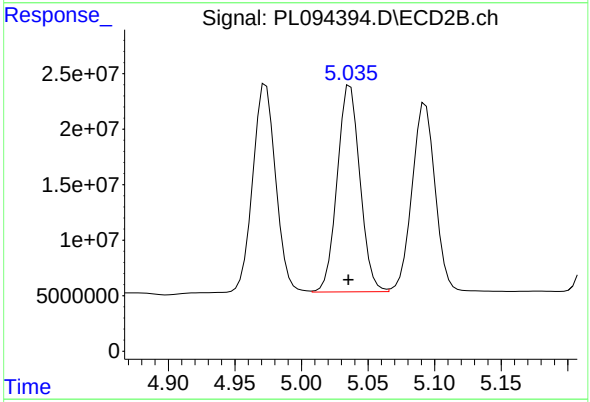
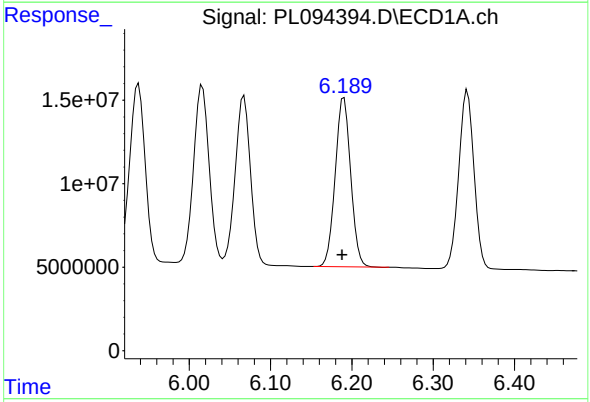


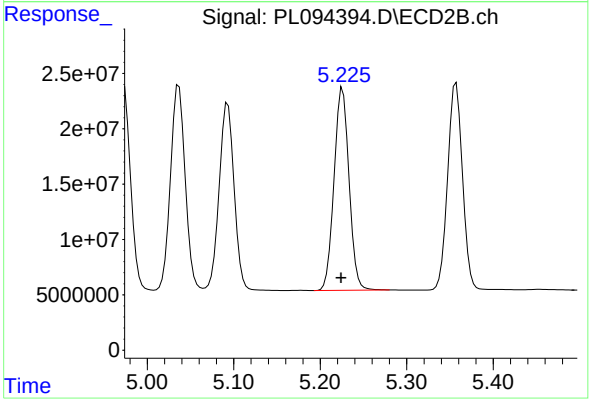
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.001 min
Response: 221471015
Conc: 51.29 ng/ml



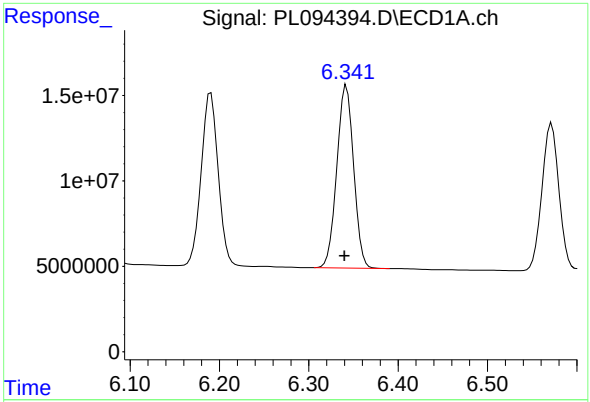
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.002 min
Response: 133637961
Conc: 51.17 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.002 min
Response: 219084142
Conc: 52.16 ng/ml



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.002 min
Response: 139881696
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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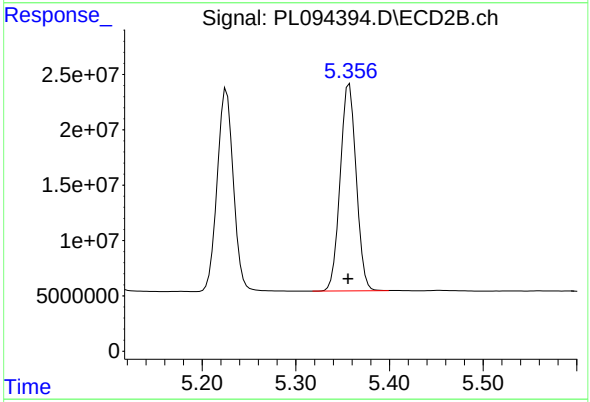
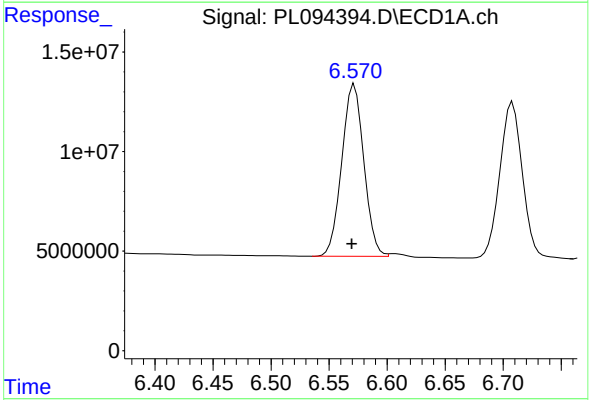


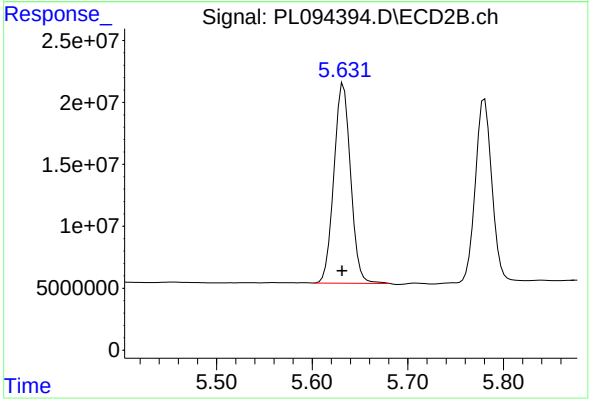
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.002 min
Response: 222927982
Conc: 50.88 ng/ml



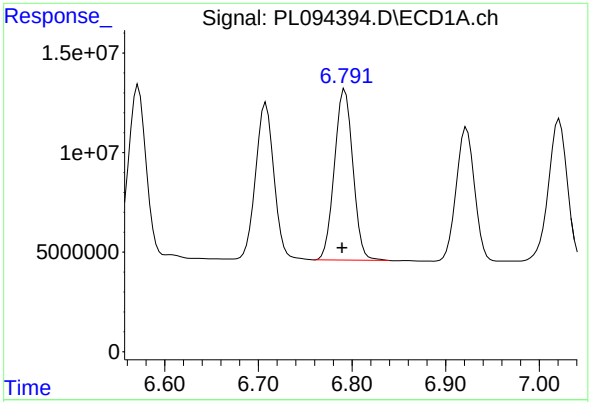
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 114493473
Conc: 44.86 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.001 min
Response: 195521355
Conc: 57.43 ng/ml



#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.003 min
Response: 117676507
Conc: 46.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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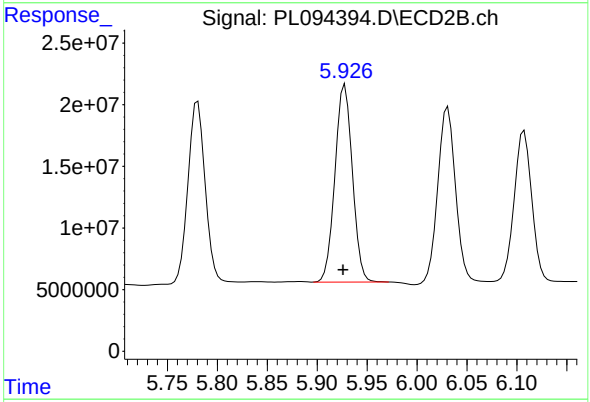
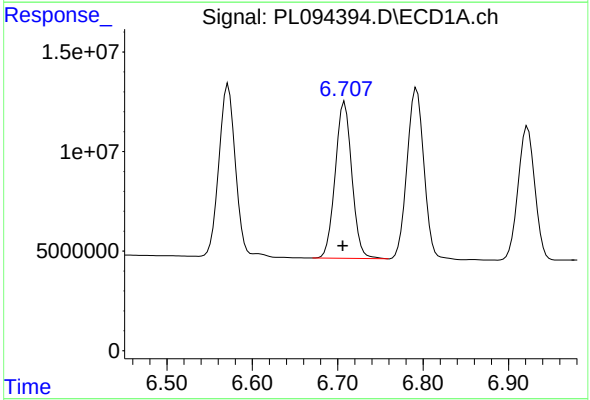


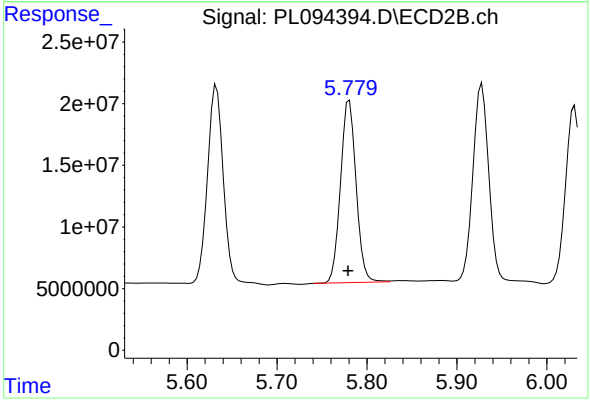
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.002 min
Response: 194589606
Conc: 52.04 ng/ml



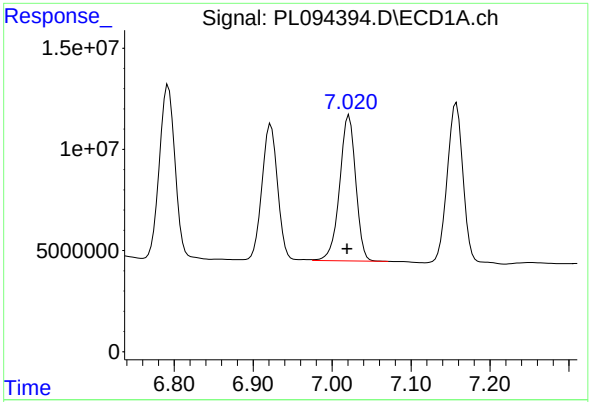
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.002 min
Response: 106395360
Conc: 57.52 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: 0.002 min
Response: 178052211
Conc: 55.90 ng/ml



#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.002 min
Response: 101971699
Conc: 48.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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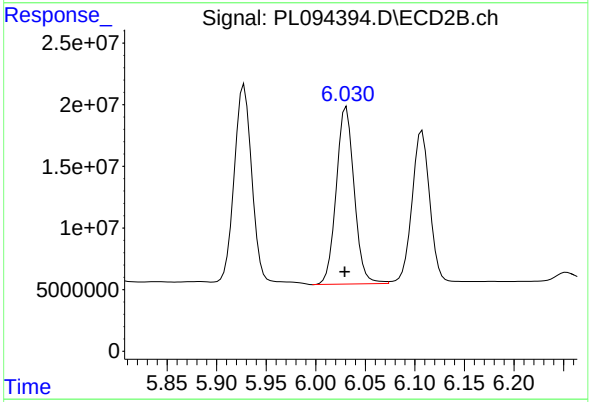
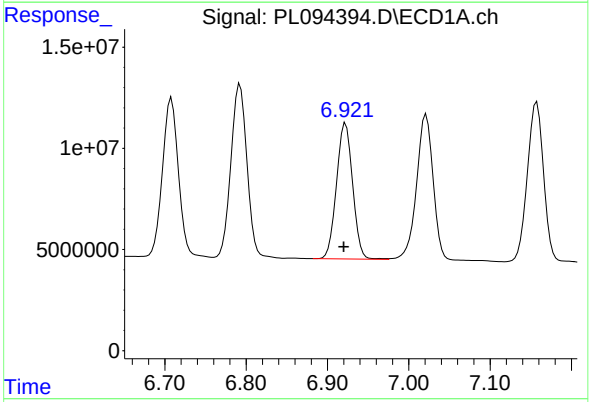


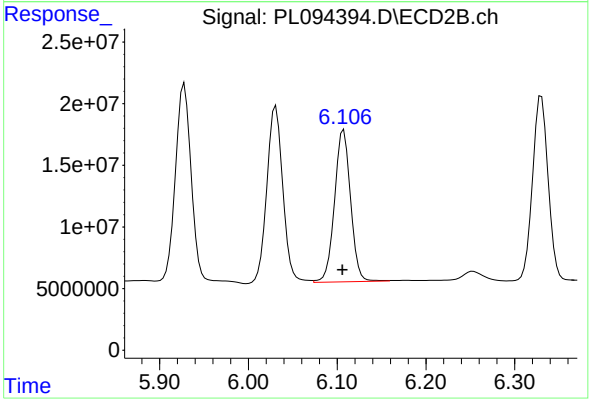
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 180551647
Conc: 50.76 ng/ml



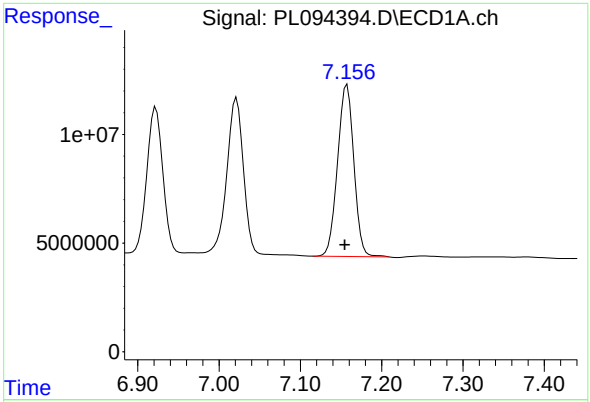
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.002 min
Response: 92548811
Conc: 47.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: 0.002 min
Response: 154697391
Conc: 48.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.003 min
Response: 109884324
Conc: 48.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
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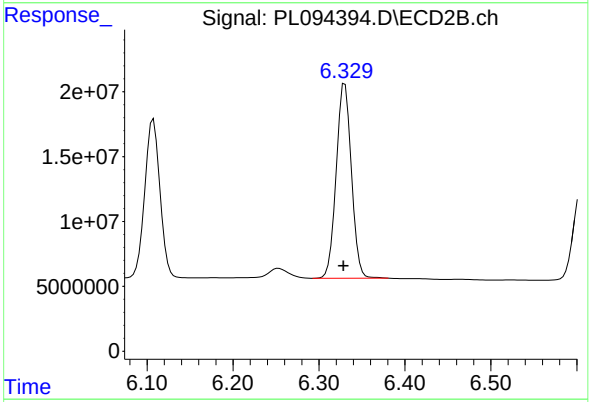
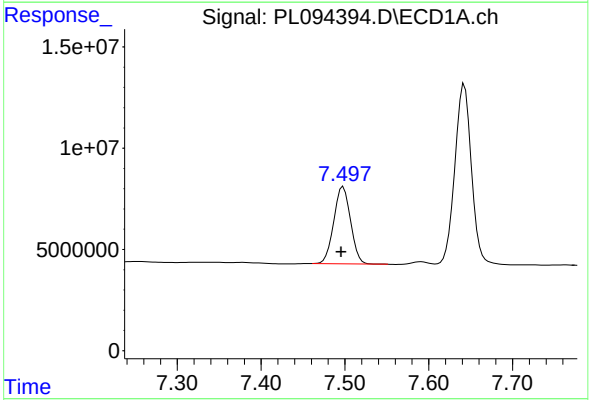


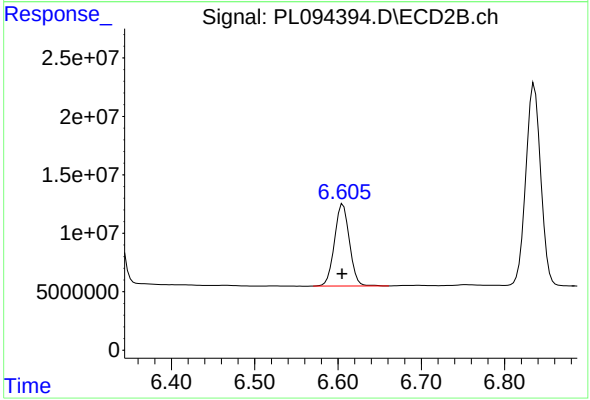
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.002 min
Response: 184329129
Conc: 49.90 ng/ml



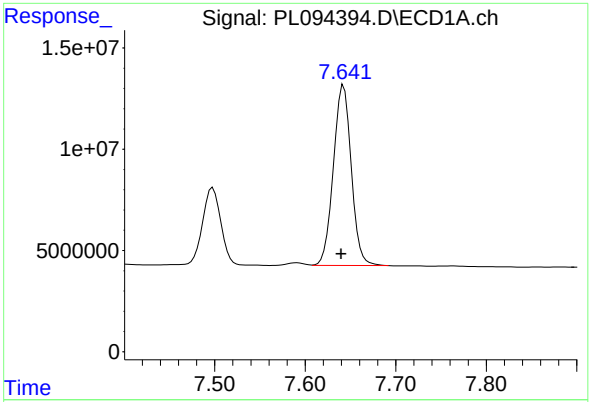
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.002 min
Response: 52929961
Conc: 47.64 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.001 min
Response: 87680956
Conc: 44.94 ng/ml



#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.003 min
Response: 122441966
Conc: 48.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
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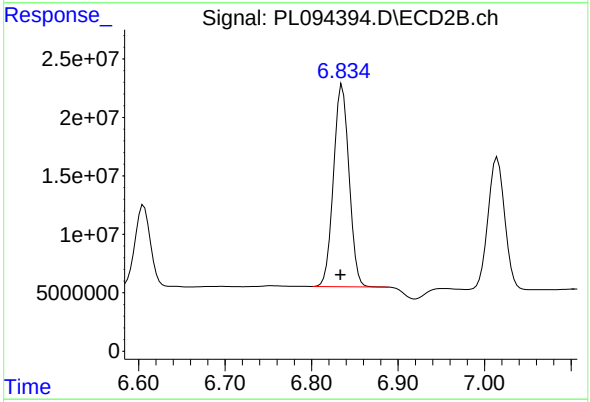
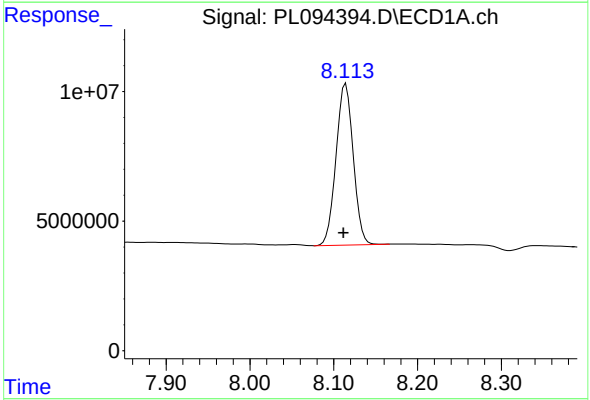


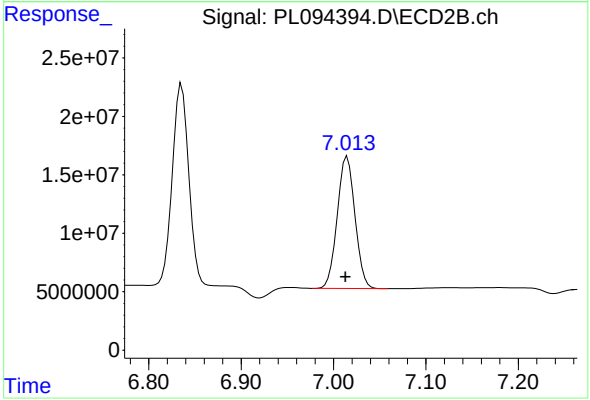
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.002 min
Response: 214740045
Conc: 50.32 ng/ml



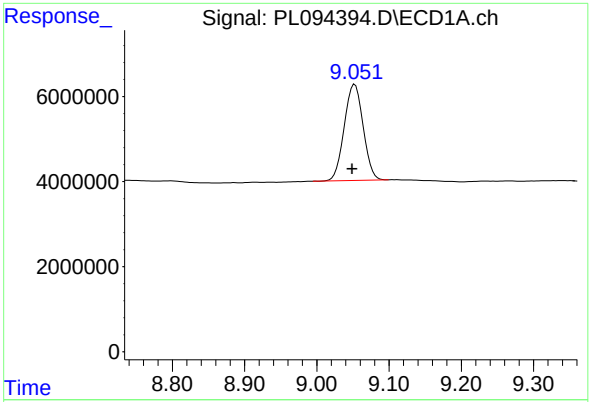
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.003 min
Response: 88945255
Conc: 43.11 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.002 min
Response: 150551619
Conc: 43.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.004 min
Response: 40965032
Conc: 19.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CLAY-CF01-01MSD

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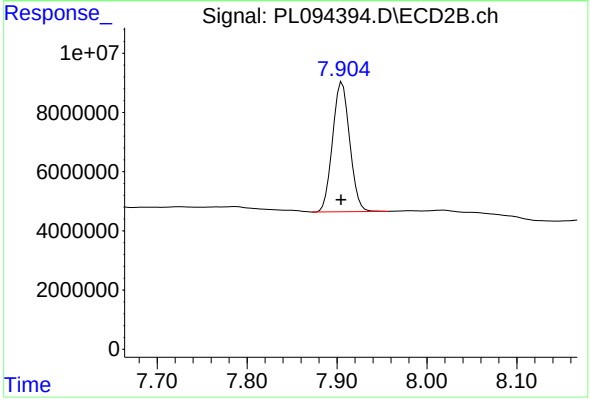

#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.001 min
Response: 57986575
Conc: 15.08 ng/ml

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Manual Integration Report

Sequence:	pl022125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094324.D	4,4"-DDD	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	4,4"-DDE	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	4,4"-DDE #2	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	Endrin ketone	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
RESCHK	PL094325.D	Decachlorobiphenyl	Abdul	2/22/2025 8:33:00 PM	Ankita	2/24/2025 9:37:18	Peak Integrated by Software
RESCHK	PL094325.D	gamma-Chlordane	Abdul	2/22/2025 8:33:00 PM	Ankita	2/24/2025 9:37:18	Peak Integrated by Software
PSTDICC005	PL094330.D	Endrin #2	Abdul	2/22/2025 8:33:04 PM	Ankita	2/24/2025 9:37:20	Peak Integrated by Software
PSTDICC005	PL094330.D	Endrin ketone	Abdul	2/22/2025 8:33:04 PM	Ankita	2/24/2025 9:37:20	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-1 #2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-3 #2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-5	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PEM	PL094345.D	4,4"-DDE	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl022125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094345.D	4,4"-DDE #2	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software
PEM	PL094345.D	Endrin	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software
I.BLK	PL094359.D	Tetrachloro-m-xylene #2	Abdul	2/24/2025 8:32:05 AM	Ankita	2/24/2025 9:37:57	Peak Integrated by Software
PSTDCCC050	PL094369.D	4,4"-DDE #2	Abdul	2/22/2025 8:34:27 PM	Ankita	2/24/2025 9:38:22	Peak Integrated by Software
PSTDCCC050	PL094369.D	Endrin	Abdul	2/22/2025 8:34:27 PM	Ankita	2/24/2025 9:38:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL022525	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094386.D	4,4"-DDE	Abdul	2/26/2025 8:13:56 AM	Ankita	2/26/2025 9:10:07	Peak Integrated by Software
PEM	PL094386.D	4,4"-DDE #2	Abdul	2/26/2025 8:13:56 AM	Ankita	2/26/2025 9:10:07	Peak Integrated by Software
PEM	PL094386.D	Endrin	Abdul	2/26/2025 8:13:56 AM	Ankita	2/26/2025 9:10:07	Peak Integrated by Software
PSTDCCC050	PL094387.D	4,4"-DDE #2	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
PSTDCCC050	PL094387.D	delta-BHC	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
PSTDCCC050	PL094387.D	Endosulfan II #2	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
PSTDCCC050	PL094387.D	Endosulfan Sulfate #2	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
PSTDCCC050	PL094387.D	Endrin	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
PSTDCCC050	PL094387.D	Mirex #2	Abdul	2/26/2025 8:14:01 AM	Ankita	2/26/2025 9:10:08	Peak Integrated by Software
Q1421-01	PL094392.D	Heptachlor	Abdul	2/26/2025 8:14:15 AM	Ankita	2/26/2025 9:10:13	Peak Integrated by Software
Q1421-01	PL094392.D	Heptachlor #2	Abdul	2/26/2025 8:14:15 AM	Ankita	2/26/2025 9:10:13	Peak Integrated by Software
Q1421-02MS	PL094393.D	beta-BHC #2	Abdul	3/5/2025 9:16:39 AM	Ankita	3/5/2025 9:25:27	Peak Integrated by Software
Q1421-02MS	PL094393.D	Endrin	Abdul	3/5/2025 9:16:39 AM	Ankita	3/5/2025 9:25:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL022525	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1421-03MSD	PL094394.D	beta-BHC #2	Abdul	3/5/2025 9:16:34 AM	Ankita	3/5/2025 9:25:29	Peak Integrated by Software
Q1421-03MSD	PL094394.D	Endrin	Abdul	3/5/2025 9:16:34 AM	Ankita	3/5/2025 9:25:29	Peak Integrated by Software
Q1421-03MSD	PL094394.D	Heptachlor #2	Abdul	3/5/2025 9:16:34 AM	Ankita	3/5/2025 9:25:29	Peak Integrated by Software
Q1421-03MSD	PL094394.D	Tetrachloro-m-xylene	Abdul	3/5/2025 9:16:34 AM	Ankita	3/5/2025 9:25:29	Peak Integrated by Software
Q1421-07	PL094395.D	Tetrachloro-m-xylene	Abdul	2/26/2025 8:14:27 AM	Ankita	2/26/2025 9:10:19	Peak Integrated by Software
Q1421-09	PL094396.D	Tetrachloro-m-xylene	Abdul	2/26/2025 8:14:31 AM	Ankita	2/26/2025 9:10:21	Peak Integrated by Software
PSTDCCC050	PL094398.D	4,4"-DDE #2	Abdul	2/26/2025 8:14:37 AM	Ankita	2/26/2025 9:10:23	Peak Integrated by Software
PSTDCCC050	PL094398.D	Endrin	Abdul	2/26/2025 8:14:37 AM	Ankita	2/26/2025 9:10:23	Peak Integrated by Software
PSTDCCC050	PL094402.D	4,4"-DDE #2	Abdul	2/26/2025 8:14:50 AM	Ankita	2/26/2025 9:10:28	Peak Integrated by Software
PSTDCCC050	PL094402.D	Endrin	Abdul	2/26/2025 8:14:50 AM	Ankita	2/26/2025 9:10:28	Peak Integrated by Software
PSTDCCC050	PL094402.D	gamma-Chlordane	Abdul	2/26/2025 8:14:50 AM	Ankita	2/26/2025 9:10:28	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	PL094322.D	21 Feb 2025 10:01	AR\AJ	Ok
2	I.BLK	PL094323.D	21 Feb 2025 10:15	AR\AJ	Ok
3	PEM	PL094324.D	21 Feb 2025 10:29	AR\AJ	Ok,M
4	RESCHK	PL094325.D	21 Feb 2025 10:42	AR\AJ	Ok,M
5	PSTDICC100	PL094326.D	21 Feb 2025 10:56	AR\AJ	Ok
6	PSTDICC075	PL094327.D	21 Feb 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL094328.D	21 Feb 2025 11:23	AR\AJ	Ok
8	PSTDICC025	PL094329.D	21 Feb 2025 11:37	AR\AJ	Ok
9	PSTDICC005	PL094330.D	21 Feb 2025 11:51	AR\AJ	Ok,M
10	PCHLORICC1000	PL094331.D	21 Feb 2025 12:04	AR\AJ	Ok
11	PCHLORICC750	PL094332.D	21 Feb 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL094333.D	21 Feb 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL094334.D	21 Feb 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL094335.D	21 Feb 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL094336.D	21 Feb 2025 13:13	AR\AJ	Ok
16	PTOXICC750	PL094337.D	21 Feb 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL094338.D	21 Feb 2025 13:40	AR\AJ	Ok
18	PTOXICC250	PL094339.D	21 Feb 2025 13:54	AR\AJ	Ok
19	PTOXICC100	PL094340.D	21 Feb 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL094341.D	21 Feb 2025 14:21	AR\AJ	Ok
21	PCHLORICV500	PL094342.D	21 Feb 2025 14:35	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	PL094343.D	21 Feb 2025 15:02	AR\AJ	Ok
23	I.BLK	PL094344.D	21 Feb 2025 15:29	AR\AJ	Ok
24	PEM	PL094345.D	21 Feb 2025 15:43	AR\AJ	Ok,M
25	PSTDCCC050	PL094346.D	21 Feb 2025 15:57	AR\AJ	Ok
26	PB166822BL	PL094347.D	21 Feb 2025 16:10	AR\AJ	Ok
27	PB166822BS	PL094348.D	21 Feb 2025 16:24	AR\AJ	Not Ok
28	Q1395-01	PL094349.D	21 Feb 2025 16:38	AR\AJ	Ok,M
29	Q1397-01	PL094350.D	21 Feb 2025 16:52	AR\AJ	Ok,M
30	Q1397-03	PL094351.D	21 Feb 2025 17:05	AR\AJ	Ok,M
31	Q1397-05	PL094352.D	21 Feb 2025 17:19	AR\AJ	Ok,M
32	Q1397-05MS	PL094353.D	21 Feb 2025 17:33	AR\AJ	Ok,M
33	Q1397-05MSD	PL094354.D	21 Feb 2025 17:47	AR\AJ	Ok,M
34	Q1398-01	PL094355.D	21 Feb 2025 18:00	AR\AJ	Ok,M
35	Q1398-03	PL094356.D	21 Feb 2025 18:14	AR\AJ	Ok,M
36	Q1399-01	PL094357.D	21 Feb 2025 18:28	AR\AJ	Ok,M
37	Q1400-01	PL094358.D	21 Feb 2025 18:42	AR\AJ	Ok,M
38	I.BLK	PL094359.D	21 Feb 2025 18:55	AR\AJ	Ok,M
39	PSTDCCC050	PL094360.D	21 Feb 2025 19:09	AR\AJ	Ok
40	Q1393-05	PL094361.D	21 Feb 2025 19:36	AR\AJ	Ok,M
41	PB166798BL	PL094362.D	21 Feb 2025 19:50	AR\AJ	Ok
42	PB166798BS	PL094363.D	21 Feb 2025 20:04	AR\AJ	Ok,M
43	Q1388-01	PL094364.D	21 Feb 2025 20:18	AR\AJ	Ok,M
44	Q1393-01	PL094365.D	21 Feb 2025 20:31	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	Q1393-01MS	PL094366.D	21 Feb 2025 20:45	AR\AJ	Ok,M
46	Q1393-01MSD	PL094367.D	21 Feb 2025 20:59	AR\AJ	Ok,M
47	I.BLK	PL094368.D	21 Feb 2025 21:13	AR\AJ	Ok
48	PSTDCCC050	PL094369.D	21 Feb 2025 21:26	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022525

Review By	Abdul	Review On	2/26/2025 8:15:15 AM		
Supervise By	Ankita	Supervise On	2/26/2025 9:10:42 AM		
SubDirectory	PL022525	HP Acquire Method		HP Processing Method	pl022125 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	PL094384.D	25 Feb 2025 08:23	AR\AJ	Ok
2	I.BLK	PL094385.D	25 Feb 2025 09:46	AR\AJ	Ok
3	PEM	PL094386.D	25 Feb 2025 10:15	AR\AJ	Ok,M
4	PSTDCCC050	PL094387.D	25 Feb 2025 10:28	AR\AJ	Ok,M
5	PB166855BL	PL094388.D	25 Feb 2025 13:29	AR\AJ	Ok
6	PB166855BS	PL094389.D	25 Feb 2025 13:43	AR\AJ	Ok
7	Q1416-01	PL094390.D	25 Feb 2025 14:04	AR\AJ	Ok,M
8	Q1418-01	PL094391.D	25 Feb 2025 14:17	AR\AJ	Ok,M
9	Q1421-01	PL094392.D	25 Feb 2025 14:31	AR\AJ	Ok,M
10	Q1421-02MS	PL094393.D	25 Feb 2025 14:44	AR\AJ	Ok,M
11	Q1421-03MSD	PL094394.D	25 Feb 2025 14:58	AR\AJ	Ok,M
12	Q1421-07	PL094395.D	25 Feb 2025 15:11	AR\AJ	Ok,M
13	Q1421-09	PL094396.D	25 Feb 2025 15:25	AR\AJ	Ok,M
14	I.BLK	PL094397.D	25 Feb 2025 15:39	AR\AJ	Ok
15	PSTDCCC050	PL094398.D	25 Feb 2025 15:52	AR\AJ	Ok,M
16	Q1421-07	PL094399.D	25 Feb 2025 16:06	AR\AJ	Not Ok
17	Q1421-09	PL094400.D	25 Feb 2025 16:19	AR\AJ	Not Ok
18	I.BLK	PL094401.D	25 Feb 2025 16:33	AR\AJ	Ok
19	PSTDCCC050	PL094402.D	25 Feb 2025 16:47	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	PL094322.D	21 Feb 2025 10:01		AR\AJ	Ok
2	I.BLK	I.BLK	PL094323.D	21 Feb 2025 10:15		AR\AJ	Ok
3	PEM	PEM	PL094324.D	21 Feb 2025 10:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094325.D	21 Feb 2025 10:42		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094326.D	21 Feb 2025 10:56		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL094327.D	21 Feb 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL094328.D	21 Feb 2025 11:23		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094329.D	21 Feb 2025 11:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094330.D	21 Feb 2025 11:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094331.D	21 Feb 2025 12:04		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094332.D	21 Feb 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094333.D	21 Feb 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094334.D	21 Feb 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094335.D	21 Feb 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL094336.D	21 Feb 2025 13:13		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094337.D	21 Feb 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094338.D	21 Feb 2025 13:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094339.D	21 Feb 2025 13:54		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	PL094340.D	21 Feb 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL022125	PL094341.D	21 Feb 2025 14:21		AR\AJ	Ok
21	PCHLORICV500	ICVPL022125CHLOR	PL094342.D	21 Feb 2025 14:35		AR\AJ	Ok,M
22	PTOXICV500	ICVPL022125TOX	PL094343.D	21 Feb 2025 15:02		AR\AJ	Ok
23	I.BLK	I.BLK	PL094344.D	21 Feb 2025 15:29	TCMX high in 1st column	AR\AJ	Ok
24	PEM	PEM	PL094345.D	21 Feb 2025 15:43		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094346.D	21 Feb 2025 15:57		AR\AJ	Ok
26	PB166822BL	PB166822BL	PL094347.D	21 Feb 2025 16:10		AR\AJ	Ok
27	PB166822BS	PB166822BS	PL094348.D	21 Feb 2025 16:24	Comp#2,3,7 recovery fail	AR\AJ	Not Ok
28	Q1395-01	BEL-25-0005	PL094349.D	21 Feb 2025 16:38		AR\AJ	Ok,M
29	Q1397-01	STOCK-PILE	PL094350.D	21 Feb 2025 16:52		AR\AJ	Ok,M
30	Q1397-03	TP7	PL094351.D	21 Feb 2025 17:05		AR\AJ	Ok,M
31	Q1397-05	TP8	PL094352.D	21 Feb 2025 17:19		AR\AJ	Ok,M
32	Q1397-05MS	TP8MS	PL094353.D	21 Feb 2025 17:33		AR\AJ	Ok,M
33	Q1397-05MSD	TP8MSD	PL094354.D	21 Feb 2025 17:47		AR\AJ	Ok,M
34	Q1398-01	BUS-DISCONNECT	PL094355.D	21 Feb 2025 18:00		AR\AJ	Ok,M
35	Q1398-03	HANDHOLD	PL094356.D	21 Feb 2025 18:14		AR\AJ	Ok,M
36	Q1399-01	SU-04-02202025	PL094357.D	21 Feb 2025 18:28		AR\AJ	Ok,M
37	Q1400-01	EO-02-02202025	PL094358.D	21 Feb 2025 18:42		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM		
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM		
SubDirectory	PL022125	HP Acquire Method		HP Processing Method	pl022125 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	I.BLK	I.BLK	PL094359.D	21 Feb 2025 18:55	TCMX high in both column	AR\AJ	Ok,M
39	PSTDCCC050	PSTDCCC050	PL094360.D	21 Feb 2025 19:09		AR\AJ	Ok
40	Q1393-05	PURGE-WATER-COMP	PL094361.D	21 Feb 2025 19:36	TCMX low in 1st column	AR\AJ	Ok,M
41	PB166798BL	PB166798BL	PL094362.D	21 Feb 2025 19:50		AR\AJ	Ok
42	PB166798BS	PB166798BS	PL094363.D	21 Feb 2025 20:04		AR\AJ	Ok,M
43	Q1388-01	72-12016	PL094364.D	21 Feb 2025 20:18		AR\AJ	Ok,M
44	Q1393-01	SOIL-COMP	PL094365.D	21 Feb 2025 20:31		AR\AJ	Ok,M
45	Q1393-01MS	SOIL-COMPMS	PL094366.D	21 Feb 2025 20:45	Comp#17 recovery fail	AR\AJ	Ok,M
46	Q1393-01MSD	SOIL-COMPMSD	PL094367.D	21 Feb 2025 20:59	Comp#17 recovery fail	AR\AJ	Ok,M
47	I.BLK	I.BLK	PL094368.D	21 Feb 2025 21:13	TCMX high in 2nd column	AR\AJ	Ok
48	PSTDCCC050	PSTDCCC050	PL094369.D	21 Feb 2025 21:26		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022525

Review By	Abdul	Review On	2/26/2025 8:15:15 AM		
Supervise By	Ankita	Supervise On	2/26/2025 9:10:42 AM		
SubDirectory	PL022525	HP Acquire Method		HP Processing Method	pl022125 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	PL094384.D	25 Feb 2025 08:23		AR\AJ	Ok
2	I.BLK	I.BLK	PL094385.D	25 Feb 2025 09:46		AR\AJ	Ok
3	PEM	PEM	PL094386.D	25 Feb 2025 10:15		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094387.D	25 Feb 2025 10:28		AR\AJ	Ok,M
5	PB166855BL	PB166855BL	PL094388.D	25 Feb 2025 13:29		AR\AJ	Ok
6	PB166855BS	PB166855BS	PL094389.D	25 Feb 2025 13:43		AR\AJ	Ok
7	Q1416-01	OK-01-022425	PL094390.D	25 Feb 2025 14:04		AR\AJ	Ok,M
8	Q1418-01	TR-06-02242025	PL094391.D	25 Feb 2025 14:17		AR\AJ	Ok,M
9	Q1421-01	P001-CLAY-CF01-01	PL094392.D	25 Feb 2025 14:31		AR\AJ	Ok,M
10	Q1421-02MS	P001-CLAY-CF01-01M	PL094393.D	25 Feb 2025 14:44		AR\AJ	Ok,M
11	Q1421-03MSD	P001-CLAY-CF01-01M	PL094394.D	25 Feb 2025 14:58		AR\AJ	Ok,M
12	Q1421-07	P001-CLAY-CF01-02	PL094395.D	25 Feb 2025 15:11		AR\AJ	Ok,M
13	Q1421-09	P001-CLAY-CF02-01	PL094396.D	25 Feb 2025 15:25		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL094397.D	25 Feb 2025 15:39		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL094398.D	25 Feb 2025 15:52		AR\AJ	Ok,M
16	Q1421-07	P001-CLAY-CF01-02	PL094399.D	25 Feb 2025 16:06	already analysed	AR\AJ	Not Ok
17	Q1421-09	P001-CLAY-CF02-01	PL094400.D	25 Feb 2025 16:19	already analysed	AR\AJ	Not Ok
18	I.BLK	I.BLK	PL094401.D	25 Feb 2025 16:33		AR\AJ	Ok

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 # PL022525

Review By	Abdul	Review On	2/26/2025 8:15:15 AM		
Supervise By	Ankita	Supervise On	2/26/2025 9:10:42 AM		
SubDirectory	PL022525	HP Acquire Method		HP Processing Method	pl022125 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	PSTDCCC050	PSTDCCC050	PL094402.D	25 Feb 2025 16:47		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: Jignesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

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
Q1401-07	BP-VPB-192-GW-825-827	1	1.15	8.83	9.98	2.04	10.1	sludge sample
Q1401-08	BP-VPB-192-GW-860-862	2	1.13	8.65	9.78	1.93	9.2	sludge sample
Q1401-09	BP-VPB-192-GW-880-882	3	1.13	8.68	9.81	1.64	5.9	sludge sample
Q1403-05	SVOC-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1403-06	PEST-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1403-07	PEST-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q1403-08	PCB-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1403-09	PCB-GPC-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1403-10	SVOC-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1403-11	PEST-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1403-12	PEST-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1403-13	PCB-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1403-14	PCB-GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1407-01	022125	14	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1411-01	HR-02-02212025	15	1.16	8.48	9.64	9.09	93.5	
Q1411-02	HR-02-02212025-E2	16	1.15	8.70	9.85	9.12	91.6	
Q1411-03	HR-03-02212025	17	1.15	8.81	9.96	9.2	91.4	
Q1411-04	HR-03-02212025-E2	18	1.14	8.43	9.57	8.93	92.4	
Q1412-01	GAS-FUEL-ISLAND-MAT	19	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1413-01	BU-2-022125	20	1.18	8.58	9.76	9.28	94.4	
Q1413-02	BU-2-022125	21	1.19	8.45	9.64	9.22	95.0	
Q1414-01	BUR-1316	22	1.12	8.78	9.9	6.68	63.3	
Q1415-01	B-163-SB01	23	1.15	8.80	9.95	8.94	88.5	
Q1415-02	B-172-SB01	24	1.17	8.60	9.77	8.62	86.6	
Q1415-03	B-163-SB02	25	1.13	8.85	9.98	7.54	72.4	
Q1415-04	B-172-SB02	26	1.18	8.77	9.95	9.05	89.7	
Q1416-01	OK-01-022425	27	1.15	8.48	9.63	8.58	87.6	
Q1416-02	OK-01-022425-E2	28	1.16	8.69	9.85	8.77	87.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: Jignesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

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
Q1418-01	TR-06-02242025	35	1.15	8.71	9.86	8.87	88.6	
Q1418-02	TR-06-02242025-E2	36	1.12	8.75	9.87	8.76	87.3	
Q1420-01	TP-1-WC	29	1.15	8.82	9.97	9.04	89.5	
Q1420-02	TP-1-WC-EPH	30	1.12	8.76	9.88	8.96	89.5	
Q1420-03	TP-1-WC-VOC	31	1.14	8.85	9.99	9.18	90.8	
Q1420-05	TP-2-WC	32	1.15	8.62	9.77	8.79	88.6	
Q1420-06	TP-2-WC-EPH	33	1.15	8.40	9.55	8.63	89.0	
Q1420-07	TP-2-WC-VOC	34	1.14	8.85	9.99	9.00	88.8	
Q1421-01	P001-CLAY-CF01-01	37	1.17	8.60	9.77	7.22	70.3	
Q1421-02	Q1421-01MS	38	1.17	8.60	9.77	7.22	70.3	
Q1421-03	Q1421-01MSD	39	1.17	8.60	9.77	7.22	70.3	
Q1421-04	P001-CLAY-CF01-01	40	1.00	9.00	10.00	1.00	0.0	
Q1421-05	Q1421-04MS	41	1.00	9.00	10.00	1.00	0.0	
Q1421-06	Q1421-04MSD	42	1.00	9.00	10.00	1.00	0.0	
Q1421-07	P001-CLAY-CF01-02	43	1.12	8.55	9.67	7.55	75.2	
Q1421-08	P001-CLAY-CF01-02	44	1.00	9.00	10.00	1.00	0.0	
Q1421-09	P001-CLAY-CF02-01	45	1.11	8.74	9.85	7.96	78.4	
Q1421-10	P001-CLAY-CF02-01	46	1.00	9.00	10.00	1.00	0.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1401-07	BP-VPB-192-GW-825-827	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-08	BP-VPB-192-GW-860-862	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-09	BP-VPB-192-GW-880-882	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1403-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1407-01	022125	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1411-01	HR-02-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG03	H23	02/21/2025	Chemtech -SO
Q1411-02	HR-02-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-03	HR-03-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-04	HR-03-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1412-01	GAS-FUEL-ISLAND-MAT	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1413-01	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1413-02	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: JP (WDC)

Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JP (WDC)

WORKLIST(Hardcopy Internal Chain)

VB 134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1414-01	BUR-1316	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1415-01	B-163-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-02	B-172-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-03	B-163-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-04	B-172-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1416-01	OK-01-022425	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1416-02	OK-01-022425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1418-01	TR-06-02242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1418-02	TR-06-02242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1420-01	TP-1-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-02	TP-1-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-03	TP-1-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-05	TP-2-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-06	TP-2-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-07	TP-2-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1421-01	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-02	Q1421-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-03	Q1421-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-04	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-05	Q1421-04MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-06	Q1421-04MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VR134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1421-07	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-08	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-09	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-10	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25
Raw Sample Received by: JR Wolf
Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JR Wolf

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166855

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	02/25/2025
Matrix :	Solid			**Extraction Start Time :**	09:03
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/25/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:05
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ 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	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
Hexane	N/A	E3877
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.

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
2/25/25	RS (Ext lab)	Y.P. Peshpo.
12:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166855

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166855BL	PBLK855	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB166855BS	PLCS855	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1416-01	OK-01-022425	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q1418-01	TR-06-02242025	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1420-01	TP-1-WC	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		5
Q1420-05	TP-2-WC	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1421-01	P001-CLAY-CF01-01	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U6-1
Q1421-02	Q1421-01MS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q1421-03	Q1421-01MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q1421-07	P001-CLAY-CF01-02	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	F		4
Q1421-09	P001-CLAY-CF02-01	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5

RS 2/25

* **Extracts relinquished on the same date as received.**

166853
9-03

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1418 **WorkList ID :** 187864 **Department :** Extraction **Date :** 02-25-2025 08:40:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1416-01	OK-01-022425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	N41	02/24/2025	8081B
Q1418-01	TR-06-02242025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	H41	02/24/2025	8081B
Q1420-01	TP-1-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N41	02/24/2025	8081B
Q1420-05	TP-2-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N41	02/24/2025	8081B
Q1421-01	P001-CLAY-CF01-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	H31	02/24/2025	8081B
Q1421-02	Q1421-01MS	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	H31	02/24/2025	8081B
Q1421-03	Q1421-01MSD	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	H31	02/24/2025	8081B
Q1421-07	P001-CLAY-CF01-02	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	H31	02/24/2025	8081B
Q1421-09	P001-CLAY-CF02-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	H31	02/24/2025	8081B

Date/Time 2/25/25 9:00
Raw Sample Received by: RJ (EXA-Gdb)
Raw Sample Relinquished by: CP SM

Date/Time 2/25/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXA-Gdb)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1421

Test : Pesticide-TCL

Prepbatch ID : PB166855,

Sequence ID/Qc Batch ID: PL022525,

Standard ID :
EP2583,EP2589,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,E3873,E3877,P 11146,P11896,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Fax : 908 789 8922

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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Fax : 908 789 8922

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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Fax : 908 789 8922

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 #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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

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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	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

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

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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	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

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
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_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

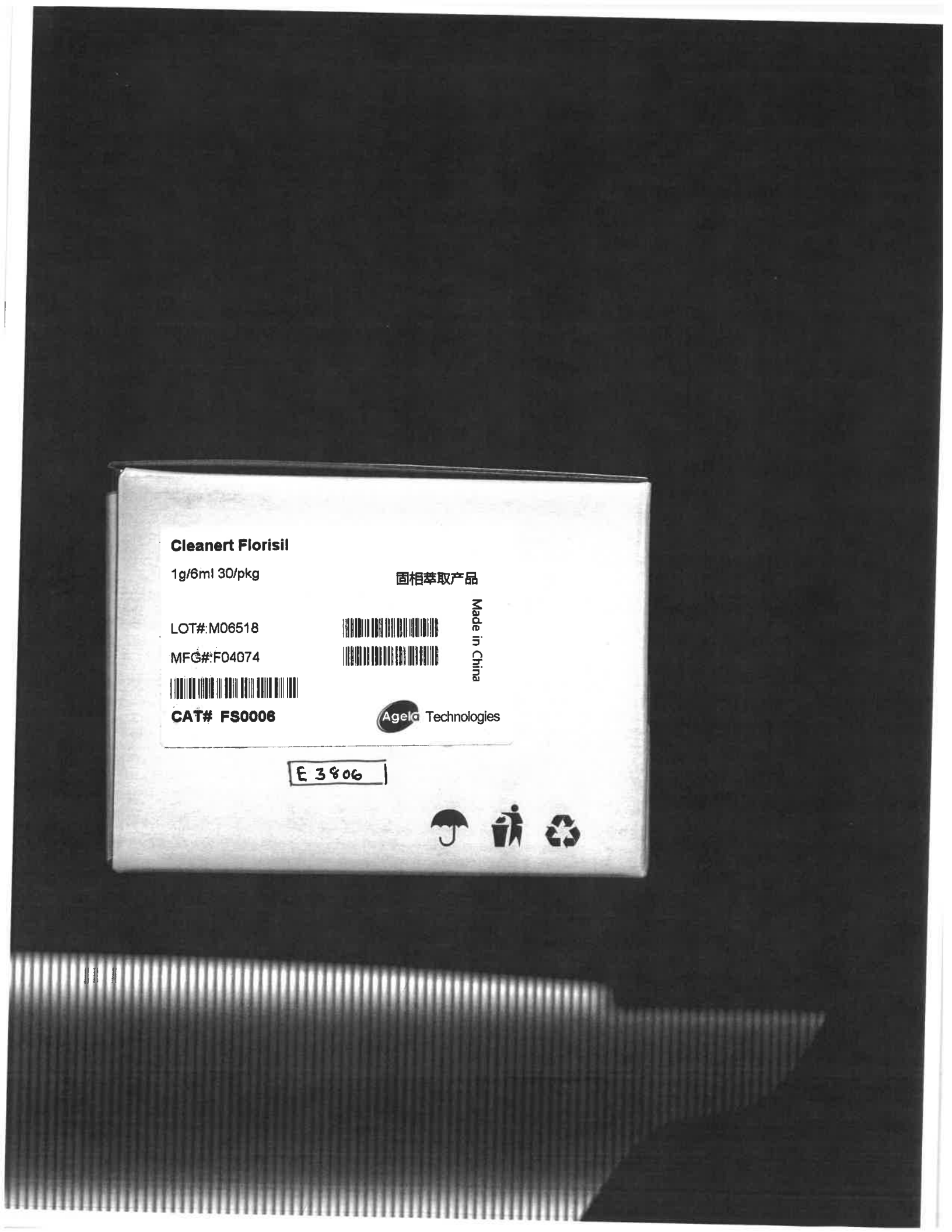
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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 1/29/25

E 3873

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

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

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)

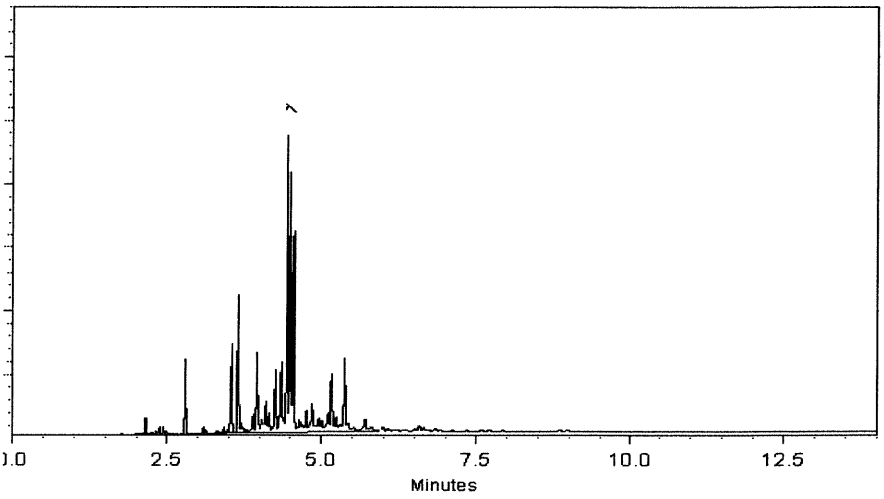
Carrier Gas:
helium-constant pressure 20 psi.

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.)

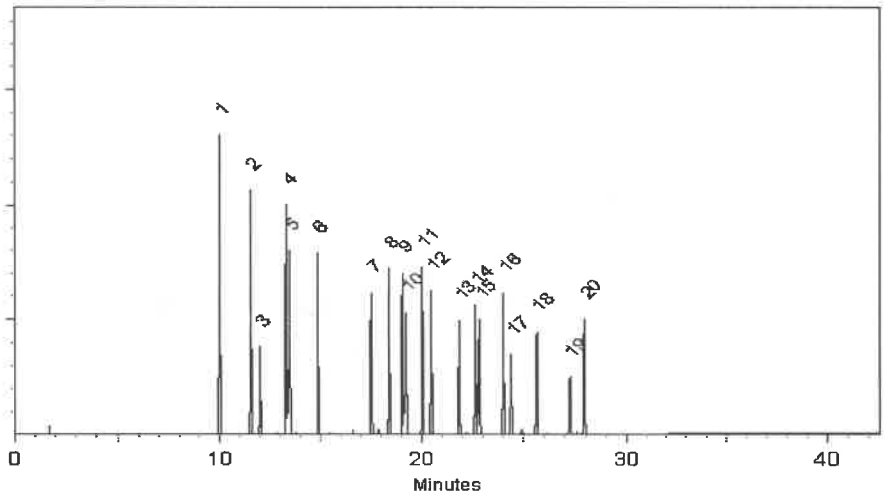
Inj. Temp:
200°C

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

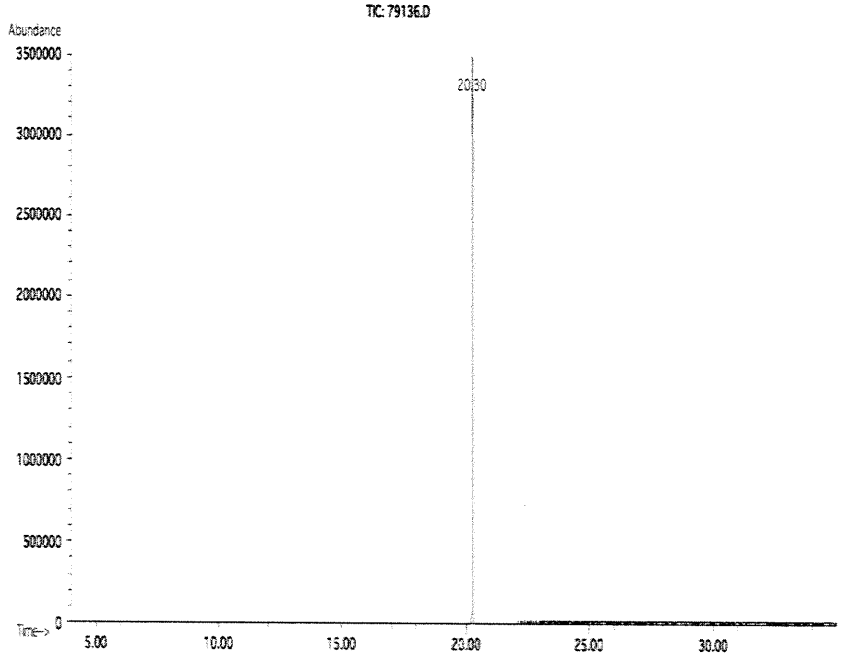
Solvent(s): **Lot#**
Acetone 81025

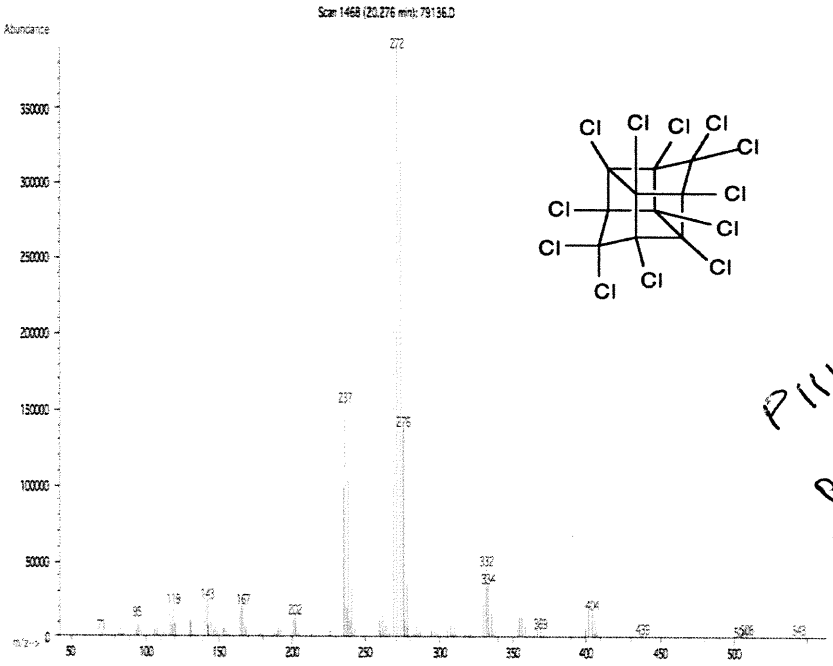
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

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.)

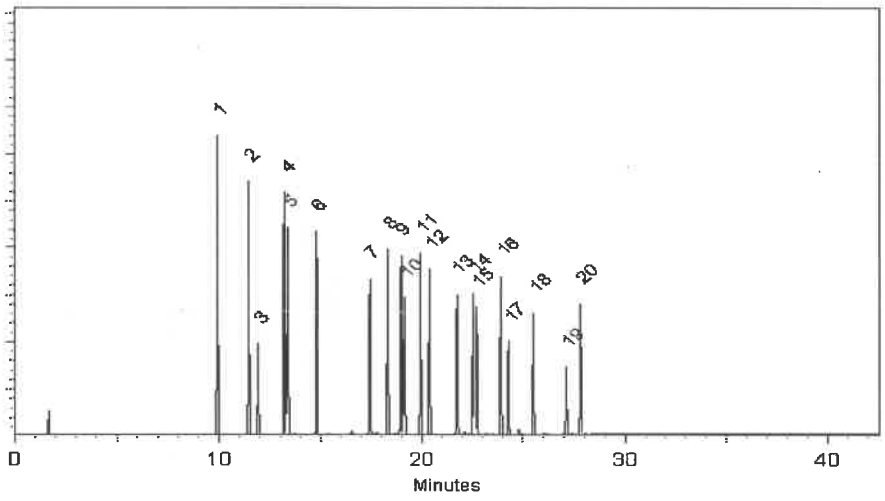
Inj. Temp:
200°C

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).

RESTEK
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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.

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.)

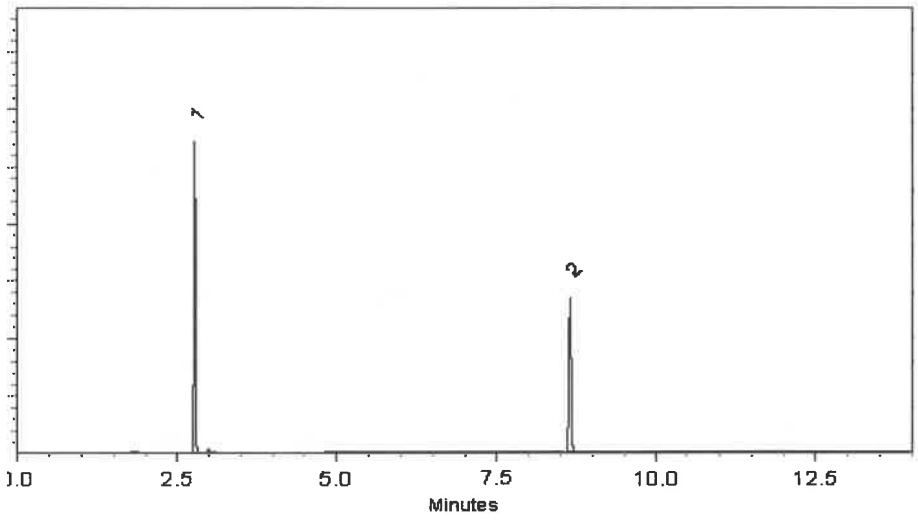
Inj. Temp:
250°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

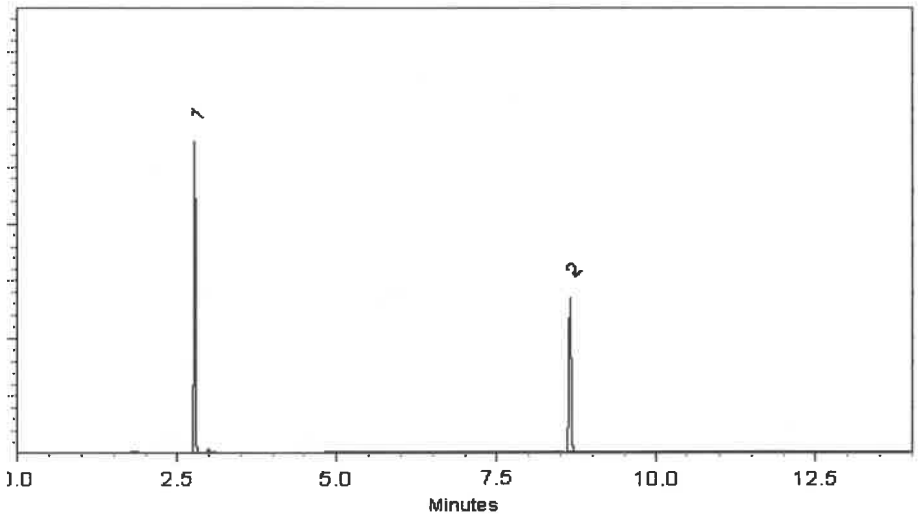
Inj. Temp:
250°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

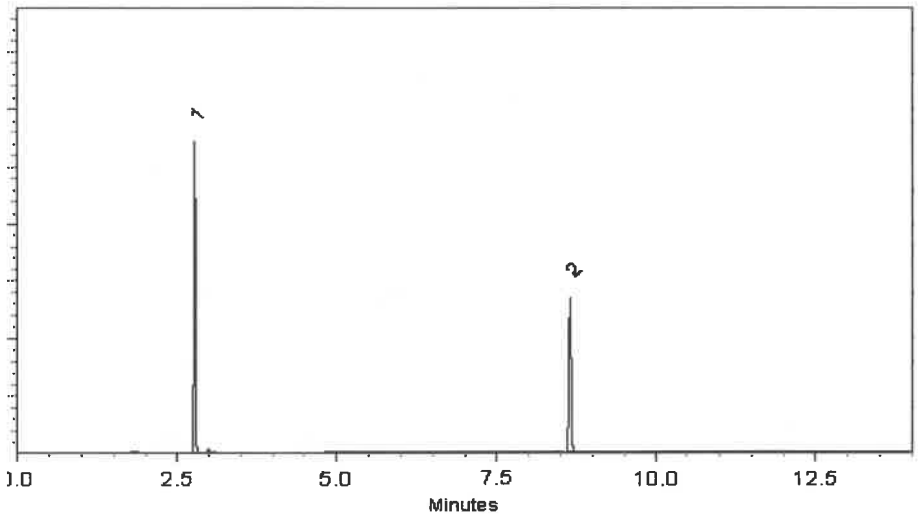
Inj. Temp:
250°C

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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P13348 (10)

↓

P13357

04/25/2025

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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.

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.)

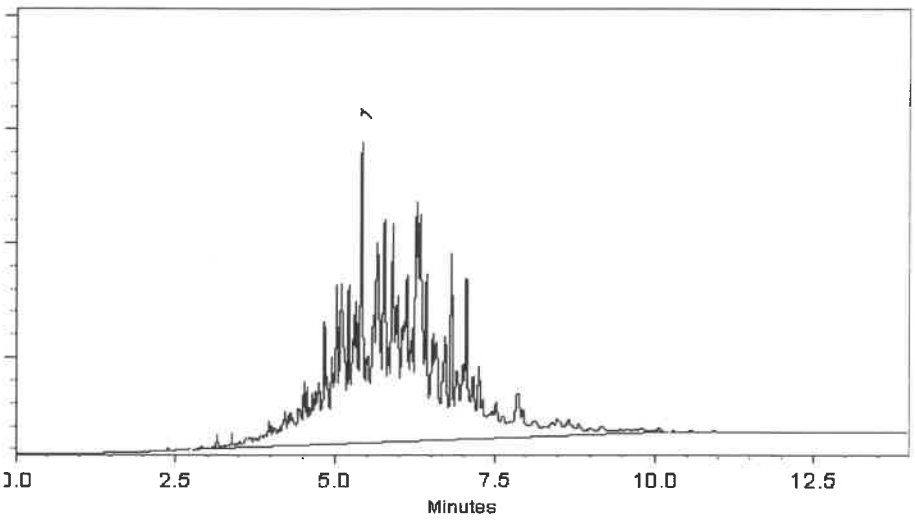
Inj. Temp:
250°C

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.)

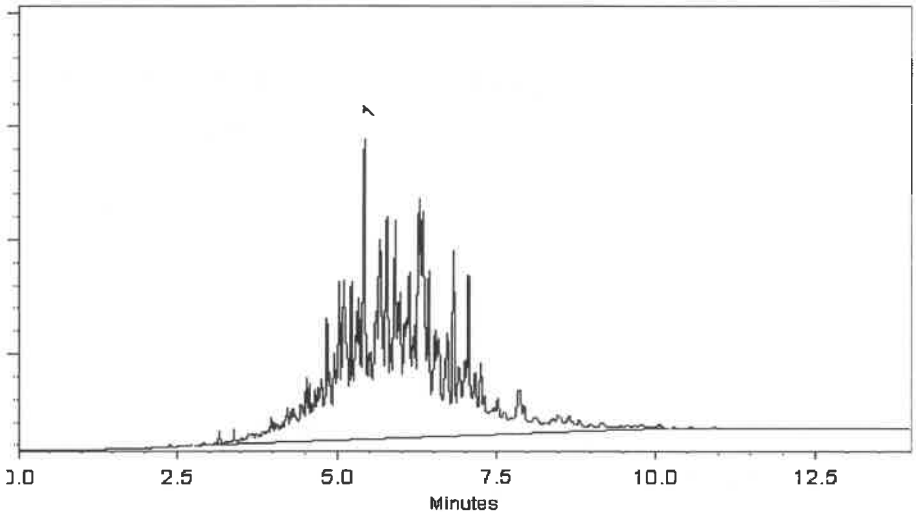
Inj. Temp:
250°C

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

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-01	HL_Pile	TAL VOCs	Soil	2/24/2025	09:40	9	5 gram Encore	4 C	Y
	P001-Clay-CF01-01	HL_Pile	Percent Moisture	Soil	2/24/2025	09:40	1	4 oz glass w/ septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	EPH	Soil	2/24/2025	09:40	2	4 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:40	8	40 mL Amber Vial W/ Septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP EPH	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All SAMPLES All ANALYSES	WESTON SOLUTIONS	2/24/25 1900		2-24-25 1425	4.9°C IR Gun #1
					Temp Blk present
					Custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-02	HL_Pile	TAL VOCs	Soil	2/24/2025	09:50	3	5 gram Encore	4 C	N
	P001-Clay-CF01-02	HL_Pile	Percent Moisture	Soil	2/24/2025	09:50	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	EPH	Soil	2/24/2025	09:50	1	4 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:50	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP EPH	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N

Special Instructions	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analyses	[signature] Weston Solutions	2/24/25 1500	[signature]	2-24-25 1425	4.9°C Ir gun #1
					Temp blk. present
					custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF02-01	HL_Pile	TAL VOCs	Soil	2/24/2025	10:00	3	5 gram Encore	4 C	N
	P001-Clay-CF02-01	HL_Pile	Percent Moisture	Soil	2/24/2025	10:00	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	EPH	Soil	2/24/2025	10:00	1	4 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	10:00	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP EPH	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analyses	Weston Samples	2/24/25 1500		2-24-25 1425	4.9°C IR Gun #1 Temp blk. present custody seals intact

From: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Sent: Tuesday, February 25, 2025 9:30 AM
To: Jordan@chemtech.net
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835
Attachments: RFP#905-corrected COC.pdf

Jordan – Attached please find corrected COC with RFP# 905 and use the SW 846 Methods. Contact me with any questions.

Thanks,
Smita

From: Jordan Hedvat <Jordan@chemtech.net>
Sent: Monday, February 24, 2025 5:32 PM
To: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835

Thanks, the COC did not mention specific Methods so we are running by standard SW-846. If CLP Methods required for these samples received today please let us know. COC is attached (# Q1421)

Regards,
Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sumbaly, Smita [mailto:S.Sumbaly@WestonSolutions.com]
Sent: Monday, February 24, 2025 5:28 PM
To: Jordan@chemtech.net
Subject: Re: Site # 51835

Rfp#905

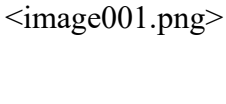
Sent from my iPhone

On Feb 24, 2025, at 4:36 PM, Jordan Hedvat <Jordan@chemtech.net> wrote:

Good afternoon Smita,

We received project with COC titled “Site # 51835.” Please confirm for which RFP # project this falls under so we may include the correct pricing provided at the time of bid? Thank you

Regards,
Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
Main: 908-789-8900
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Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1421 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 2/24/2025 2:56:42 PM
Project Name : ~~51835~~ RFP 905
Receive DateTime : 2/24/2025 2:25:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1421-01	P001-CLAY-CF01-01	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-02	Q1421-01MS	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-03	Q1421-01MSD	Solid	02/24/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-07	P001-CLAY-CF01-02	Solid	02/24/2025	09:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1421-09	P001-CLAY-CF02-01	Solid	02/24/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 2-24-25 15:40

Received By : _____
Date / Time : 2-24-25 15:40

Storage Area : VOA Refridgerator Room