

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P4495

ATTENTION : QA Officer



Laboratory Certification ID # 20012



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Cover Page

Order ID : P4495

Project ID : NJ Soil PT

Client : Chemtech Consulting Group

Lab Sample Number

P4495-01
P4495-02
P4495-03
P4495-04
P4495-05
P4495-06
P4495-07
P4495-08
P4495-09
P4495-10
P4495-11
P4495-12
P4495-13
P4495-14
P4495-15
P4495-16
P4495-17
P4495-18
P4495-19
P4495-20
P4495-21
P4495-22
P4495-23
P4495-24
P4495-25

Client Sample Number

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

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:56 am, Dec 18, 2024

Date: 12/2/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Soil PT

Project # N/A

Chemtech Project # P4495

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

25 Solid samples were received on 10/23/2024.

B. Parameters

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

C. Analytical Techniques:

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

Samples PT-PEST-SOIL, PT-PEST-SOILDL were diluted due to high concentrations.

E. Additional Comments:

F. Manual Integration Comments:

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

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

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:56 am, Dec 18, 2024

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4495

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:

Samples PT-PEST-SOIL, PT-PEST-SOILDL were diluted due to high concentrations.

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:21 am, Dec 18, 2024

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4495

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/02/2024

LAB CHRONICLE

OrderID:	P4495	OrderDate:	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Soil PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	PT-DIES-SOIL	SOIL			10/21/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	PT-GAS-SOIL	SOIL			10/21/24			10/23/24
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	PT-NJEPH-SOIL	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL 2	PT-NJEPH-SOILDL2	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	PT-HERB-SOIL	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	PT-HERB-SOILRE	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	PT-PCB-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	PT-PCB-SOIL DL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-19	PT-PCBO-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	PT-PCBO-SOILDL	SOIL			10/21/24			10/23/24

LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	PT-PEST-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	PT-PEST-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL 2	PT-PEST-SOILDL2	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	PT-CHLR-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	PT-TXP-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	PT-TXP-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

Hit Summary Sheet SW-846

SDG No.: P4495

Order ID: P4495

Client: Chemtech Consulting Group

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-PEST-SOIL								
P4495-20	PT-PEST-SOIL	SOIL	alpha-BHC	219 E	0.18		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	beta-BHC	272 E	0.49		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	delta-BHC	273 E	0.47		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-BHC (Lindane)	136 E	0.19		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor	261 E	0.17		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Aldrin	92.9 E	0.14		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor epoxide	86.8 E	0.23		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan I	38.7 E	0.17		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Dieldrin	315 E	0.15		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDE	326 E	0.13		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin	43.6 E	0.16		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan II	156 E	0.30		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDD	211 E	0.19		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan Sulfate	55.1 E	0.13		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDT	106 E	0.17		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Methoxychlor	39.1 E	0.38		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin ketone	171 E	0.22		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin aldehyde	26.9	0.39		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	alpha-Chlordane	79.7 E	0.17		1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-Chlordane	237 E	0.19		1.70	ug/kg

Total Concentration: 3,145.800

Client ID : PT-PEST-SOILDL								
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-BHC	229 ED	0.36		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	beta-BHC	285 ED	0.97		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	delta-BHC	291 ED	0.94		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-BHC (Lindane)	140 ED	0.38		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor	298 ED	0.34		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Aldrin	96.0 ED	0.28		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor epoxide	90.6 ED	0.46		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan I	39.3 D	0.34		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Dieldrin	342 ED	0.30		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDE	342 ED	0.26		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin	43.3 D	0.32		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan II	159 ED	0.60		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDD	217 ED	0.38		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan Sulfate	55.0 D	0.26		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDT	104 ED	0.34		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Methoxychlor	41.6 D	0.76		3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin ketone	178 ED	0.44		3.40	ug/kg

Hit Summary Sheet
SW-846

SDG No.: P4495

Order ID: P4495

Client: Chemtech Consulting Group

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
Total Concentration:				3,303.600				

Client ID : PT-PEST-SOILDL2

P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-BHC	217	D	3.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	beta-BHC	305	D	9.70	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	delta-BHC	291	D	9.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor	317	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Aldrin	96.0	D	2.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan I	44.9	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Dieldrin	362	D	3.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDE	351	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin	44.8	D	3.20	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan II	165	D	6.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDD	215	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDT	98.8	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Methoxychlor	48.5	D	7.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin ketone	194	D	4.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-Chlordane	247	D	3.80	33.8	ug/kg
Total Concentration:				3,408.100				



QC SUMMARY

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Surrogate Summary

SDG No.: **P4495**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		43	140
		Tetrachloro-m-xylene	1	20	22.0	110		77	126
		Decachlorobiphenyl	2	20	21.4	107		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
I.BLK-PL092637.D	PIBLK-PL092637.D	Decachlorobiphenyl	1	20	22.1	110		43	140
		Tetrachloro-m-xylene	1	20	19.9	100		77	126
		Decachlorobiphenyl	2	20	24.4	122		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
PB164398BL	PB164398BL	Decachlorobiphenyl	1	20	19.4	97		10	148
		Tetrachloro-m-xylene	1	20	17.1	85		10	159
		Decachlorobiphenyl	2	20	21.1	106		10	148
		Tetrachloro-m-xylene	2	20	17.7	89		10	159
PB164398BS	PB164398BS	Decachlorobiphenyl	1	20	18.1	90		10	148
		Tetrachloro-m-xylene	1	20	16.2	81		10	159
		Decachlorobiphenyl	2	20	19.5	97		10	148
		Tetrachloro-m-xylene	2	20	16.8	84		10	159
P4547-05MS	BP-F-20MS	Decachlorobiphenyl	1	20	15.7	78		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	16.0	80		10	159
P4547-05MSD	BP-F-20MSD	Decachlorobiphenyl	1	20	15.3	76		10	148
		Tetrachloro-m-xylene	1	20	14.6	73		10	159
		Decachlorobiphenyl	2	20	15.1	75		10	148
		Tetrachloro-m-xylene	2	20	15.9	79		10	159
I.BLK-PL092649.D	PIBLK-PL092649.D	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.4	107		77	126
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092815.D	PIBLK-PL092815.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.1	90		77	126
P4495-20	PT-PEST-SOIL	Decachlorobiphenyl	1	20	18.5	92		10	148
		Tetrachloro-m-xylene	1	20	22.3	111		10	159
		Decachlorobiphenyl	2	20	19.2	96		10	148
		Tetrachloro-m-xylene	2	20	19.4	97		10	159
P4495-20DL	PT-PEST-SOILDL	Decachlorobiphenyl	1	20	19.2	96		10	148

Surrogate Summary

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4495-20DL	PT-PEST-SOILDL	Tetrachloro-m-xylene	1	20	23.9	120		10	159
		Decachlorobiphenyl	2	20	19.4	97		10	148
P4495-20DL2	PT-PEST-SOILDL2	Tetrachloro-m-xylene	2	20	20.0	100		10	159
		Decachlorobiphenyl	1	20	21.2	106		10	148
		Tetrachloro-m-xylene	1	20	27.2	136		10	159
		Decachlorobiphenyl	2	20	21.0	105		10	148
		Tetrachloro-m-xylene	2	20	22.4	112		10	159
		Decachlorobiphenyl	1	20	18.9	94		43	140
I.BLK-PL092838.D	PIBLK-PL092838.D	Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

DataFile : PL092647.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4547-05MS	BP-F-20MS											
	alpha-BHC	19.21	0	17.3	ug/kg	90				60	144	
	beta-BHC	19.21	0	17.7	ug/kg	92				54	143	
	delta-BHC	19.21	0	16.4	ug/kg	85				47	144	
	gamma-BHC (Lindane)	19.21	0	17.1	ug/kg	89				61	140	
	Heptachlor	19.21	0	17.8	ug/kg	93				63	135	
	Aldrin	19.21	0	16.6	ug/kg	86				49	139	
	Heptachlor epoxide	19.21	0	17.1	ug/kg	89				32	180	
	Endosulfan I	19.21	0	17.9	ug/kg	93				56	142	
	Dieldrin	19.21	0	16.6	ug/kg	86				47	161	
	4,4'-DDE	19.21	0	17.4	ug/kg	91				55	136	
	Endrin	19.21	0	16.1	ug/kg	84				57	139	
	Endosulfan II	19.21	0	16.3	ug/kg	85				40	163	
	4,4'-DDD	19.21	0	16.2	ug/kg	84				37	192	
	Endosulfan sulfate	19.21	0	16.0	ug/kg	83				62	139	
	4,4'-DDT	19.21	0	16.2	ug/kg	84				51	146	
	Methoxychlor	19.21	0	16.9	ug/kg	88				54	136	
	Endrin ketone	19.21	0	16.6	ug/kg	86				60	129	
	Endrin aldehyde	19.21	0	16.1	ug/kg	84				59	132	
	alpha-Chlordane	19.21	0	17.7	ug/kg	92				30	192	
	gamma-Chlordane	19.21	0	17.2	ug/kg	90				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

DataFile : PL092648.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F-20MSD											
P4547-05MSD	alpha-BHC	19.2	0	17.3	ug/kg	90		0		60	144	20
	beta-BHC	19.2	0	17.9	ug/kg	93		1		54	143	20
	delta-BHC	19.2	0	16.6	ug/kg	86		1		47	144	20
	gamma-BHC (Lindane)	19.2	0	17.2	ug/kg	90		1		61	140	20
	Heptachlor	19.2	0	18.0	ug/kg	94		1		63	135	20
	Aldrin	19.2	0	16.8	ug/kg	87		1		49	139	20
	Heptachlor epoxide	19.2	0	17.4	ug/kg	91		2		32	180	20
	Endosulfan I	19.2	0	17.9	ug/kg	93		0		56	142	20
	Dieldrin	19.2	0	17.1	ug/kg	89		3		47	161	20
	4,4'-DDE	19.2	0	17.6	ug/kg	92		1		55	136	20
	Endrin	19.2	0	17.2	ug/kg	90		7		57	139	20
	Endosulfan II	19.2	0	16.8	ug/kg	87		2		40	163	20
	4,4'-DDD	19.2	0	17.0	ug/kg	89		6		37	192	20
	Endosulfan sulfate	19.2	0	16.7	ug/kg	87		5		62	139	20
	4,4'-DDT	19.2	0	16.6	ug/kg	86		2		51	146	20
	Methoxychlor	19.2	0	18.0	ug/kg	94		7		54	136	20
	Endrin ketone	19.2	0	16.8	ug/kg	87		1		60	129	20
	Endrin aldehyde	19.2	0	16.1	ug/kg	84		0		59	132	20
	alpha-Chlordane	19.2	0	17.4	ug/kg	91		1		30	192	20
	gamma-Chlordane	19.2	0	17.2	ug/kg	90		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

Datafile : PL092641.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164398BS	alpha-BHC	16.66	16.2	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.66	16.4	ug/kg	98				83	125	
	Heptachlor	16.66	16.7	ug/kg	100				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	16.4	ug/kg	98				85	121	
	4,4'-DDE	16.66	16.8	ug/kg	101				81	123	
	Endrin	16.66	16.1	ug/kg	97				76	130	
	Endosulfan II	16.66	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.66	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.66	16.3	ug/kg	98				81	122	
	4,4'-DDT	16.66	16.1	ug/kg	97				70	129	
	Methoxychlor	16.66	17.8	ug/kg	107				60	119	
	Endrin ketone	16.66	17.2	ug/kg	103				77	132	
	Endrin aldehyde	16.66	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.66	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.66	16.4	ug/kg	98				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164398BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164398BL

Lab File ID: PL092640.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/25/2024

Date Analyzed (1): 10/25/2024

Date Analyzed (2): 10/25/2024

Time Analyzed (1): 16:46

Time Analyzed (2): 16:46

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164398BS	PB164398BS	PL092641.D	10/25/2024	10/25/2024
BP-F-20MS	P4547-05MS	PL092647.D	10/25/2024	10/25/2024
BP-F-20MSD	P4547-05MSD	PL092648.D	10/25/2024	10/25/2024
PT-PEST-SOIL	P4495-20	PL092818.D	11/04/2024	11/04/2024

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	219	E	0.18	1.70	ug/kg
319-85-7	beta-BHC	272	E	0.49	1.70	ug/kg
319-86-8	delta-BHC	273	E	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	136	E	0.19	1.70	ug/kg
76-44-8	Heptachlor	261	E	0.17	1.70	ug/kg
309-00-2	Aldrin	92.9	E	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	86.8	E	0.23	1.70	ug/kg
959-98-8	Endosulfan I	38.7	E	0.17	1.70	ug/kg
60-57-1	Dieldrin	315	E	0.15	1.70	ug/kg
72-55-9	4,4-DDE	326	E	0.13	1.70	ug/kg
72-20-8	Endrin	43.6	E	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	156	E	0.30	1.70	ug/kg
72-54-8	4,4-DDD	211	E	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	55.1	E	0.13	1.70	ug/kg
50-29-3	4,4-DDT	106	E	0.17	1.70	ug/kg
72-43-5	Methoxychlor	39.1	E	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	171	E	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	26.9		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	79.7	E	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	237	E	0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		10 - 159	111%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.16	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	10000
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Test:	PESTICIDE Group1
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

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\PL110424\
 Data File : PL092818.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2024 11:12
 Operator : AR\AJ
 Sample : P4495-20
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-SOIL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/05/2024
 Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 03:09:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.778	54514127	52900970	22.249	19.441m
28) SA Decachlor...	9.064	7.919	35540208	52458321	18.467	19.221
Target Compounds						
2) A alpha-BHC	4.005	3.283	2127.0E6	2630.7E6	627.148	659.304
3) MA gamma-BHC...	4.338	3.612	1209.1E6	1577.3E6	370.929	408.676
4) MA Heptachlor	4.925	3.951	2275.1E6	2966.2E6	757.567m	785.965
5) MB Aldrin	5.268	4.231	733.5E6	1025.8E6	244.378	280.252
6) B beta-BHC	4.535	3.912	1033.4E6	1352.0E6	714.923	821.254
7) B delta-BHC	4.782	4.141	2483.2E6	3164.5E6	793.399	823.422
8) B Heptachlo...	5.694	4.733	624.5E6	874.7E6	226.162	261.768
9) A Endosulfan I	6.079	5.104	257.7E6	356.6E6	103.016	116.800
10) B gamma-Chl...	5.950	4.984	1657.8E6	2407.9E6	623.073	716.275
11) B alpha-Chl...	6.029	5.047	542.8E6	799.9E6	204.960	240.512
12) B 4,4'-DDE	6.202	5.236	2085.0E6	3168.0E6	880.062	983.370
13) MA Dieldrin	6.354	5.368	2288.4E6	3171.7E6	868.290	949.531
14) MA Endrin	6.584	5.644	237.4E6	380.4E6	104.292	131.481 #
15) B Endosulfa...	6.803	5.938	928.8E6	1335.9E6	389.635	471.521
16) A 4,4'-DDD	6.719	5.791	1042.4E6	1586.2E6	543.069	637.015
17) MA 4,4'-DDT	7.033	6.042	530.1E6	854.0E6	256.134	318.371
18) B Endrin al...	6.932	6.118	129.9E6	186.9E6	69.145	81.020
19) B Endosulfa...	7.167	6.341	305.6E6	447.8E6	140.806	166.058
20) A Methoxychlor	7.508	6.617	127.1E6	168.6E6	111.501	118.039
21) B Endrin ke...	7.652	6.846	1132.4E6	1579.7E6	467.404	514.750

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092818.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 11:12
Operator : AR\AJ
Sample : P4495-20
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-SOIL

Manual Integrations

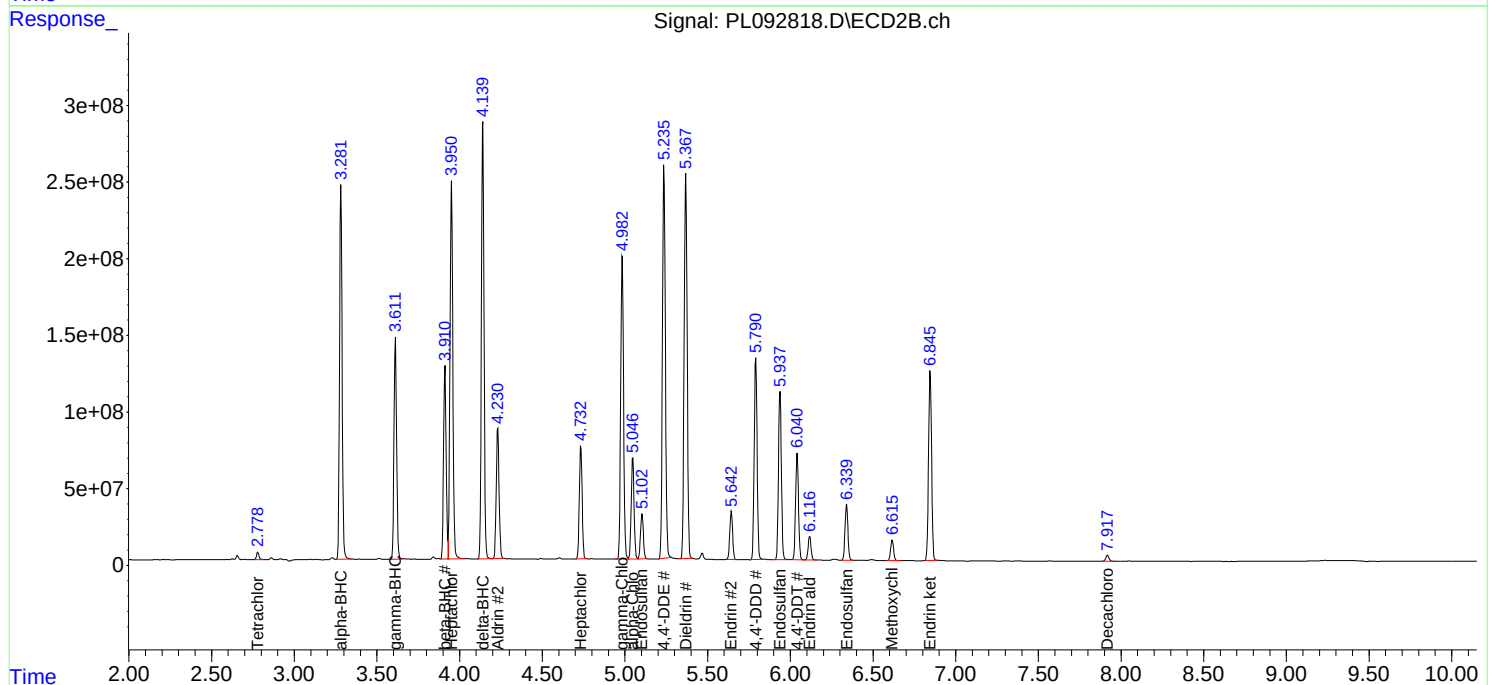
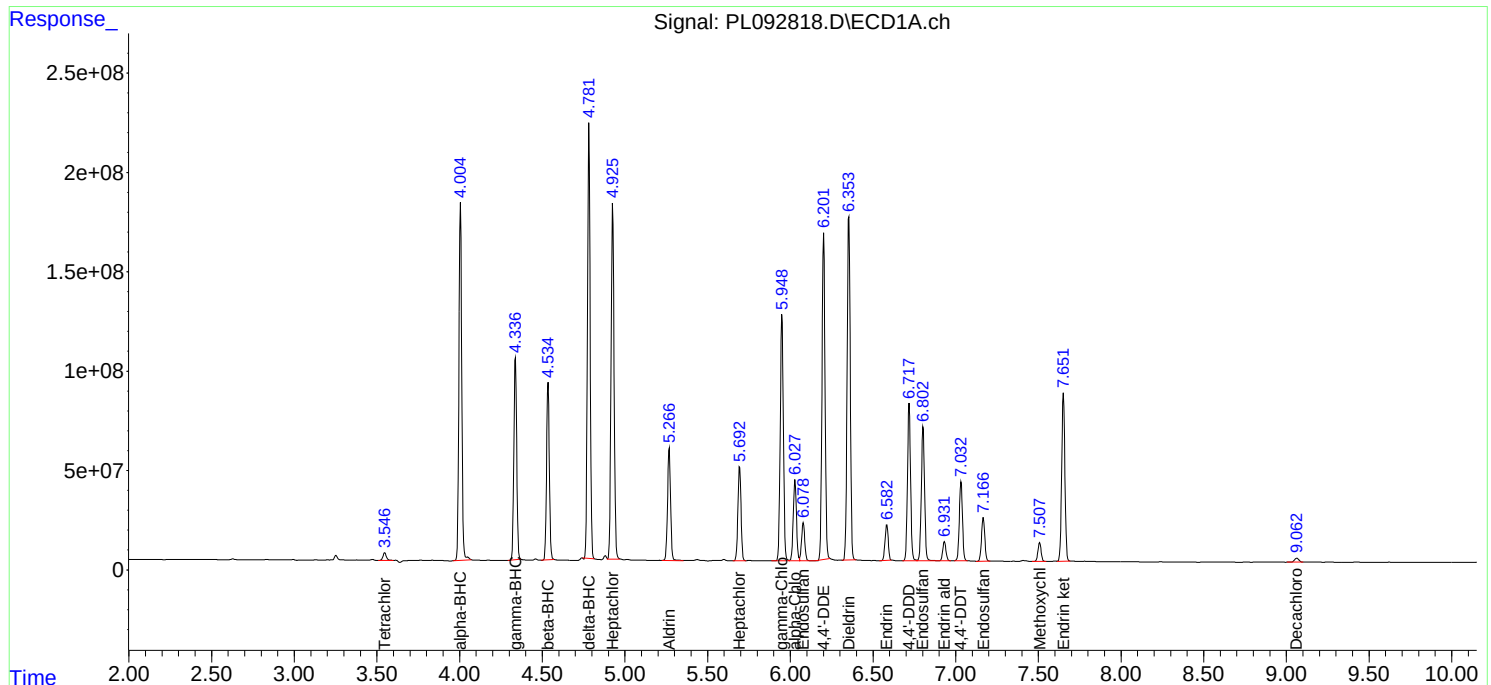
APPROVED

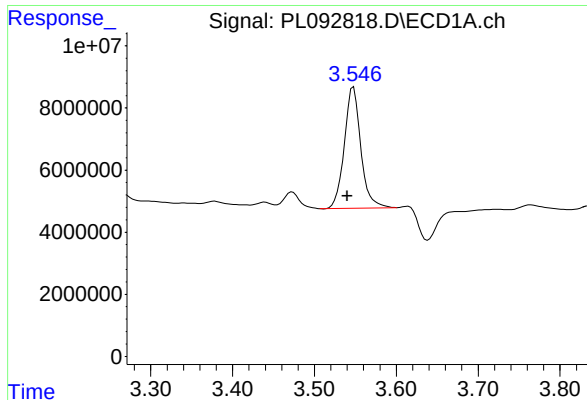
Reviewed By :Abdul Mirza 11/05/2024

Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:09:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





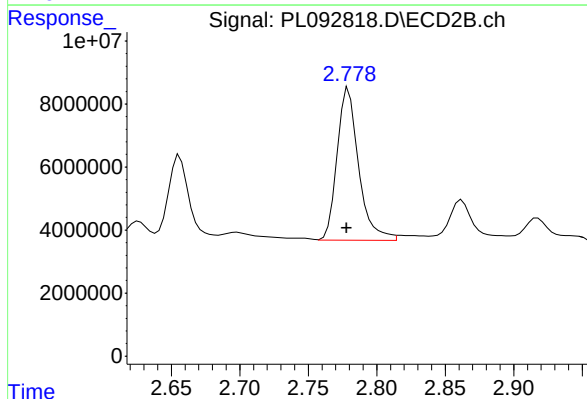
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.008 min
Response: 54514127
Conc: 22.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

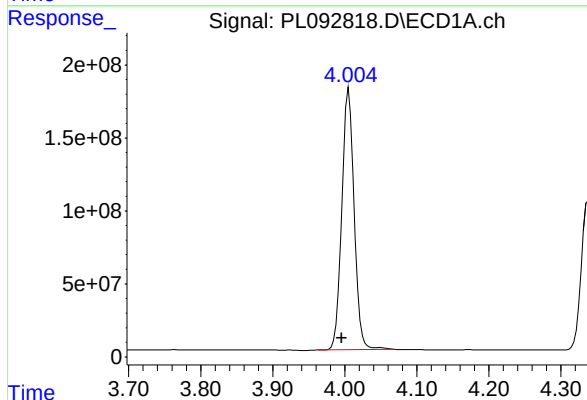
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



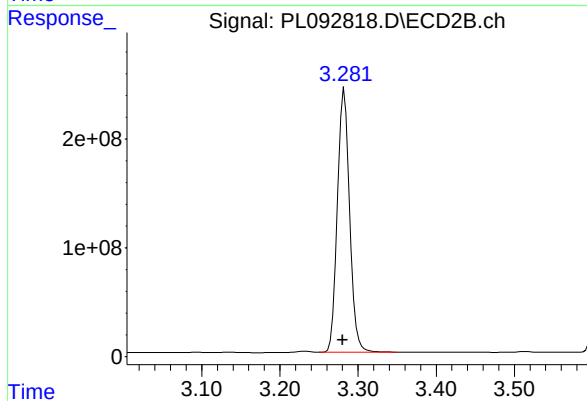
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 52900970
Conc: 19.44 ng/ml



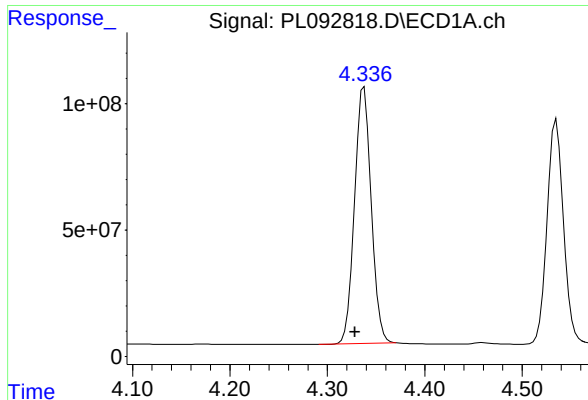
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.010 min
Response: 2127016933
Conc: 627.15 ng/ml



#2 alpha-BHC

R.T.: 3.283 min
Delta R.T.: 0.002 min
Response: 2630735865
Conc: 659.30 ng/ml



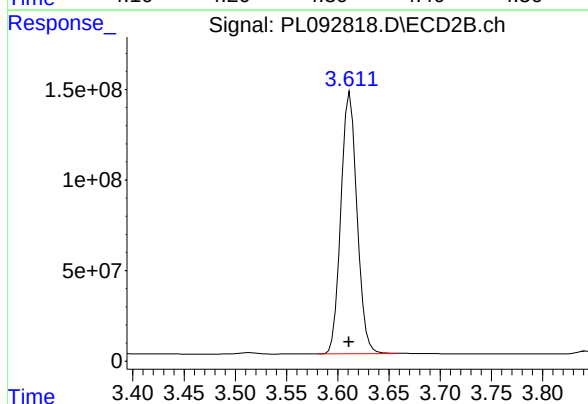
#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.009 min
Response: 1209065980
Conc: 370.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

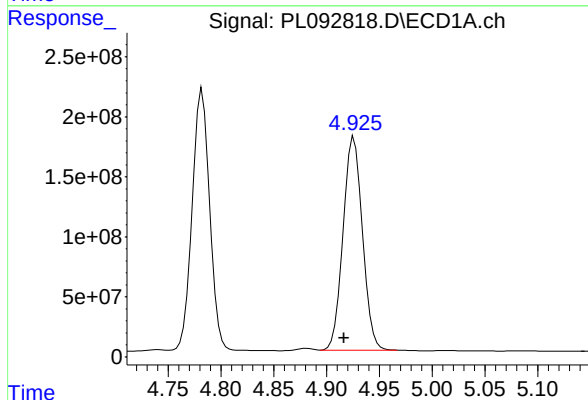
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



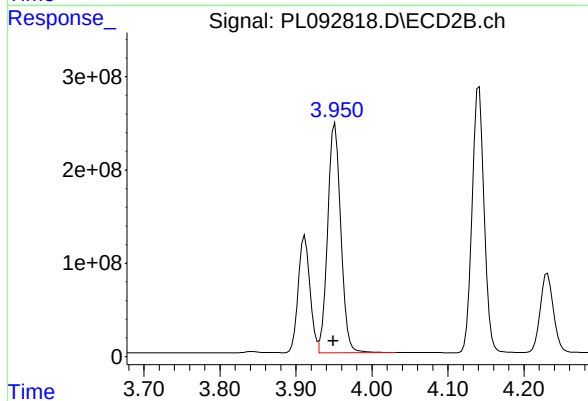
#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.001 min
Response: 1577264976
Conc: 408.68 ng/ml



#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.008 min
Response: 2275061664
Conc: 757.57 ng/ml m



#4 Heptachlor

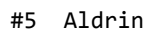
R.T.: 3.951 min
Delta R.T.: 0.002 min
Response: 2966173617
Conc: 785.96 ng/ml



Instrument :
ECD_L

ClientSampleId :
PT-PEST-SOIL

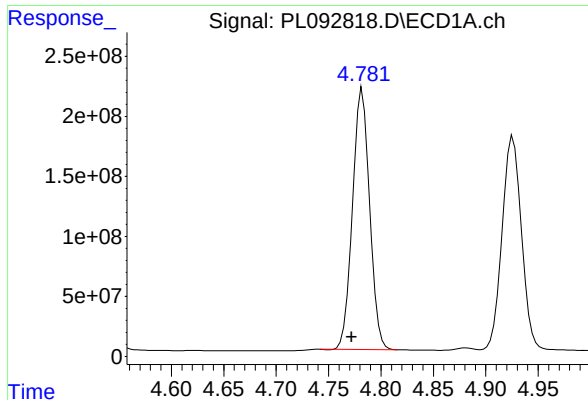
Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



#6 beta-BHC

#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 1351989039
Conc: 821.25 ng/ml



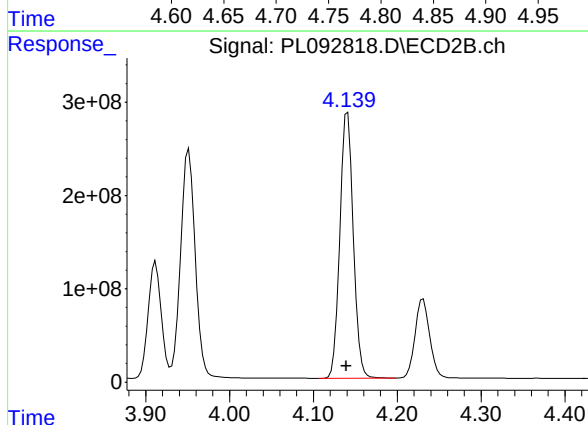
#7 delta-BHC

R.T.: 4.782 min
Delta R.T.: 0.010 min
Response: 2483240720
Conc: 793.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

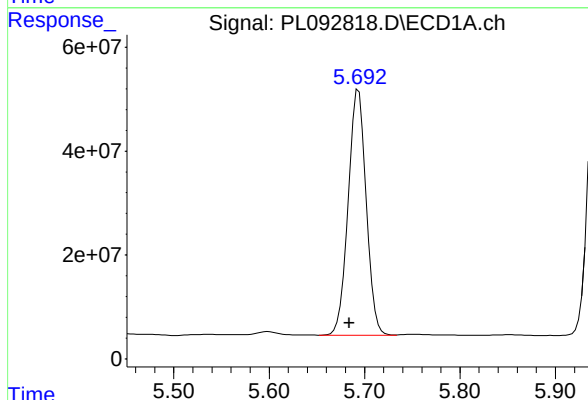
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



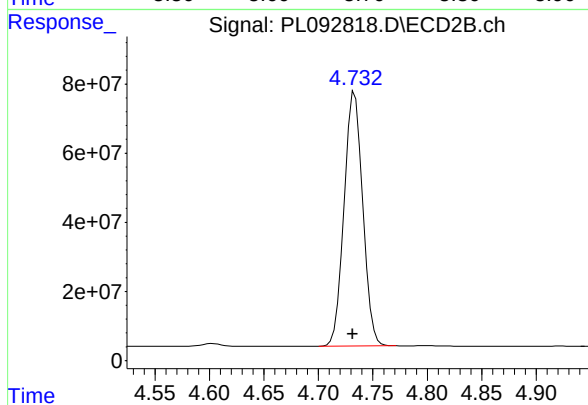
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.002 min
Response: 3164538296
Conc: 823.42 ng/ml



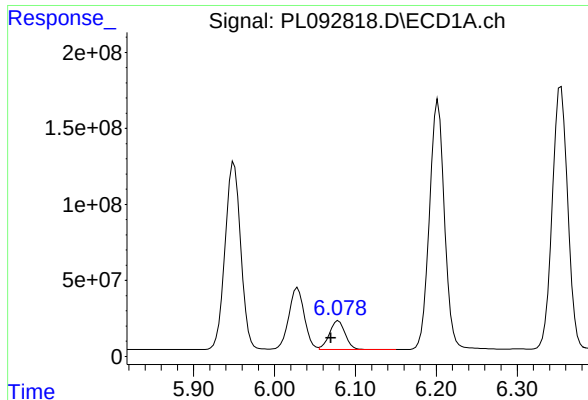
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.009 min
Response: 624526924
Conc: 226.16 ng/ml



#8 Heptachlor epoxide

R.T.: 4.733 min
Delta R.T.: 0.002 min
Response: 874673560
Conc: 261.77 ng/ml



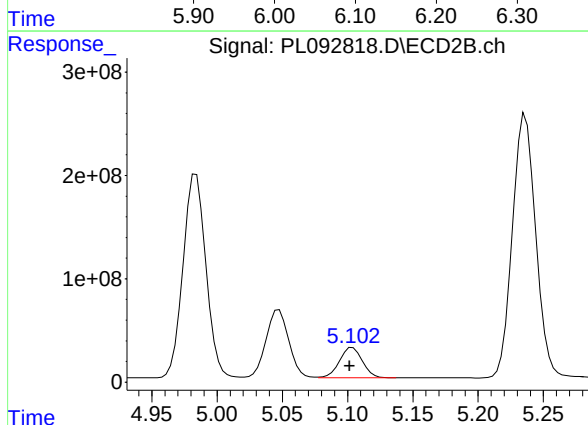
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.009 min
Response: 257679898
Conc: 103.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

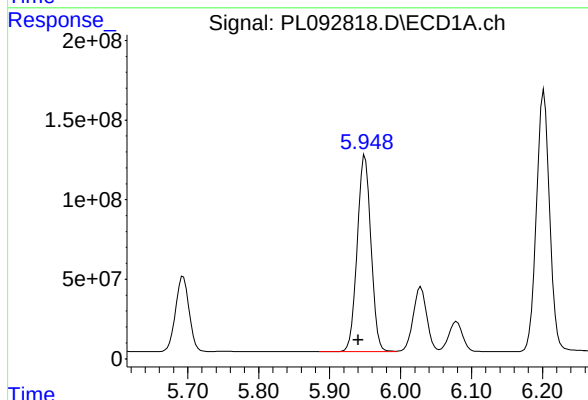
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



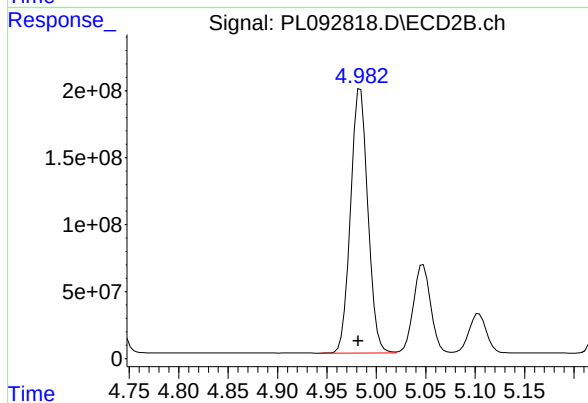
#9 Endosulfan I

R.T.: 5.104 min
Delta R.T.: 0.002 min
Response: 356605555
Conc: 116.80 ng/ml



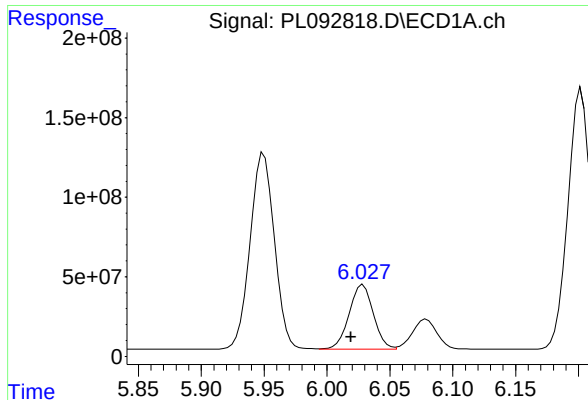
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.009 min
Response: 1657771626
Conc: 623.07 ng/ml



#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.002 min
Response: 2407896362
Conc: 716.28 ng/ml



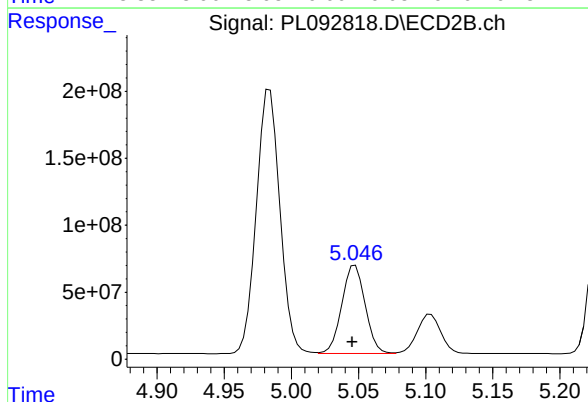
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.009 min
Response: 542763162
Conc: 204.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

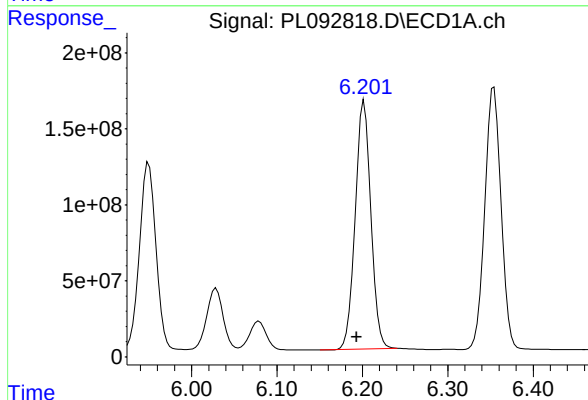
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



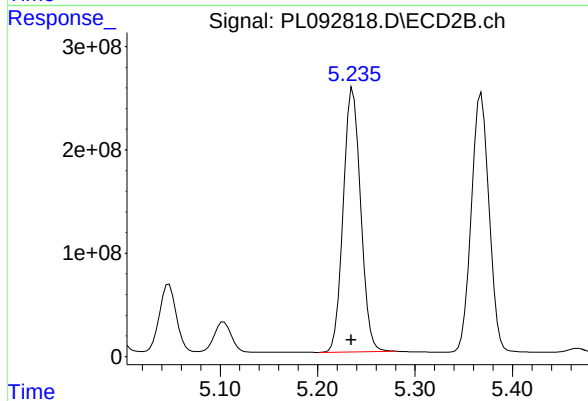
#11 alpha-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.002 min
Response: 799948199
Conc: 240.51 ng/ml



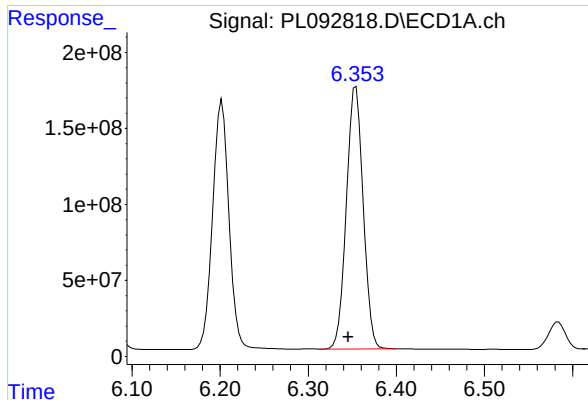
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.009 min
Response: 2085033573
Conc: 880.06 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 3168033116
Conc: 983.37 ng/ml



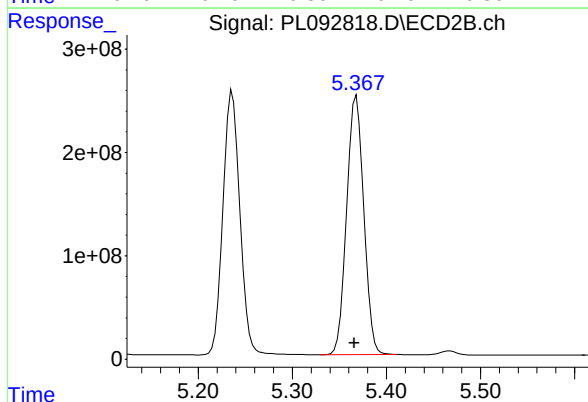
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.009 min
Response: 2288356842
Conc: 868.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

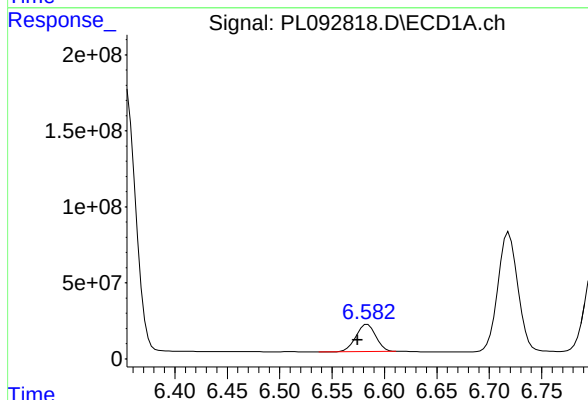
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



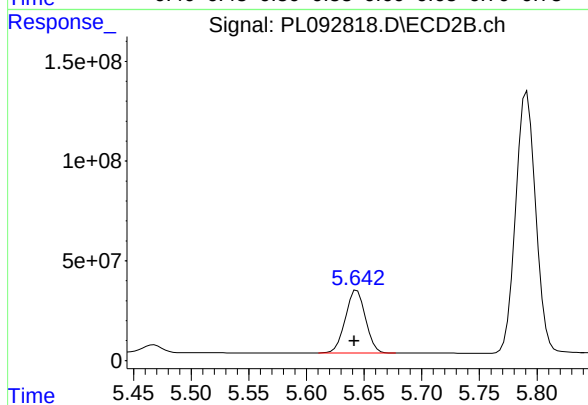
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.002 min
Response: 3171720554
Conc: 949.53 ng/ml



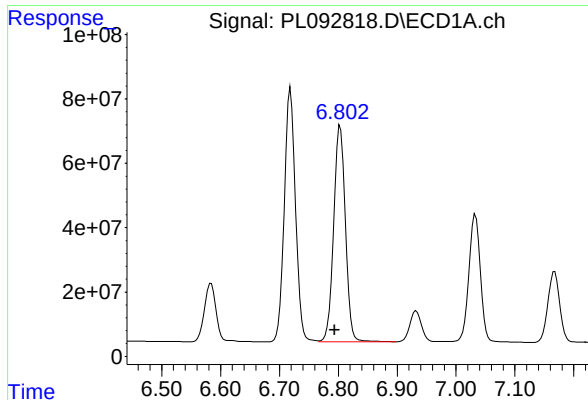
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.010 min
Response: 237436646
Conc: 104.29 ng/ml



#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.002 min
Response: 380374835
Conc: 131.48 ng/ml



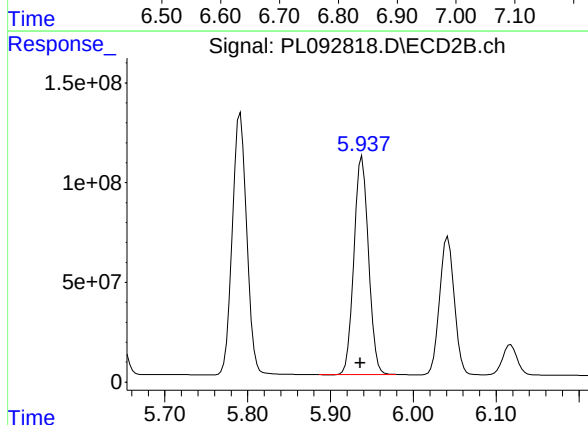
#15 Endosulfan II

R.T.: 6.803 min
Delta R.T.: 0.009 min
Response: 928824738
Conc: 389.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

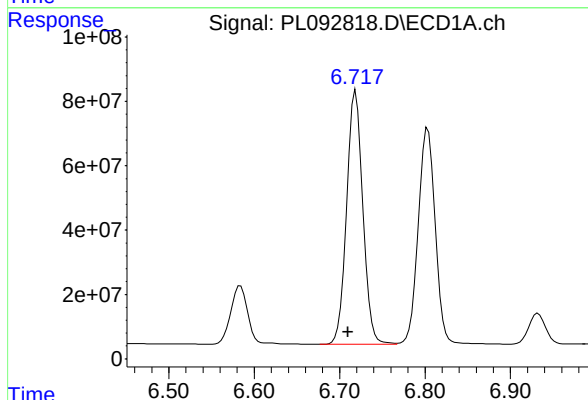
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



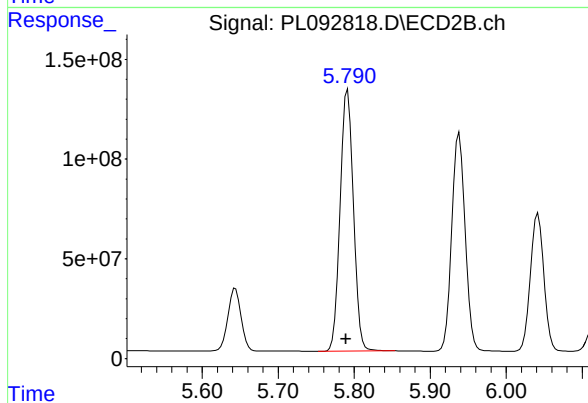
#15 Endosulfan II

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 1335949625
Conc: 471.52 ng/ml



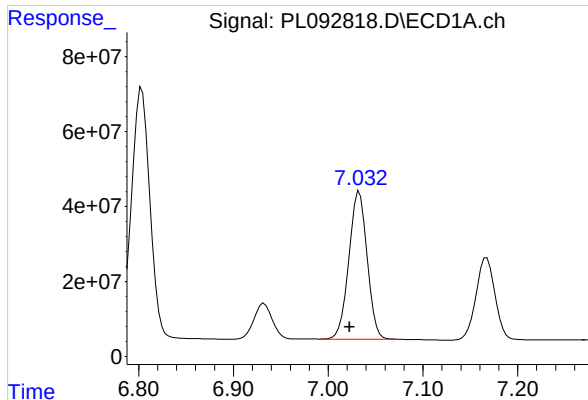
#16 4,4'-DDD

R.T.: 6.719 min
Delta R.T.: 0.009 min
Response: 1042433558
Conc: 543.07 ng/ml



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 1586207897
Conc: 637.01 ng/ml



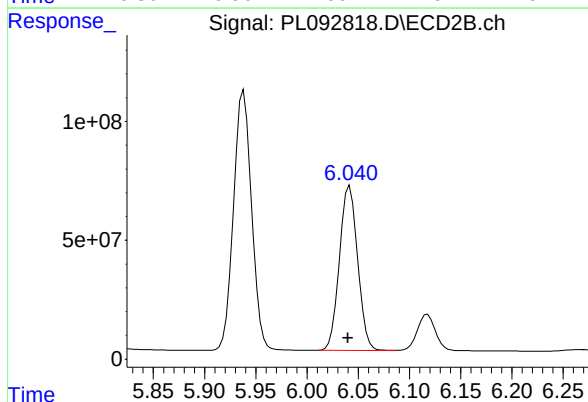
#17 4,4'-DDT

R.T.: 7.033 min
Delta R.T.: 0.010 min
Response: 530134092
Conc: 256.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

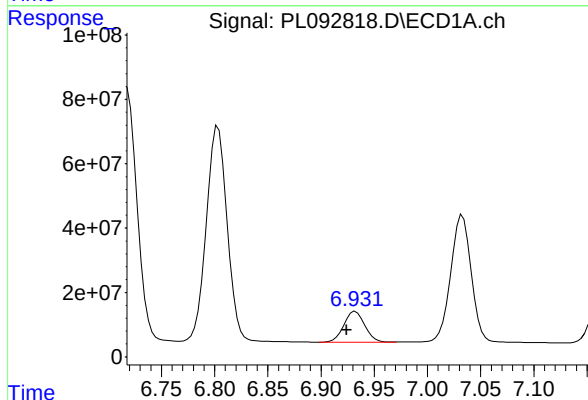
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



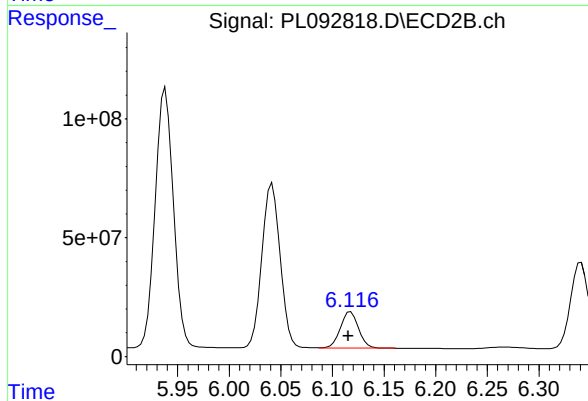
#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 853954980
Conc: 318.37 ng/ml



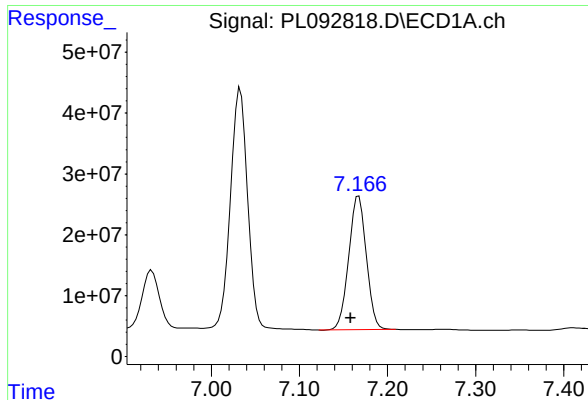
#18 Endrin aldehyde

R.T.: 6.932 min
Delta R.T.: 0.008 min
Response: 129852662
Conc: 69.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.118 min
Delta R.T.: 0.003 min
Response: 186936183
Conc: 81.02 ng/ml



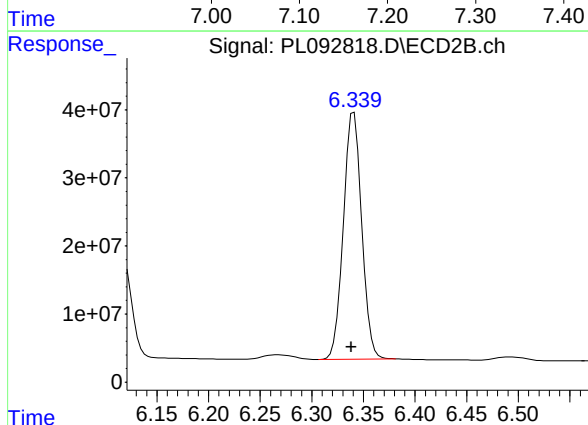
#19 Endosulfan Sulfate

R.T.: 7.167 min
Delta R.T.: 0.009 min
Response: 305597077
Conc: 140.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

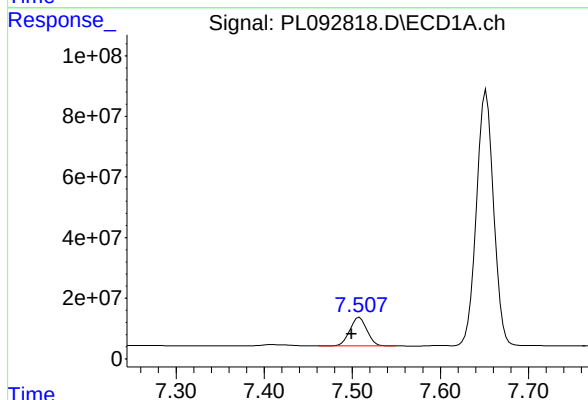
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



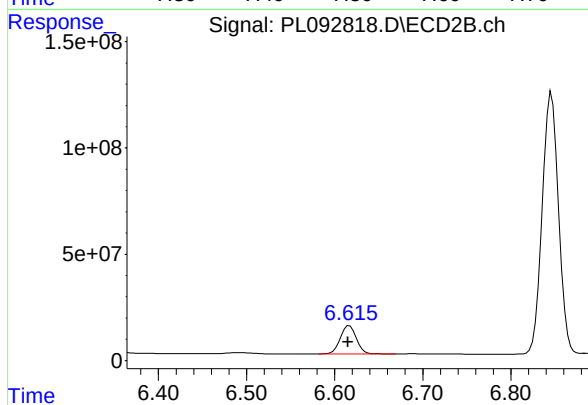
#19 Endosulfan Sulfate

R.T.: 6.341 min
Delta R.T.: 0.002 min
Response: 447839165
Conc: 166.06 ng/ml



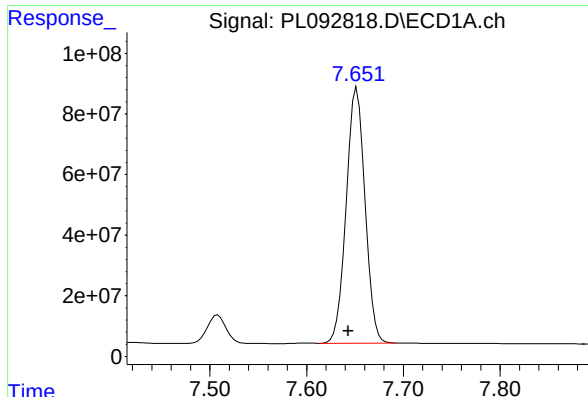
#20 Methoxychlor

R.T.: 7.508 min
Delta R.T.: 0.009 min
Response: 127111511
Conc: 111.50 ng/ml



#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: 0.002 min
Response: 168563156
Conc: 118.04 ng/ml



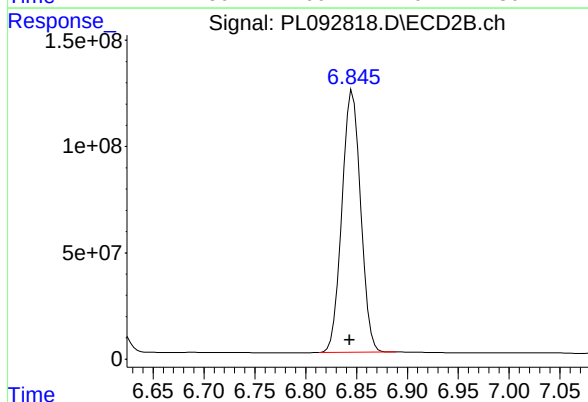
#21 Endrin ketone

R.T.: 7.652 min
Delta R.T.: 0.009 min
Response: 1132434104
Conc: 467.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

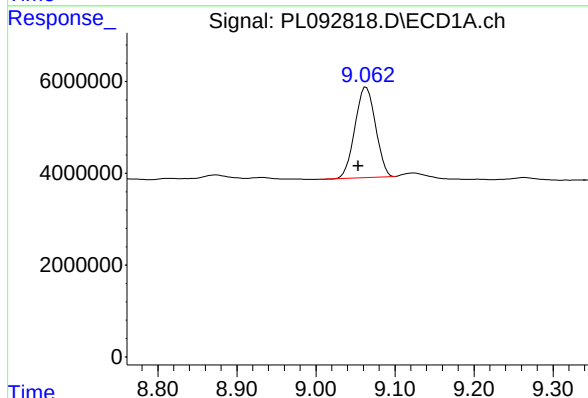
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



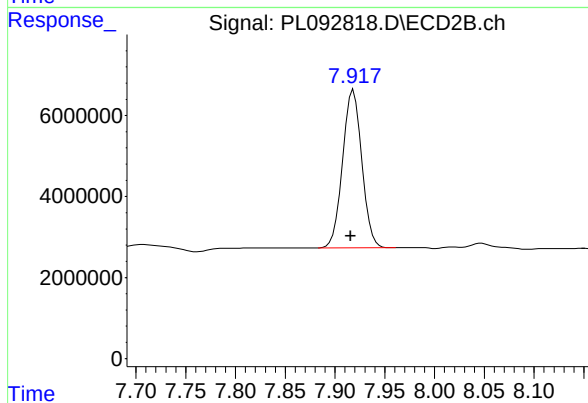
#21 Endrin ketone

R.T.: 6.846 min
Delta R.T.: 0.003 min
Response: 1579662571
Conc: 514.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.010 min
Response: 35540208
Conc: 18.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.003 min
Response: 52458321
Conc: 19.22 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	229	ED	0.36	3.40	ug/kg
319-85-7	beta-BHC	285	ED	0.97	3.40	ug/kg
319-86-8	delta-BHC	291	ED	0.94	3.40	ug/kg
58-89-9	gamma-BHC (Lindane)	140	ED	0.38	3.40	ug/kg
76-44-8	Heptachlor	298	ED	0.34	3.40	ug/kg
309-00-2	Aldrin	96.0	ED	0.28	3.40	ug/kg
1024-57-3	Heptachlor epoxide	90.6	ED	0.46	3.40	ug/kg
959-98-8	Endosulfan I	39.3	D	0.34	3.40	ug/kg
60-57-1	Dieldrin	342	ED	0.30	3.40	ug/kg
72-55-9	4,4-DDE	342	ED	0.26	3.40	ug/kg
72-20-8	Endrin	43.3	D	0.32	3.40	ug/kg
33213-65-9	Endosulfan II	159	ED	0.60	3.40	ug/kg
72-54-8	4,4-DDD	217	ED	0.38	3.40	ug/kg
1031-07-8	Endosulfan Sulfate	55.0	D	0.26	3.40	ug/kg
50-29-3	4,4-DDT	104	ED	0.34	3.40	ug/kg
72-43-5	Methoxychlor	41.6	D	0.76	3.40	ug/kg
53494-70-5	Endrin ketone	178	ED	0.44	3.40	ug/kg
7421-93-4	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
5103-71-9	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
5103-74-2	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		10 - 159	120%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

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\PL110424\
 Data File : PL092819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2024 11:26
 Operator : AR\AJ
 Sample : P4495-20DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-SOILDL

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 11/05/2024

Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 03:10:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.778	29328724	27219442	11.970	10.003m
28) SA Decachlor...	9.057	7.915	18517199	26427952	9.622	9.683
Target Compounds						
2) A alpha-BHC	3.999	3.282	1050.1E6	1376.1E6	309.614	344.876
3) MA gamma-BHC...	4.331	3.611	600.2E6	812.5E6	184.148	210.522
4) MA Heptachlor	4.920	3.950	1160.2E6	1693.7E6	386.336	448.792
5) MB Aldrin	5.261	4.230	366.7E6	529.8E6	122.178	144.737
6) B beta-BHC	4.529	3.911	527.1E6	707.6E6	364.690	429.809
7) B delta-BHC	4.776	4.140	1235.4E6	1686.4E6	394.712	438.810
8) B Heptachlo...	5.687	4.732	314.5E6	456.8E6	113.899	136.699
9) A Endosulfan I	6.072	5.102	132.1E6	181.0E6	52.793	59.286
10) B gamma-Chl...	5.943	4.982	812.2E6	1246.1E6	305.282	370.691
11) B alpha-Chl...	6.022	5.046	271.9E6	400.9E6	102.680	120.532
12) B 4,4'-DDE	6.196	5.235	1041.1E6	1662.3E6	439.431	515.974
13) MA Dieldrin	6.348	5.366	1154.6E6	1724.2E6	438.095	516.182
14) MA Endrin	6.577	5.641	120.7E6	189.0E6	53.015	65.313
15) B Endosulfa...	6.797	5.936	467.9E6	679.0E6	196.291	239.668
16) A 4,4'-DDD	6.713	5.789	517.4E6	815.3E6	269.556	327.429
17) MA 4,4'-DDT	7.027	6.039	261.1E6	420.7E6	126.137	156.841
18) B Endrin al...	6.927	6.115	69882626	93742886	37.212	40.629
19) B Endosulfa...	7.161	6.339	157.9E6	223.9E6	72.745	83.009
20) A Methoxychlor	7.502	6.615	66761966	89573522	58.563	62.725
21) B Endrin ke...	7.645	6.844	570.4E6	825.1E6	235.420	268.880

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
 Data File : PL092819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2024 11:26
 Operator : AR\AJ
 Sample : P4495-20DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-SOILDL

Manual Integrations

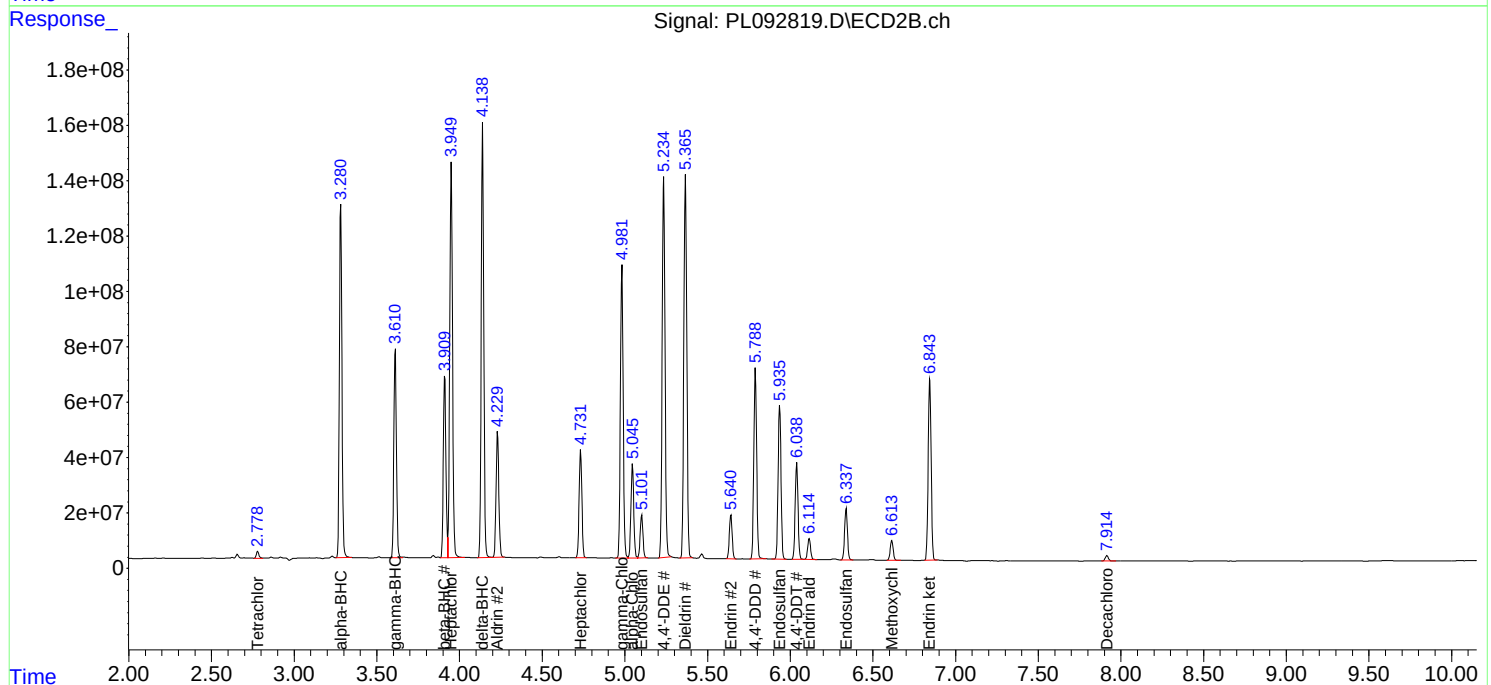
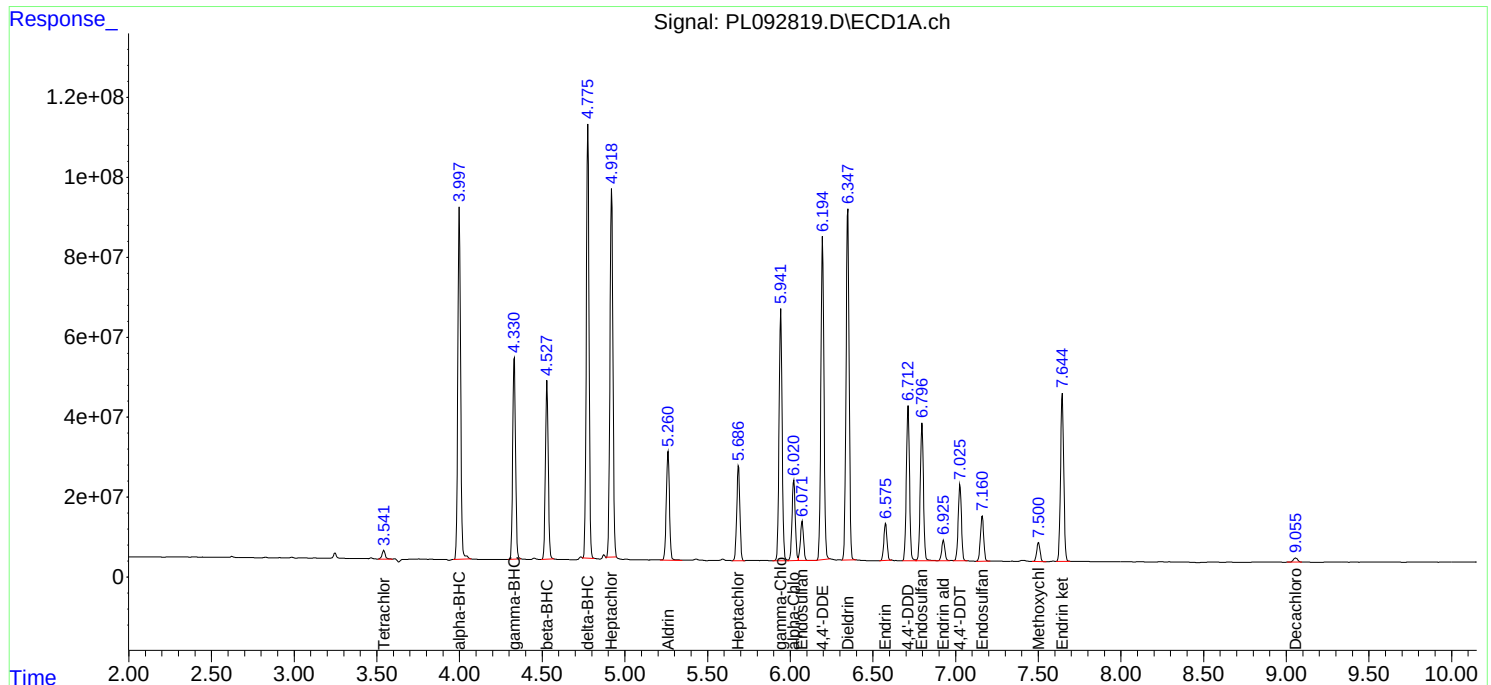
APPROVED

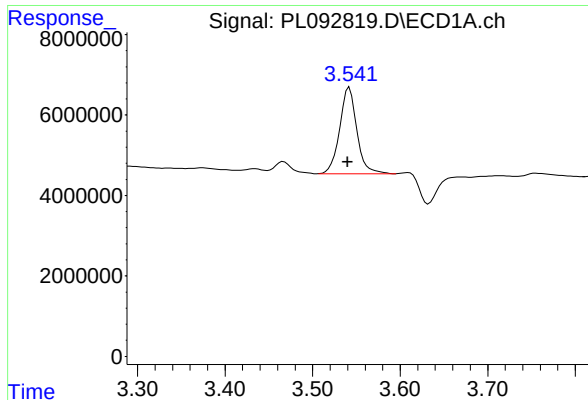
Reviewed By :Abdul Mirza 11/05/2024

Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 03:10:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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





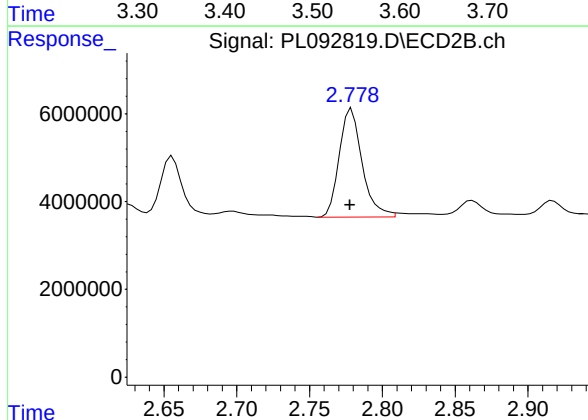
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 29328724
Conc: 11.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

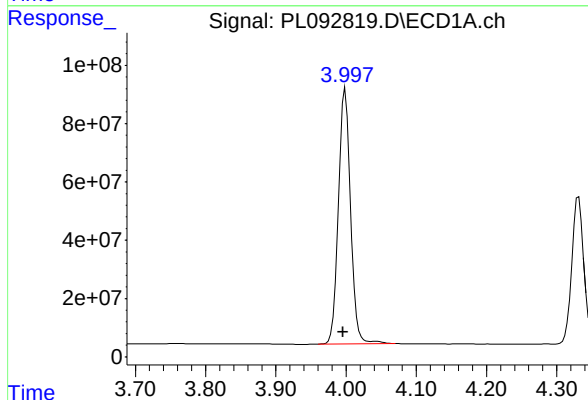
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



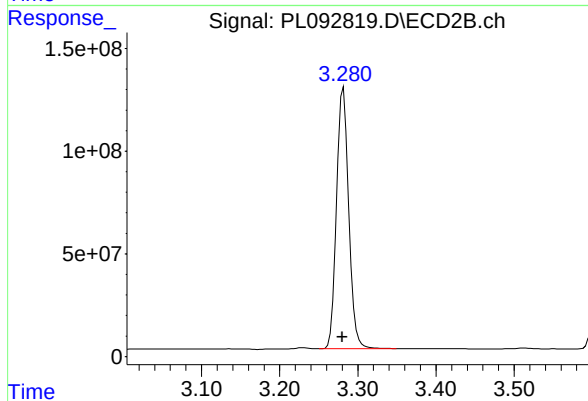
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 27219442
Conc: 10.00 ng/ml



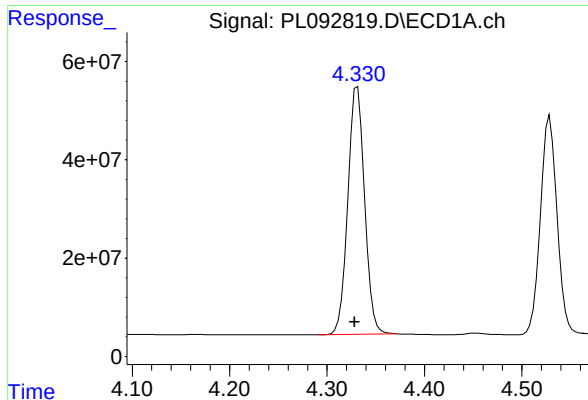
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.003 min
Response: 1050076916
Conc: 309.61 ng/ml



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.001 min
Response: 1376114442
Conc: 344.88 ng/ml



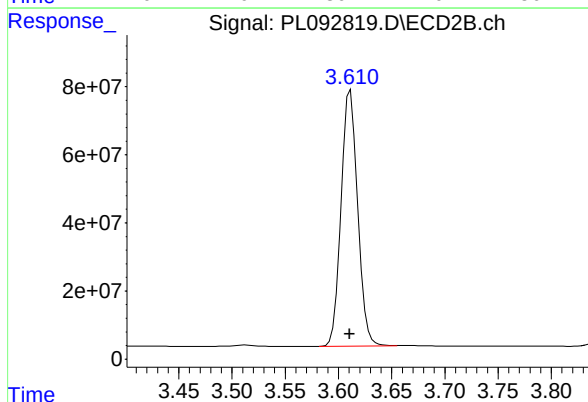
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.003 min
Response: 600242540
Conc: 184.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

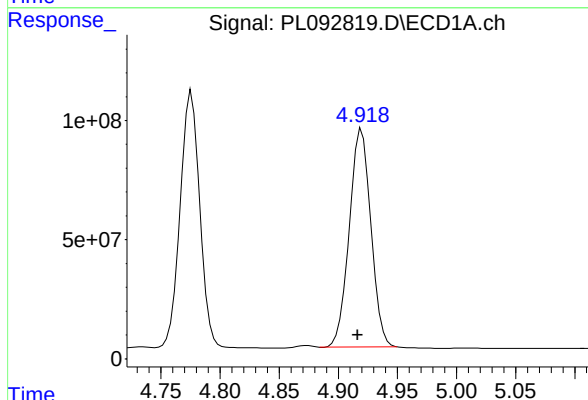
Manual Integrations
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Supervised By :Ankita Jodhani 11/05/2024



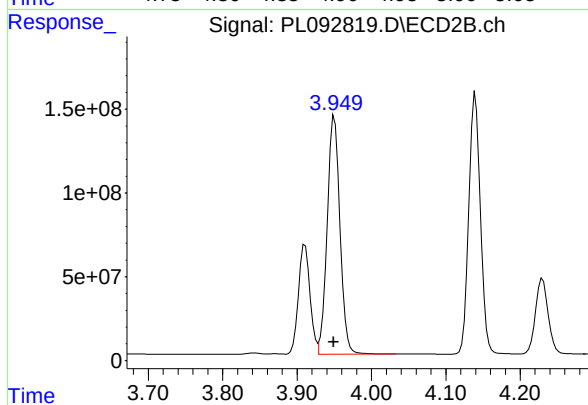
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 812498389
Conc: 210.52 ng/ml



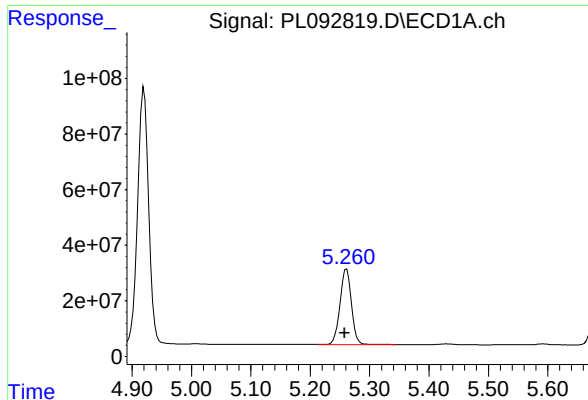
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.003 min
Response: 1160209895
Conc: 386.34 ng/ml



#4 Heptachlor

R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 1693706577
Conc: 448.79 ng/ml



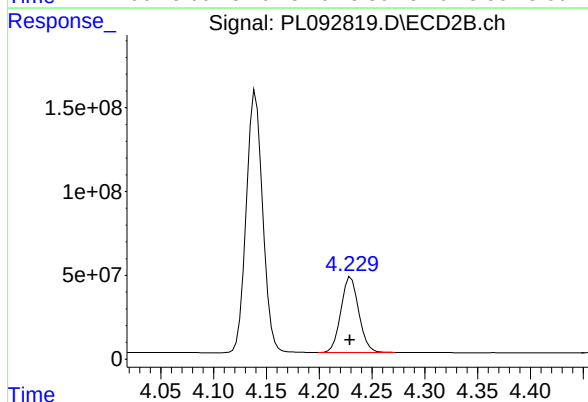
#5 Aldrin

R.T.: 5.261 min
Delta R.T.: 0.003 min
Response: 366714325
Conc: 122.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

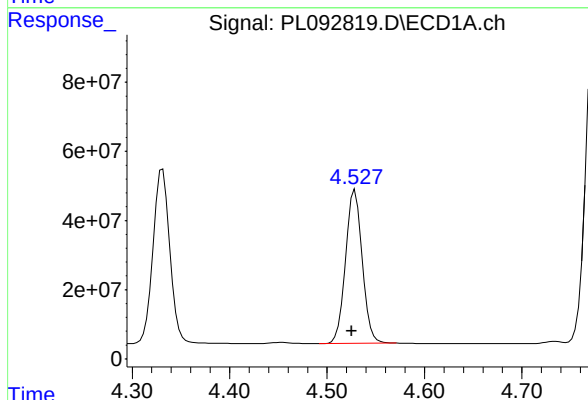
Manual Integrations
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Supervised By :Ankita Jodhani 11/05/2024



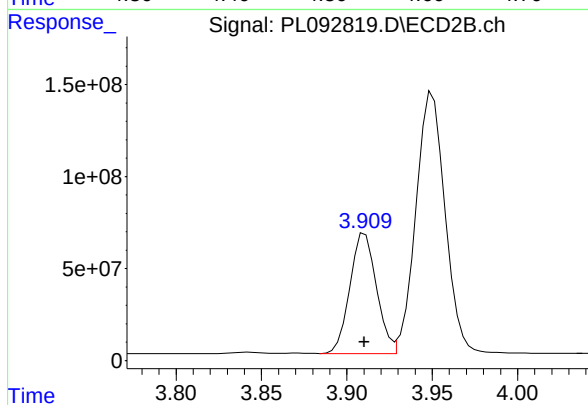
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 529767668
Conc: 144.74 ng/ml



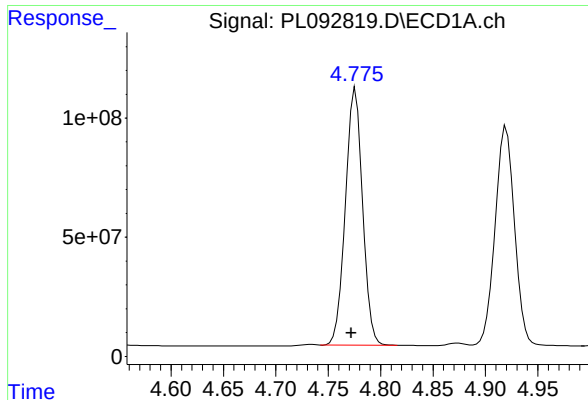
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.003 min
Response: 527144803
Conc: 364.69 ng/ml



#6 beta-BHC

R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 707572162
Conc: 429.81 ng/ml



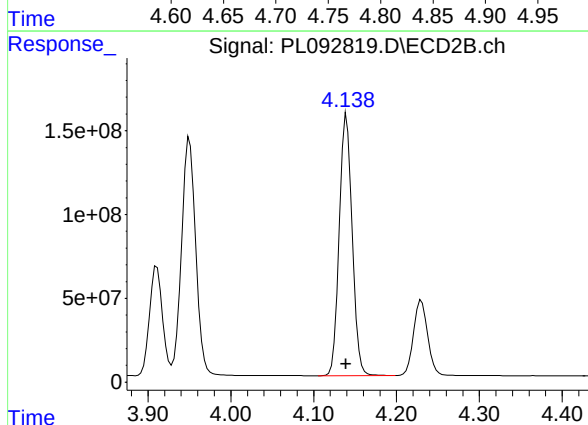
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.004 min
Response: 1235400195
Conc: 394.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

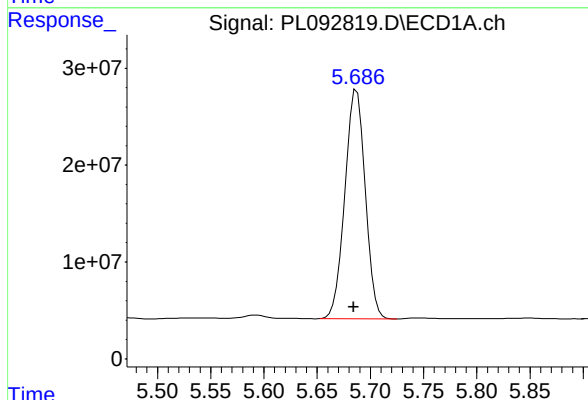
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



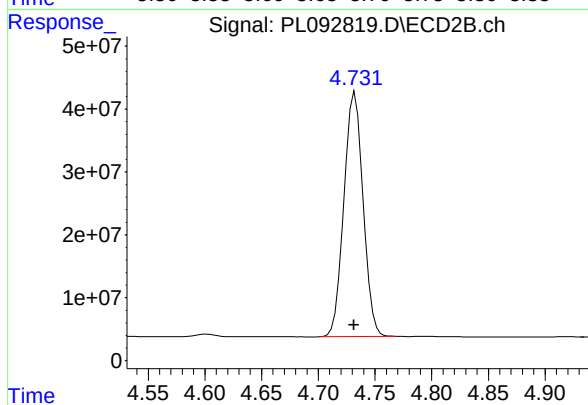
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 1686415369
Conc: 438.81 ng/ml



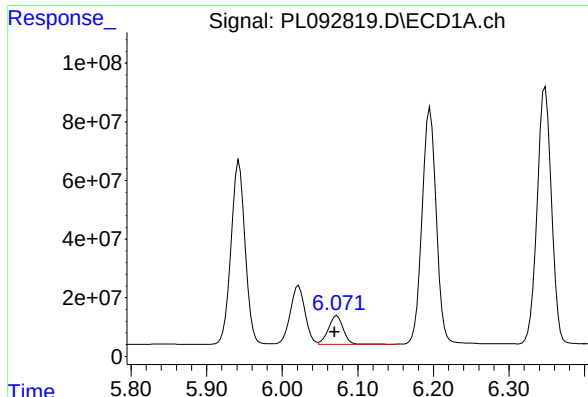
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.003 min
Response: 314521319
Conc: 113.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 456767171
Conc: 136.70 ng/ml



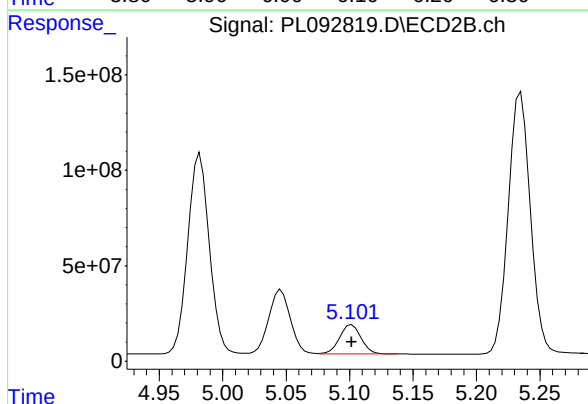
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 132055077
Conc: 52.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

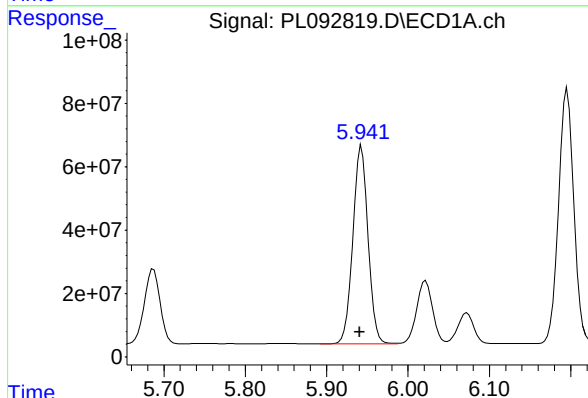
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
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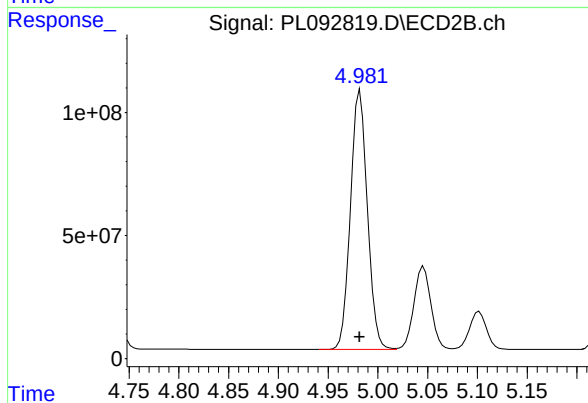
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 181007910
Conc: 59.29 ng/ml



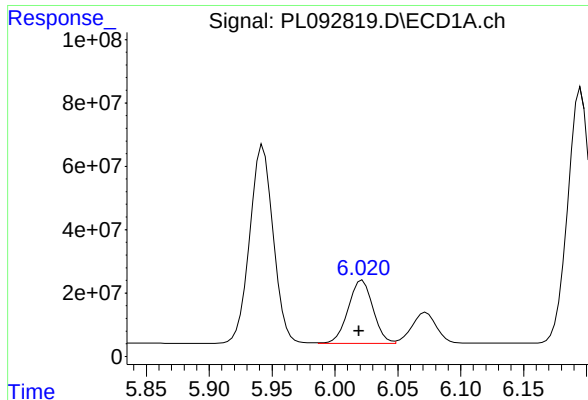
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.002 min
Response: 812244665
Conc: 305.28 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 1246148528
Conc: 370.69 ng/ml



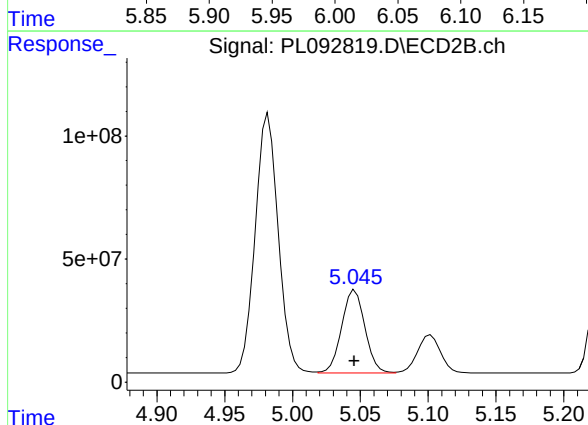
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.003 min
Response: 271910547
Conc: 102.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

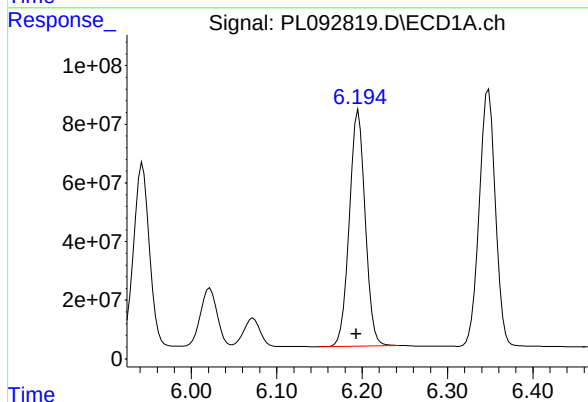
Manual Integrations
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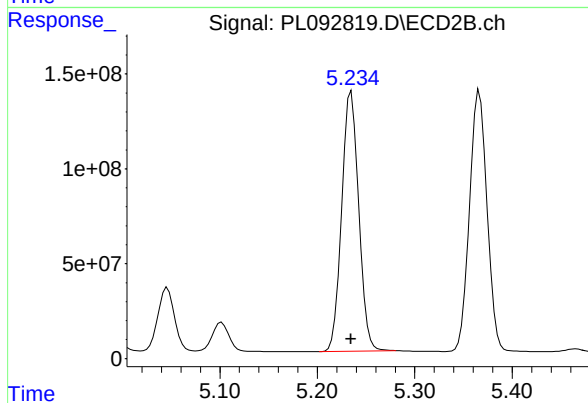
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 400892045
Conc: 120.53 ng/ml



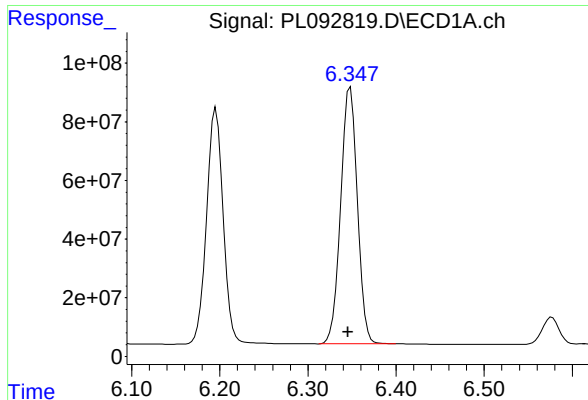
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.003 min
Response: 1041094651
Conc: 439.43 ng/ml



#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 1662267040
Conc: 515.97 ng/ml



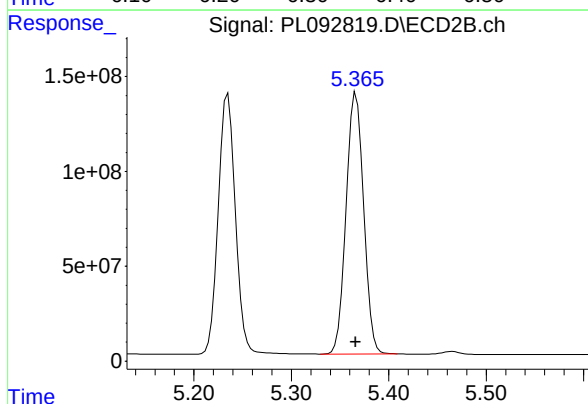
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.003 min
Response: 1154589784
Conc: 438.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

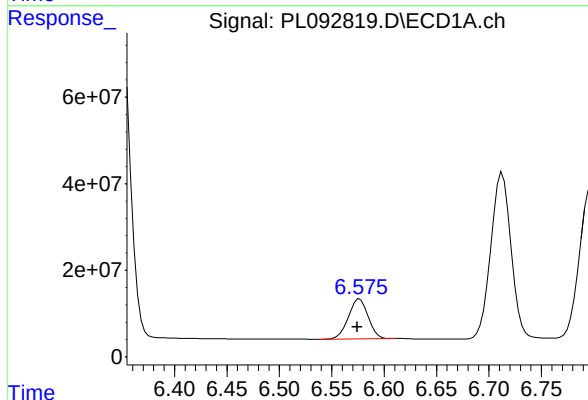
Manual Integrations
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Supervised By :Ankita Jodhani 11/05/2024



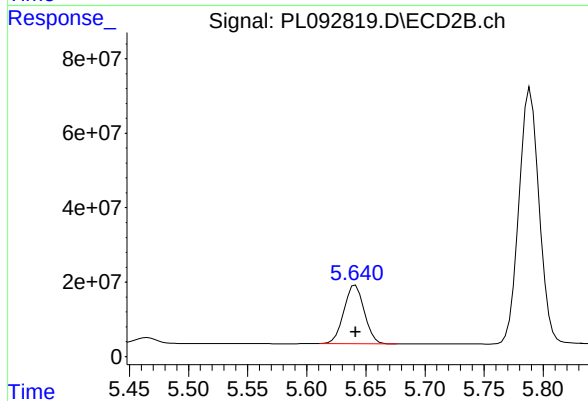
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 1724206234
Conc: 516.18 ng/ml



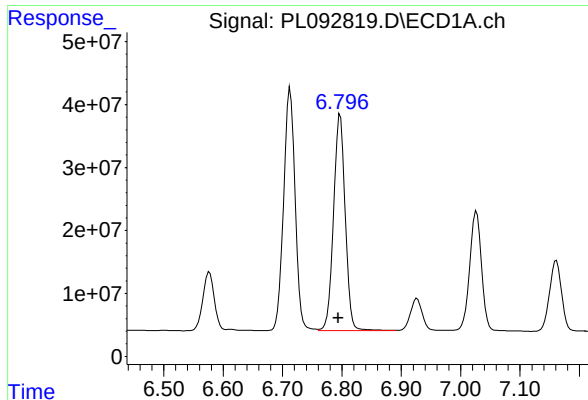
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 120697306
Conc: 53.02 ng/ml



#14 Endrin

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 188950787
Conc: 65.31 ng/ml



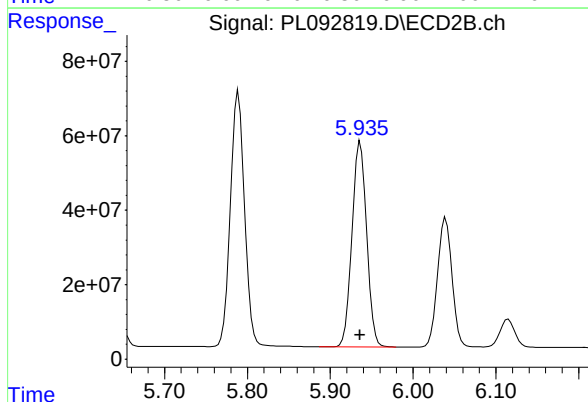
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.003 min
Response: 467923984
Conc: 196.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

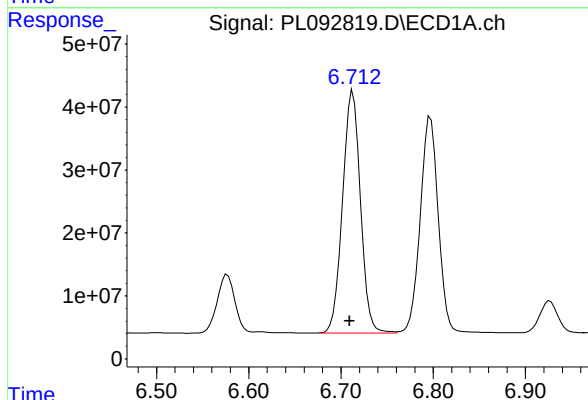
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



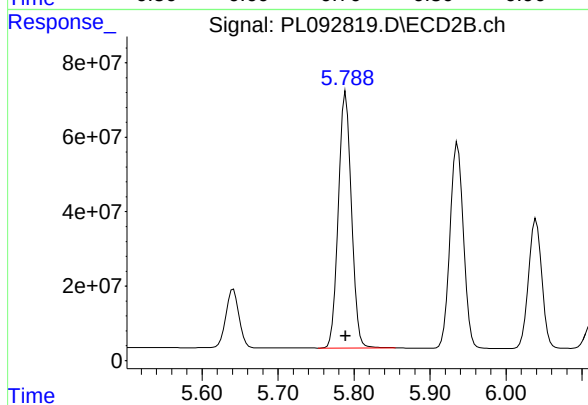
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 679046741
Conc: 239.67 ng/ml



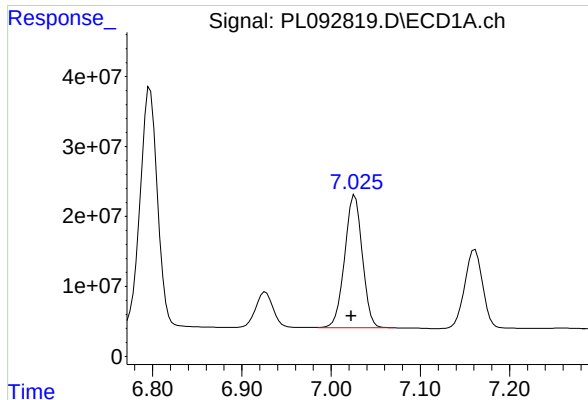
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 517419429
Conc: 269.56 ng/ml



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 815320138
Conc: 327.43 ng/ml



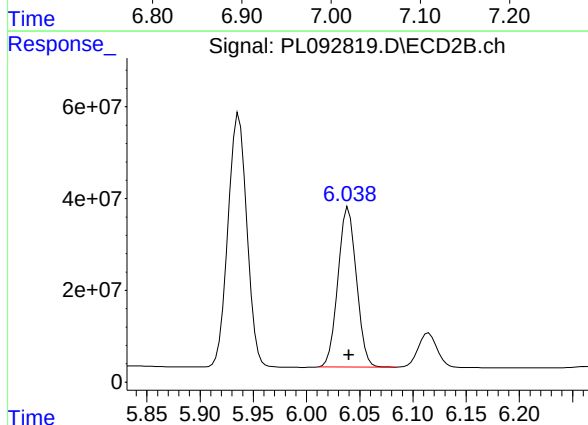
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.004 min
Response: 261072089
Conc: 126.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

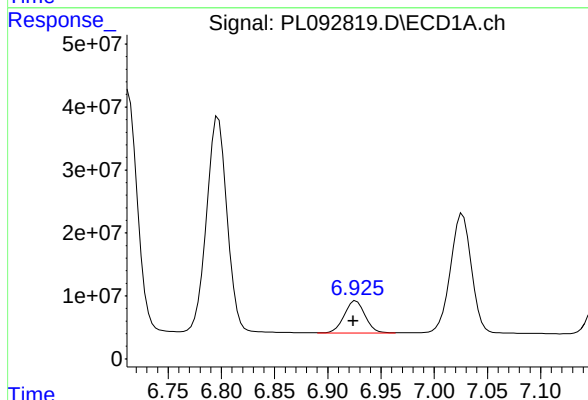
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



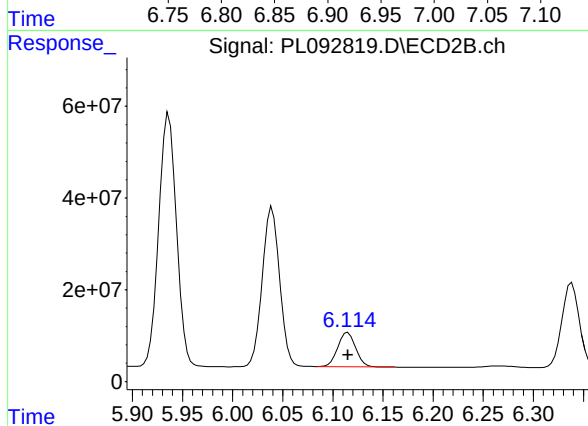
#17 4,4'-DDT

R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 420687008
Conc: 156.84 ng/ml



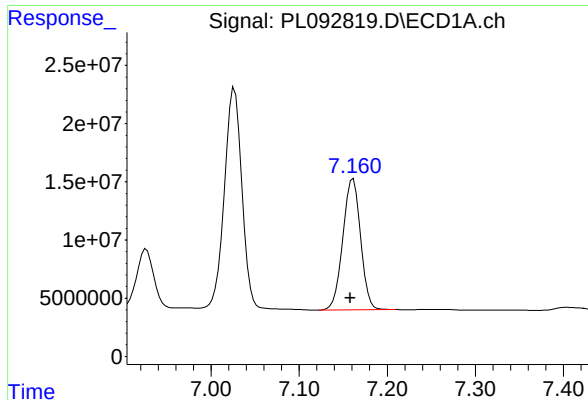
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.003 min
Response: 69882626
Conc: 37.21 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 93742886
Conc: 40.63 ng/ml



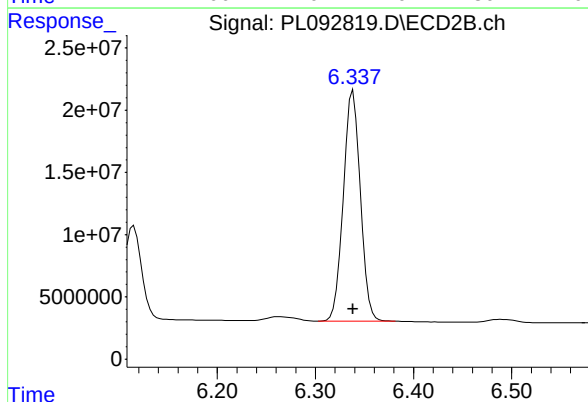
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.003 min
Response: 157881969
Conc: 72.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

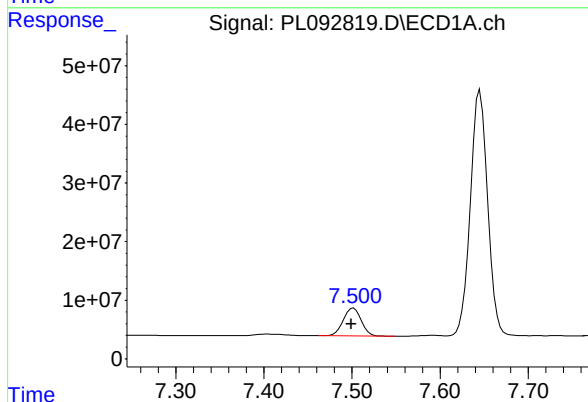
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



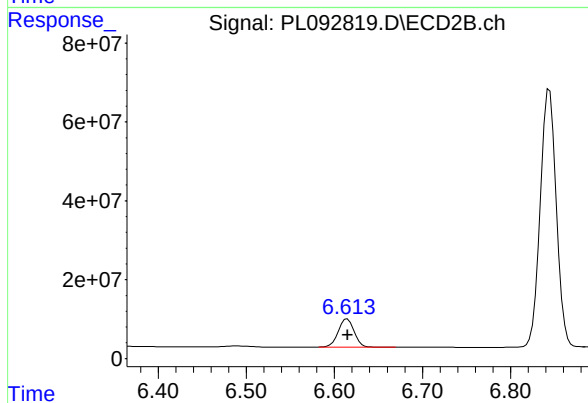
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 223863857
Conc: 83.01 ng/ml



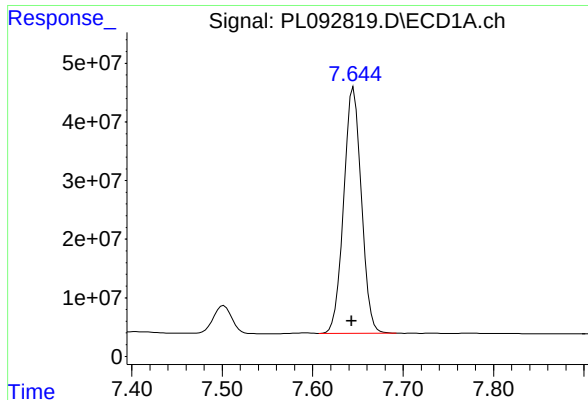
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.002 min
Response: 66761966
Conc: 58.56 ng/ml



#20 Methoxychlor

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 89573522
Conc: 62.73 ng/ml



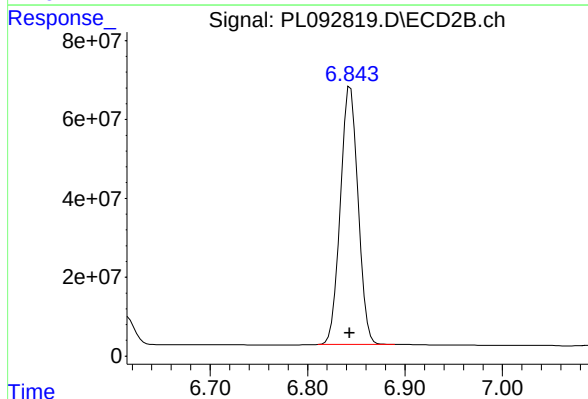
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.002 min
Response: 570379454
Conc: 235.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL

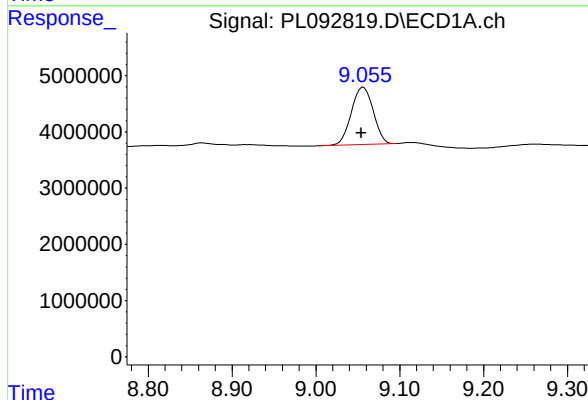
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



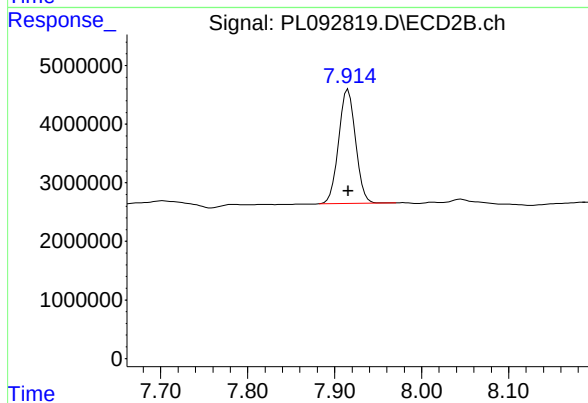
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 825137748
Conc: 268.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 18517199
Conc: 9.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 26427952
Conc: 9.68 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOILDL2	SDG No.:	P4495
Lab Sample ID:	P4495-20DL2	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.16	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	217	D	3.60	33.8	ug/kg
319-85-7	beta-BHC	305	D	9.70	33.8	ug/kg
319-86-8	delta-BHC	291	D	9.40	33.8	ug/kg
58-89-9	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
76-44-8	Heptachlor	317	D	3.40	33.8	ug/kg
309-00-2	Aldrin	96.0	D	2.80	33.8	ug/kg
1024-57-3	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
959-98-8	Endosulfan I	44.9	D	3.40	33.8	ug/kg
60-57-1	Dieldrin	362	D	3.00	33.8	ug/kg
72-55-9	4,4-DDE	351	D	2.60	33.8	ug/kg
72-20-8	Endrin	44.8	D	3.20	33.8	ug/kg
33213-65-9	Endosulfan II	165	D	6.00	33.8	ug/kg
72-54-8	4,4-DDD	215	D	3.80	33.8	ug/kg
1031-07-8	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
50-29-3	4,4-DDT	98.8	D	3.40	33.8	ug/kg
72-43-5	Methoxychlor	48.5	D	7.60	33.8	ug/kg
53494-70-5	Endrin ketone	194	D	4.40	33.8	ug/kg
7421-93-4	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
5103-71-9	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
5103-74-2	gamma-Chlordane	247	D	3.80	33.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	27.2		10 - 159	136%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL2		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL2		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

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\PL110424\
Data File : PL092820.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 11:39
Operator : AR\AJ
Sample : P4495-20DL2 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-SOILDL2

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/05/2024

Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:10:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	3324566	3040029	1.357m	1.117m
28) SA Decachlor...	9.056	7.915	2033911	2854475	1.057	1.046m
Target Compounds						
2) A alpha-BHC	3.997	3.281	107.7E6	130.7E6	31.748	32.747
3) MA gamma-BHC...	4.330	3.611	65104170	76748064	19.973	19.886
4) MA Heptachlor	4.918	3.950	132.4E6	180.3E6	44.093	47.771
5) MB Aldrin	5.259	4.229	43448321	51235904	14.476	13.998
6) B beta-BHC	4.527	3.911	63277736	75748441	43.777	46.013
7) B delta-BHC	4.774	4.139	127.7E6	168.6E6	40.802	43.880
8) B Heptachlo...	5.686	4.732	41407697	46486162	14.995	13.912
9) A Endosulfan I	6.071	5.101	16923011	18600180	6.766	6.092
10) B gamma-Chl...	5.942	4.982	90907422	125.2E6	34.168	37.235
11) B alpha-Chl...	6.021	5.045	33632008	40988946	12.700	12.324
12) B 4,4'-DDE	6.194	5.234	113.1E6	170.4E6	47.744	52.904
13) MA Dieldrin	6.346	5.366	127.8E6	182.5E6	48.490	54.650
14) MA Endrin	6.576	5.641	15359275	18869361	6.746	6.522
15) B Endosulfa...	6.796	5.936	56660447	70558229	23.769	24.903
16) A 4,4'-DDD	6.711	5.789	60078080	80697157	31.298	32.408
17) MA 4,4'-DDT	7.025	6.040	30699286	39967415	14.832	14.901
18) B Endrin al...	6.925	6.115	9031000	10392102	4.809	4.504
19) B Endosulfa...	7.159	6.338	20797218	23564491	9.582	8.738
20) A Methoxychlor	7.500	6.614	8348347	9933317	7.323	6.956
21) B Endrin ke...	7.645	6.844	69323896	89705392	28.613	29.231

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092820.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 11:39
Operator : AR\AJ
Sample : P4495-20DL2 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-SOILDL2

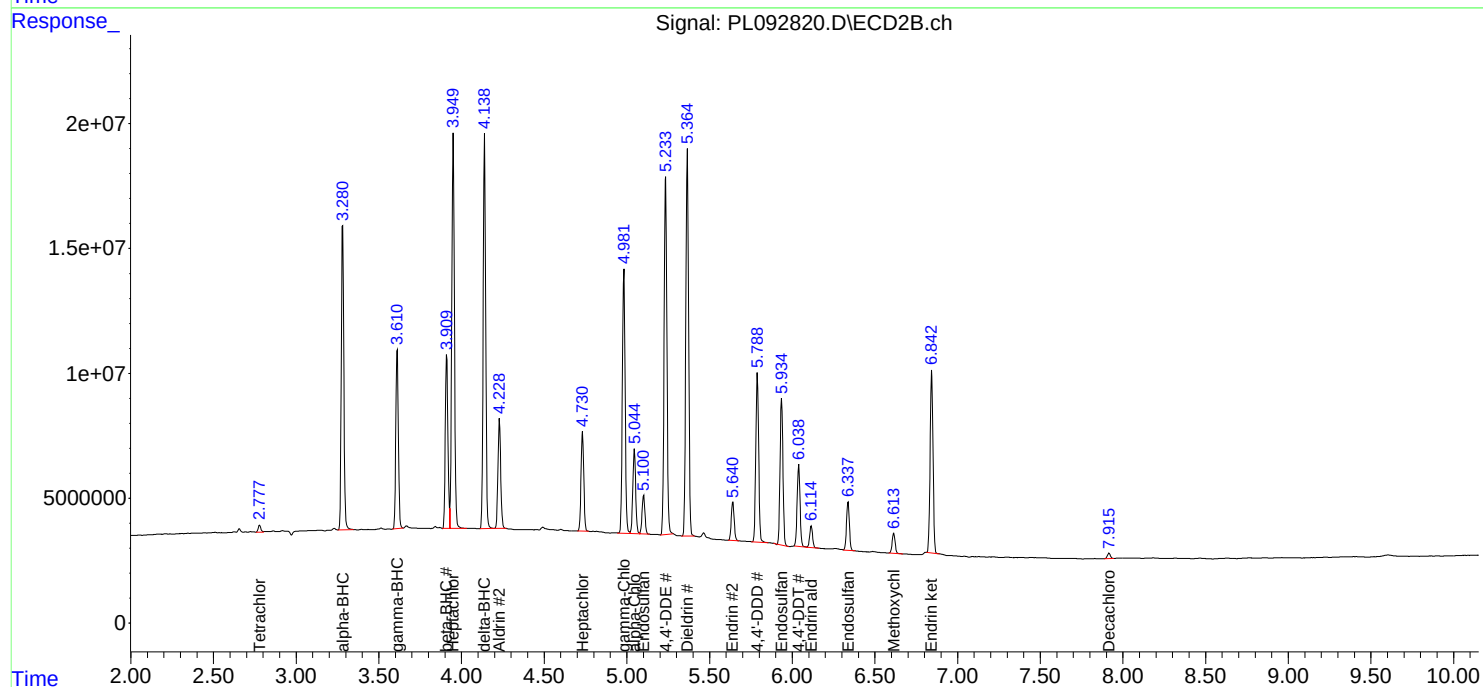
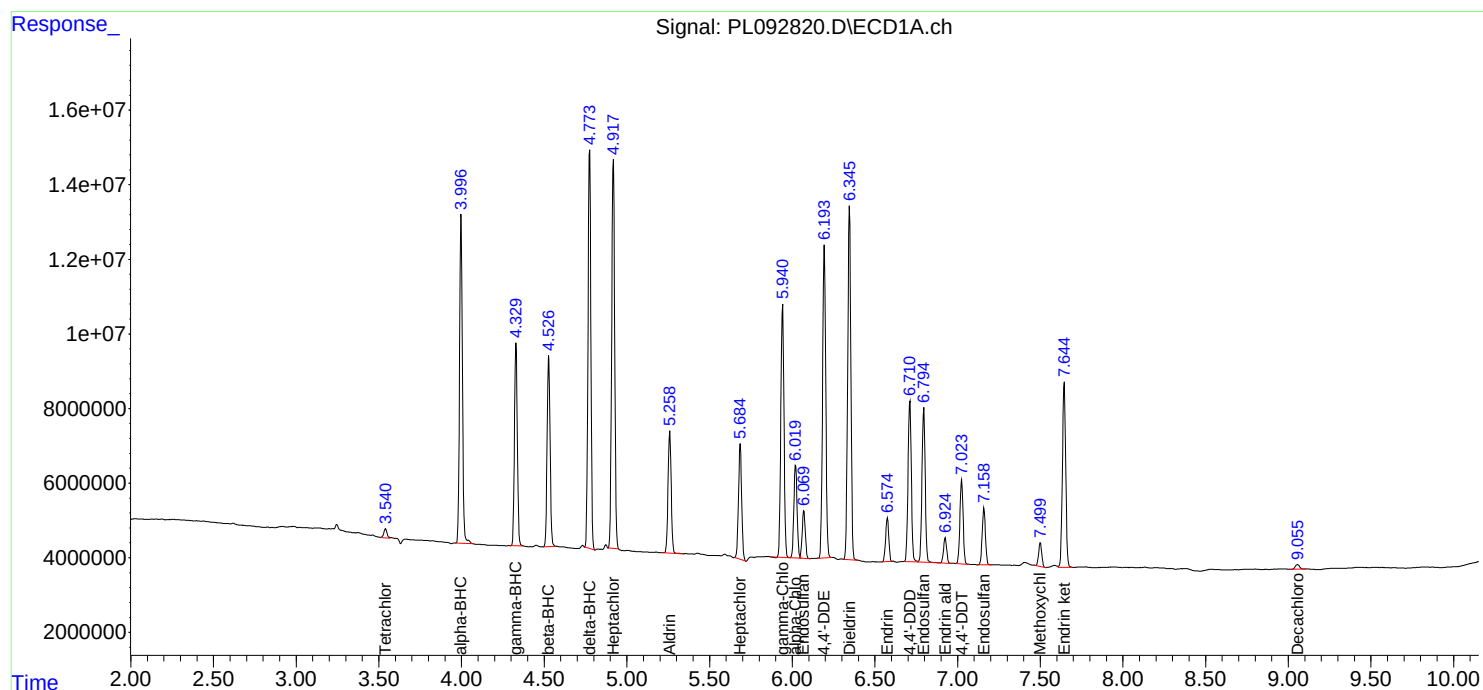
Manual Integrations

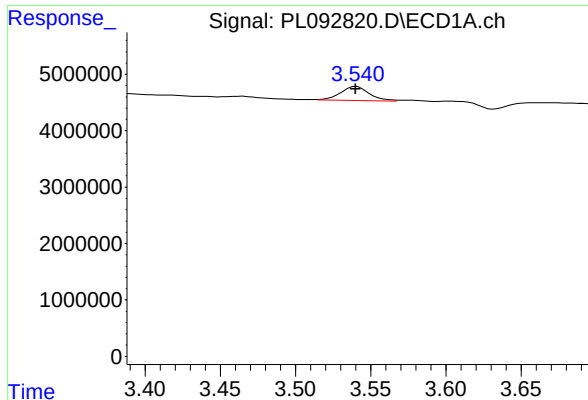
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:10:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





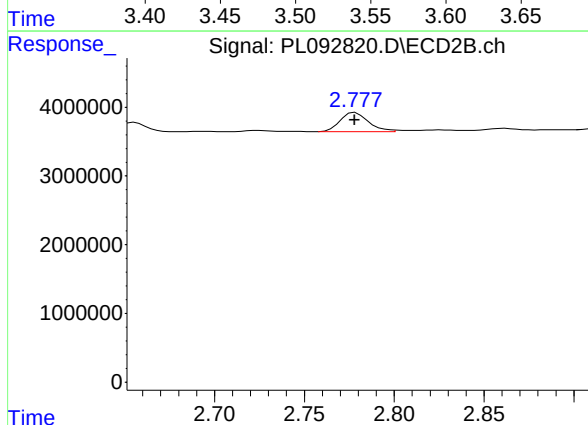
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 3324566
Conc: 1.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

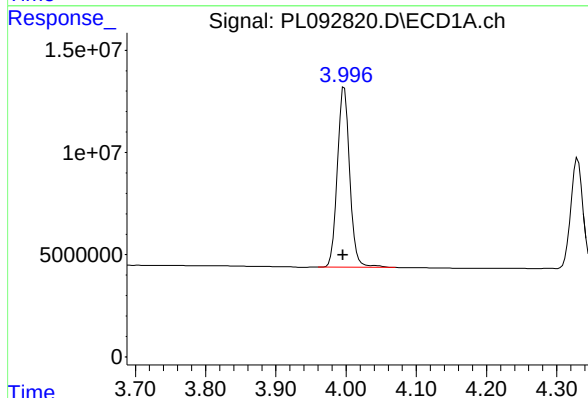
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



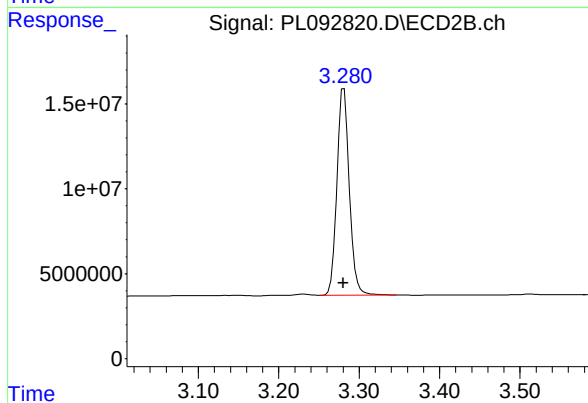
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 3040029
Conc: 1.12 ng/ml



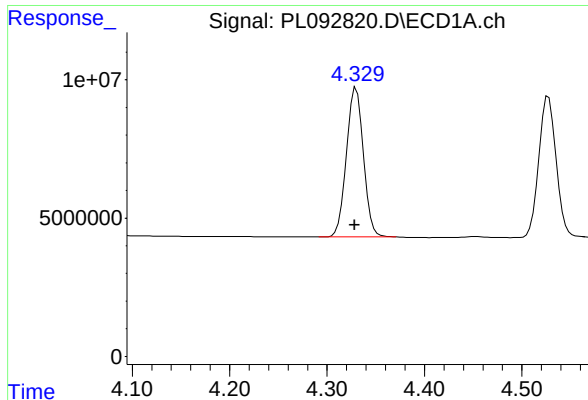
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 107674341
Conc: 31.75 ng/ml



#2 alpha-BHC

R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 130667193
Conc: 32.75 ng/ml



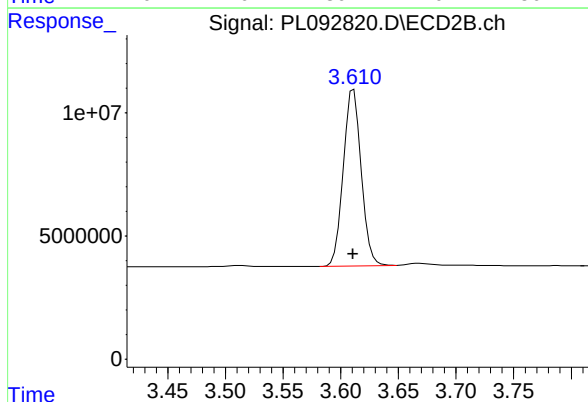
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 65104170
Conc: 19.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

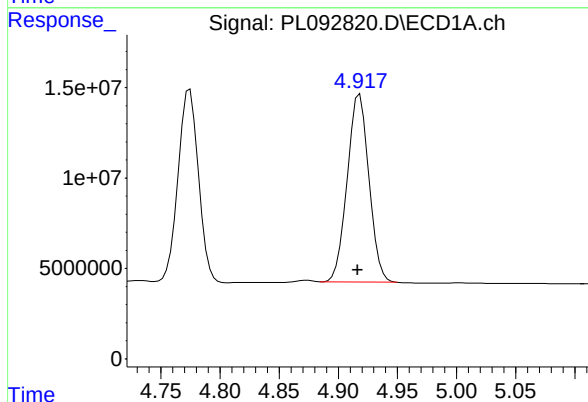
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



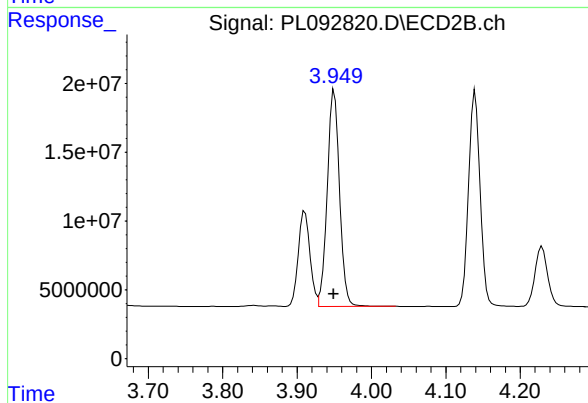
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 76748064
Conc: 19.89 ng/ml



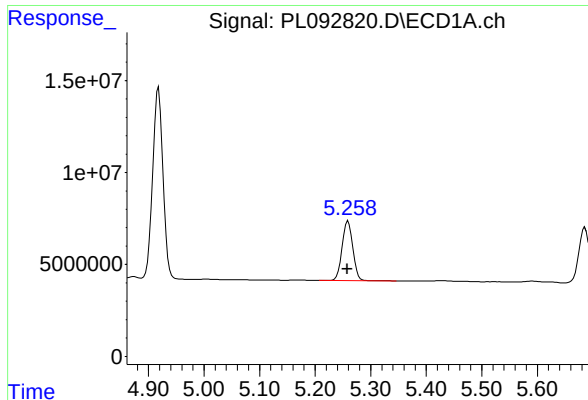
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.002 min
Response: 132416580
Conc: 44.09 ng/ml



#4 Heptachlor

R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 180284751
Conc: 47.77 ng/ml



#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.001 min
Response: 43448321
Conc: 14.48 ng/ml

Instrument :

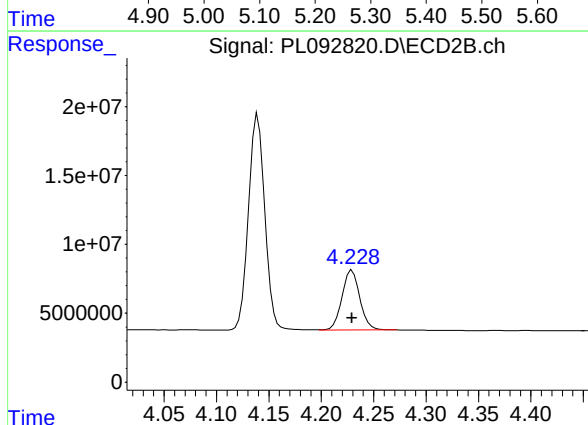
ECD_L

ClientSampleId :

PT-PEST-SOILDL2

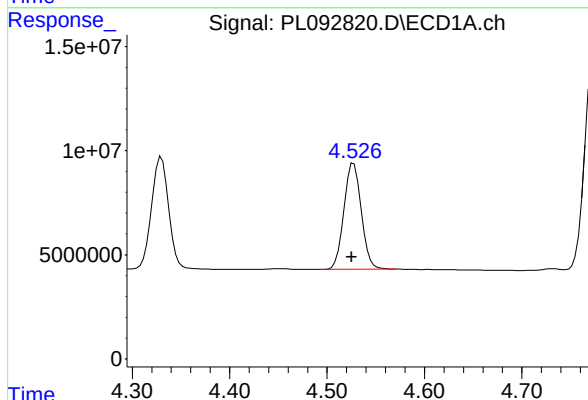
Manual Integrations
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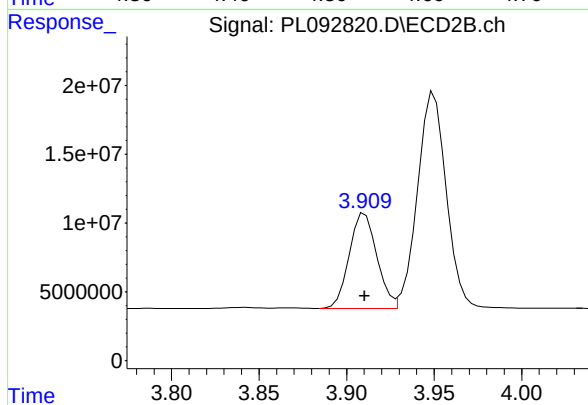
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 51235904
Conc: 14.00 ng/ml



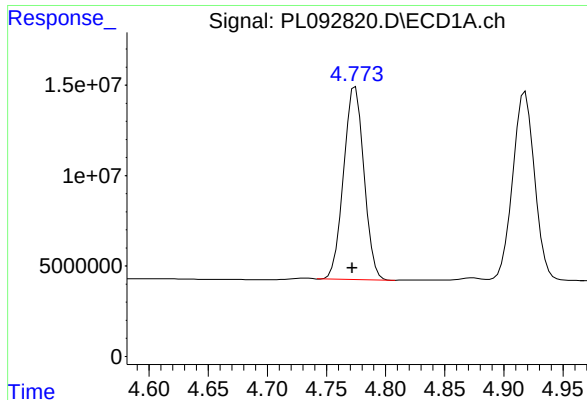
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 63277736
Conc: 43.78 ng/ml



#6 beta-BHC

R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 75748441
Conc: 46.01 ng/ml



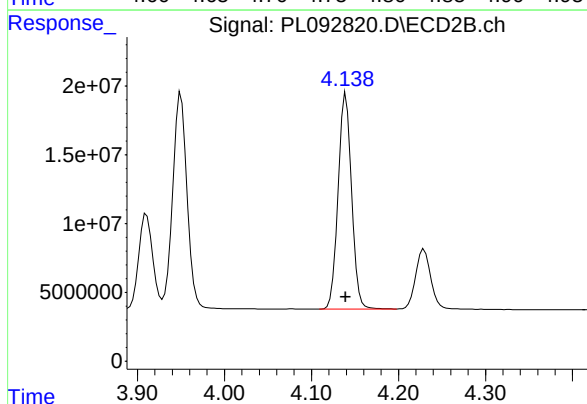
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 127706029
Conc: 40.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

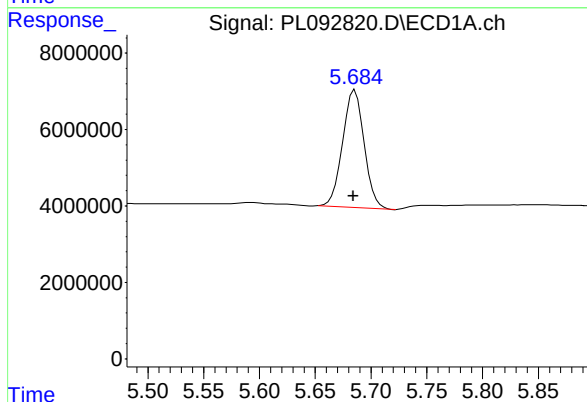
Manual Integrations
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Supervised By :Ankita Jodhani 11/05/2024



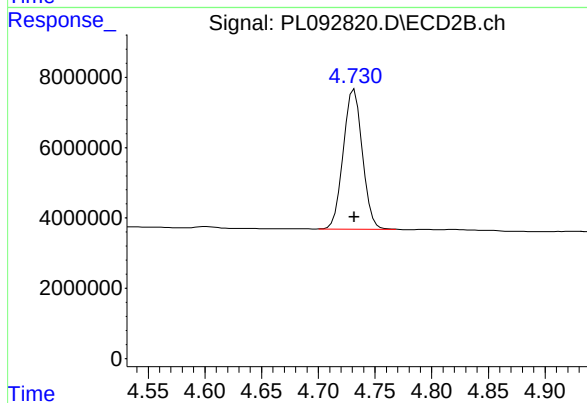
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 168636239
Conc: 43.88 ng/ml



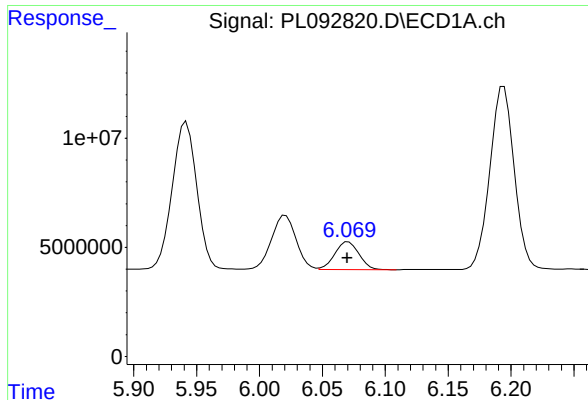
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.001 min
Response: 41407697
Conc: 15.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 46486162
Conc: 13.91 ng/ml



#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 16923011
Conc: 6.77 ng/ml

Instrument :

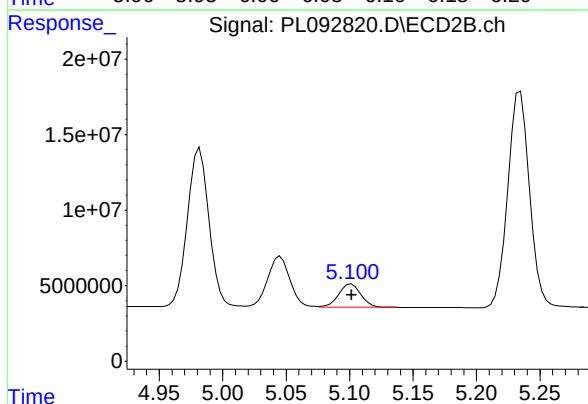
ECD_L

ClientSampleId :

PT-PEST-SOILDL2

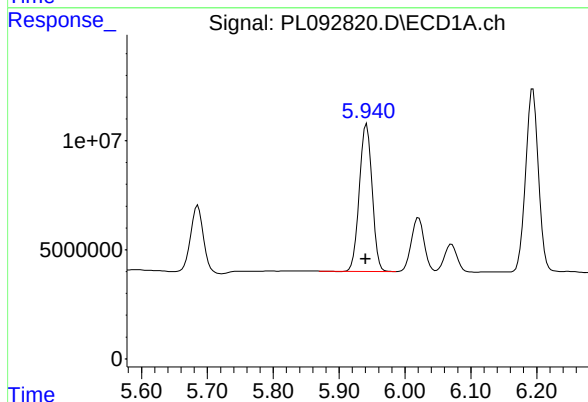
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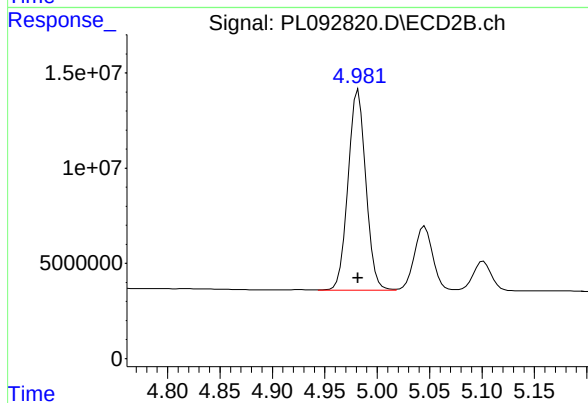
#9 Endosulfan I

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 18600180
Conc: 6.09 ng/ml



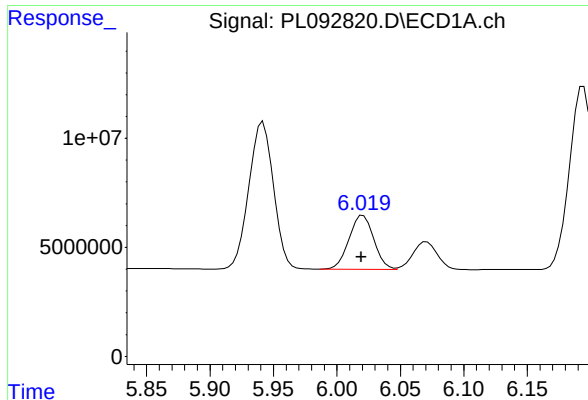
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.001 min
Response: 90907422
Conc: 34.17 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 125173068
Conc: 37.24 ng/ml



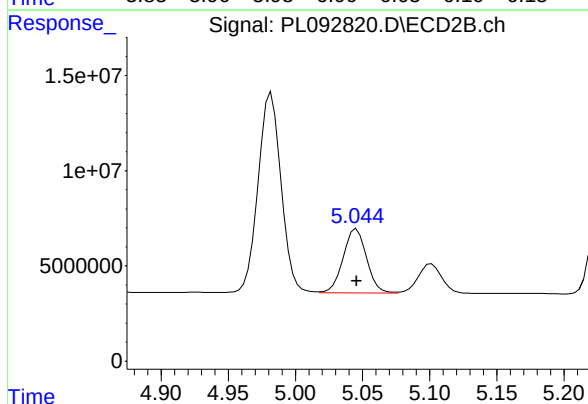
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.001 min
Response: 33632008
Conc: 12.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

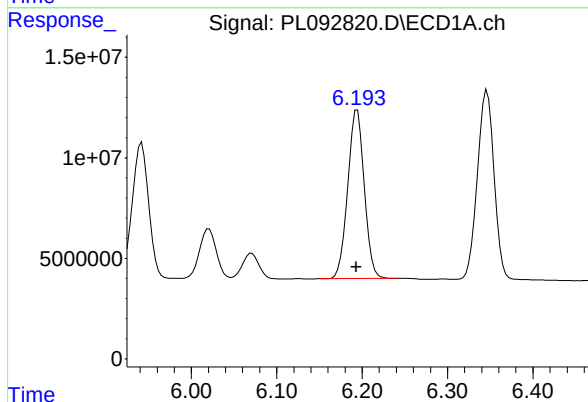
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



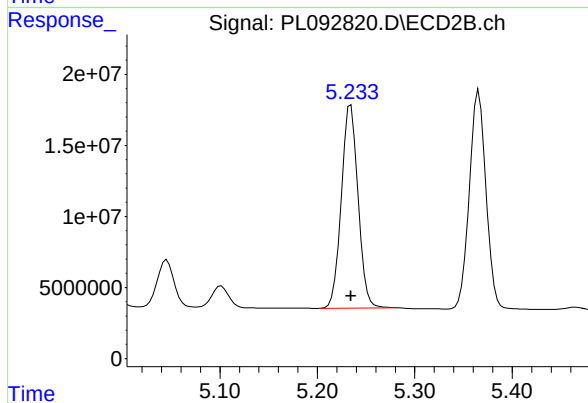
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 40988946
Conc: 12.32 ng/ml



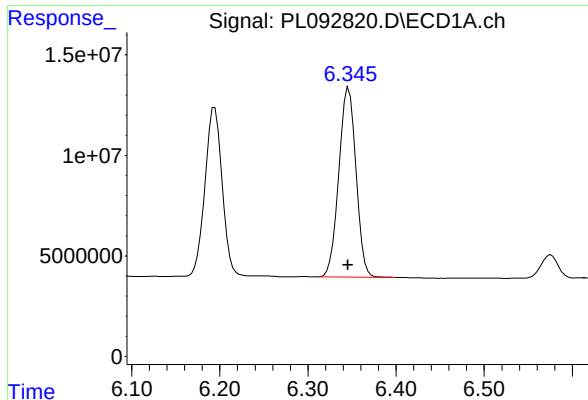
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 113115523
Conc: 47.74 ng/ml



#12 4,4'-DDE

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 170435516
Conc: 52.90 ng/ml



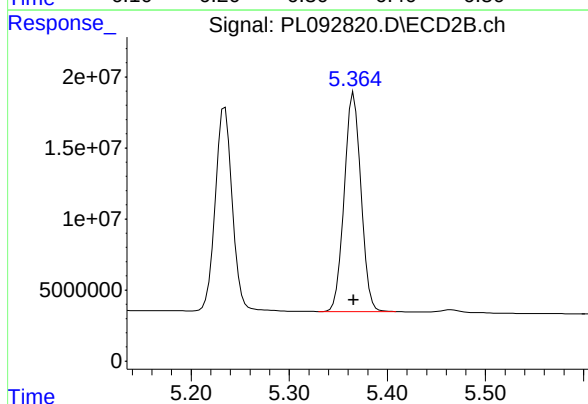
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.001 min
Response: 127795543
Conc: 48.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

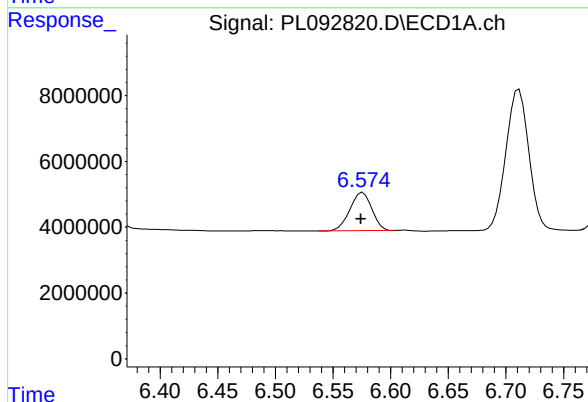
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



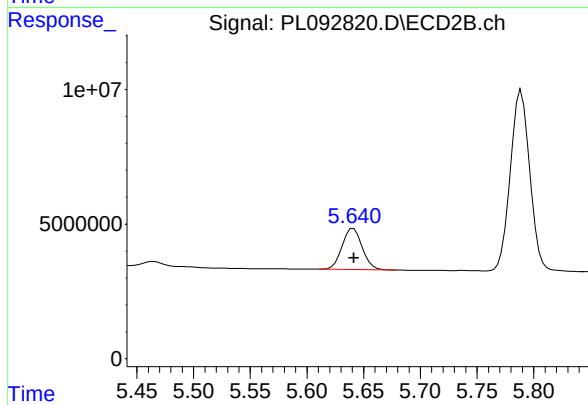
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 182547309
Conc: 54.65 ng/ml



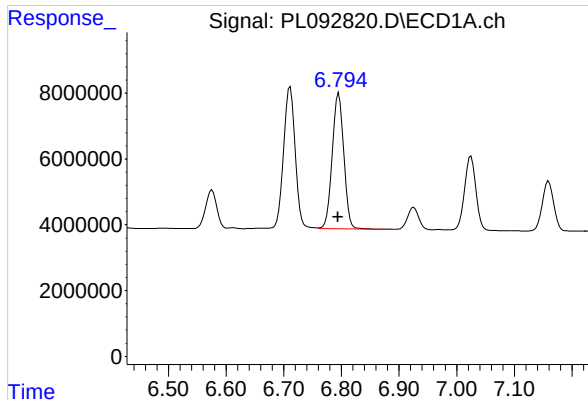
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.002 min
Response: 15359275
Conc: 6.75 ng/ml



#14 Endrin

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 18869361
Conc: 6.52 ng/ml



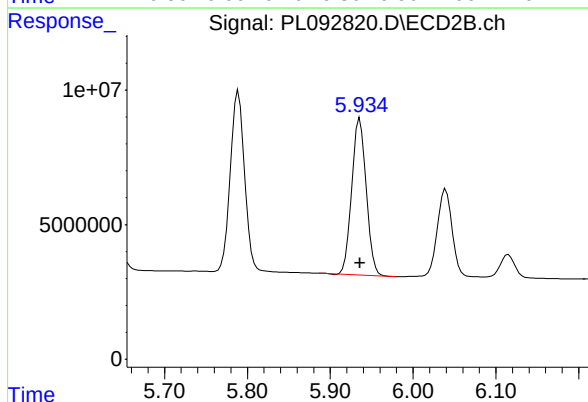
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.002 min
Response: 56660447
Conc: 23.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

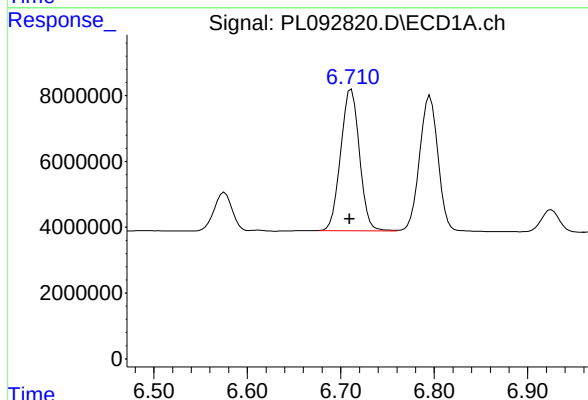
Manual Integrations
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Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



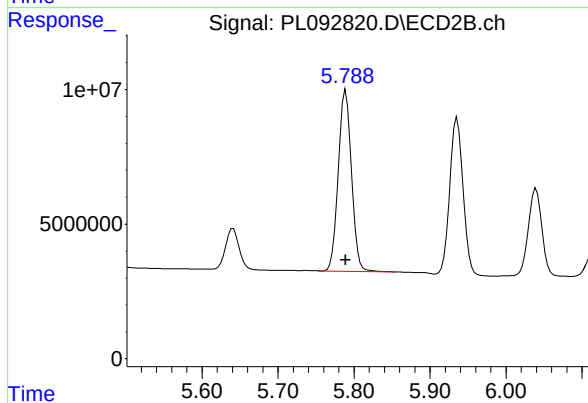
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 70558229
Conc: 24.90 ng/ml



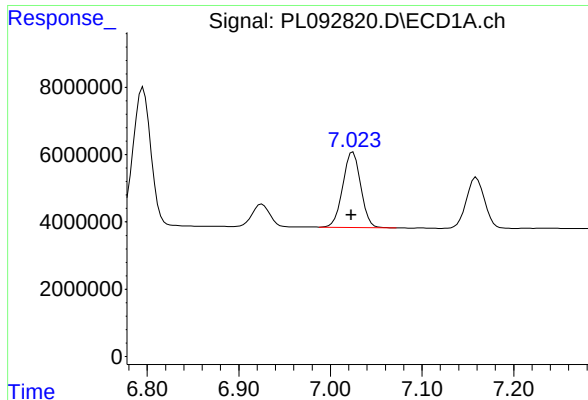
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.002 min
Response: 60078080
Conc: 31.30 ng/ml



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 80697157
Conc: 32.41 ng/ml



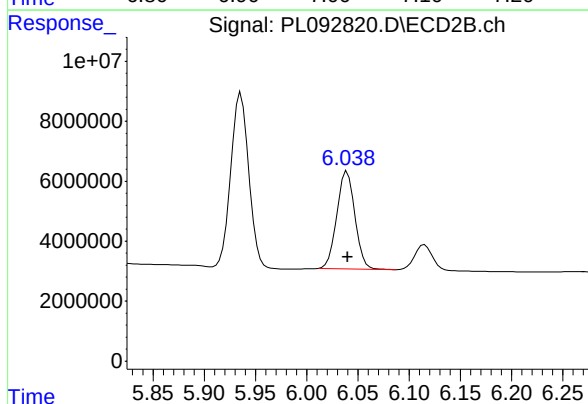
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.002 min
Response: 30699286
Conc: 14.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

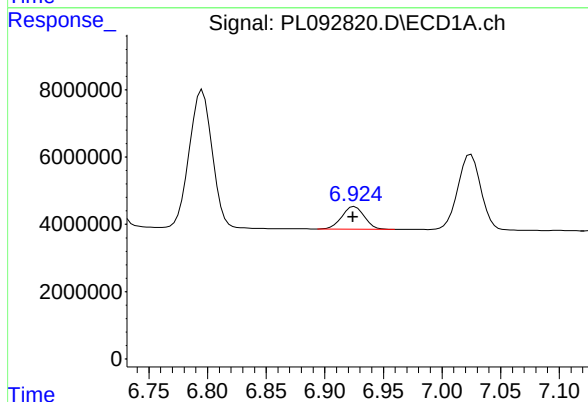
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



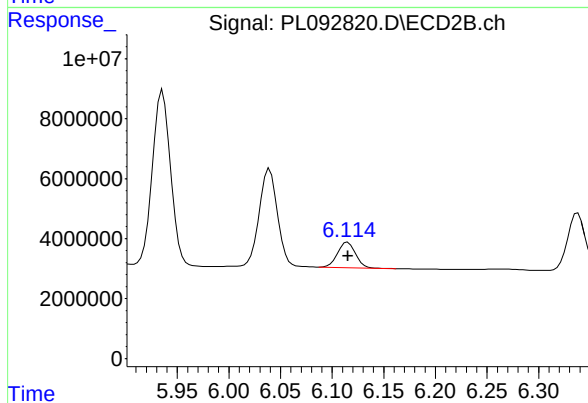
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 39967415
Conc: 14.90 ng/ml



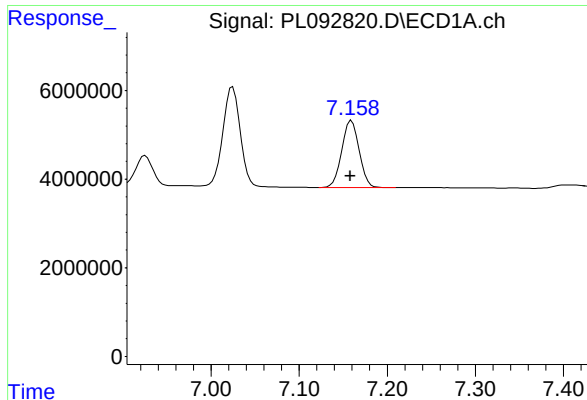
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.001 min
Response: 9031000
Conc: 4.81 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 10392102
Conc: 4.50 ng/ml



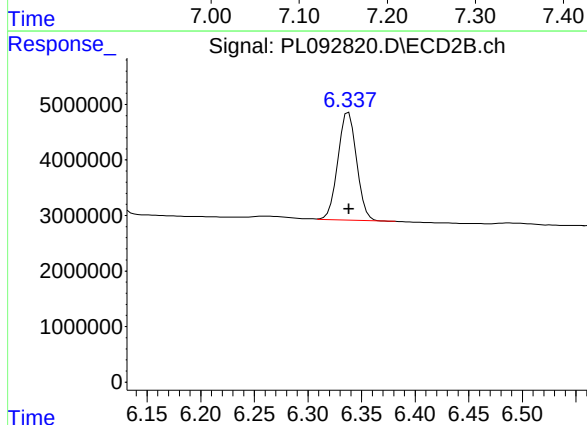
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.001 min
Response: 20797218
Conc: 9.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

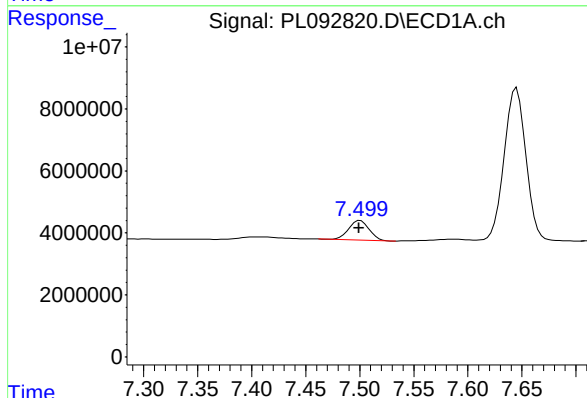
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



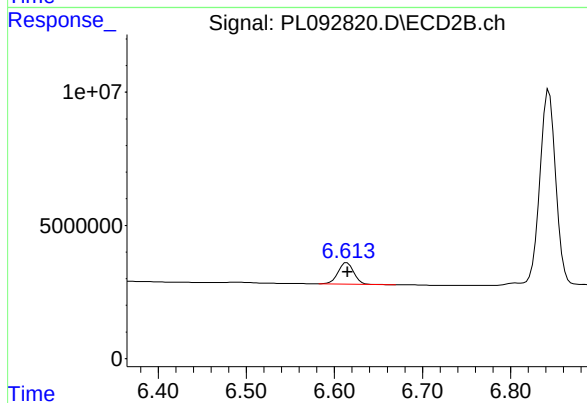
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 23564491
Conc: 8.74 ng/ml



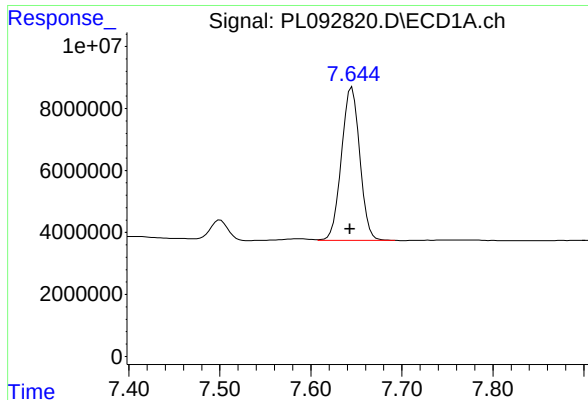
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.001 min
Response: 8348347
Conc: 7.32 ng/ml



#20 Methoxychlor

R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 9933317
Conc: 6.96 ng/ml



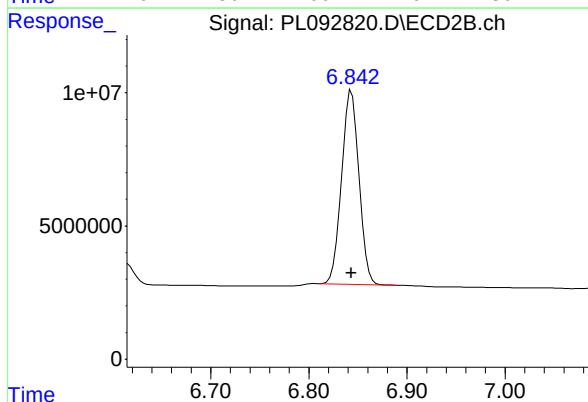
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.002 min
Response: 69323896
Conc: 28.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOILDL2

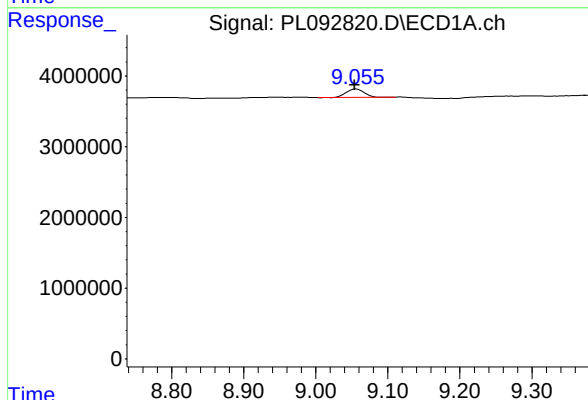
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



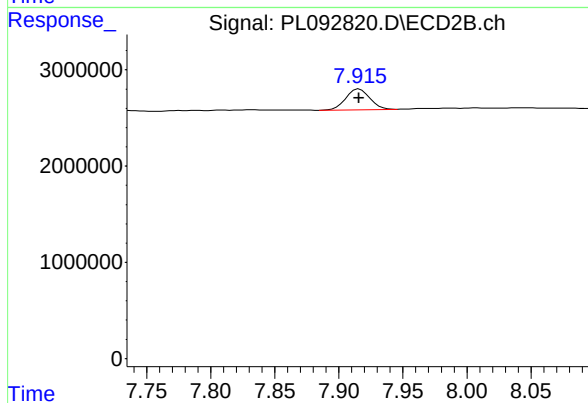
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 89705392
Conc: 29.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 2033911
Conc: 1.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: -0.001 min
Response: 2854475
Conc: 1.05 ng/ml m



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53

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

LAB FILE ID:	RT 100 = <u>PL092497.D</u>	RT 075 = <u>PL092498.D</u>
RT 050 = <u>PL092499.D</u>	RT 025 = <u>PL092500.D</u>	RT 005 = <u>PL092501.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.06	9.06	8.96	9.16
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.93	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53

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

LAB FILE ID:	RT 100 = <u>PL092497.D</u>	RT 075 = <u>PL092498.D</u>
RT 050 = <u>PL092499.D</u>	RT 025 = <u>PL092500.D</u>	RT 005 = <u>PL092501.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.24	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.85	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L
Calibration Date(s): 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL092497.D	CF 075 =	PL092498.D		
CF 050 =		PL092499.D	CF 025 =	PL092500.D	CF 005 =	PL092501.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2246400000	2258620000	2360420000	2437540000	2776830000	2415960000	9
4,4'-DDE	2768040000	2811970000	2906870000	3034090000	3308610000	2965920000	7
4,4'-DDT	2351780000	2354700000	2458670000	2510620000	2654500000	2466050000	5
Aldrin	3357570000	3399600000	3527390000	3705500000	4403230000	3678660000	12
alpha-BHC	3880960000	3900500000	3985440000	4129150000	4710150000	4121240000	8
alpha-Chlordane	2934020000	3004180000	3127580000	3292340000	3923880000	3256400000	12
beta-BHC	1472550000	1485480000	1520550000	1582420000	1700650000	1552330000	6
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
delta-BHC	3526460000	3537730000	3645230000	3889220000	4211510000	3762030000	8
Dieldrin	2994540000	3035510000	3143820000	3281370000	3804200000	3251890000	10
Endosulfan I	2758780000	2810500000	2913200000	3062020000	3552420000	3019390000	11
Endosulfan II	2571530000	2607370000	2748580000	2960640000	3260790000	2829780000	10
Endosulfan sulfate	2304480000	2335740000	2443850000	2546180000	3002960000	2526640000	11
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
Endrin aldehyde	1982870000	2003830000	2098670000	2187760000	2407240000	2136080000	8
Endrin ketone	2572770000	2595940000	2703400000	2798310000	3078670000	2749820000	7
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
gamma-Chlordane	2975150000	3046540000	3165110000	3319740000	3978350000	3296980000	12
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L
Calibration Date(s): 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53

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

LAB FILE ID:		CF 100 = <u>PL092497.D</u>		CF 075 = <u>PL092498.D</u>			
CF 050 = <u>PL092499.D</u>		CF 025 = <u>PL092500.D</u>		CF 005 = <u>PL092501.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2693820000	2711750000	2763570000	2774490000	2947510000	2778230000	4
4,4'-DDE	3365970000	3350290000	3424050000	3426470000	3819900000	3477340000	6
4,4'-DDT	2876310000	2862890000	2900910000	2875360000	3169270000	2936950000	4
Aldrin	3902880000	3867350000	3920990000	3908110000	4278130000	3975490000	4
alpha-BHC	4282080000	4249760000	4259610000	4206610000	4577410000	4315100000	3
alpha-Chlordane	3453960000	3467250000	3481480000	3550810000	3816750000	3554050000	4
beta-BHC	1637290000	1631380000	1679350000	1708600000	2073140000	1745950000	11
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
delta-BHC	4115860000	4070010000	4108760000	4122660000	4613930000	4206240000	5
Dieldrin	3524630000	3511910000	3576190000	3612640000	4046390000	3654350000	6
Endosulfan I	3116470000	3138120000	3163890000	3197670000	3298980000	3183030000	2
Endosulfan II	2909510000	2958770000	3049780000	3070330000	3642720000	3126220000	9
Endosulfan sulfate	2760410000	2764670000	2816810000	2859720000	3579720000	2956270000	12
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
Endrin aldehyde	2316790000	2330610000	2385350000	2437260000	2812750000	2456550000	8
Endrin ketone	3125230000	3132330000	3203190000	3221610000	3378350000	3212140000	3
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
gamma-Chlordane	3544140000	3552270000	3600750000	3641630000	4057250000	3679210000	6
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:00
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: Oct 21 16:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	253.7E6	271.0E6	99.033	99.540
28) SA Decachlor...	9.056	7.917	189.4E6	253.3E6	98.062	98.715
Target Compounds						
2) A alpha-BHC	3.995	3.280	388.1E6	428.2E6	98.672	100.263
3) MA gamma-BHC...	4.327	3.610	365.2E6	409.9E6	98.661	99.898
4) MA Heptachlor	4.916	3.949	326.7E6	390.9E6	97.577	99.360
5) MB Aldrin	5.257	4.229	335.8E6	390.3E6	97.534	99.769
6) B beta-BHC	4.525	3.910	147.3E6	163.7E6	98.397	98.732
7) B delta-BHC	4.772	4.139	352.6E6	411.6E6	98.344	100.086
8) B Heptachlo...	5.684	4.731	300.5E6	340.9E6	96.102	99.066
9) A Endosulfan I	6.069	5.101	275.9E6	311.6E6	97.277	99.245
10) B gamma-Chl...	5.940	4.981	297.5E6	354.4E6	96.906	99.208
11) B alpha-Chl...	6.019	5.045	293.4E6	345.4E6	96.807	99.603
12) B 4,4'-DDE	6.192	5.234	276.8E6	336.6E6	97.554	99.145
13) MA Dieldrin	6.344	5.366	299.5E6	352.5E6	97.568	99.274
14) MA Endrin	6.574	5.641	258.1E6	309.6E6	97.100	97.779
15) B Endosulfa...	6.794	5.936	257.2E6	291.0E6	96.672	97.646
16) A 4,4'-DDD	6.710	5.789	224.6E6	269.4E6	97.525	98.722
17) MA 4,4'-DDT	7.024	6.040	235.2E6	287.6E6	97.778	99.574
18) B Endrin al...	6.924	6.115	198.3E6	231.7E6	97.163	98.542
19) B Endosulfa...	7.159	6.339	230.4E6	276.0E6	97.065	98.989
20) A Methoxychlor	7.500	6.615	114.8E6	138.4E6	97.204	99.468
21) B Endrin ke...	7.644	6.844	257.3E6	312.5E6	97.524	98.768
22) Mirex	8.118	7.025	190.1E6	250.1E6	97.233	98.622

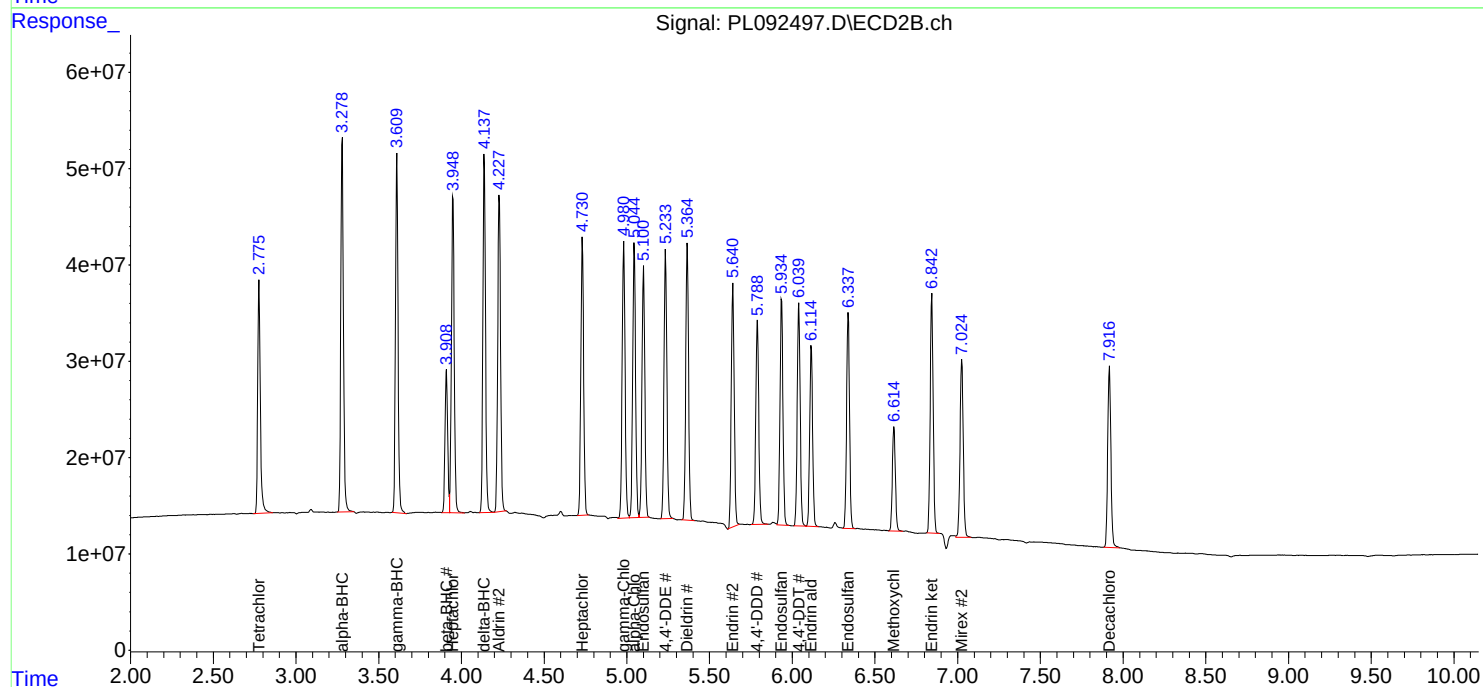
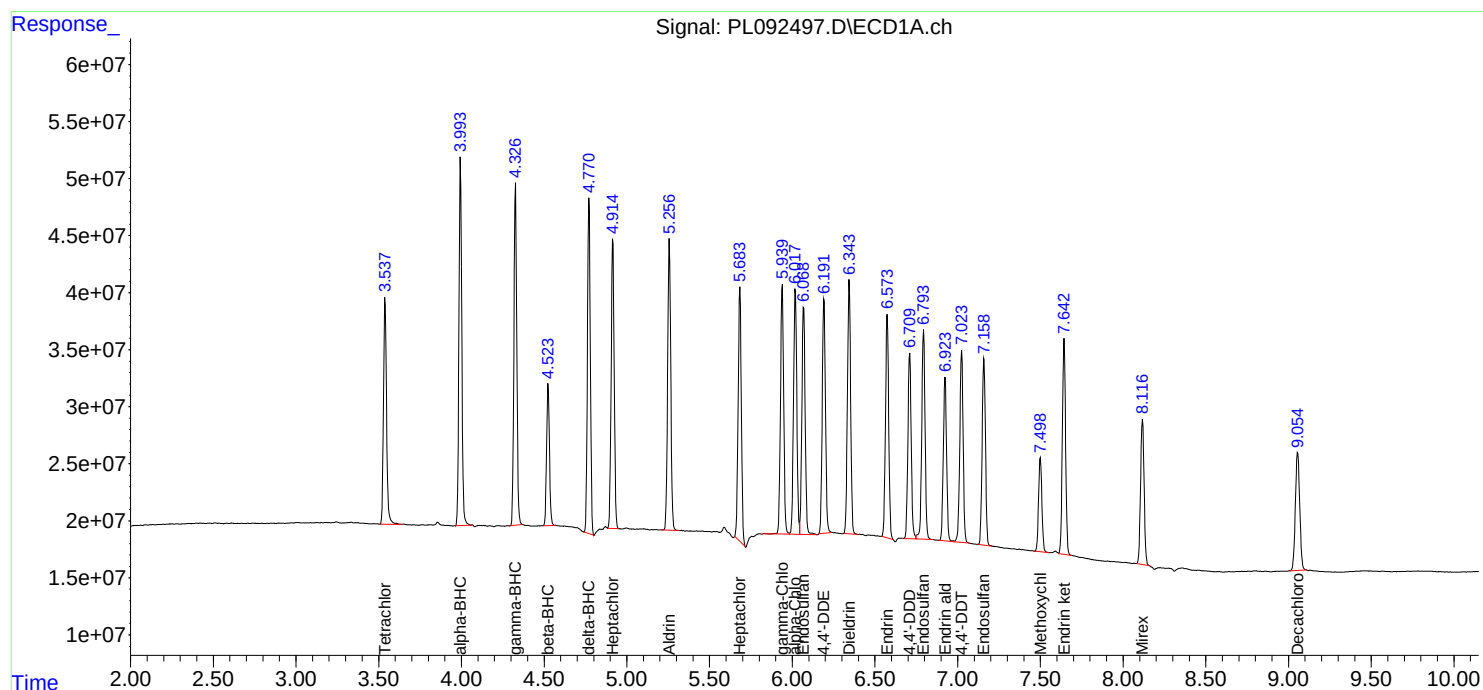
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

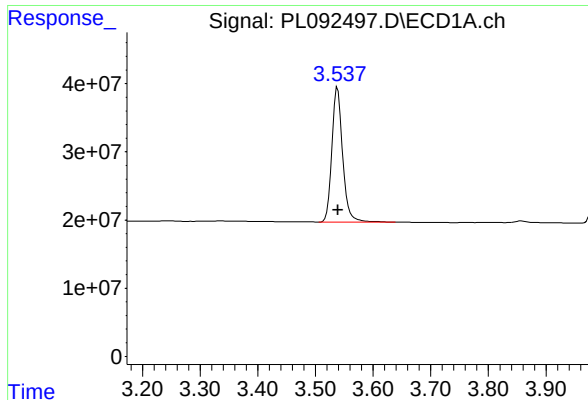
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:00
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

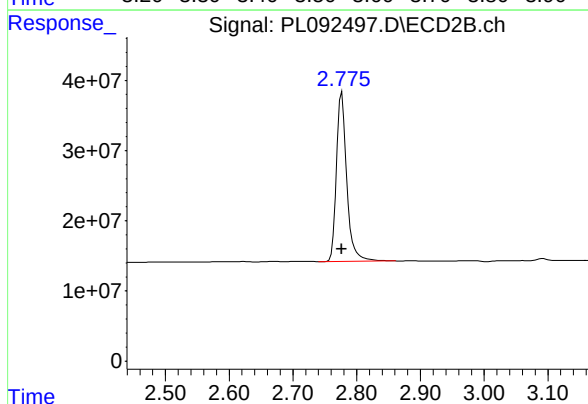




#1 Tetrachloro-m-xylene

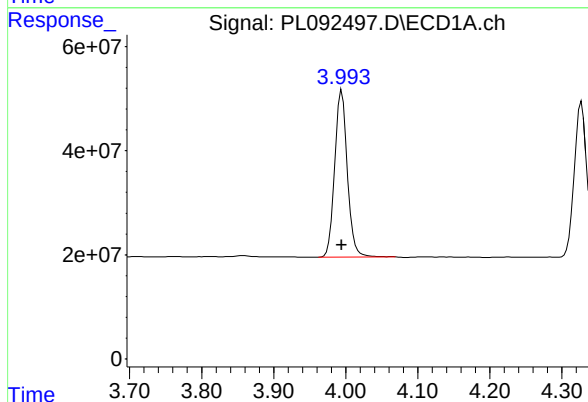
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 253739105
Conc: 99.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



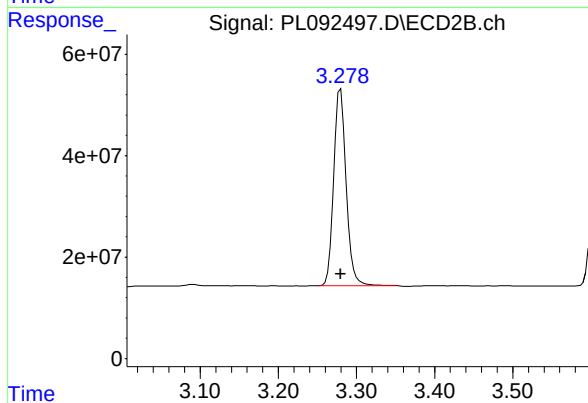
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 271024040
Conc: 99.54 ng/ml



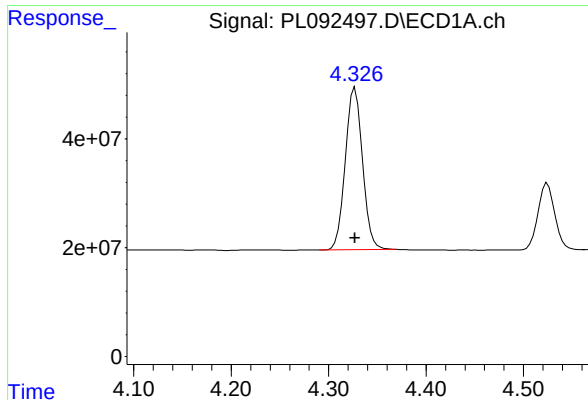
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 388096376
Conc: 98.67 ng/ml



#2 alpha-BHC

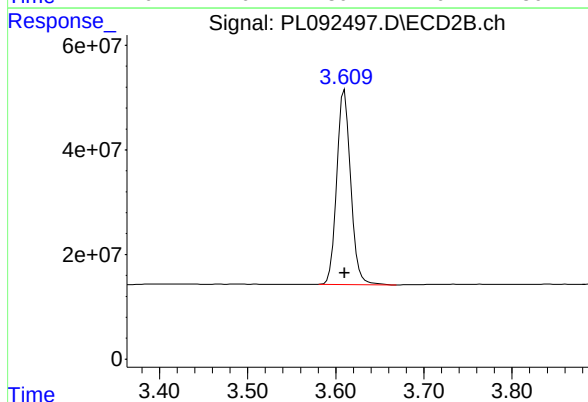
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 428208177
Conc: 100.26 ng/ml



#3 gamma-BHC (Lindane)

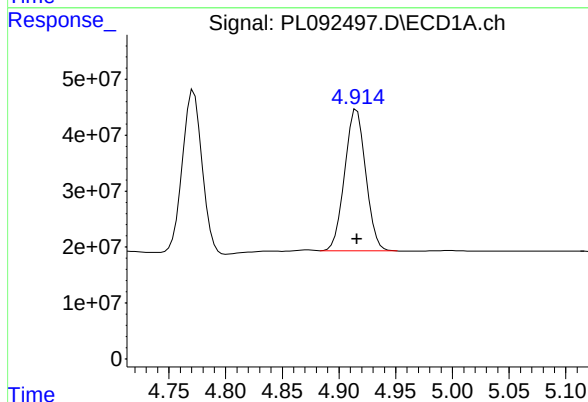
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 365194048
Conc: 98.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



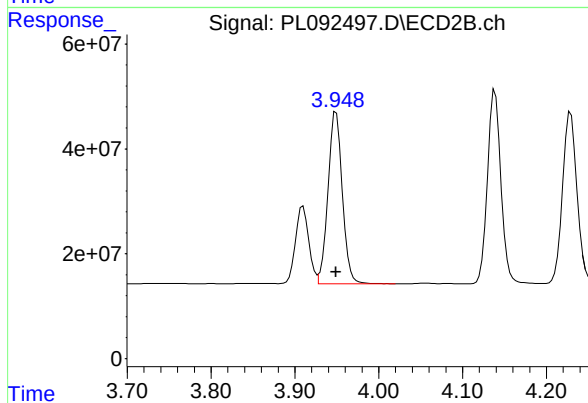
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 409870854
Conc: 99.90 ng/ml



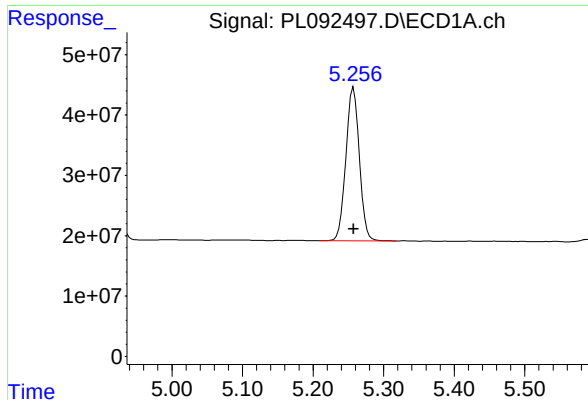
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 326685544
Conc: 97.58 ng/ml



#4 Heptachlor

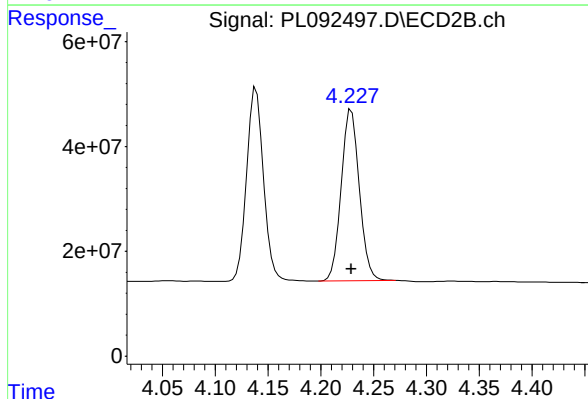
R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 390894212
Conc: 99.36 ng/ml



#5 Aldrin

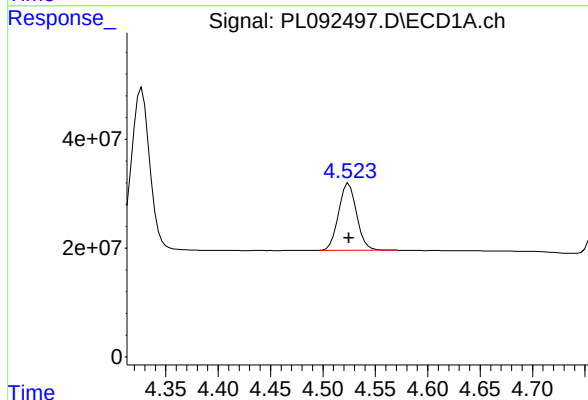
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 335757487
Conc: 97.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



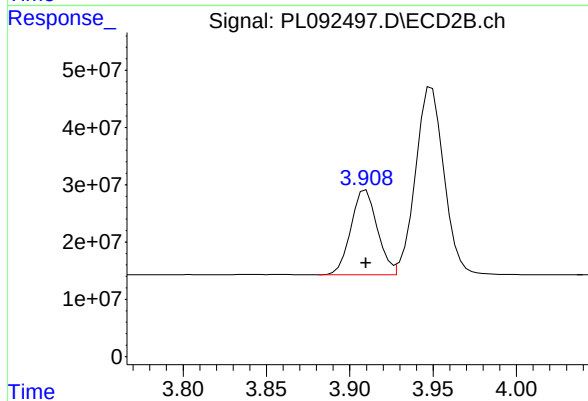
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 390288212
Conc: 99.77 ng/ml



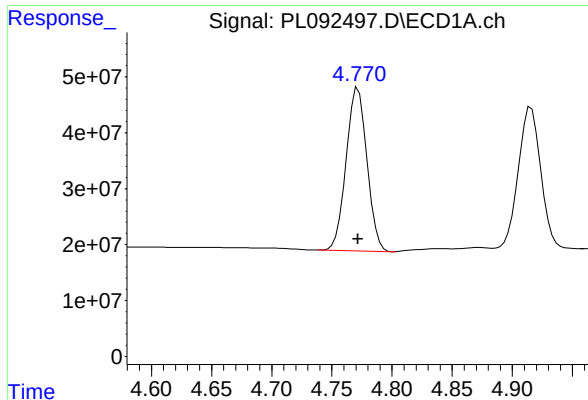
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 147255440
Conc: 98.40 ng/ml



#6 beta-BHC

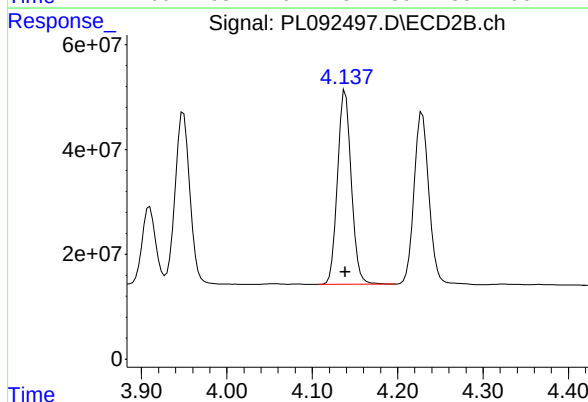
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 163728718
Conc: 98.73 ng/ml



#7 delta-BHC

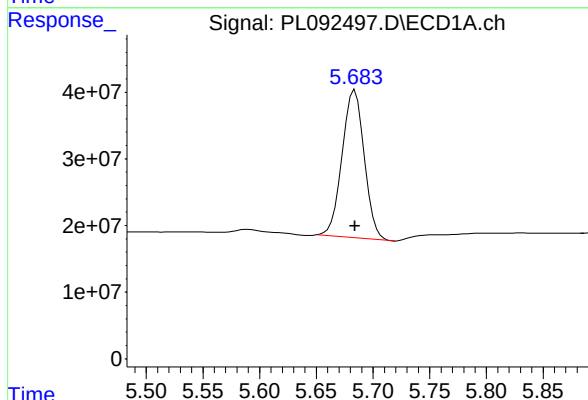
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 352645782
Conc: 98.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



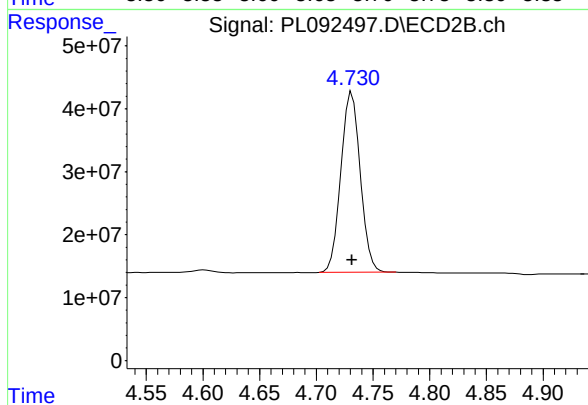
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 411586389
Conc: 100.09 ng/ml



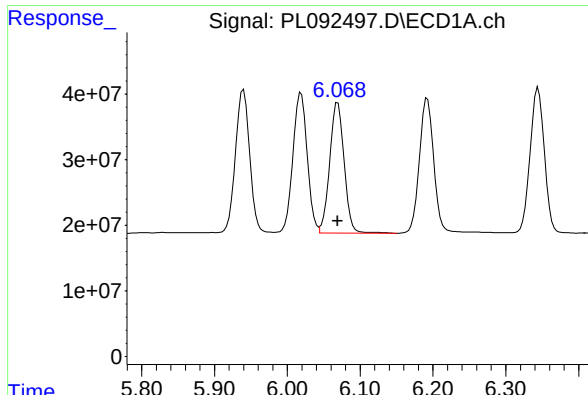
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 300467345
Conc: 96.10 ng/ml



#8 Heptachlor epoxide

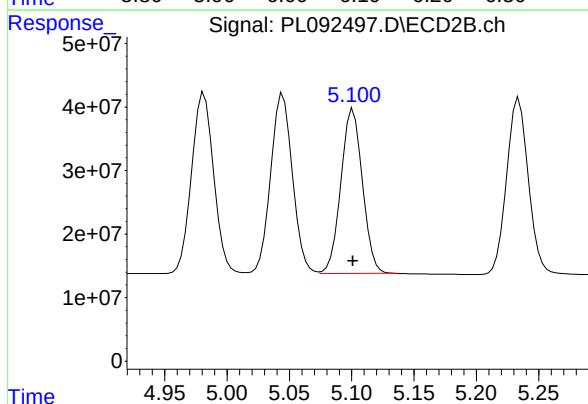
R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 340924593
Conc: 99.07 ng/ml



#9 Endosulfan I

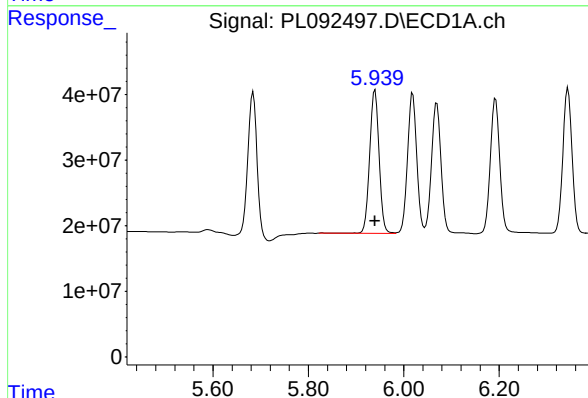
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 275877825
Conc: 97.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



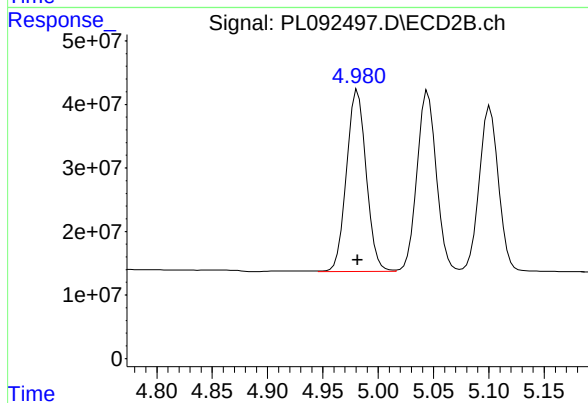
#9 Endosulfan I

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 311647042
Conc: 99.24 ng/ml



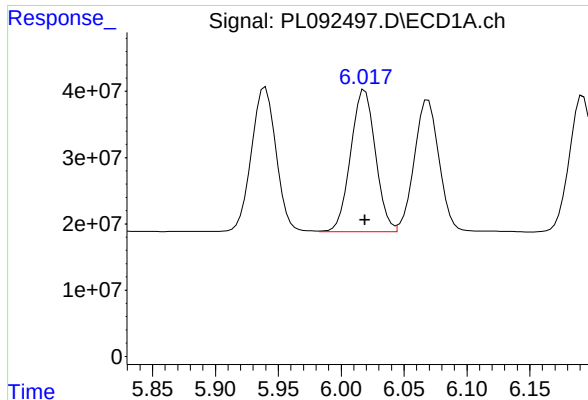
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 297515112
Conc: 96.91 ng/ml



#10 gamma-Chlordane

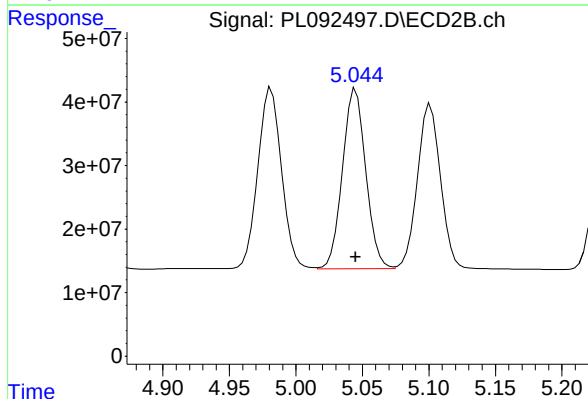
R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 354413721
Conc: 99.21 ng/ml



#11 alpha-Chlordane

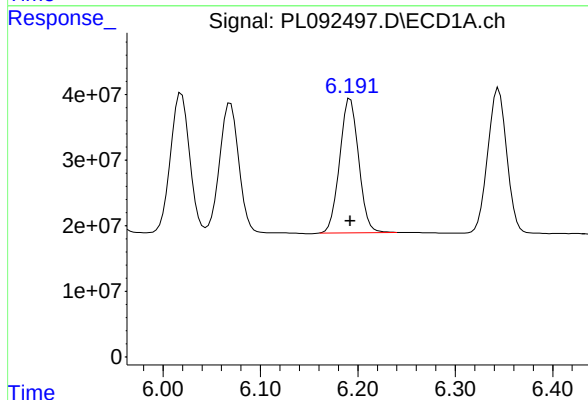
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 293402276
Conc: 96.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



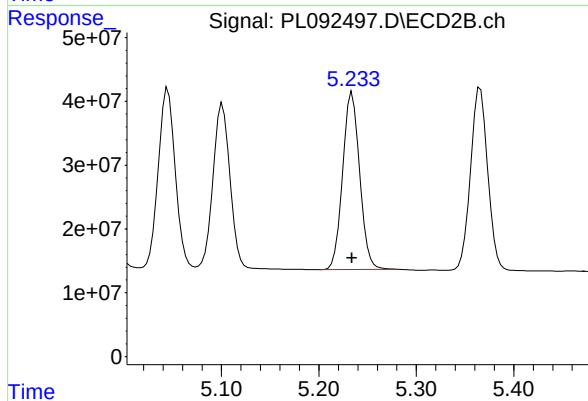
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 345396297
Conc: 99.60 ng/ml



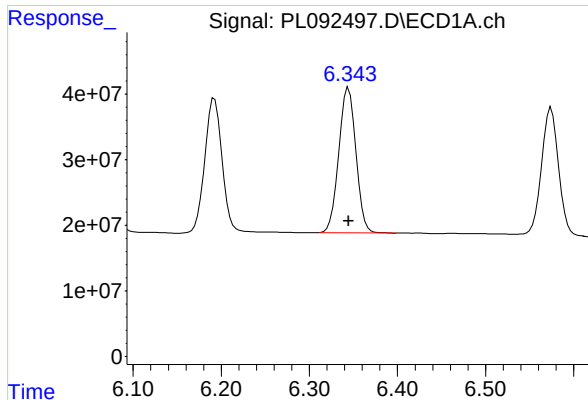
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 276803892
Conc: 97.55 ng/ml



#12 4,4'-DDE

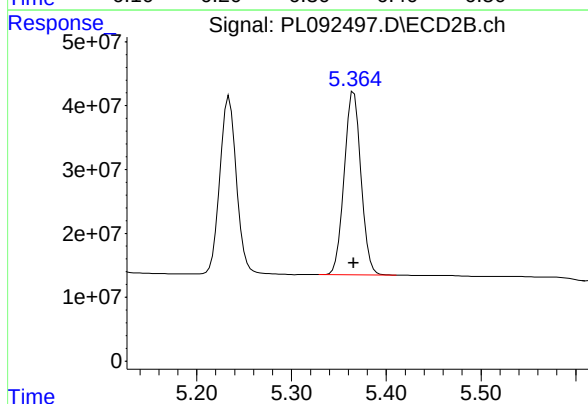
R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 336596552
Conc: 99.14 ng/ml



#13 Dieldrin

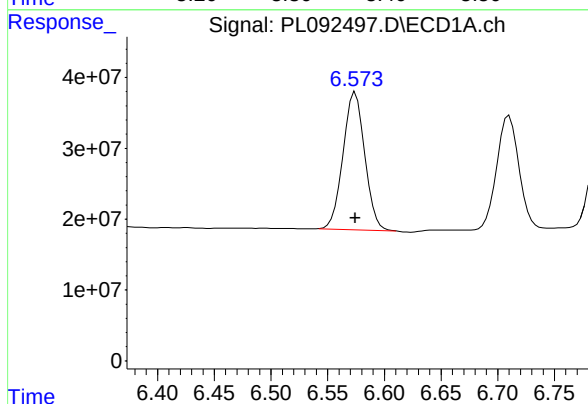
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 299454201
Conc: 97.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



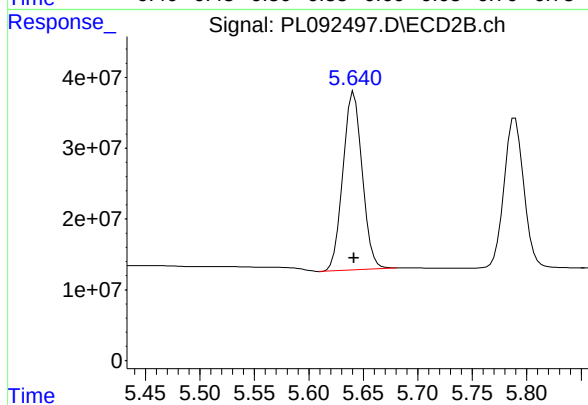
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 352463274
Conc: 99.27 ng/ml



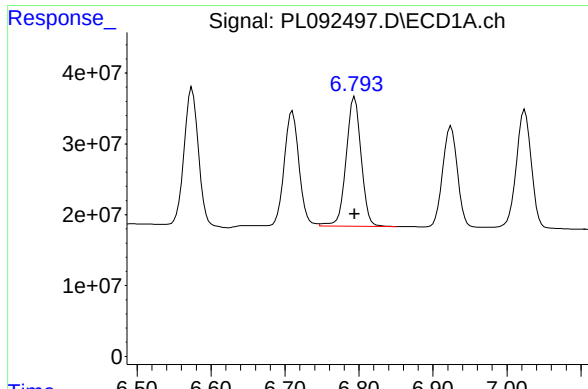
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 258061679
Conc: 97.10 ng/ml



#14 Endrin

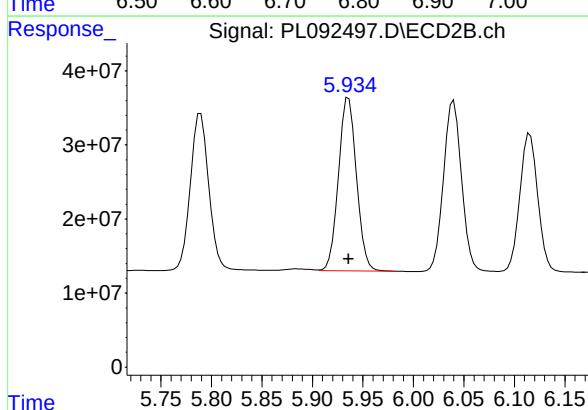
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 309623375
Conc: 97.78 ng/ml



#15 Endosulfan II

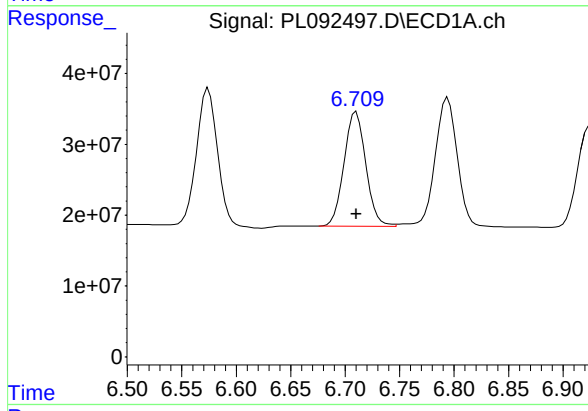
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 257153298
Conc: 96.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



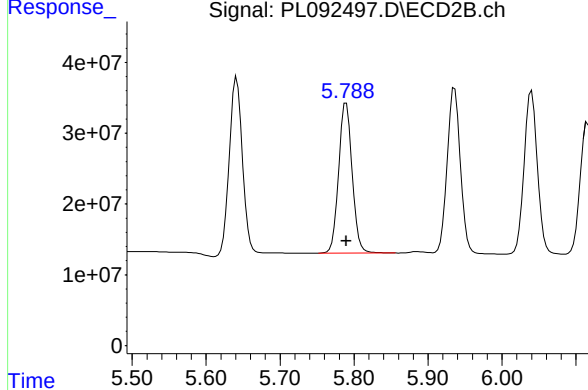
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 290951474
Conc: 97.65 ng/ml



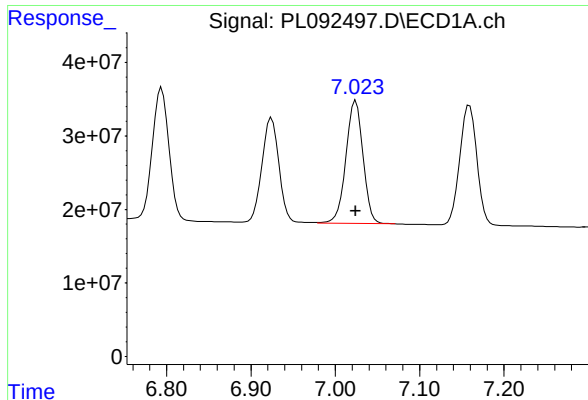
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 224640467
Conc: 97.53 ng/ml



#16 4,4'-DDD

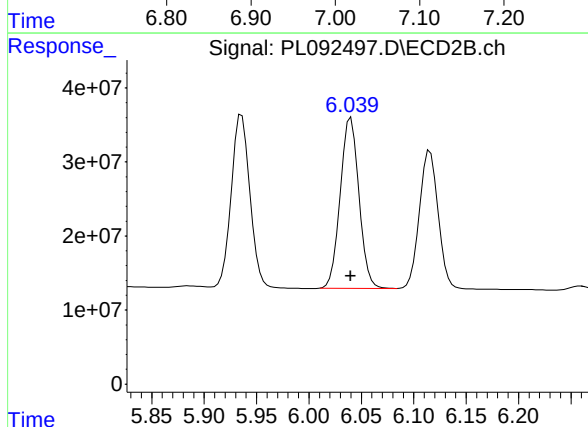
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 269381589
Conc: 98.72 ng/ml



#17 4,4'-DDT

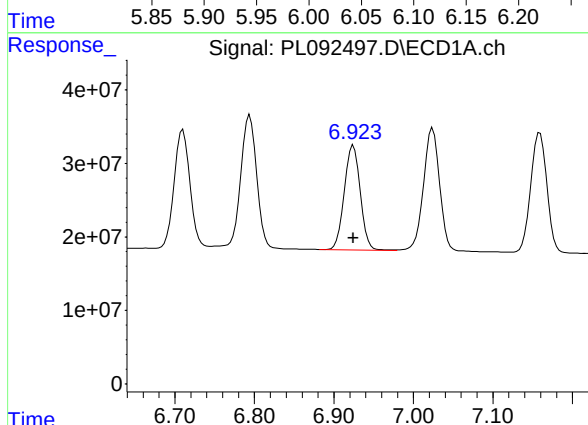
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 235177894
Conc: 97.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



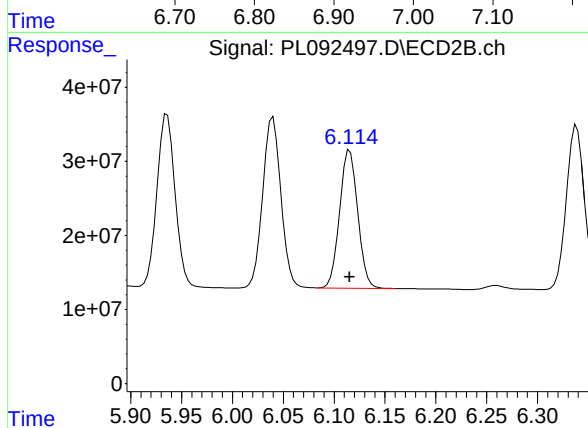
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 287631344
Conc: 99.57 ng/ml



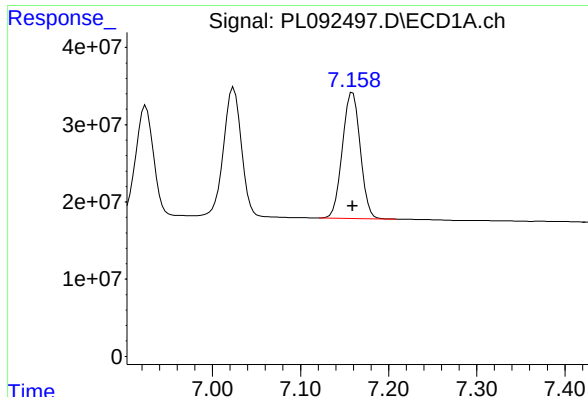
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 198286504
Conc: 97.16 ng/ml



#18 Endrin aldehyde

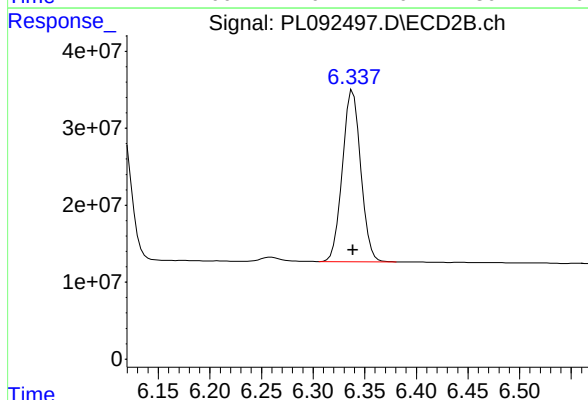
R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 231678619
Conc: 98.54 ng/ml



#19 Endosulfan Sulfate

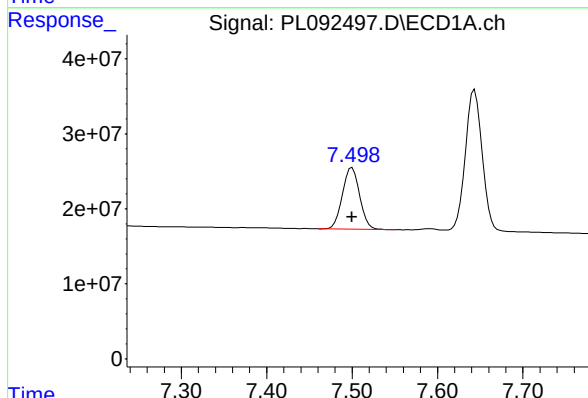
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 230448000
Conc: 97.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



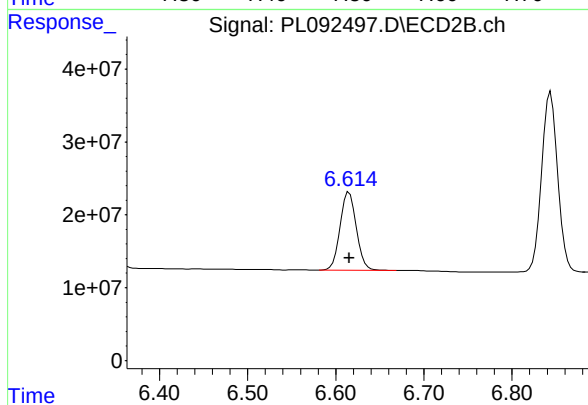
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 276041097
Conc: 98.99 ng/ml



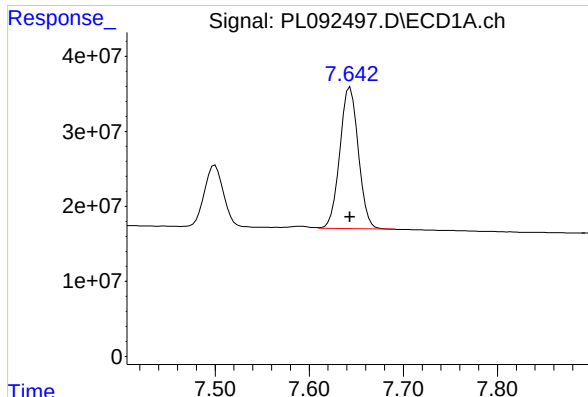
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 114835443
Conc: 97.20 ng/ml



#20 Methoxychlor

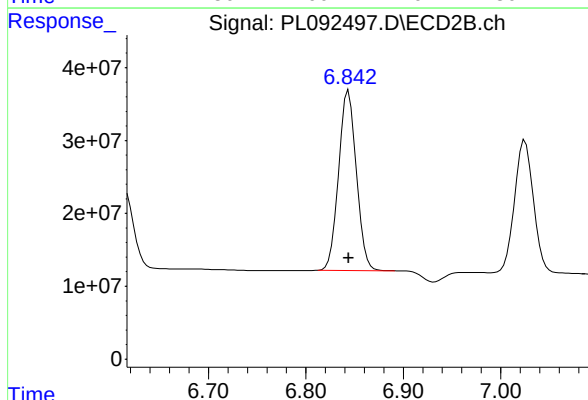
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 138399163
Conc: 99.47 ng/ml



#21 Endrin ketone

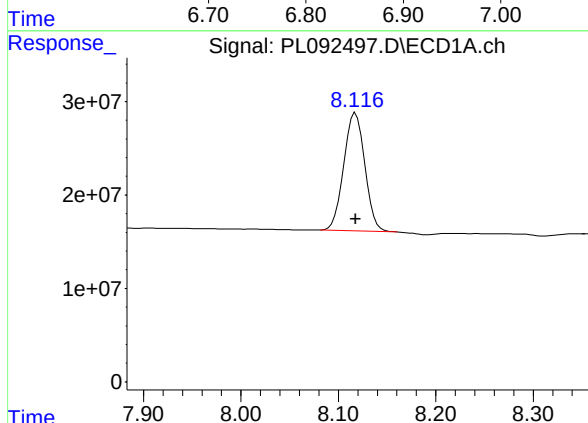
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 257277297
Conc: 97.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



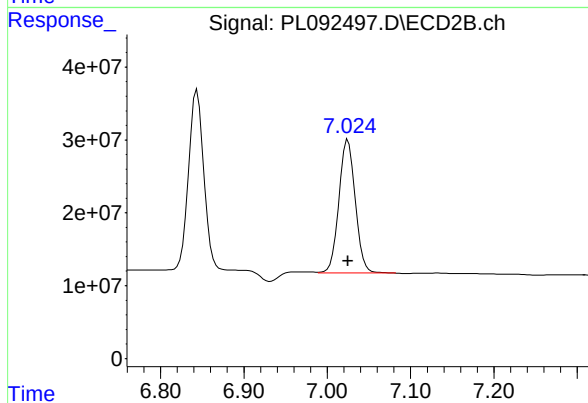
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 312523073
Conc: 98.77 ng/ml



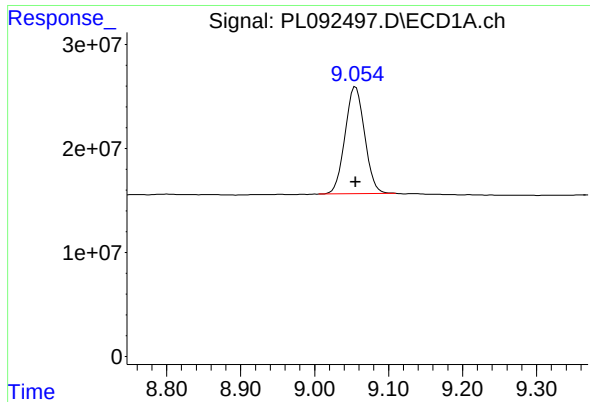
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.000 min
Response: 190061715
Conc: 97.23 ng/ml



#22 Mirex

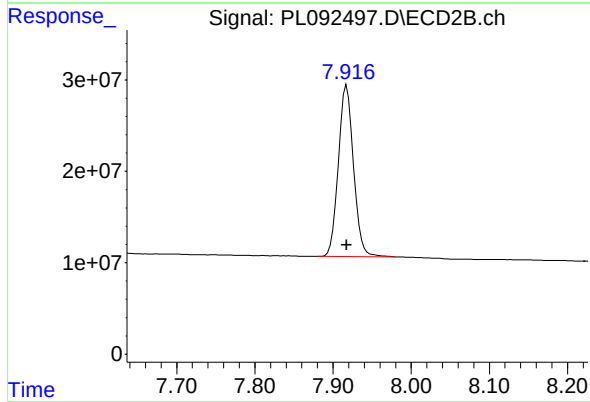
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 250145388
Conc: 98.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 189362696
Conc: 98.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 253302005
Conc: 98.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
 Data File : PL092498.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 13:13
 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: Oct 21 16:50:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 16:43:52 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.777	191.5E6	202.8E6	74.819	74.655
2) SA Decachlor...	9.056	7.917	143.4E6	188.2E6	74.503	73.881
Target Compounds						
2) A alpha-BHC	3.994	3.280	292.5E6	318.7E6	74.583	74.753
3) MA gamma-BHC...	4.327	3.610	275.5E6	304.2E6	74.610	74.419
4) MA Heptachlor	4.915	3.949	248.1E6	291.8E6	74.399	74.452
5) MB Aldrin	5.257	4.229	255.0E6	290.1E6	74.375	74.428
6) B beta-BHC	4.524	3.910	111.4E6	122.4E6	74.629	74.183
7) B delta-BHC	4.772	4.139	265.3E6	305.3E6	74.326	74.484
8) B Heptachlo...	5.683	4.732	228.0E6	255.9E6	73.613	74.573
9) A Endosulfan I	6.069	5.101	210.8E6	235.4E6	74.549	74.967
10) B gamma-Chl...	5.940	4.982	228.5E6	266.4E6	74.615	74.717
11) B alpha-Chl...	6.019	5.045	225.3E6	260.0E6	74.560	74.993
12) B 4,4'-DDE	6.192	5.235	210.9E6	251.3E6	74.550	74.338
13) MA Dieldrin	6.344	5.366	227.7E6	263.4E6	74.449	74.456
14) MA Endrin	6.575	5.641	196.9E6	233.5E6	74.382	74.163
15) B Endosulfa...	6.794	5.936	195.6E6	221.9E6	74.003	74.649
16) A 4,4'-DDD	6.710	5.789	169.4E6	203.4E6	74.021	74.689
17) MA 4,4'-DDT	7.024	6.040	176.6E6	214.7E6	73.942	74.554
18) B Endrin al...	6.924	6.116	150.3E6	174.8E6	74.090	74.564
19) B Endosulfa...	7.159	6.339	175.2E6	207.4E6	74.186	74.569
20) A Methoxychlor	7.500	6.616	86878843	103.5E6	74.020	74.596
21) B Endrin ke...	7.644	6.844	194.7E6	234.9E6	74.197	74.495
22) Mirex	8.117	7.025	144.8E6	189.7E6	74.387	74.862

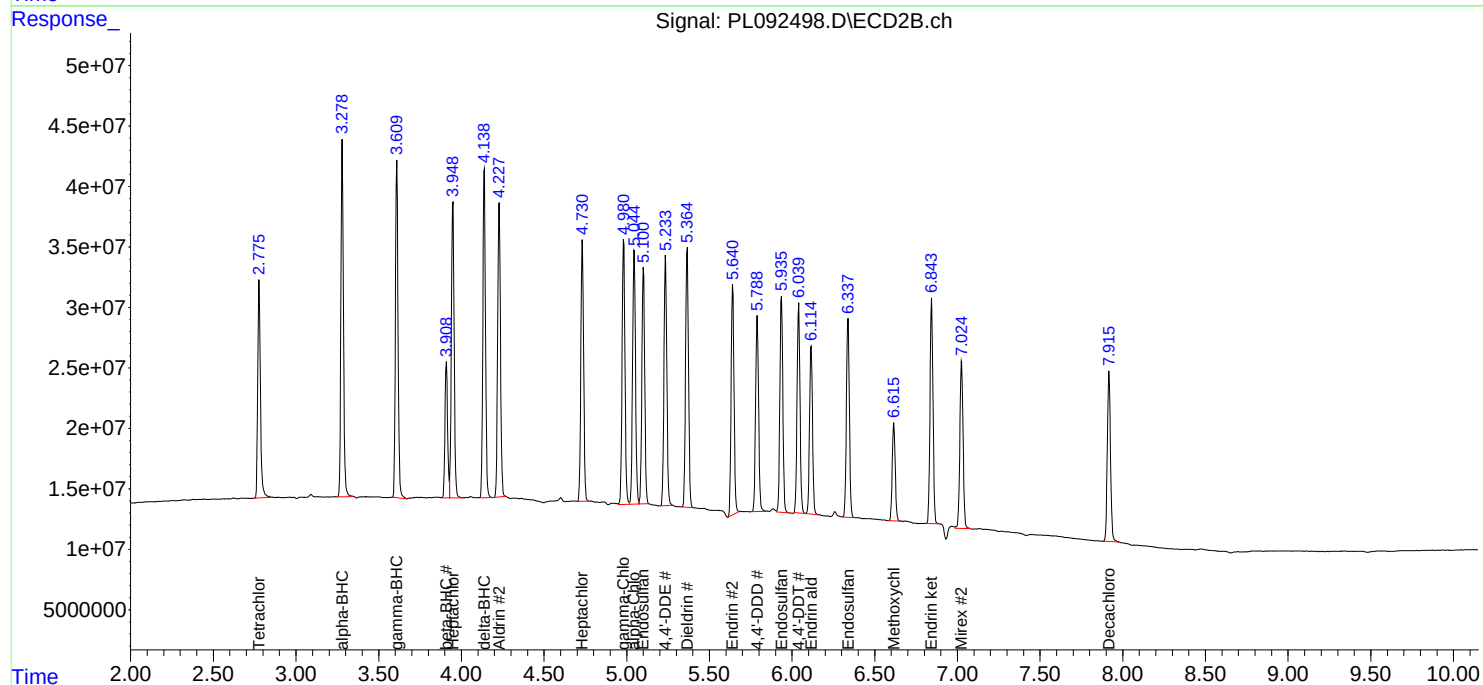
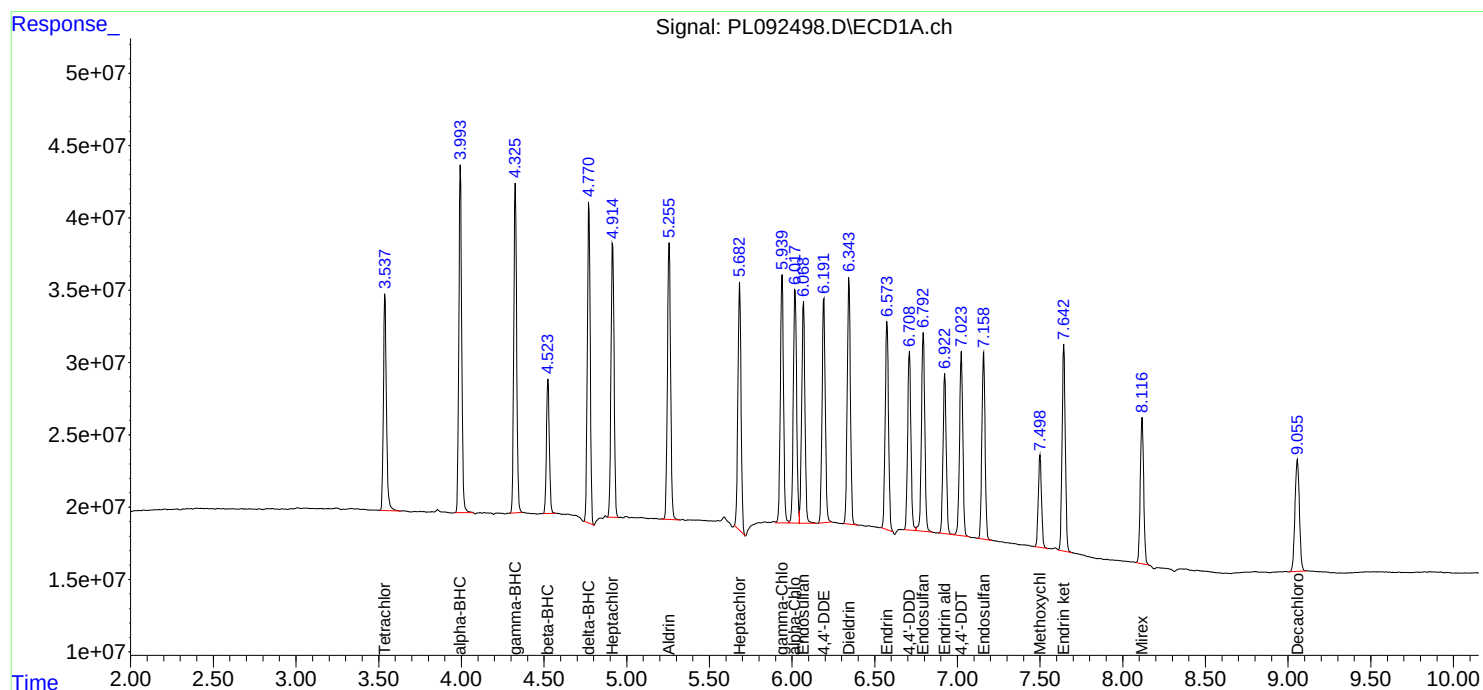
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

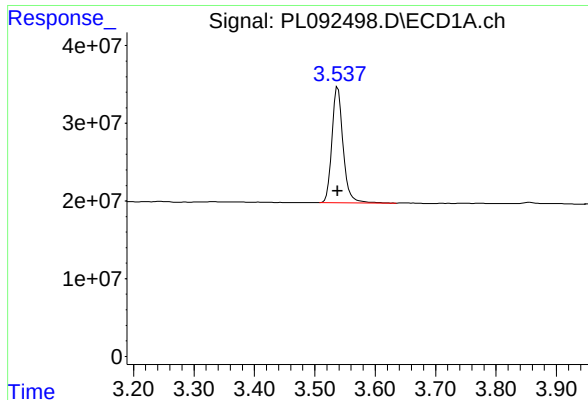
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:13
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:50:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

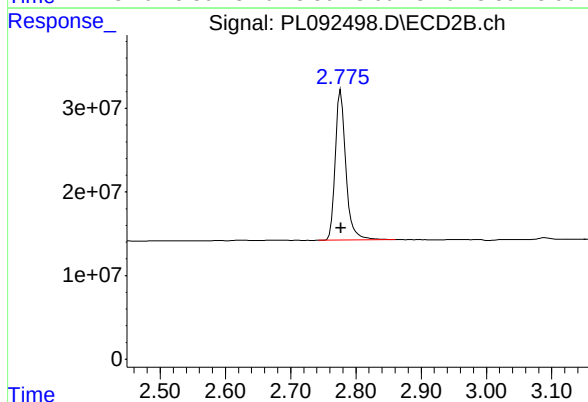




#1 Tetrachloro-m-xylene

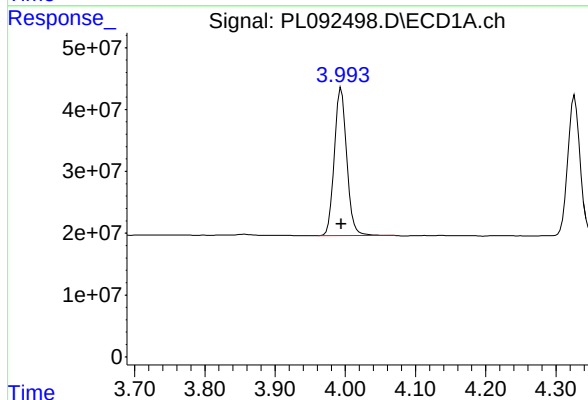
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 191466803
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



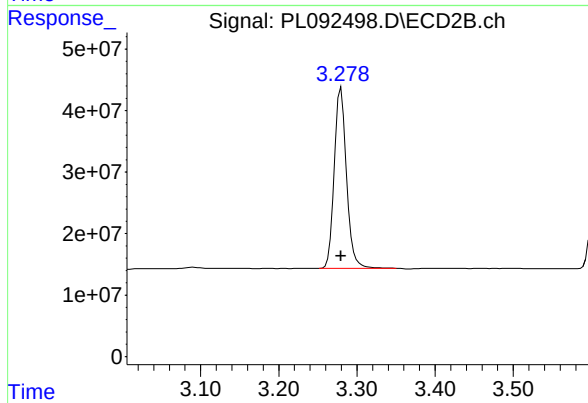
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 202801715
Conc: 74.66 ng/ml



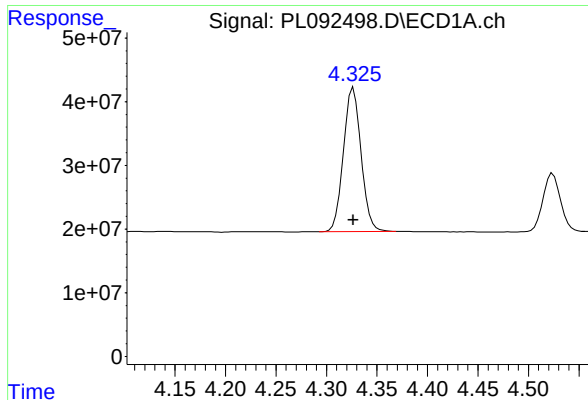
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 292537822
Conc: 74.58 ng/ml



#2 alpha-BHC

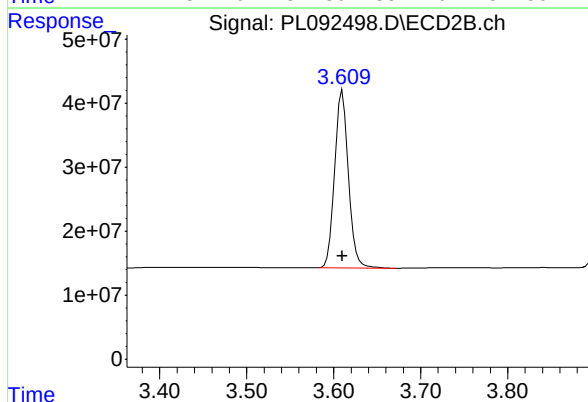
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 318732288
Conc: 74.75 ng/ml



#3 gamma-BHC (Lindane)

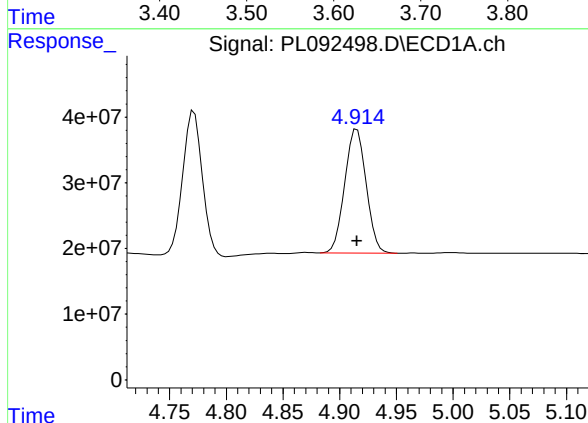
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 275453300
Conc: 74.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



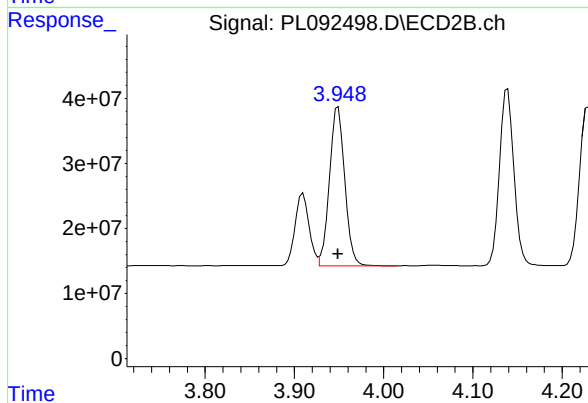
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 304155909
Conc: 74.42 ng/ml



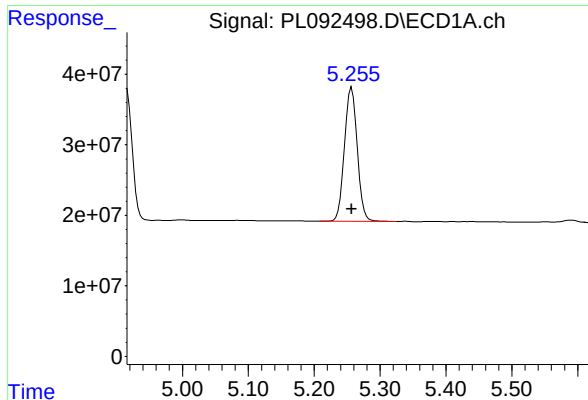
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 248092399
Conc: 74.40 ng/ml



#4 Heptachlor

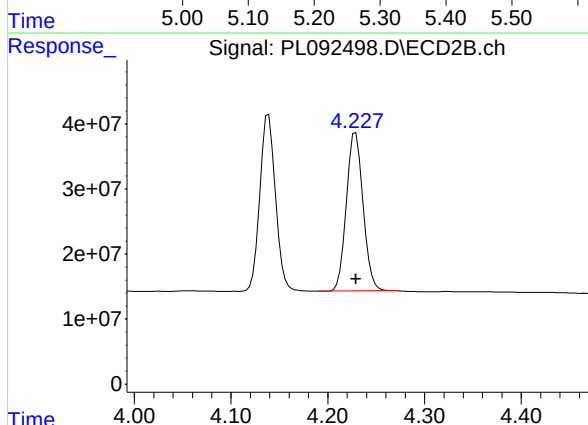
R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 291837913
Conc: 74.45 ng/ml



#5 Aldrin

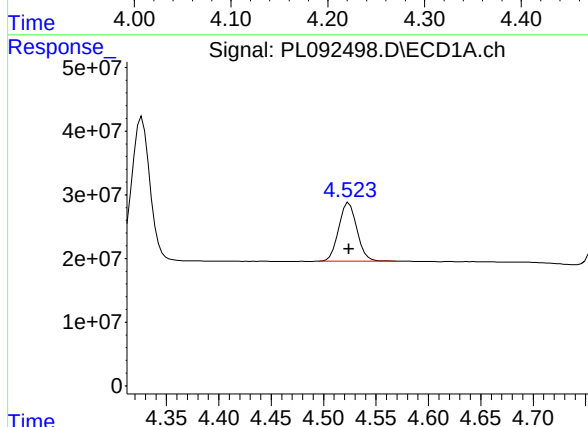
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 254969644
Conc: 74.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



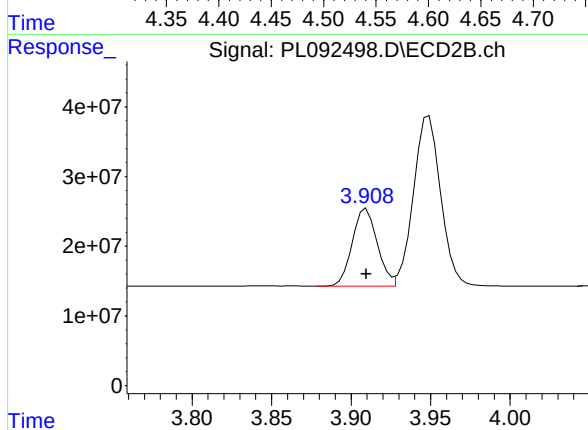
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 290051159
Conc: 74.43 ng/ml



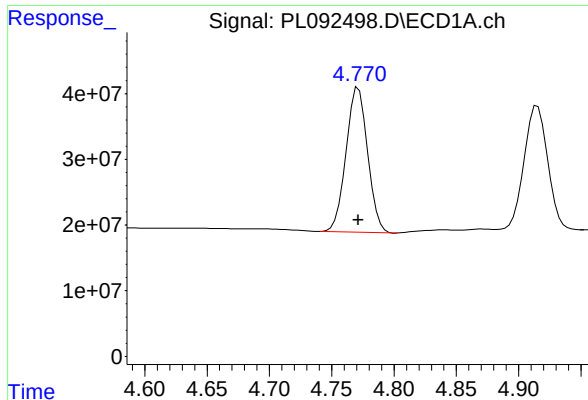
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 111411108
Conc: 74.63 ng/ml



#6 beta-BHC

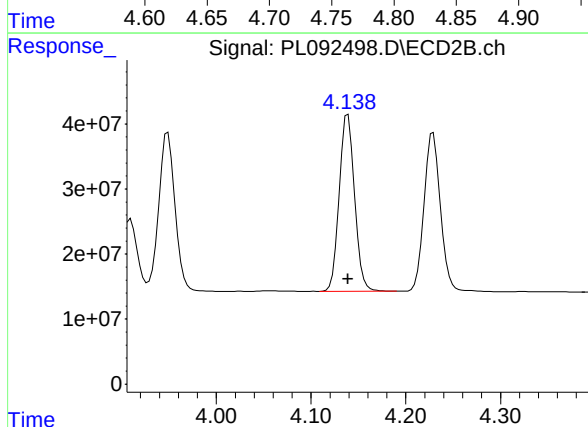
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 122353820
Conc: 74.18 ng/ml



#7 delta-BHC

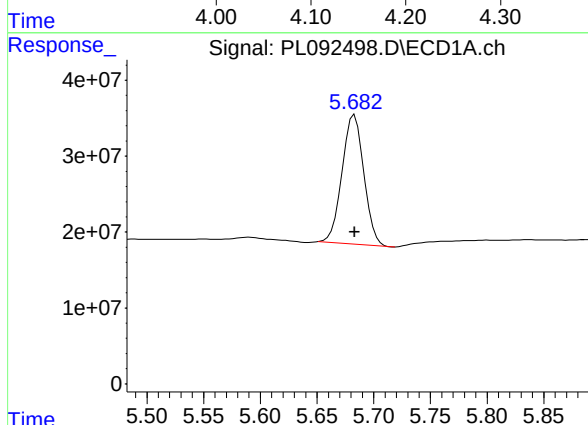
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 265330019
Conc: 74.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



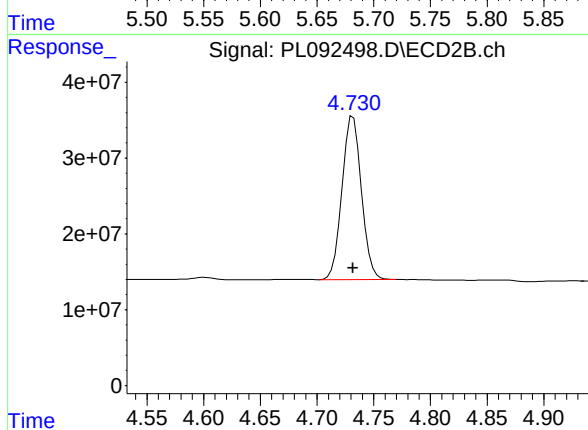
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 305250801
Conc: 74.48 ng/ml



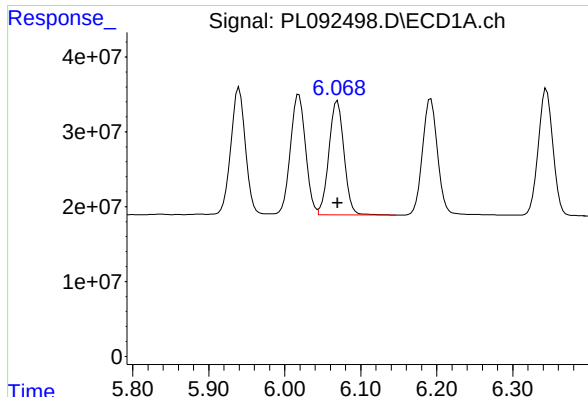
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 228046943
Conc: 73.61 ng/ml



#8 Heptachlor epoxide

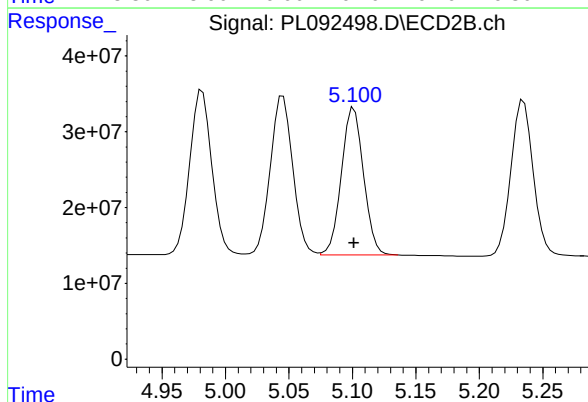
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 255909136
Conc: 74.57 ng/ml



#9 Endosulfan I

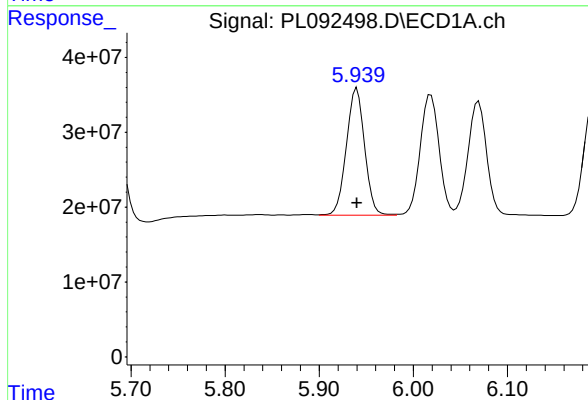
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 210787302
Conc: 74.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



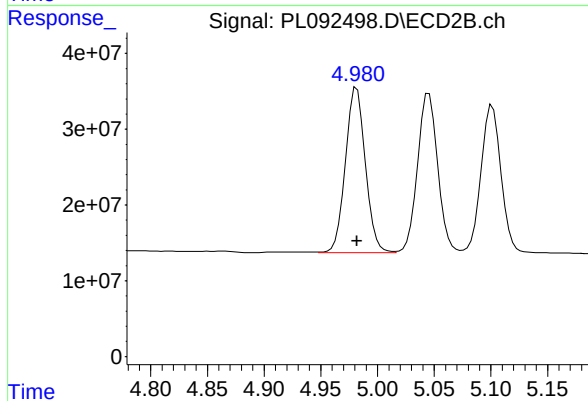
#9 Endosulfan I

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 235358949
Conc: 74.97 ng/ml



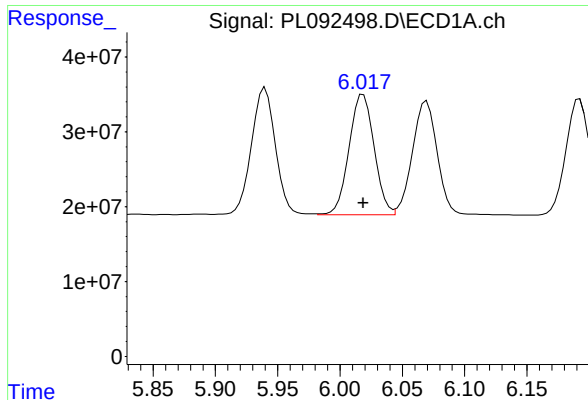
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 228490248
Conc: 74.61 ng/ml



#10 gamma-Chlordane

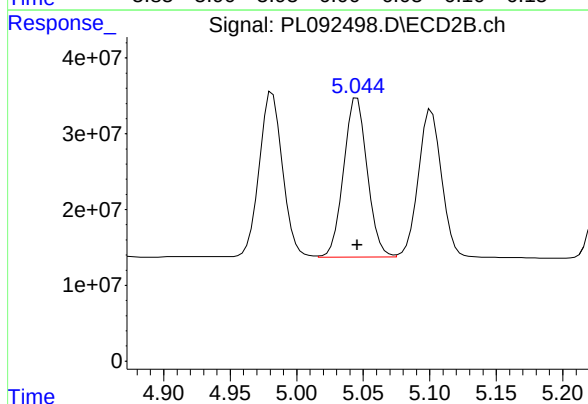
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 266420420
Conc: 74.72 ng/ml



#11 alpha-Chlordane

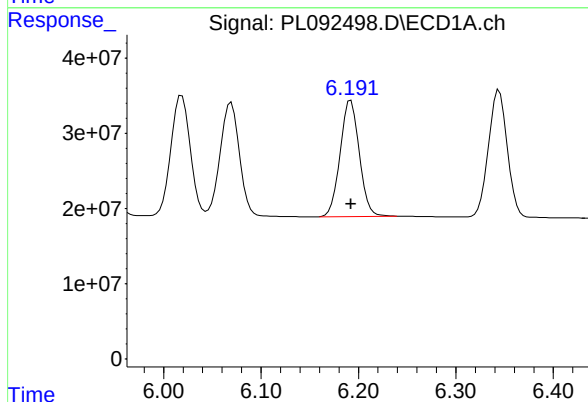
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 225313740
Conc: 74.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



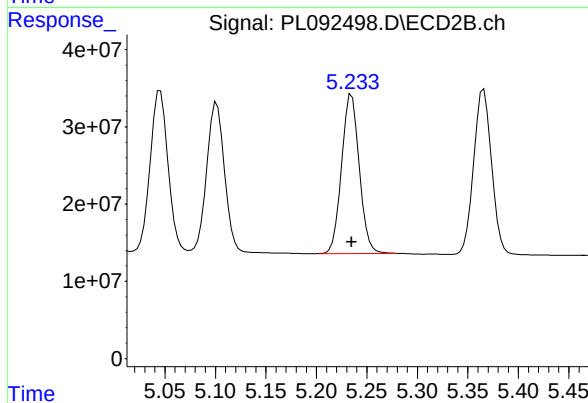
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 260043780
Conc: 74.99 ng/ml



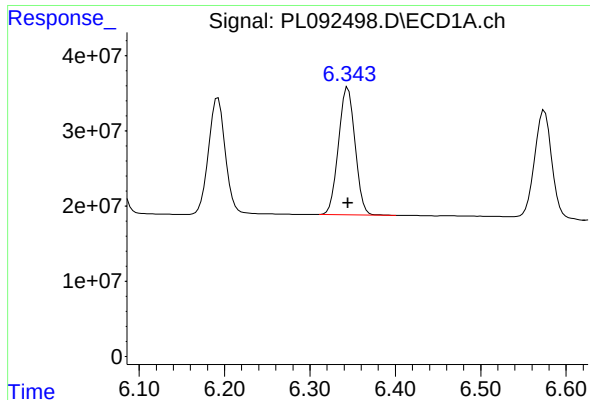
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 210897807
Conc: 74.55 ng/ml



#12 4,4'-DDE

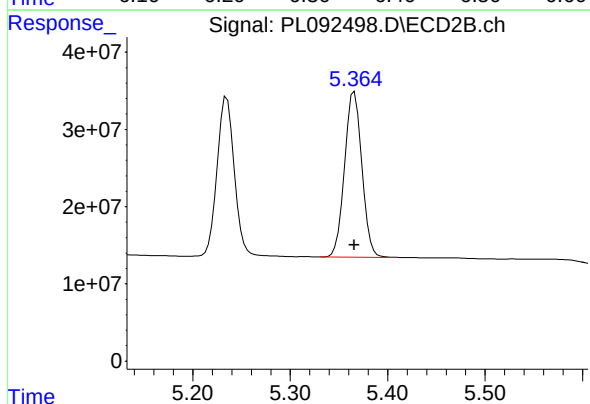
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 251271669
Conc: 74.34 ng/ml



#13 Dieldrin

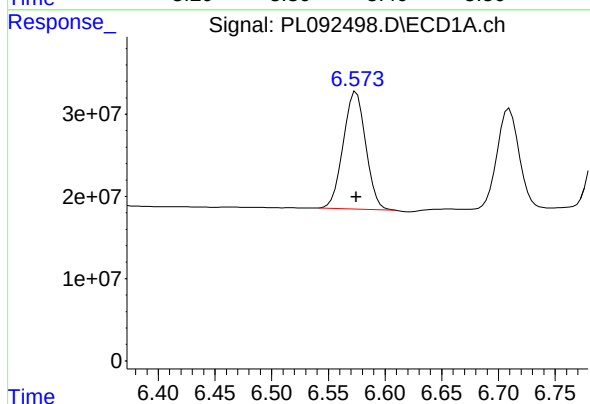
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 227663058
Conc: 74.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



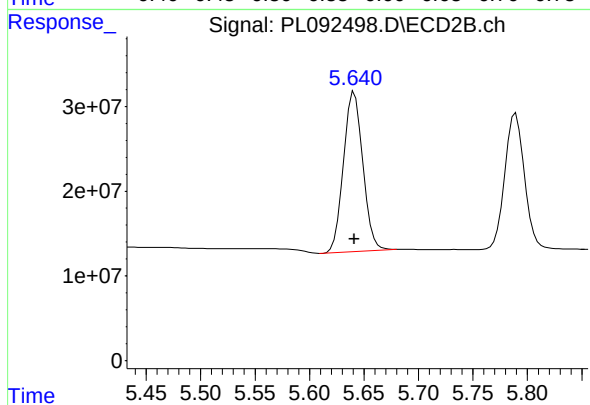
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 263393059
Conc: 74.46 ng/ml



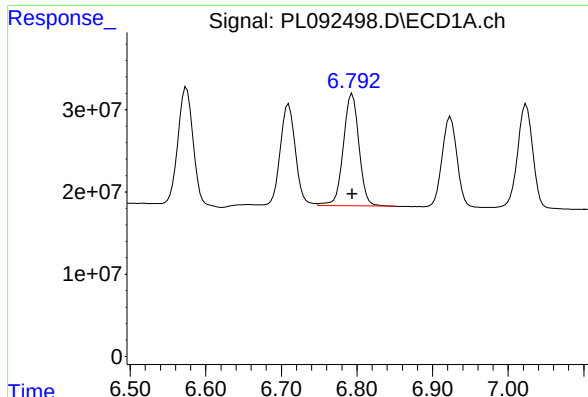
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 196876025
Conc: 74.38 ng/ml



#14 Endrin

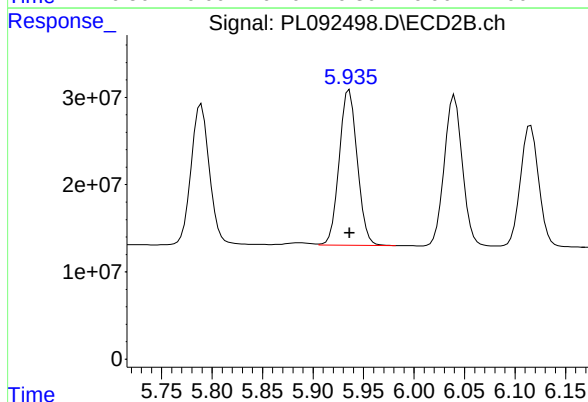
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 233538371
Conc: 74.16 ng/ml



#15 Endosulfan II

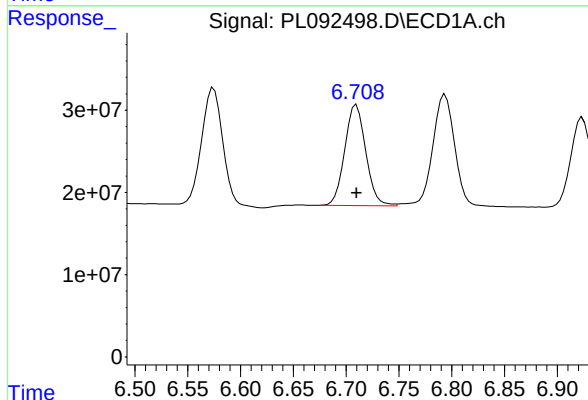
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 195552853
Conc: 74.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



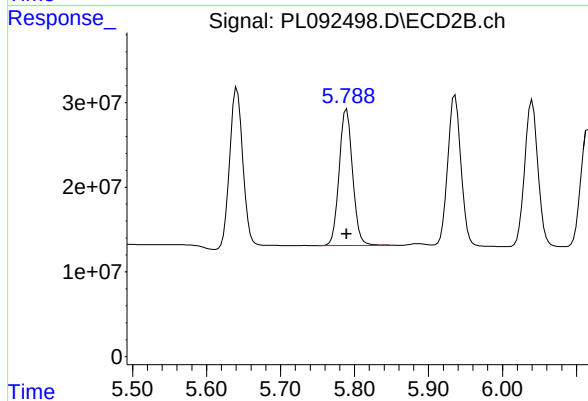
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 221907958
Conc: 74.65 ng/ml



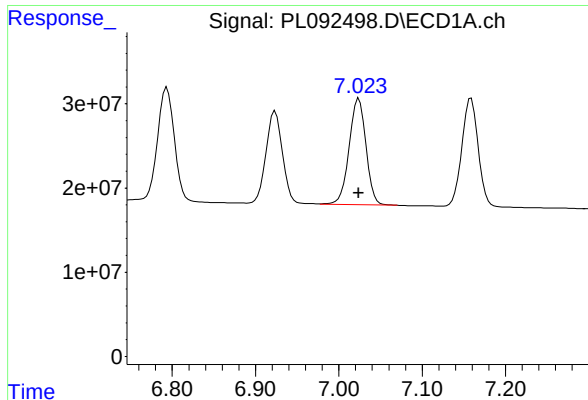
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 169396393
Conc: 74.02 ng/ml



#16 4,4'-DDD

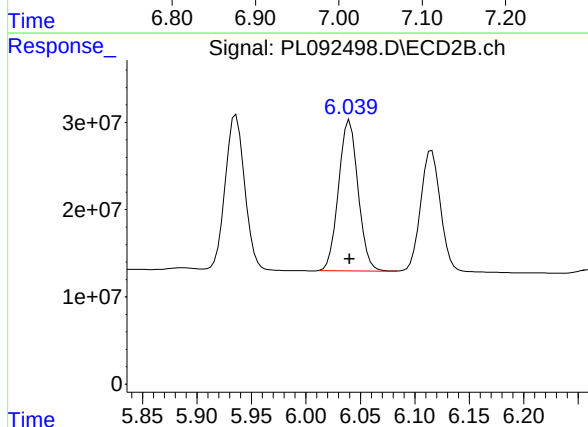
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 203381222
Conc: 74.69 ng/ml



#17 4,4'-DDT

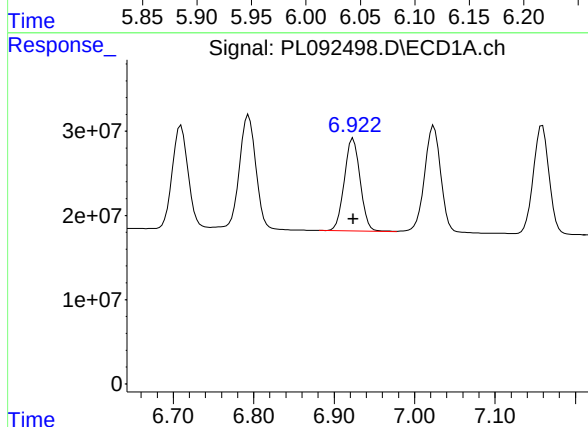
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 176602251
Conc: 73.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



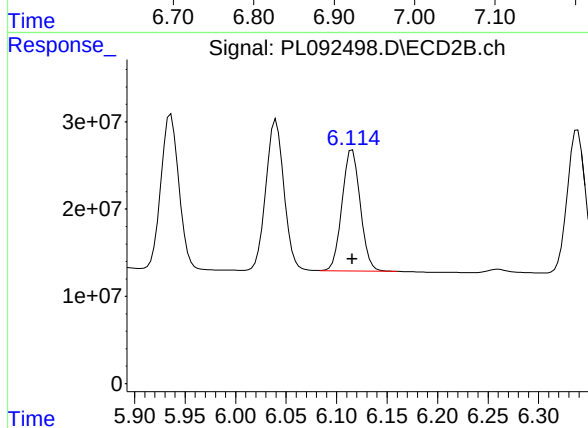
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 214717086
Conc: 74.55 ng/ml



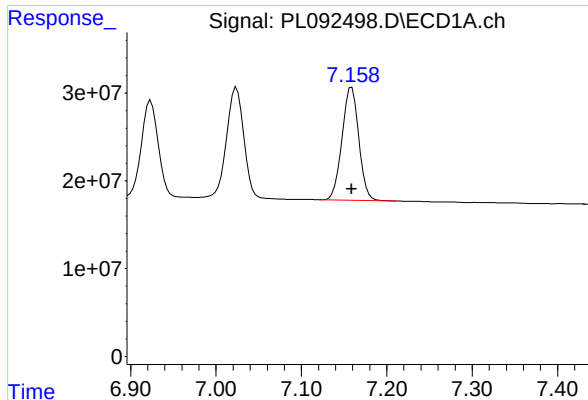
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 150287418
Conc: 74.09 ng/ml



#18 Endrin aldehyde

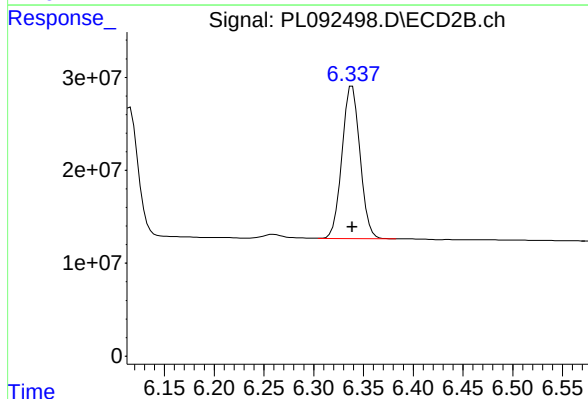
R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 174795769
Conc: 74.56 ng/ml



#19 Endosulfan Sulfate

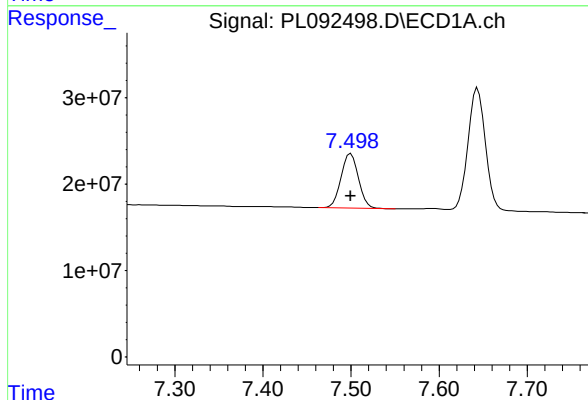
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 175180356
Conc: 74.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



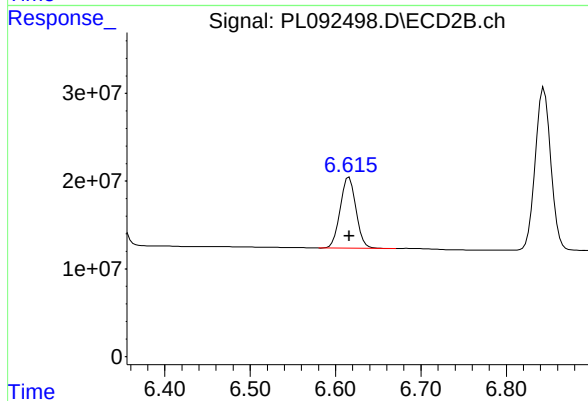
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 207350232
Conc: 74.57 ng/ml



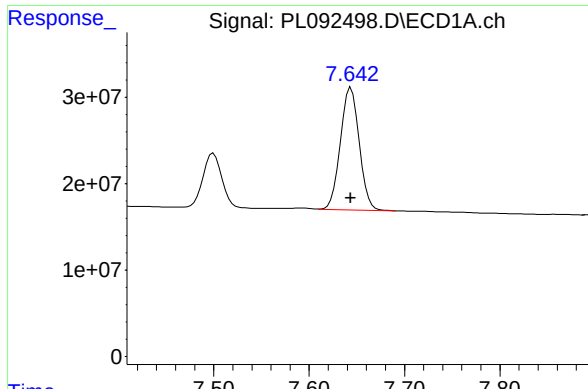
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 86878843
Conc: 74.02 ng/ml



#20 Methoxychlor

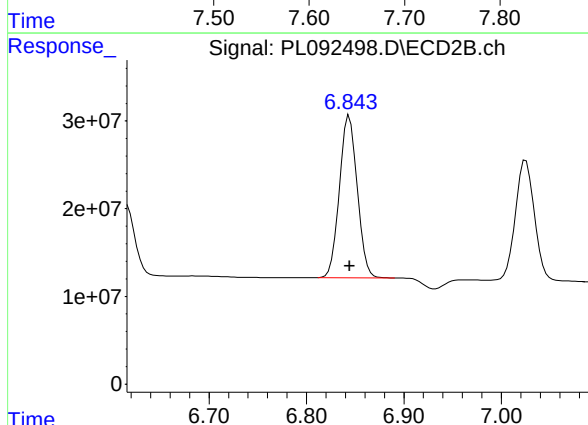
R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 103513481
Conc: 74.60 ng/ml



#21 Endrin ketone

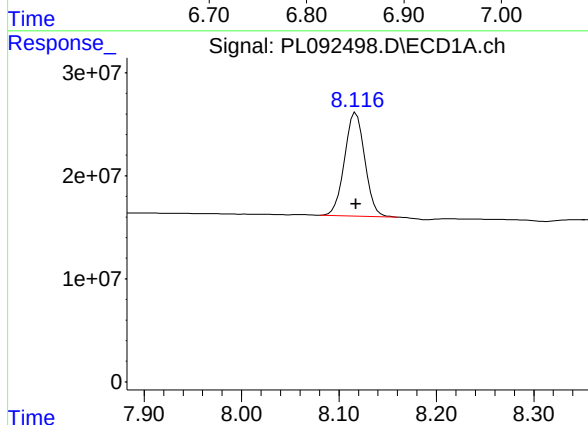
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 194695398
Conc: 74.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



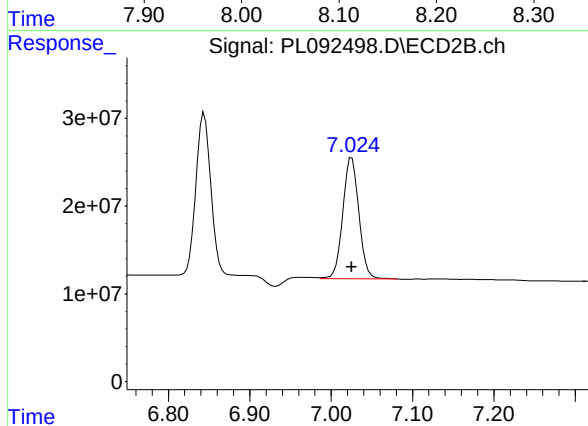
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 234924495
Conc: 74.49 ng/ml



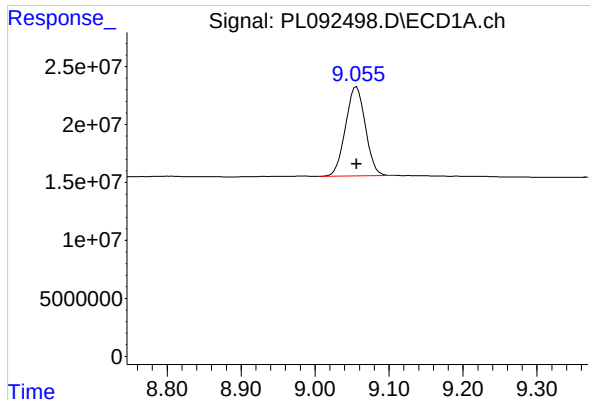
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 144811672
Conc: 74.39 ng/ml



#22 Mirex

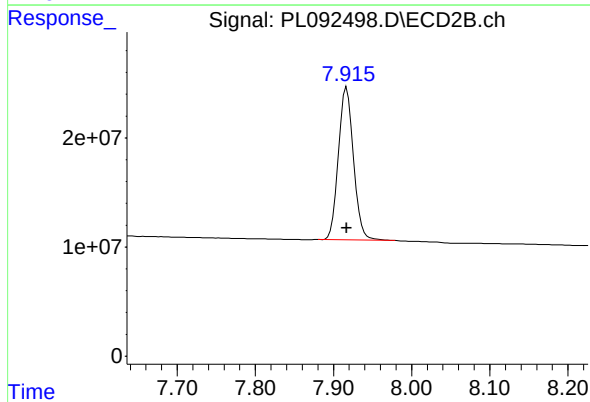
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 189706760
Conc: 74.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 143392392
Conc: 74.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 188173626
Conc: 73.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:26
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: Oct 21 16:44:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.777	129.3E6	136.8E6	50.000	50.000
28) SA Decachlor...	9.055	7.917	98423153	129.9E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.994	3.280	199.3E6	213.0E6	50.000	50.000
3) MA gamma-BHC...	4.327	3.610	187.6E6	205.4E6	50.000	50.000
4) MA Heptachlor	4.915	3.949	171.5E6	198.0E6	50.000	50.000
5) MB Aldrin	5.257	4.229	176.4E6	196.0E6	50.000	50.000
6) B beta-BHC	4.524	3.910	76027327	83967530	50.000	50.000
7) B delta-BHC	4.771	4.138	182.3E6	205.4E6	50.000	50.000
8) B Heptachlo...	5.683	4.731	162.4E6	173.7E6	50.000	50.000
9) A Endosulfan I	6.069	5.101	145.7E6	158.2E6	50.000	50.000
10) B gamma-Chl...	5.939	4.981	158.3E6	180.0E6	50.000	50.000
11) B alpha-Chl...	6.018	5.045	156.4E6	174.1E6	50.000	50.000
12) B 4,4'-DDE	6.192	5.234	145.3E6	171.2E6	50.000	50.000
13) MA Dieldrin	6.345	5.366	157.2E6	178.8E6	50.000	50.000
14) MA Endrin	6.574	5.641	136.7E6	161.8E6	50.000	50.000
15) B Endosulfa...	6.794	5.936	137.4E6	152.5E6	50.000	50.000
16) A 4,4'-DDD	6.710	5.789	118.0E6	138.2E6	50.000	50.000
17) MA 4,4'-DDT	7.024	6.040	122.9E6	145.0E6	50.000	50.000
18) B Endrin al...	6.924	6.116	104.9E6	119.3E6	50.000	50.000
19) B Endosulfa...	7.159	6.338	122.2E6	140.8E6	50.000	50.000
20) A Methoxychlor	7.500	6.615	60721357	69939679	50.000	50.000
21) B Endrin ke...	7.644	6.844	135.2E6	160.2E6	50.000	50.000
22) Mirex	8.117	7.025	100.4E6	128.6E6	50.000	50.000

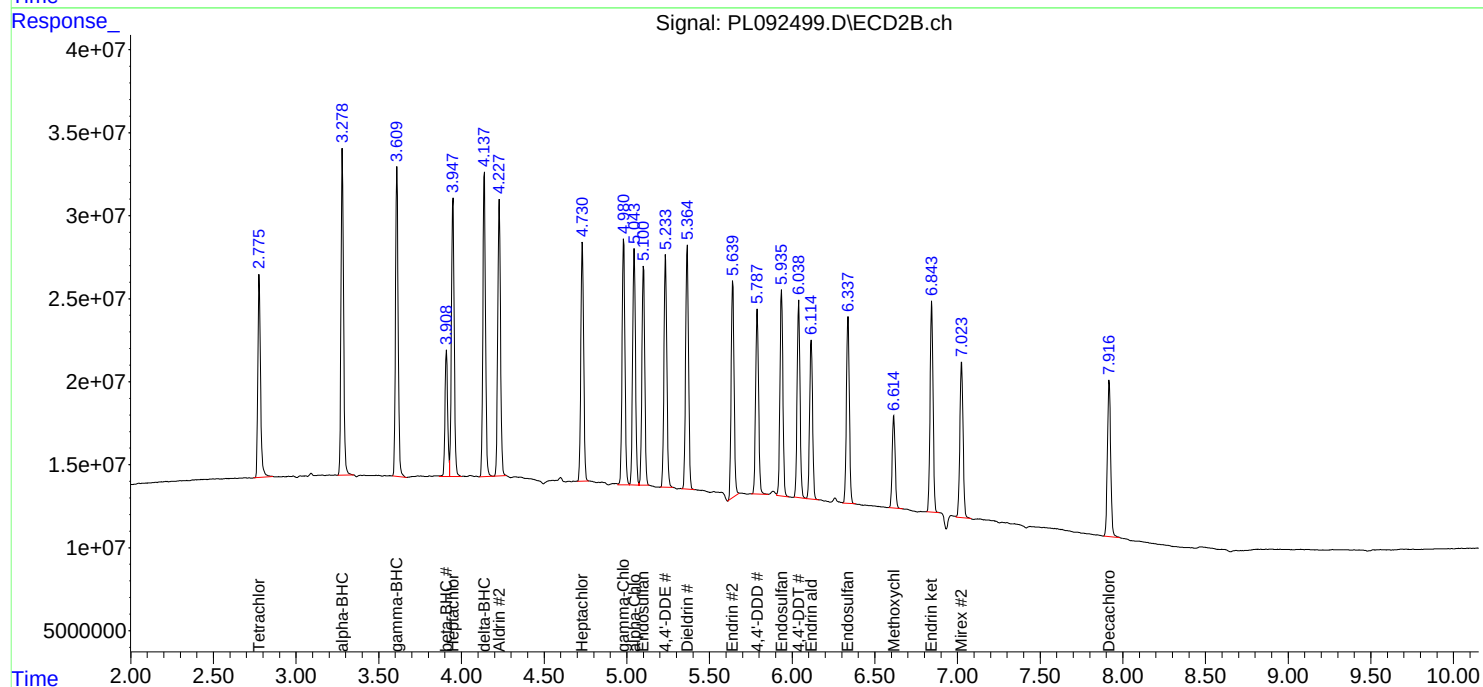
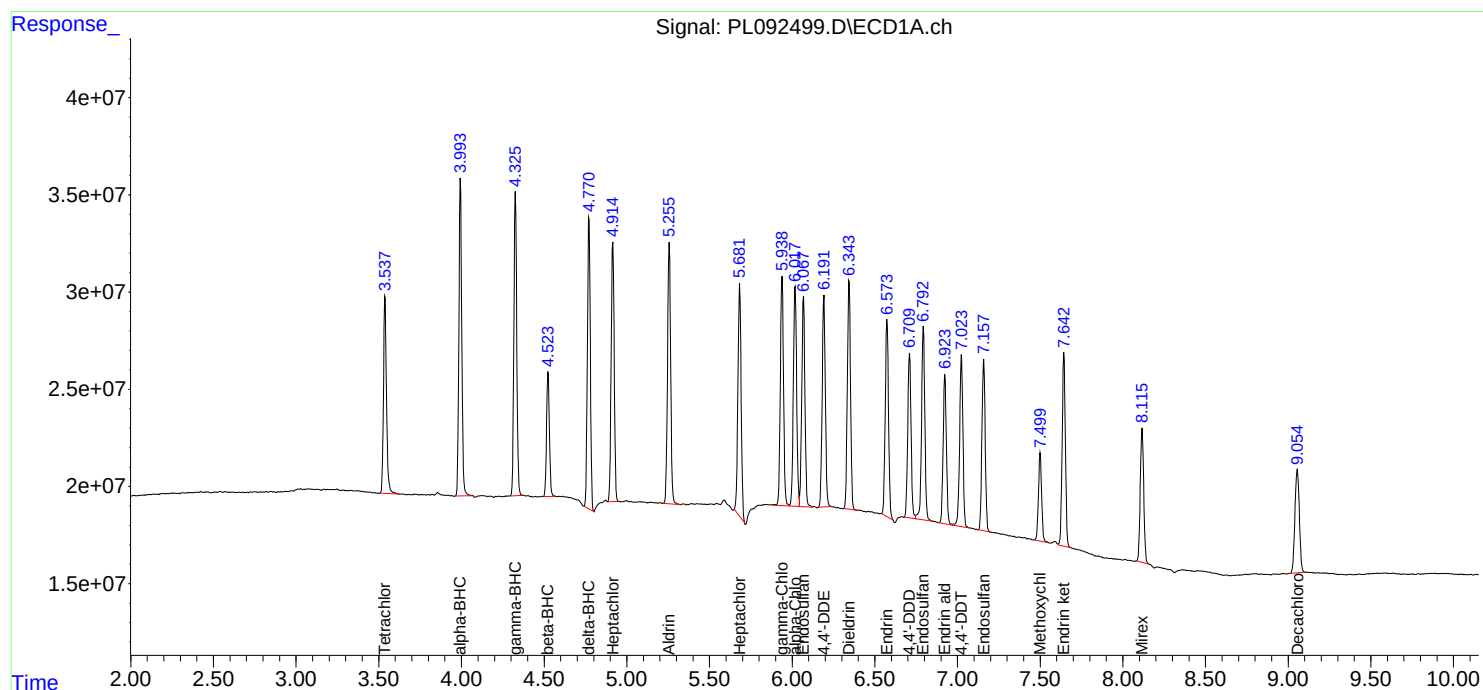
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

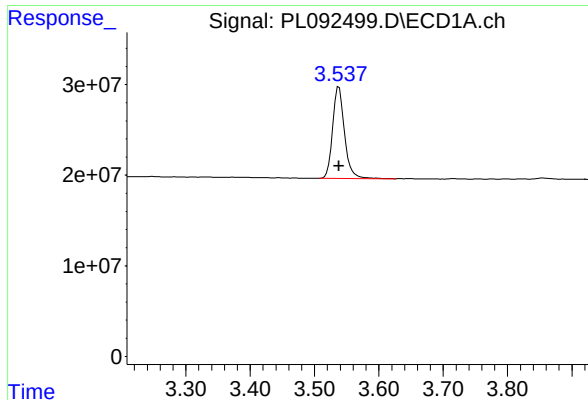
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:26
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:44:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

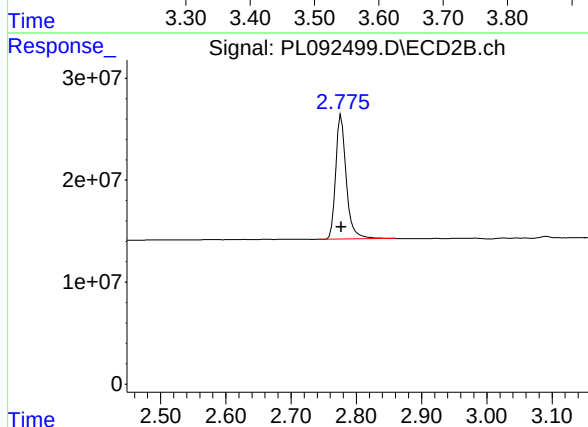




#1 Tetrachloro-m-xylene

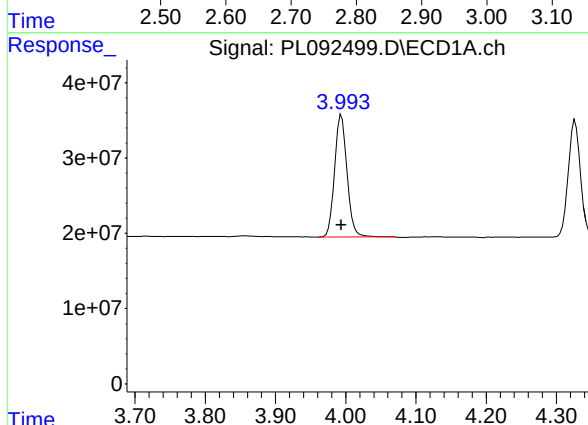
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 129348114
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



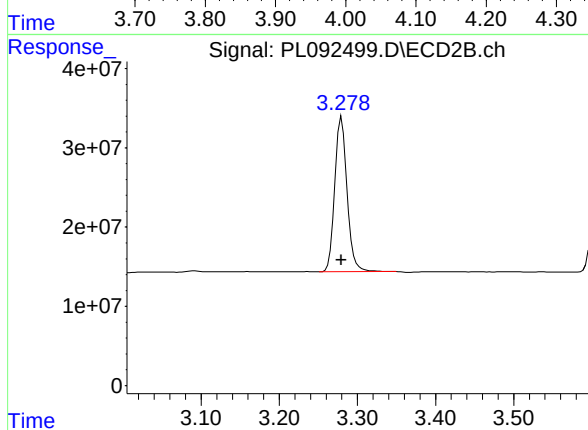
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 136763252
Conc: 50.00 ng/ml



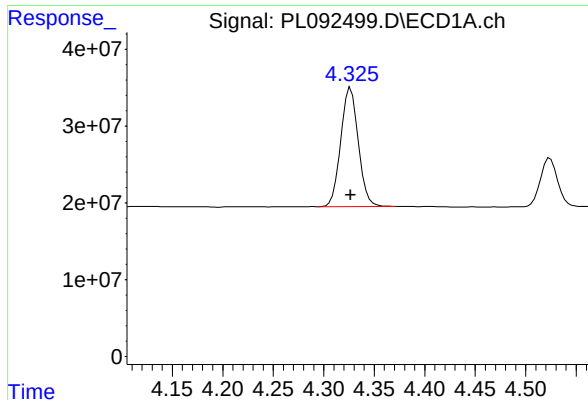
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 199272212
Conc: 50.00 ng/ml



#2 alpha-BHC

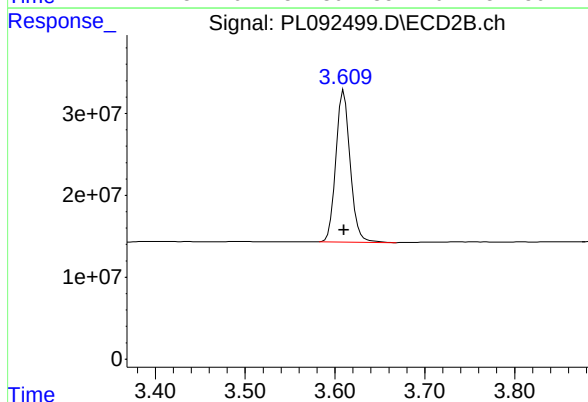
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 212980454
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

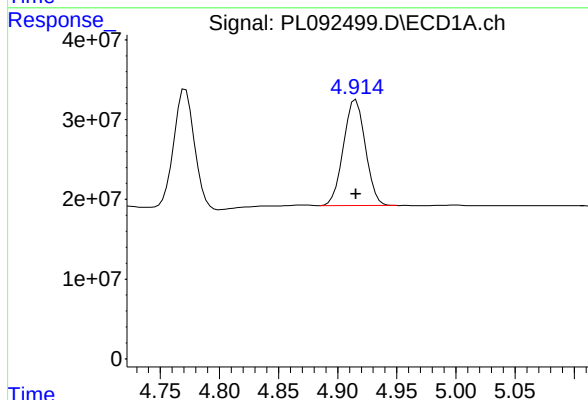
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 187553735
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



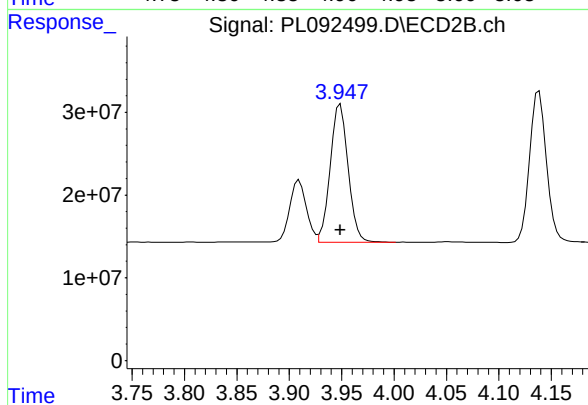
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 205354077
Conc: 50.00 ng/ml



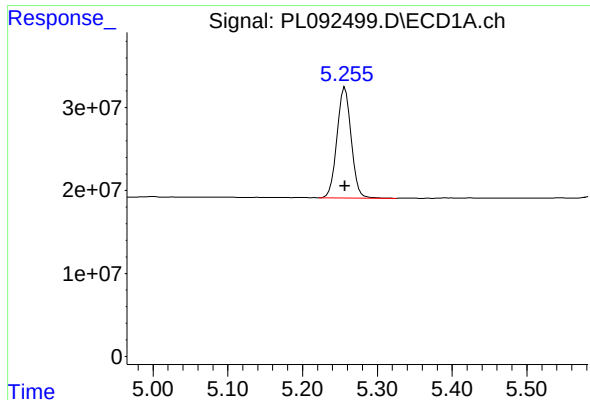
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 171454877
Conc: 50.00 ng/ml



#4 Heptachlor

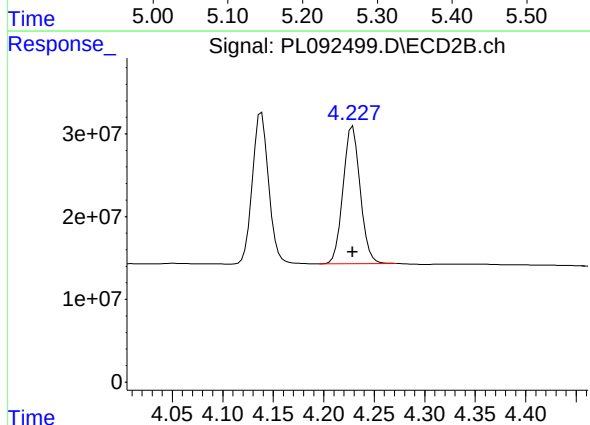
R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 197963498
Conc: 50.00 ng/ml



#5 Aldrin

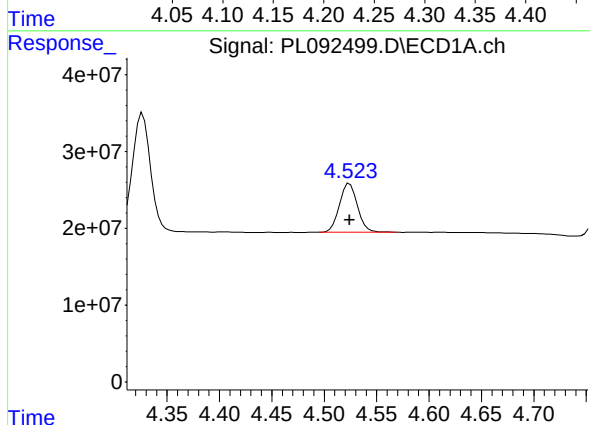
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 176369330
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



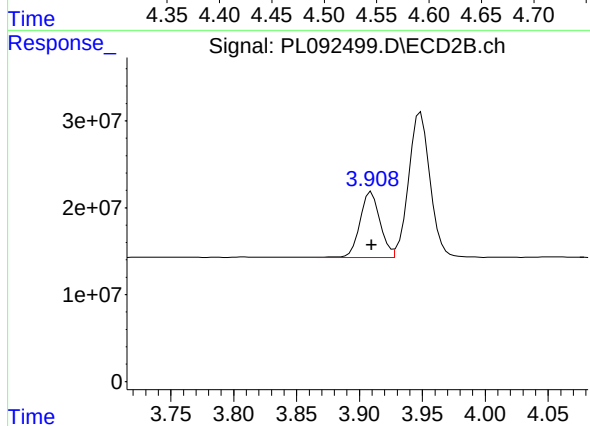
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 196049369
Conc: 50.00 ng/ml



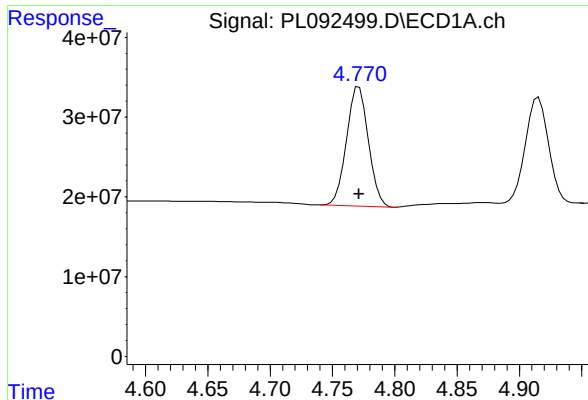
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 76027327
Conc: 50.00 ng/ml



#6 beta-BHC

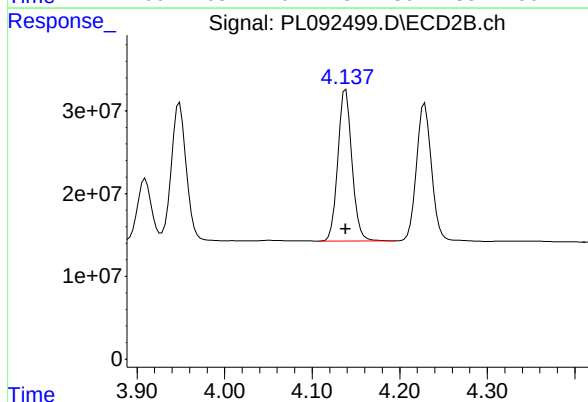
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 83967530
Conc: 50.00 ng/ml



#7 delta-BHC

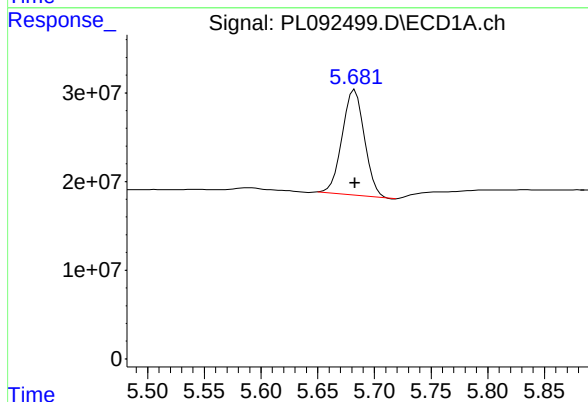
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 182261395
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



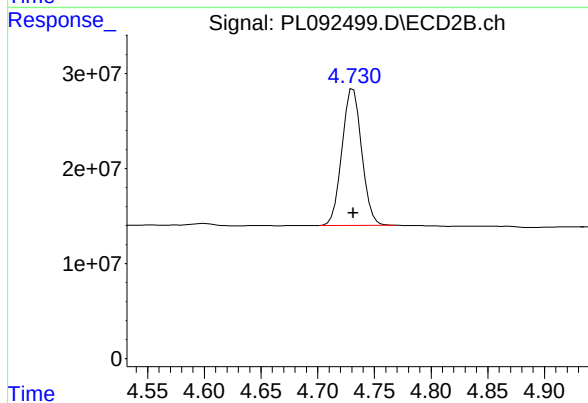
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 205438036
Conc: 50.00 ng/ml



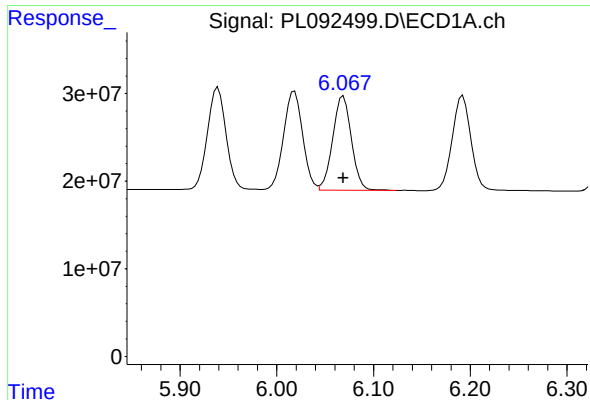
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 162420680
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

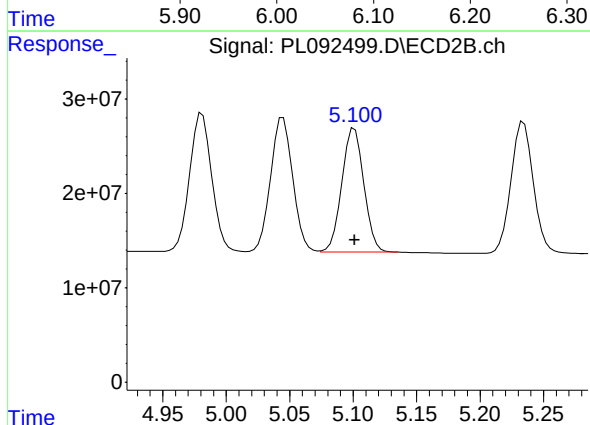
R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 173677383
Conc: 50.00 ng/ml



#9 Endosulfan I

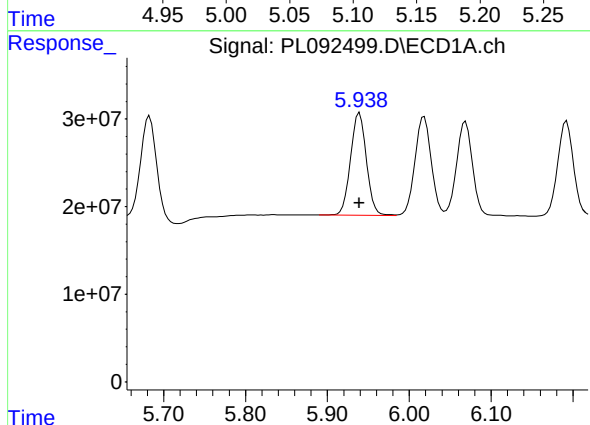
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 145660223
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



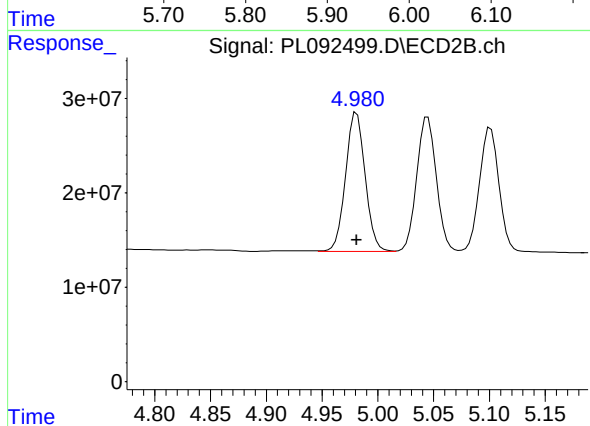
#9 Endosulfan I

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 158194447
Conc: 50.00 ng/ml



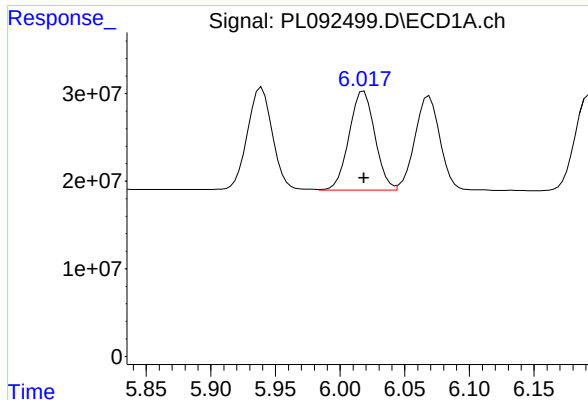
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 158255252
Conc: 50.00 ng/ml



#10 gamma-Chlordane

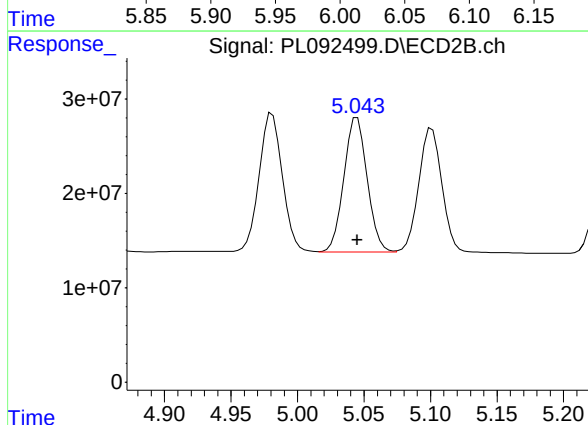
R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 180037637
Conc: 50.00 ng/ml



#11 alpha-Chlordane

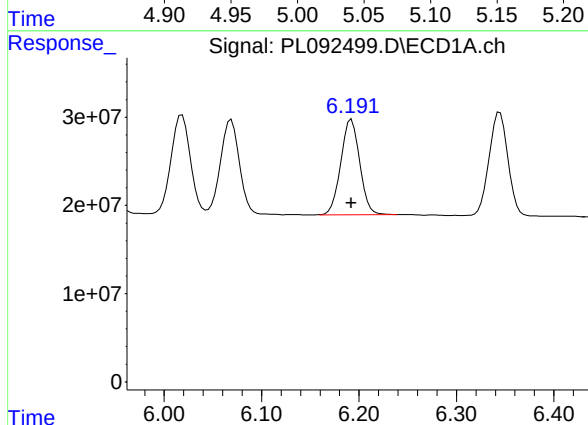
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 156378776
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



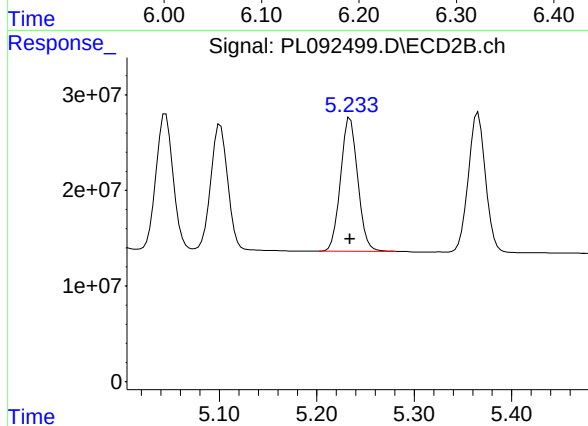
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 174074172
Conc: 50.00 ng/ml



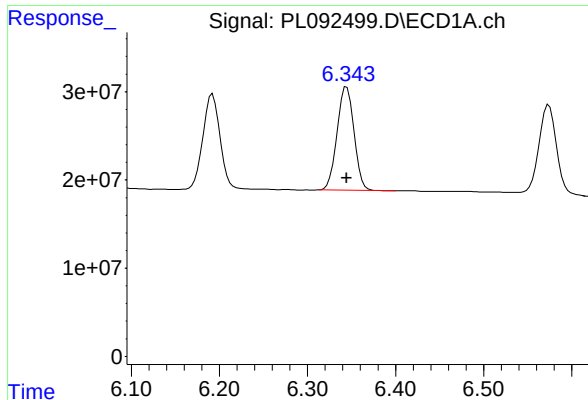
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 145343279
Conc: 50.00 ng/ml



#12 4,4'-DDE

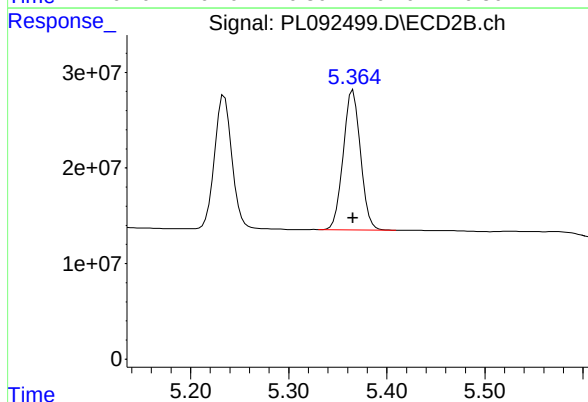
R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 171202532
Conc: 50.00 ng/ml



#13 Dieldrin

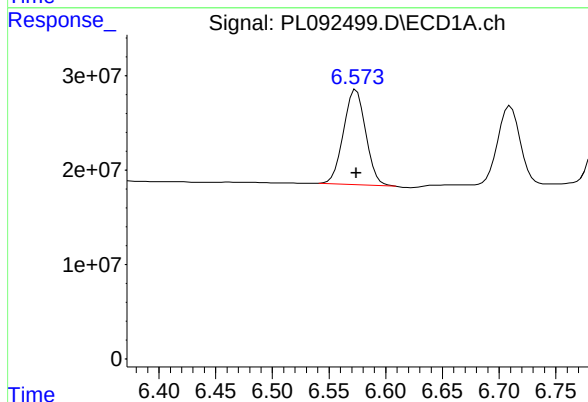
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 157191013
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



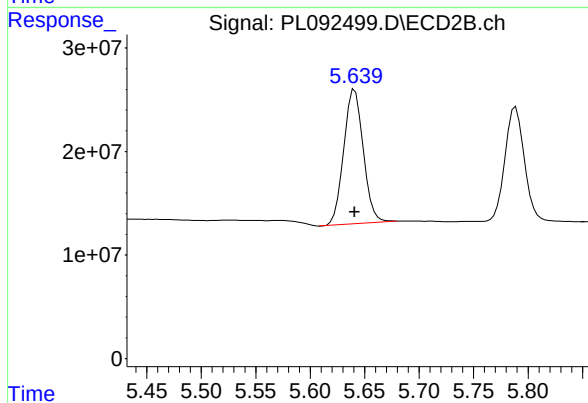
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 178809666
Conc: 50.00 ng/ml



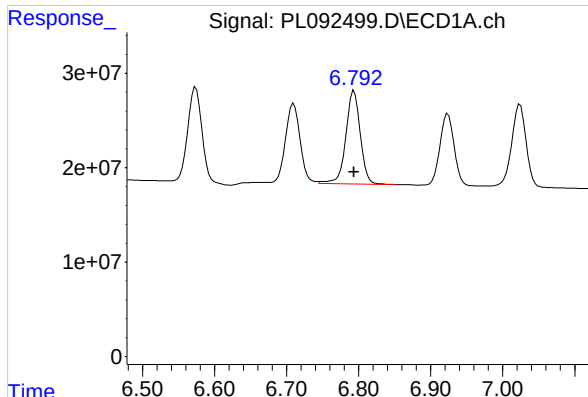
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 136739453
Conc: 50.00 ng/ml



#14 Endrin

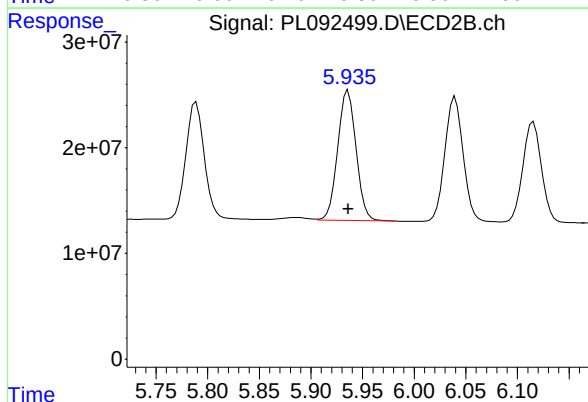
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 161845390
Conc: 50.00 ng/ml



#15 Endosulfan II

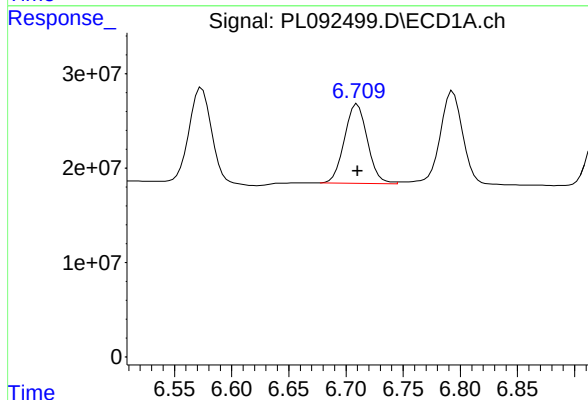
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 137429132
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



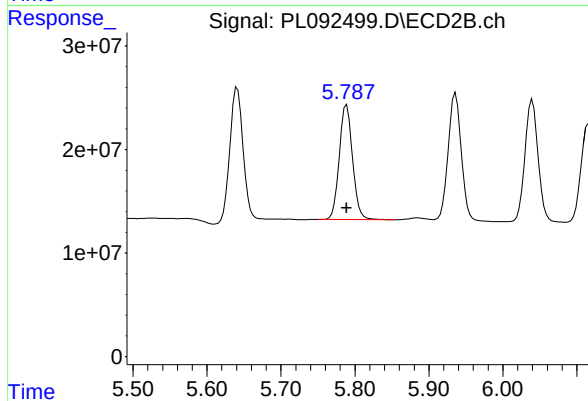
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 152489089
Conc: 50.00 ng/ml



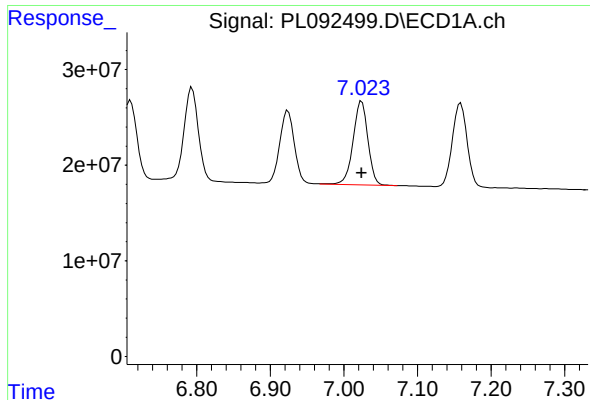
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 118020904
Conc: 50.00 ng/ml



#16 4,4'-DDD

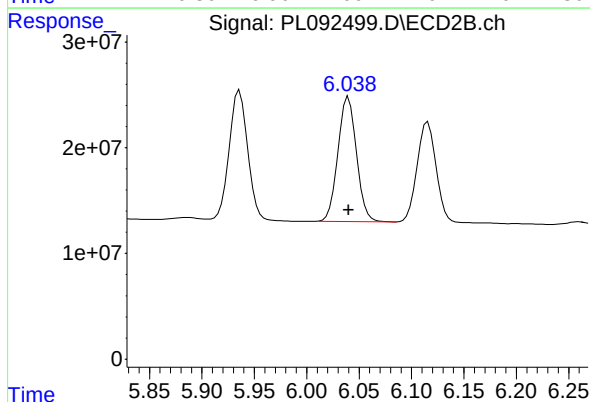
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 138178527
Conc: 50.00 ng/ml



#17 4,4'-DDT

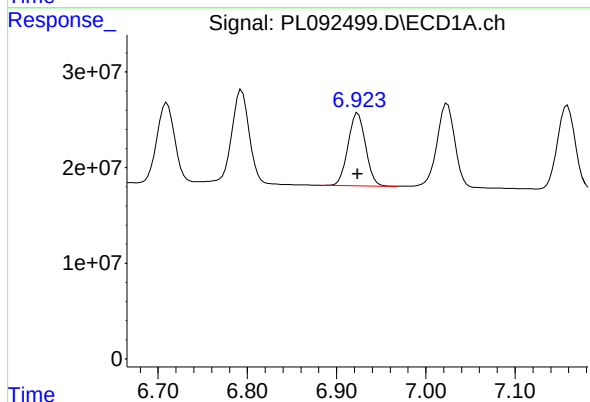
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 122933507
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



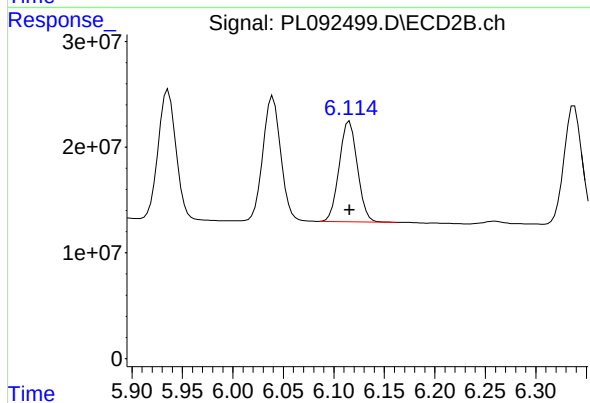
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 145045583
Conc: 50.00 ng/ml



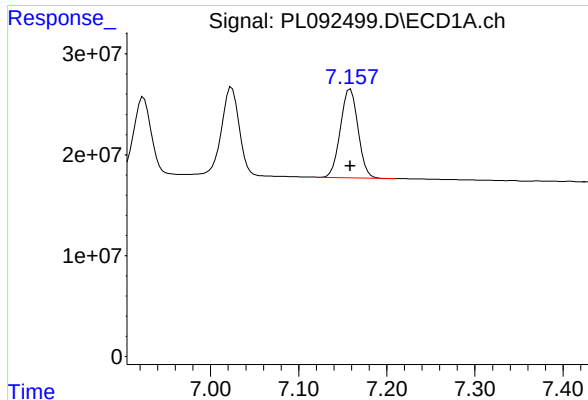
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 104933694
Conc: 50.00 ng/ml



#18 Endrin aldehyde

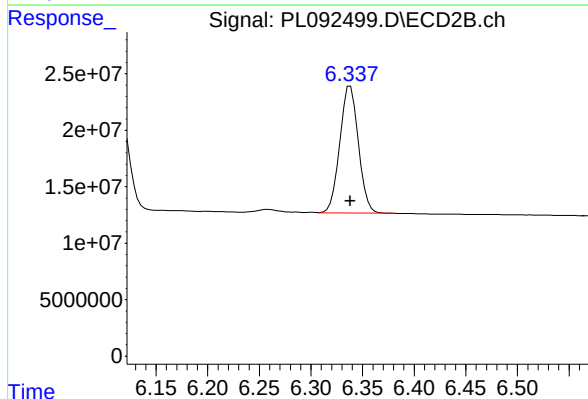
R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 119267425
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

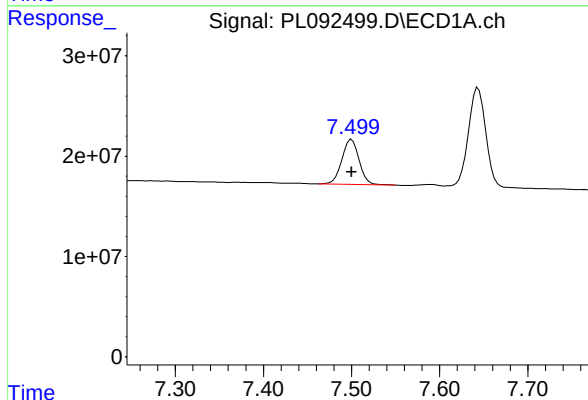
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 122192742
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



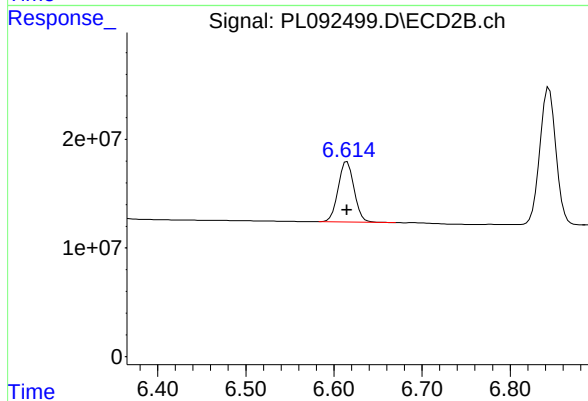
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 140840681
Conc: 50.00 ng/ml



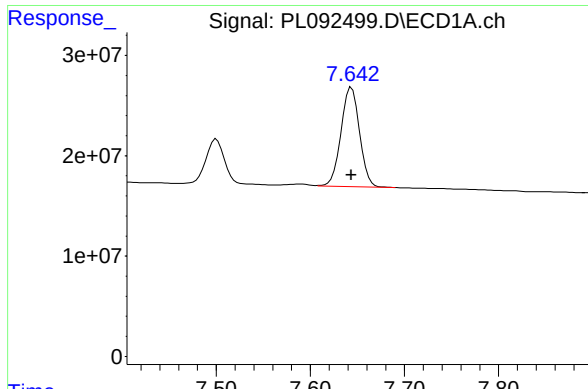
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 60721357
Conc: 50.00 ng/ml



#20 Methoxychlor

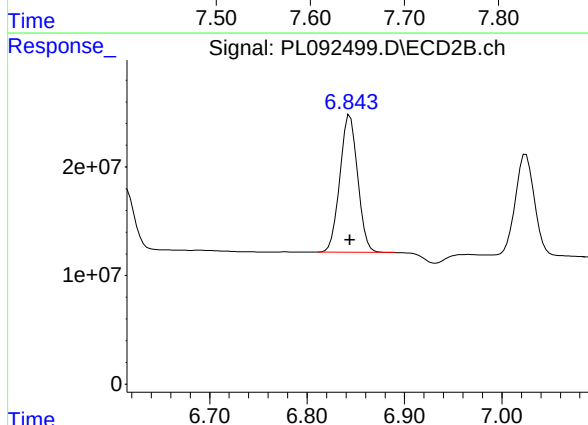
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 69939679
Conc: 50.00 ng/ml



#21 Endrin ketone

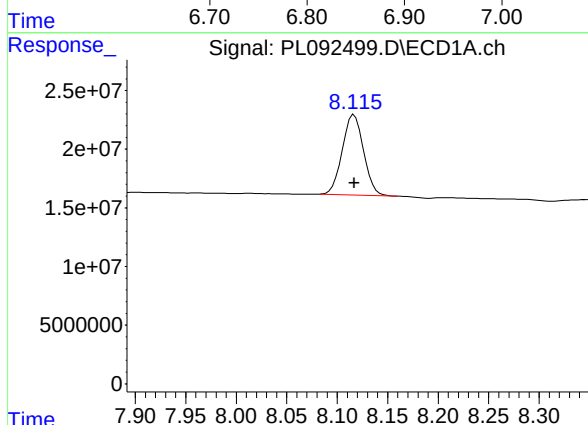
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 135170170
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



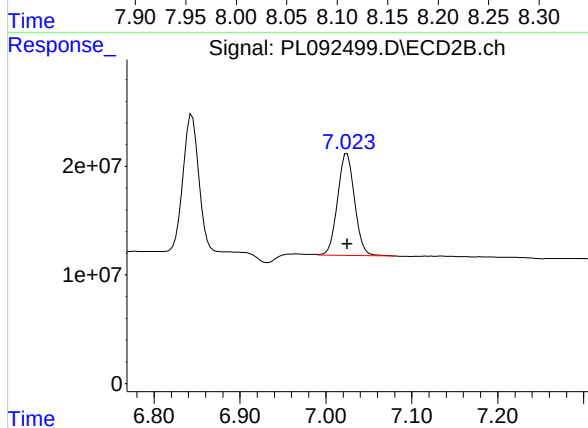
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 160159380
Conc: 50.00 ng/ml



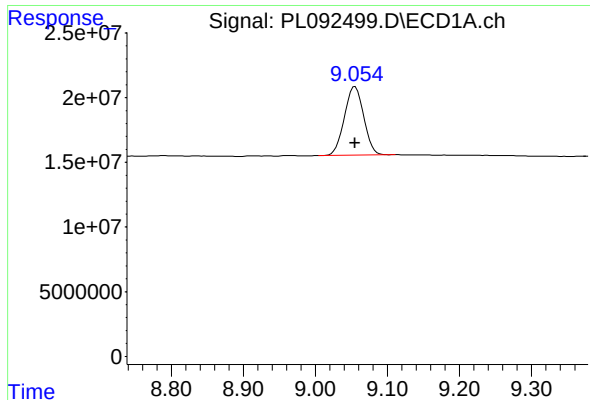
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 100438822
Conc: 50.00 ng/ml



#22 Mirex

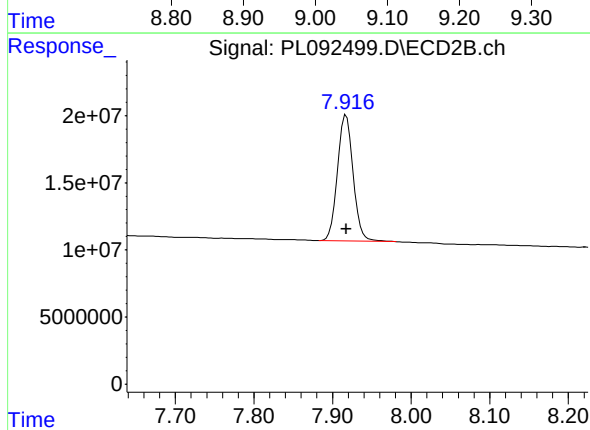
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 128566802
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 98423153
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 129949254
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:40
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.777	68118335	68780524	26.194	25.239
28) SA Decachlor...	9.054	7.918	51792555	66016291	26.406	25.683
Target Compounds						
2) A alpha-BHC	3.994	3.279	103.2E6	105.2E6	25.976	24.748
3) MA gamma-BHC...	4.327	3.610	95920780	103.1E6	25.729	25.163
4) MA Heptachlor	4.915	3.949	89243509	99586114	26.299	25.303
5) MB Aldrin	5.257	4.229	92637464	97702837	26.487	25.053
6) B beta-BHC	4.524	3.909	39560577	42714991	26.108	25.668
7) B delta-BHC	4.772	4.138	97230519	103.1E6	26.641	25.112
8) B Heptachlo...	5.681	4.731	86081083	87550832	27.012m	25.383
9) A Endosulfan I	6.069	5.101	76550593	79941848	26.524	25.346
10) B gamma-Chl...	5.939	4.981	82993598	91040758	26.544	25.397
11) B alpha-Chl...	6.019	5.045	82308591	88770222	26.641	25.447
12) B 4,4'-DDE	6.192	5.234	75852177	85661790	26.335	25.256
13) MA Dieldrin	6.344	5.366	82034280	90315967	26.345	25.396
14) MA Endrin	6.573	5.641	73113547	84108553	26.917	26.261
15) B Endosulfa...	6.793	5.936	74016105	76758144	27.191	25.611
16) A 4,4'-DDD	6.709	5.789	60938554	69362212	26.202	25.353
17) MA 4,4'-DDT	7.023	6.040	62765526	71884082	25.948	24.970
18) B Endrin al...	6.924	6.115	54694070	60931481	26.444	25.737
19) B Endosulfa...	7.158	6.339	63654622	71493054	26.439	25.530
20) A Methoxychlor	7.500	6.616	29638609	35224346	25.188	25.287
21) B Endrin ke...	7.643	6.844	69957864	80540360	26.225	25.402
22) Mirex	8.116	7.025	52067275	65757273	26.287	25.705

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:40
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

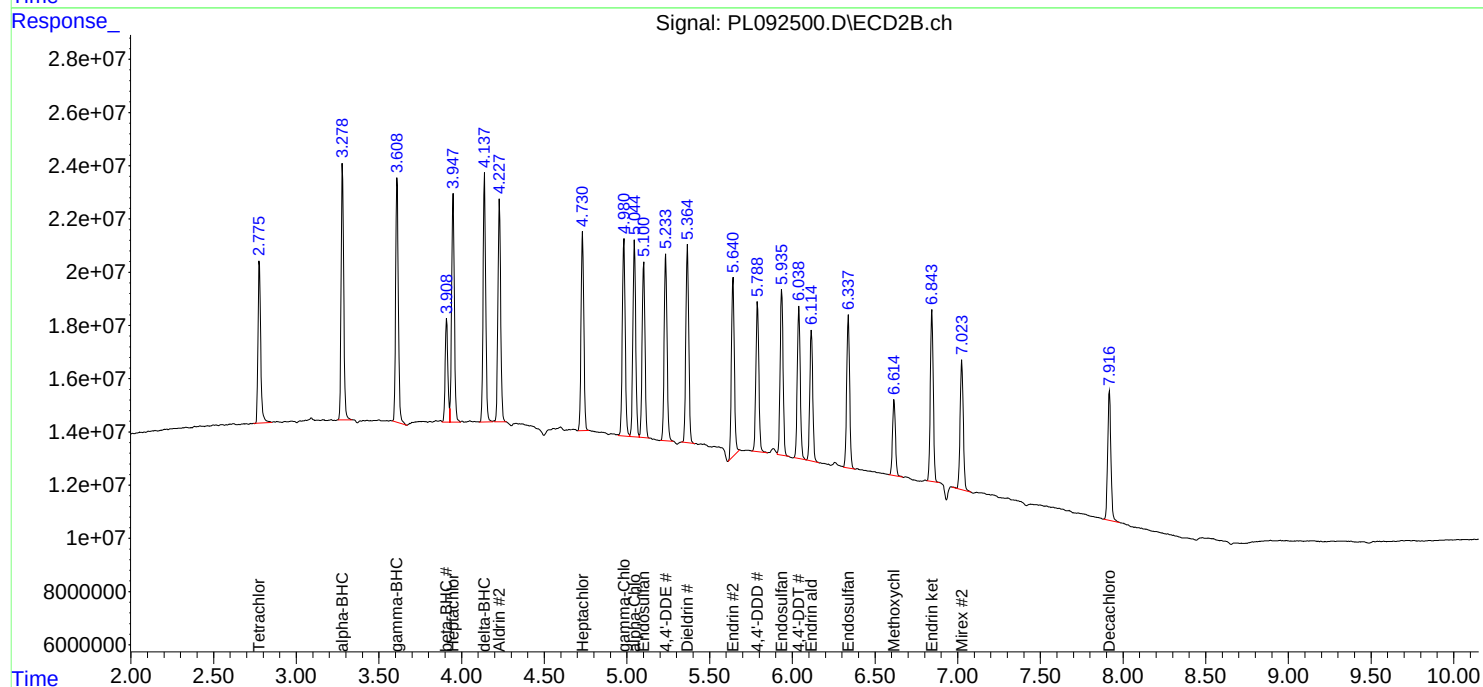
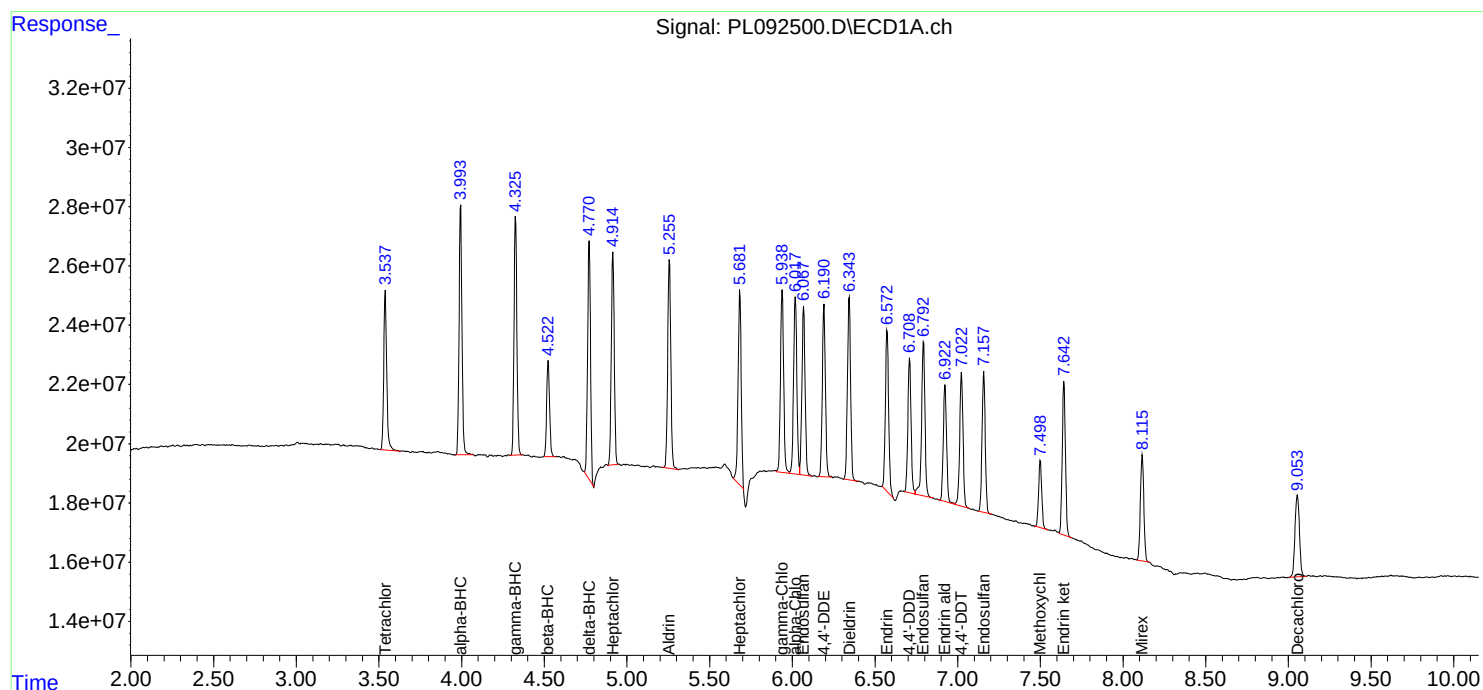
APPROVED

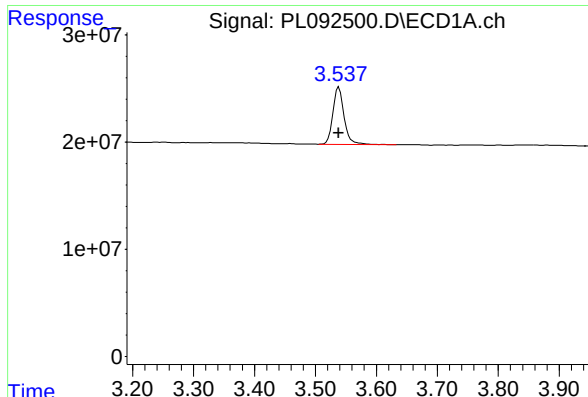
Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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





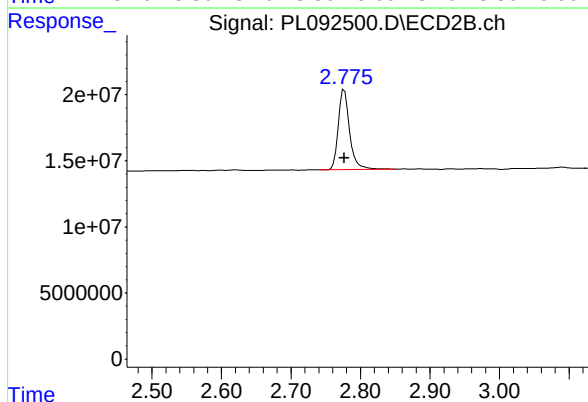
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 68118335
Conc: 26.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

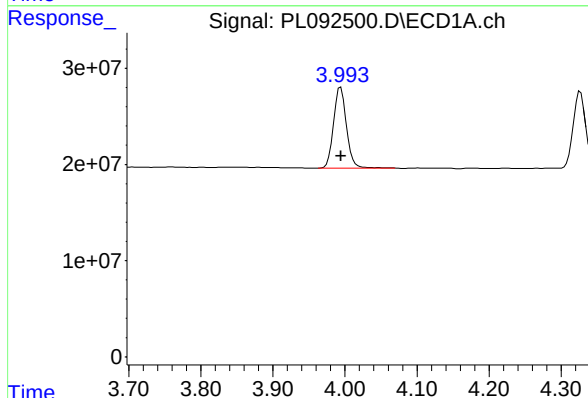
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



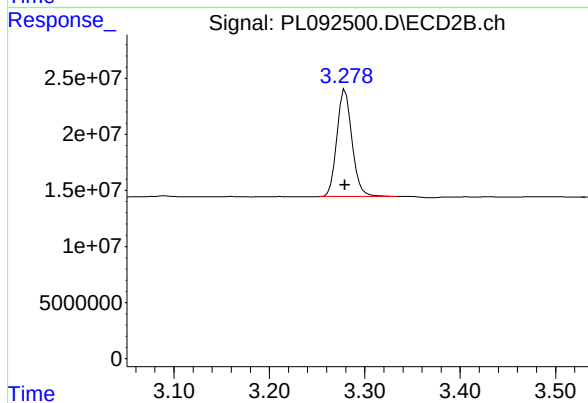
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 68780524
Conc: 25.24 ng/ml



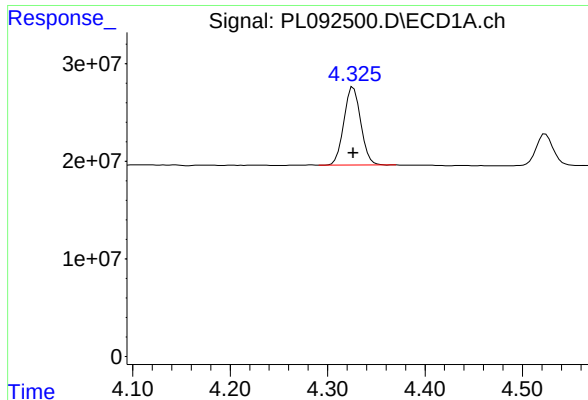
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 103228695
Conc: 25.98 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: 0.000 min
Response: 105165171
Conc: 24.75 ng/ml



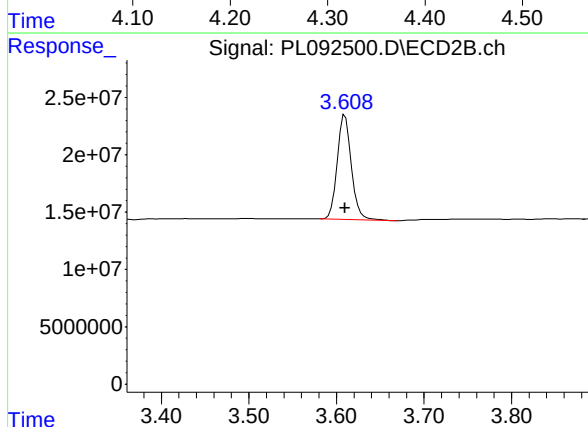
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 95920780
Conc: 25.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

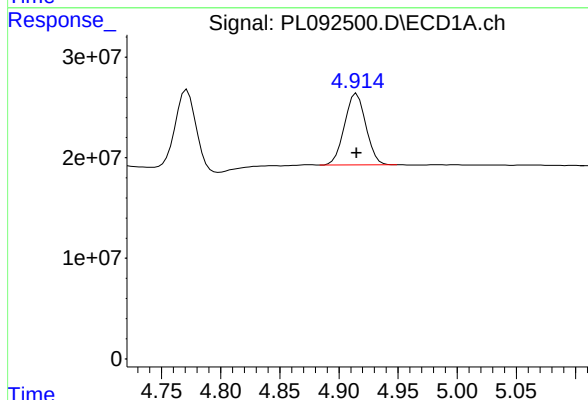
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



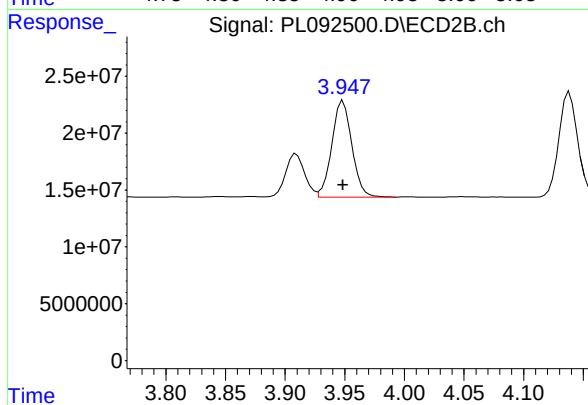
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 103065460
Conc: 25.16 ng/ml



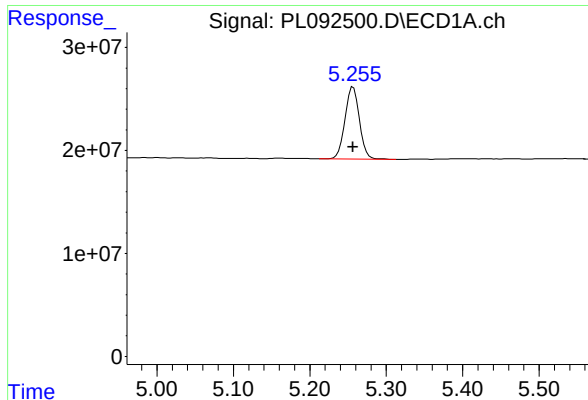
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 89243509
Conc: 26.30 ng/ml



#4 Heptachlor

R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 99586114
Conc: 25.30 ng/ml



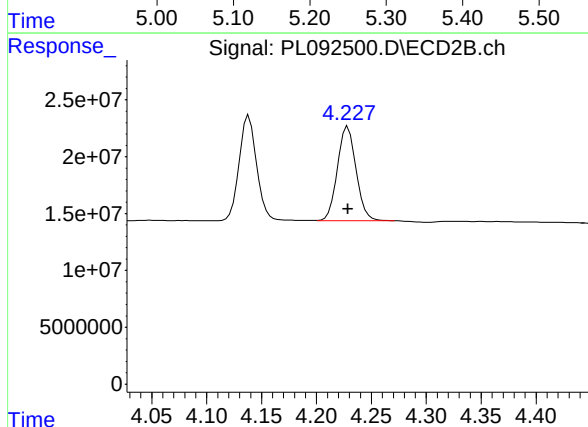
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 92637464
Conc: 26.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

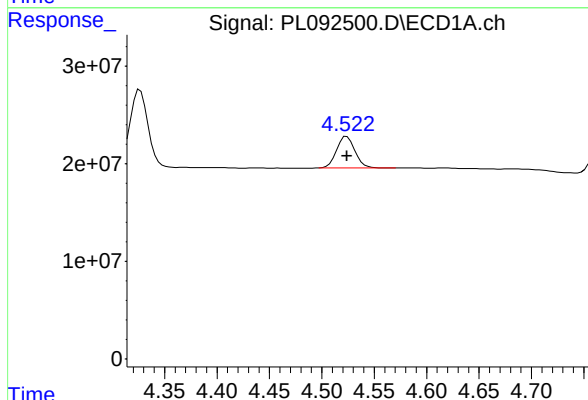
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



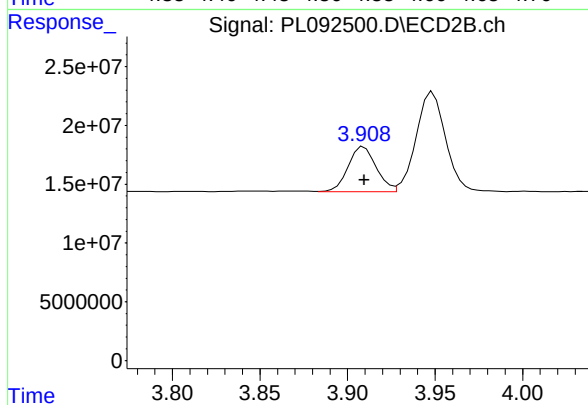
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 97702837
Conc: 25.05 ng/ml



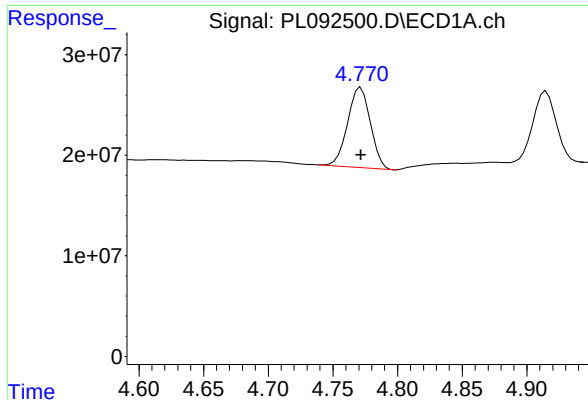
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 39560577
Conc: 26.11 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 42714991
Conc: 25.67 ng/ml



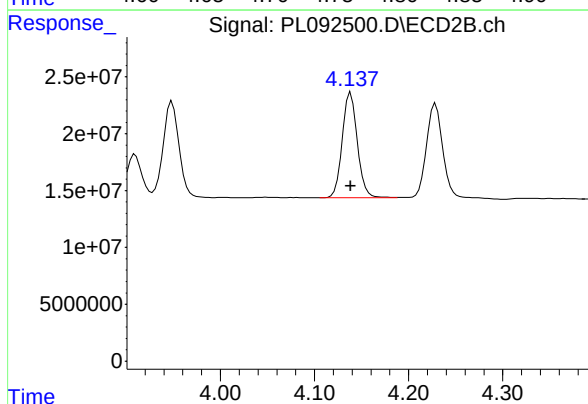
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 97230519
Conc: 26.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

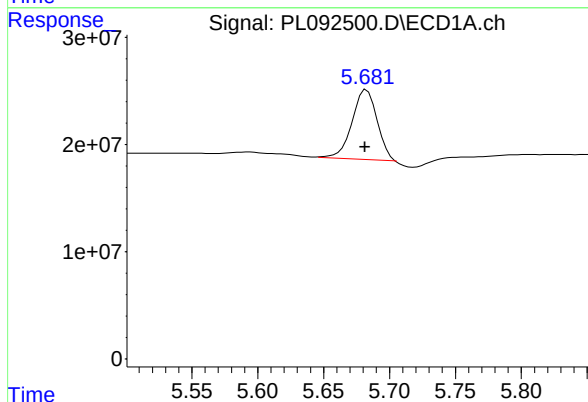
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



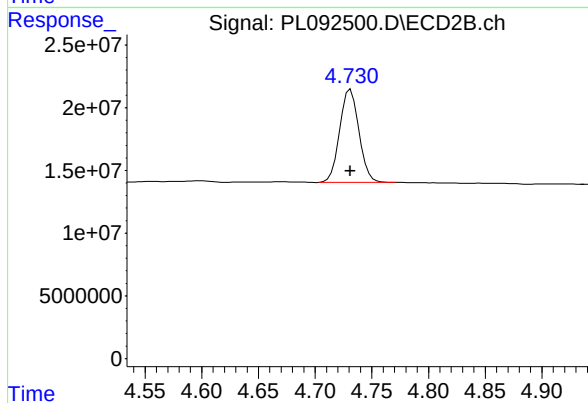
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 103066435
Conc: 25.11 ng/ml



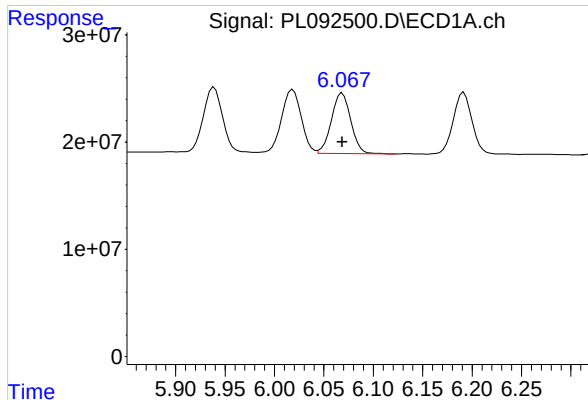
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 86081083
Conc: 27.01 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 87550832
Conc: 25.38 ng/ml



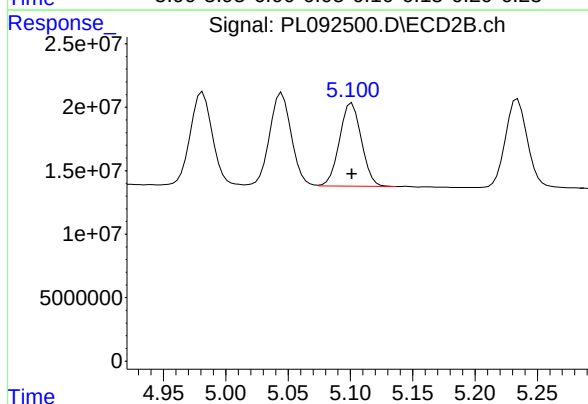
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 76550593
Conc: 26.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

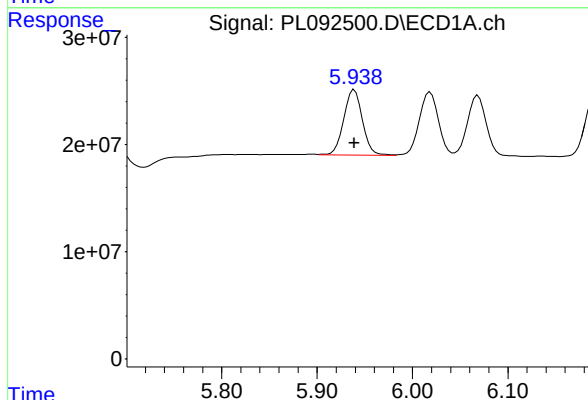
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



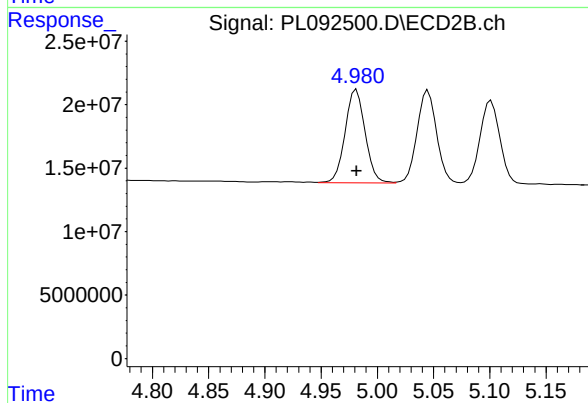
#9 Endosulfan I

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 79941848
Conc: 25.35 ng/ml



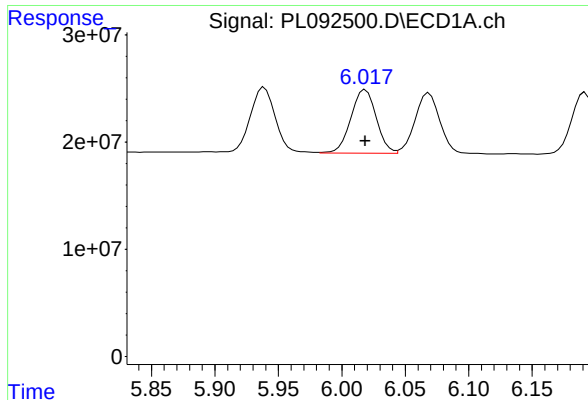
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 82993598
Conc: 26.54 ng/ml



#10 gamma-Chlordane

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 91040758
Conc: 25.40 ng/ml



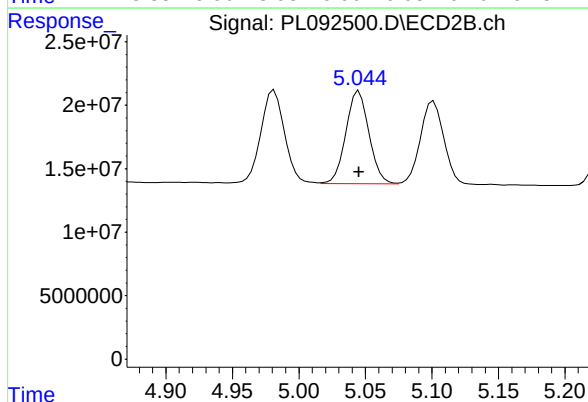
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 82308591
Conc: 26.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

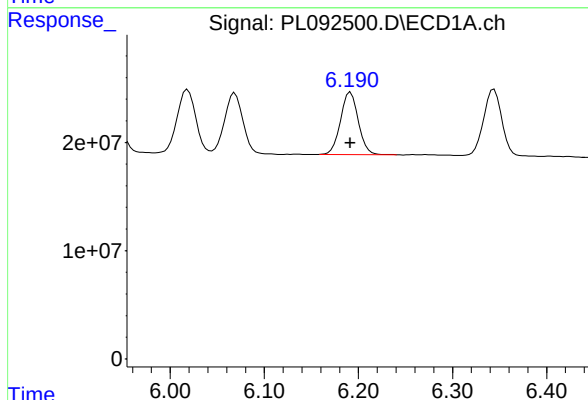
Manual Integrations
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Supervised By :Ankita Jodhani 10/22/2024



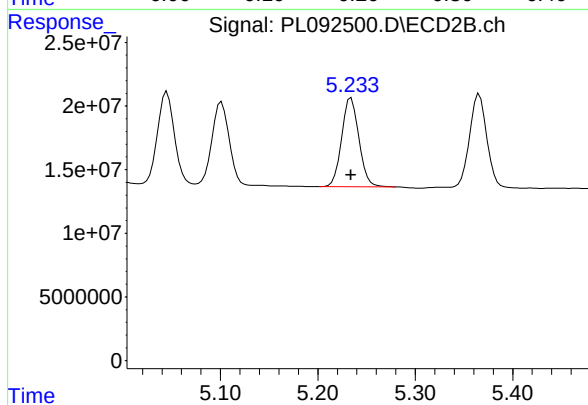
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 88770222
Conc: 25.45 ng/ml



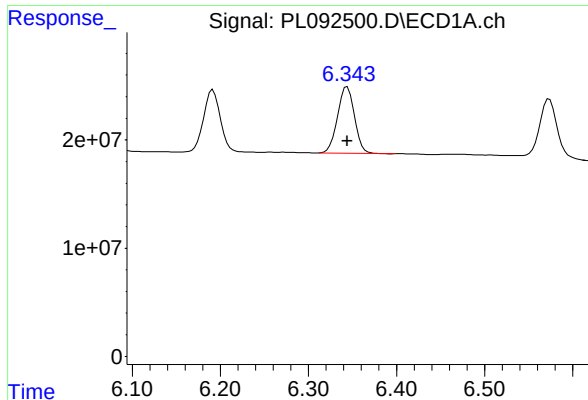
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 75852177
Conc: 26.34 ng/ml



#12 4,4'-DDE

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 85661790
Conc: 25.26 ng/ml



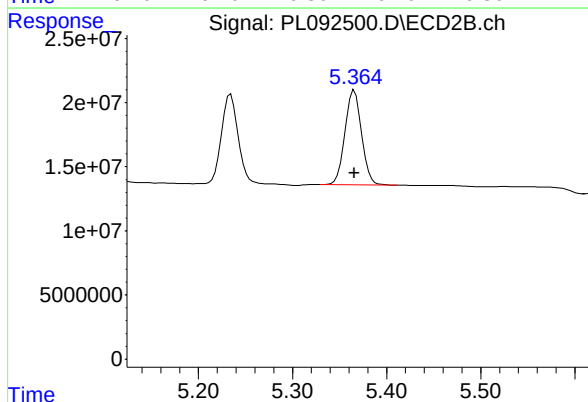
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 82034280
Conc: 26.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

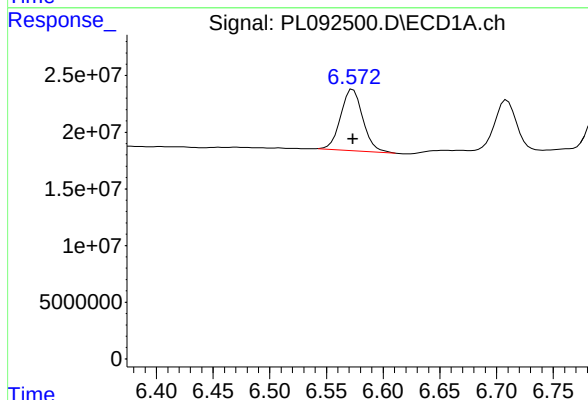
Manual Integrations
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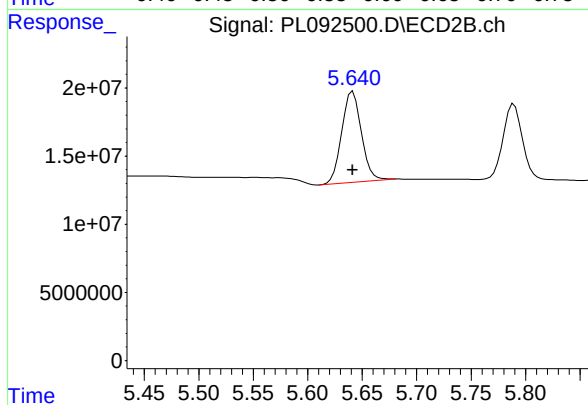
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 90315967
Conc: 25.40 ng/ml



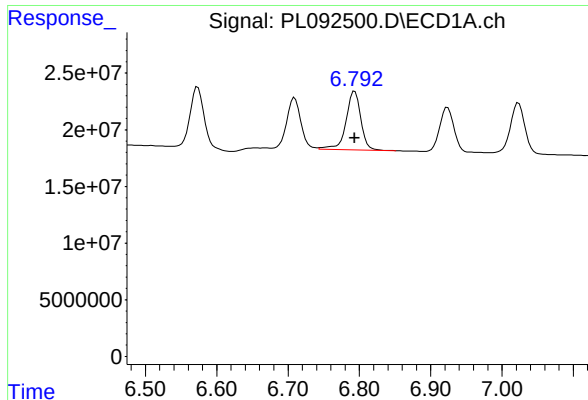
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 73113547
Conc: 26.92 ng/ml



#14 Endrin

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 84108553
Conc: 26.26 ng/ml



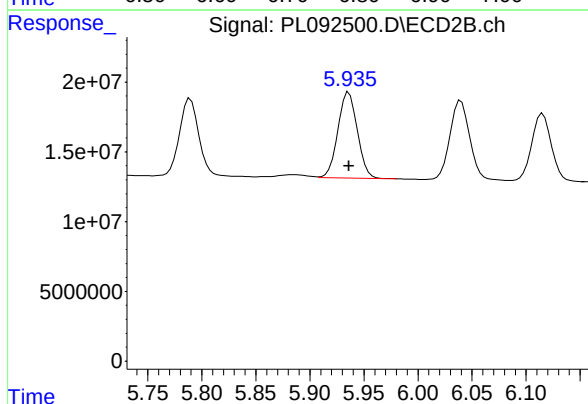
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 74016105
Conc: 27.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

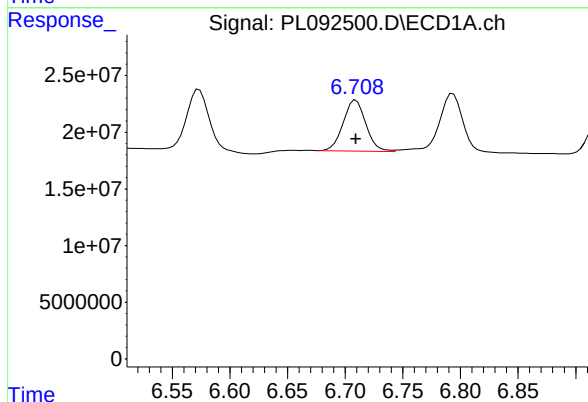
Manual Integrations
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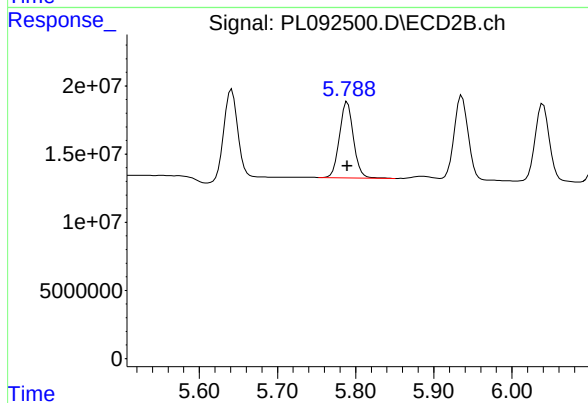
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 76758144
Conc: 25.61 ng/ml



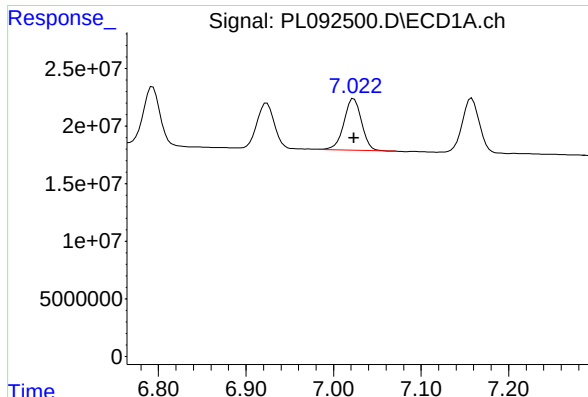
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 60938554
Conc: 26.20 ng/ml



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 69362212
Conc: 25.35 ng/ml



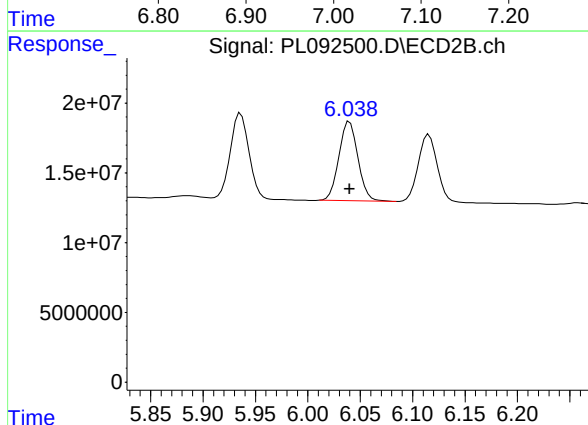
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 62765526
Conc: 25.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

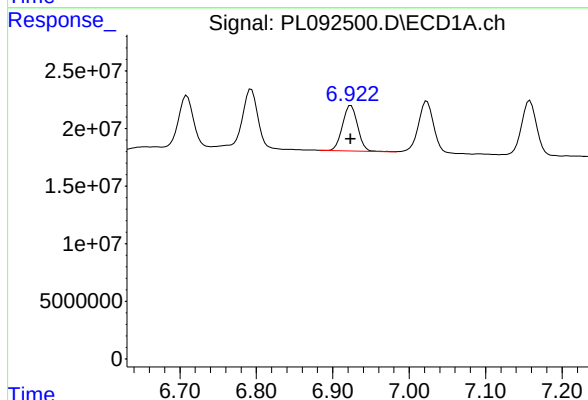
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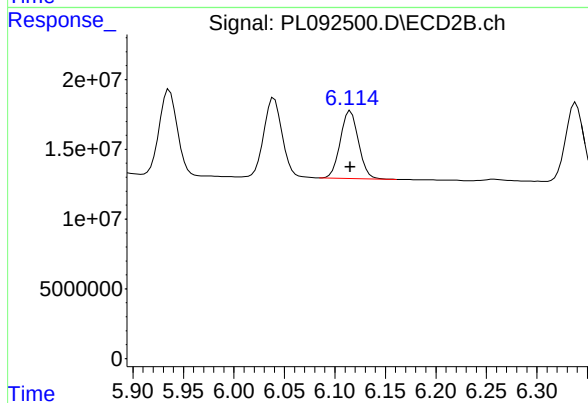
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 71884082
Conc: 24.97 ng/ml



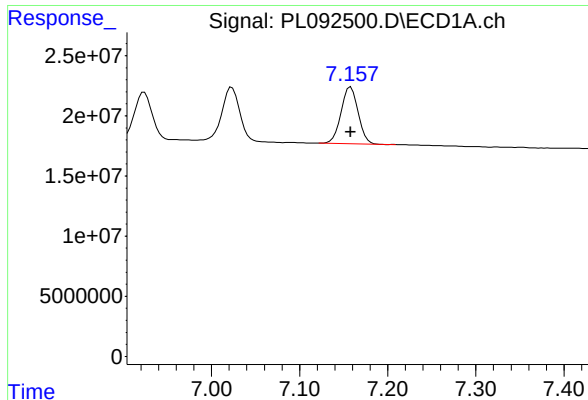
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 54694070
Conc: 26.44 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 60931481
Conc: 25.74 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 63654622
Conc: 26.44 ng/ml

Instrument :

ECD_L

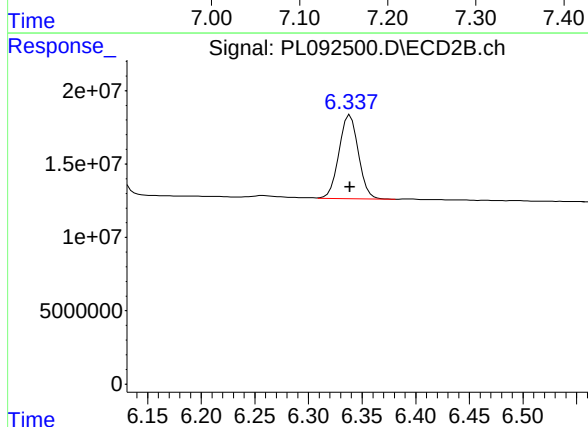
ClientSampleId :

PSTDICC025

Manual Integrations

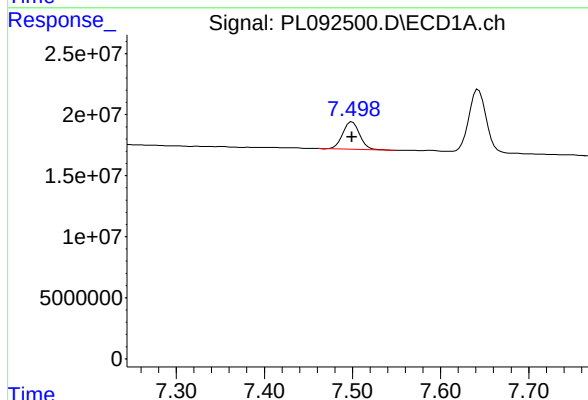
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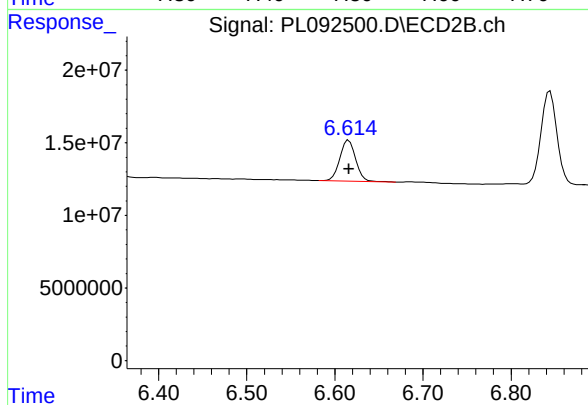
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 71493054
Conc: 25.53 ng/ml



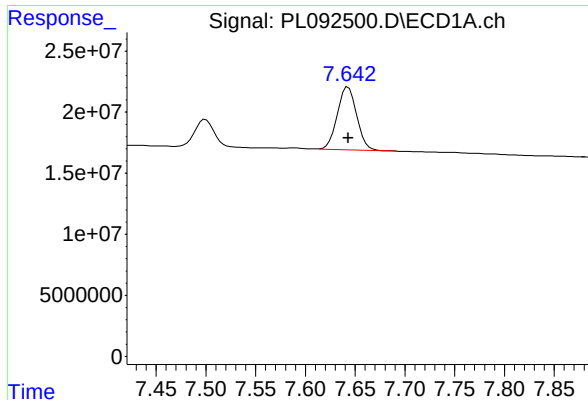
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 29638609
Conc: 25.19 ng/ml



#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 35224346
Conc: 25.29 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 69957864
Conc: 26.22 ng/ml

Instrument :

ECD_L

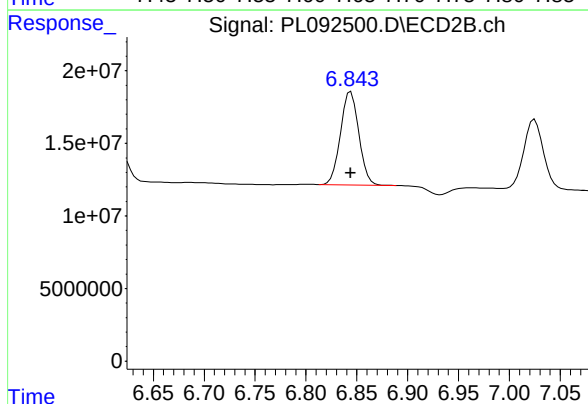
ClientSampleId :

PSTDICC025

Manual Integrations

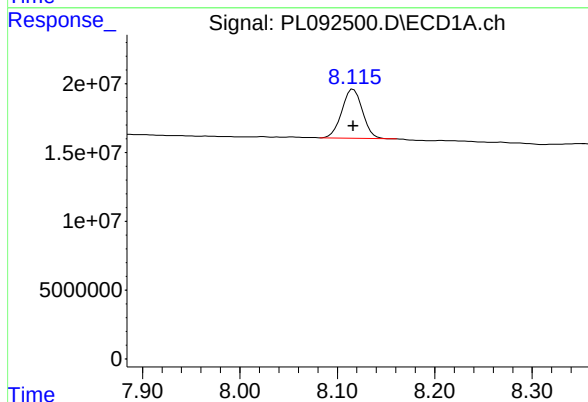
APPROVED

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Supervised By :Ankita Jodhani 10/22/2024



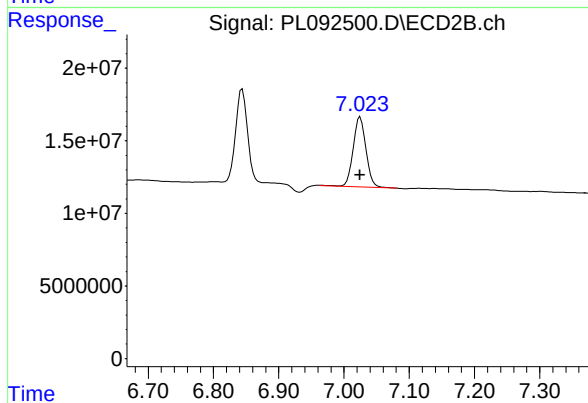
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 80540360
Conc: 25.40 ng/ml



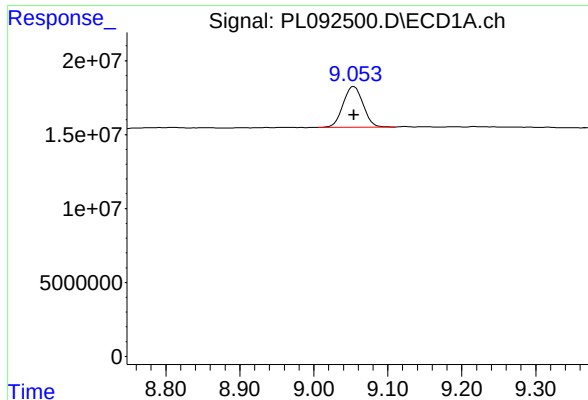
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 52067275
Conc: 26.29 ng/ml



#22 Mirex

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 65757273
Conc: 25.71 ng/ml



#28 Decachlorobiphenyl

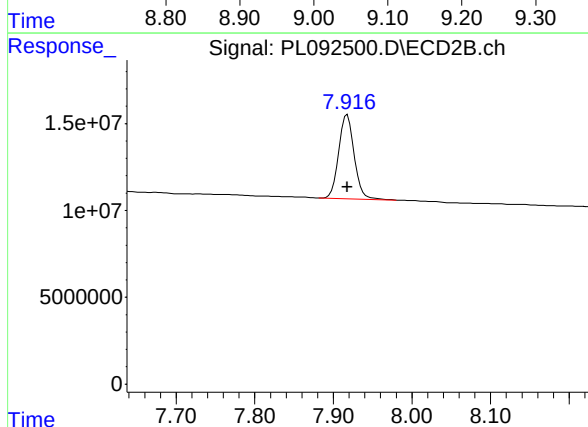
ICAL Form

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 51792555
Conc: 26.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :Ankita Jodhani 10/22/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 66016291
Conc: 25.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:53
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

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Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:56:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.777	15335992	14932294	5.693	5.376
28) SA Decachlor...	9.055	7.917	11550271	14466094	5.687	5.490
Target Compounds						
2) A alpha-BHC	3.994	3.279	23550744	22887068	5.714	5.304
3) MA gamma-BHC...	4.327	3.608	21606418	21031469	5.617	5.109m
4) MA Heptachlor	4.915	3.949	20774980	21679948	5.859	5.399
5) MB Aldrin	5.257	4.229	22016168	21390638	5.985	5.381
6) B beta-BHC	4.524	3.910	8503225	10365713	5.478	6.051
7) B delta-BHC	4.770	4.138	21057553	23069655	5.607m	5.485
8) B Heptachlo...	5.681	4.731	19333656	19103727	5.726m	5.422
9) A Endosulfan I	6.068	5.101	17762124	16494921	5.890m	5.182
10) B gamma-Chl...	5.938	4.981	19891738	20286229	5.932m	5.514
11) B alpha-Chl...	6.018	5.045	19619382	19083753	6.057m	5.370
12) B 4,4'-DDE	6.192	5.234	16543069	19099515	5.578	5.493
13) MA Dieldrin	6.345	5.366	19021023	20231934	5.849	5.536
14) MA Endrin	6.573	5.640	16268738	17816138	5.657m	5.500m
15) B Endosulfa...	6.793	5.936	16303950	18213587	5.824m	5.826
16) A 4,4'-DDD	6.710	5.790	13884139	14737552	5.747	5.305
17) MA 4,4'-DDT	7.024	6.040	13272514	15846372	5.382	5.396
18) B Endrin al...	6.925	6.115	12036224	14063730	5.635	5.725
19) B Endosulfa...	7.159	6.338	15014816	17898623	5.943	6.054
20) A Methoxychlor	7.500	6.616	5909263	7587013	5.018	5.351
21) B Endrin ke...	7.643	6.845	15393343	16891730	5.638m	5.259
22) Mirex	8.117	7.024	12550862	14175105	6.015	5.406m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:53
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

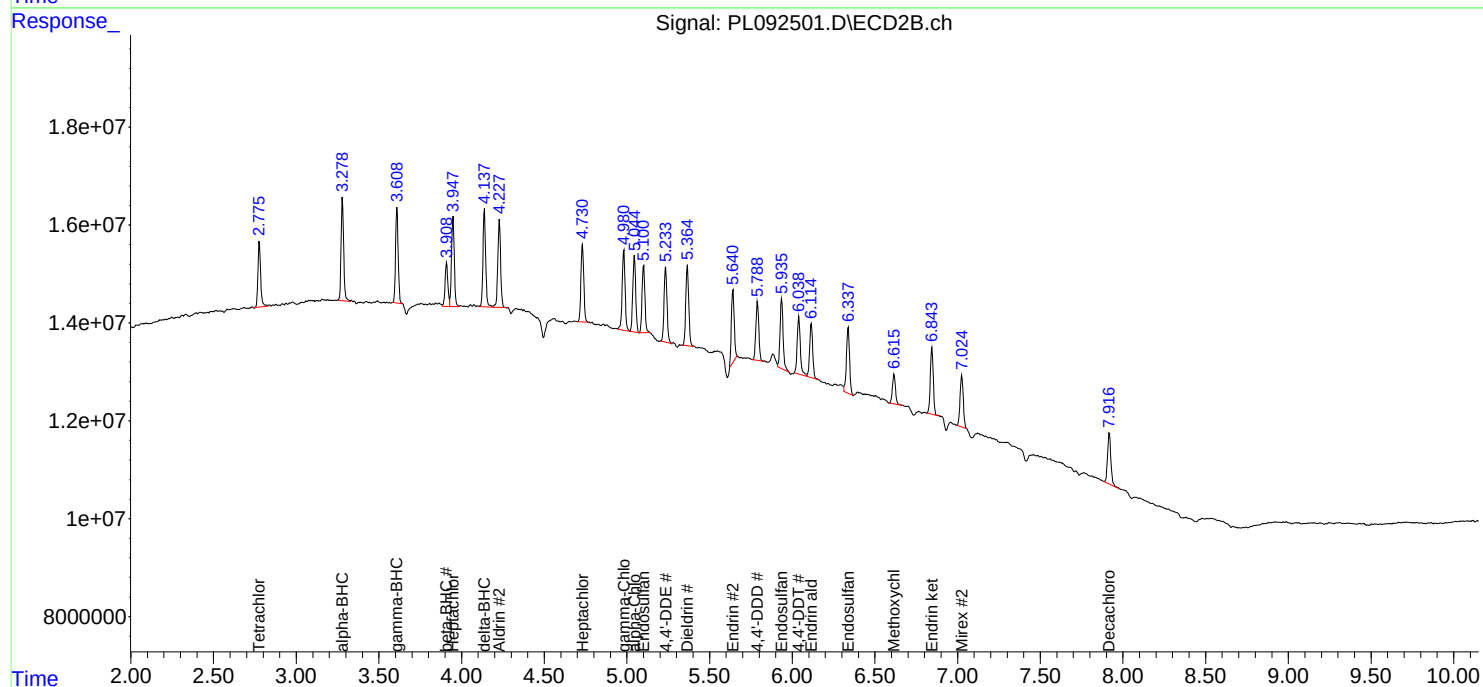
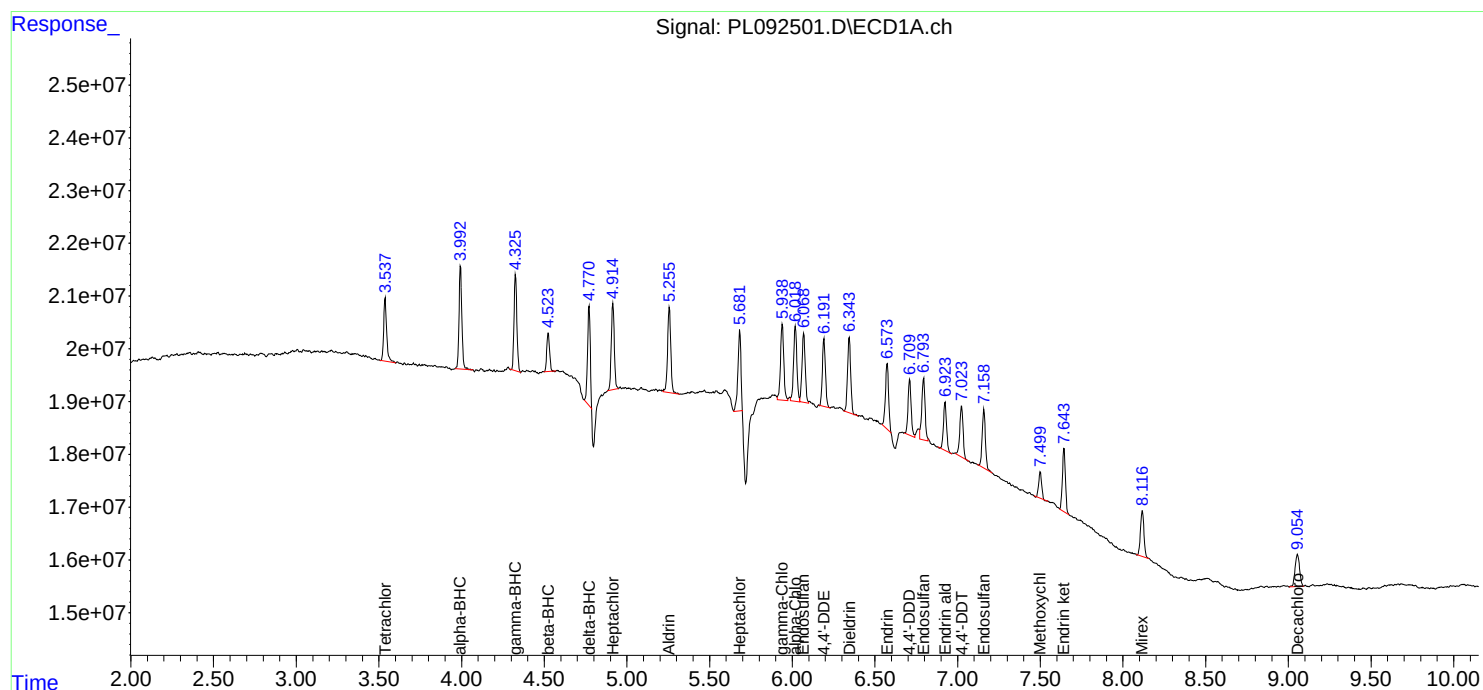
APPROVED

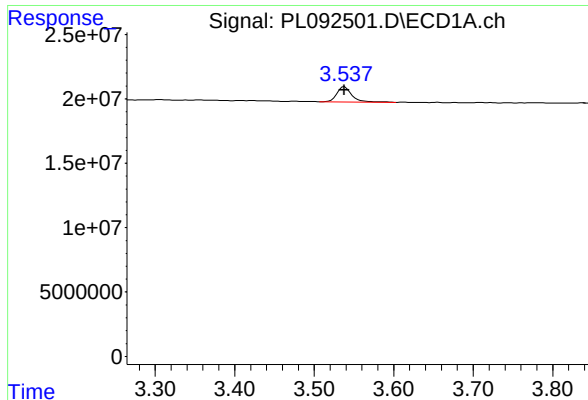
Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:56:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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





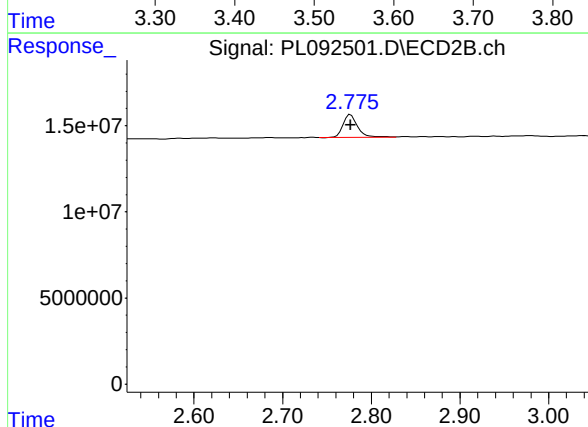
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 15335992
Conc: 5.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

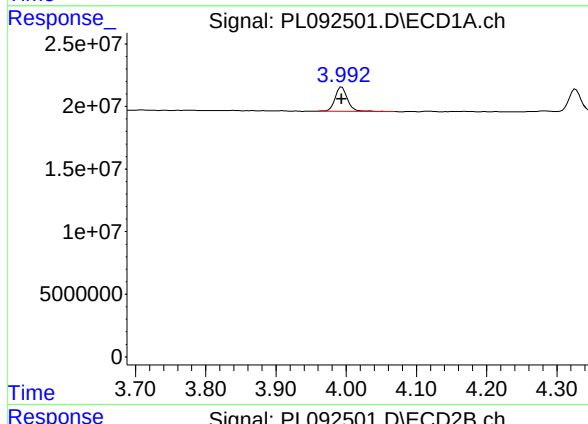
Manual Integrations
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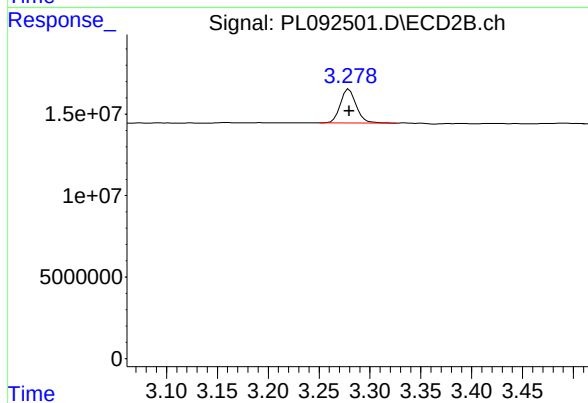
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 14932294
Conc: 5.38 ng/ml



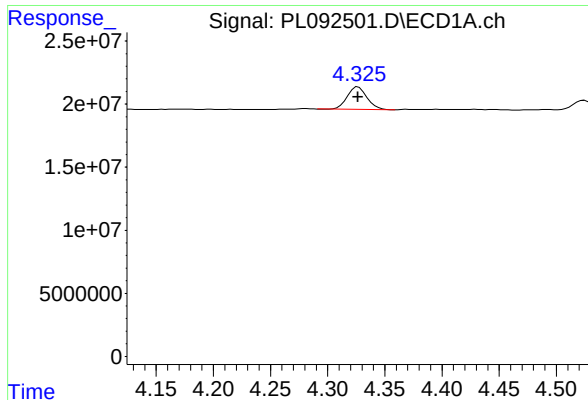
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 23550744
Conc: 5.71 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: 0.000 min
Response: 22887068
Conc: 5.30 ng/ml



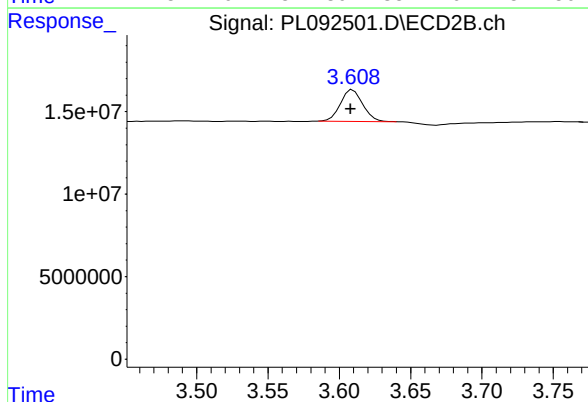
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 21606418
Conc: 5.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

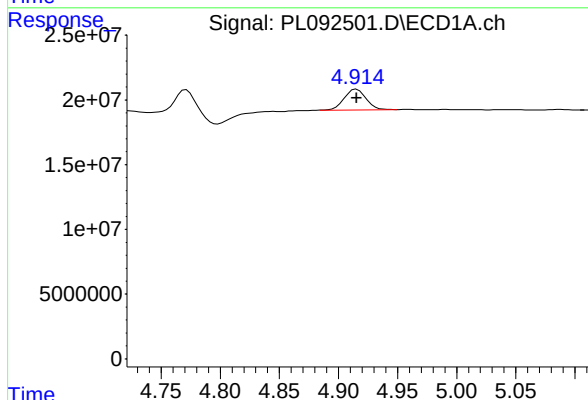
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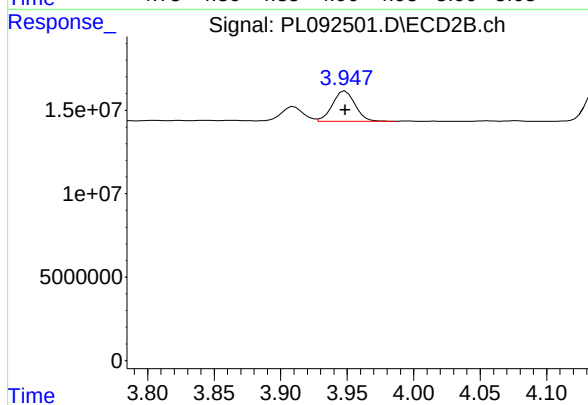
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.000 min
Response: 21031469
Conc: 5.11 ng/ml



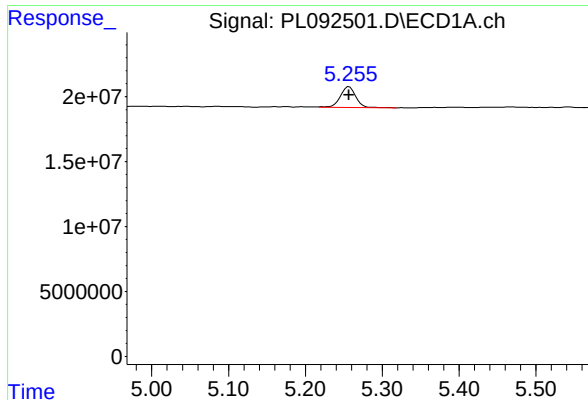
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 20774980
Conc: 5.86 ng/ml



#4 Heptachlor

R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 21679948
Conc: 5.40 ng/ml



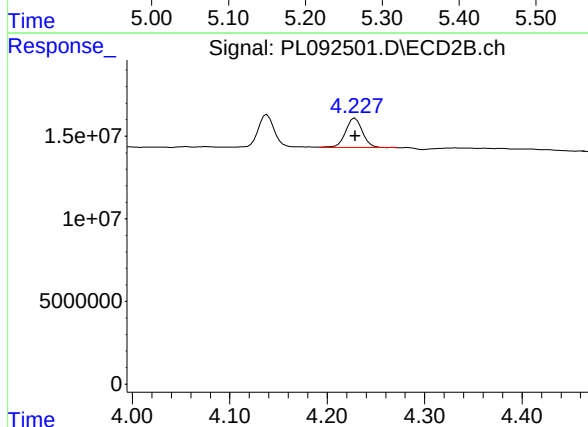
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 22016168
Conc: 5.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

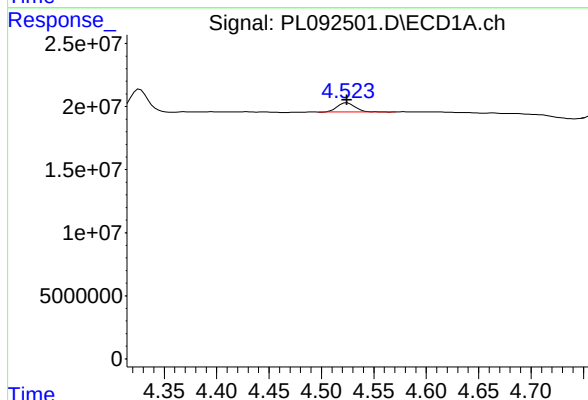
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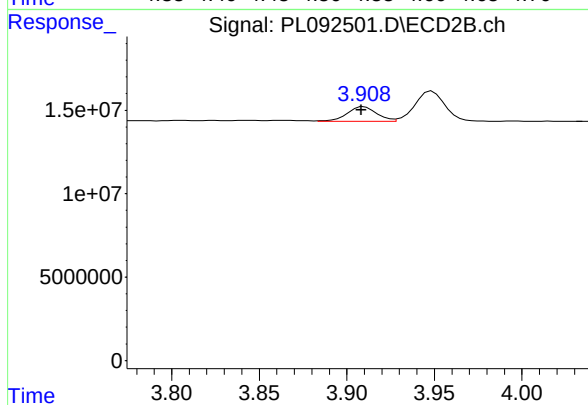
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 21390638
Conc: 5.38 ng/ml



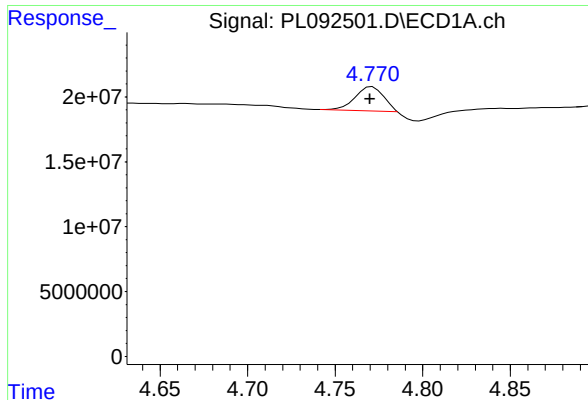
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 8503225
Conc: 5.48 ng/ml



#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.002 min
Response: 10365713
Conc: 6.05 ng/ml



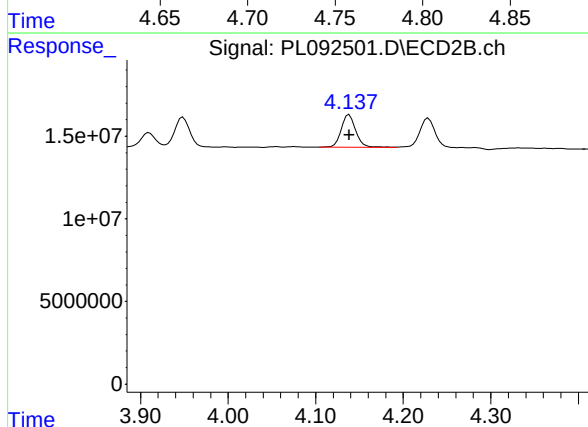
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 21057553
Conc: 5.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

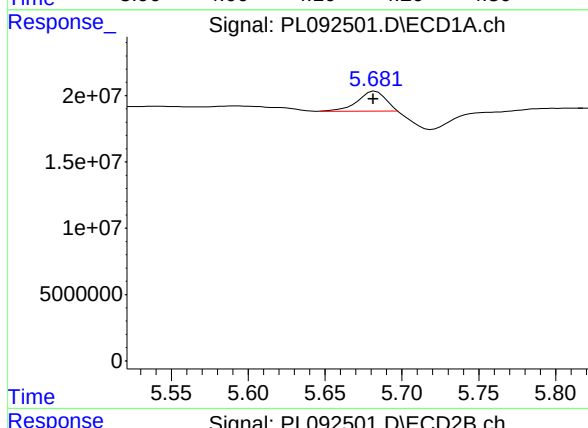
Manual Integrations
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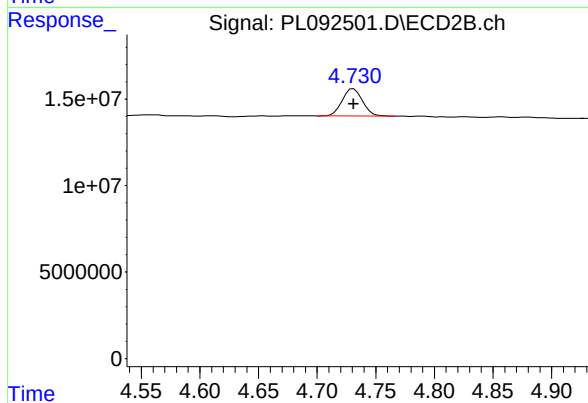
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 23069655
Conc: 5.48 ng/ml



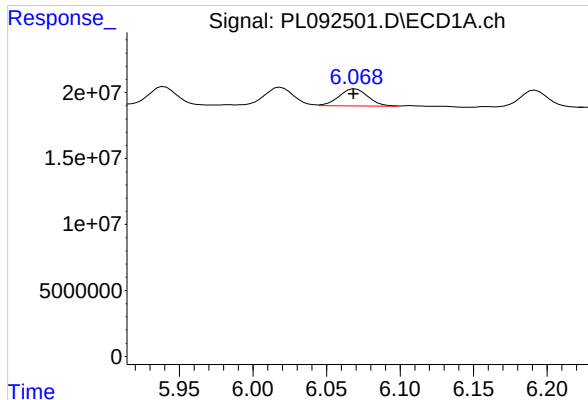
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 19333656
Conc: 5.73 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 19103727
Conc: 5.42 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17762124
Conc: 5.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
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#9 Endosulfan I

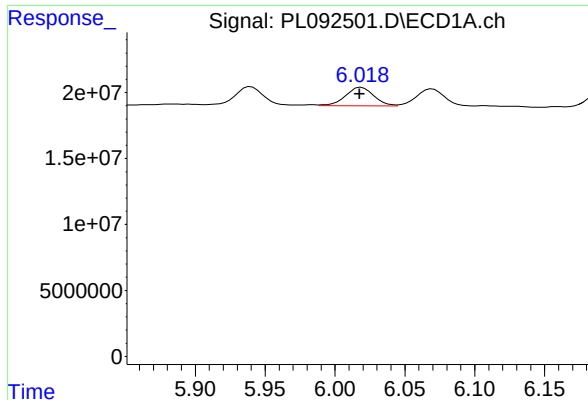
R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 16494921
Conc: 5.18 ng/ml

#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 19891738
Conc: 5.93 ng/ml m

#10 gamma-Chlordane

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 20286229
Conc: 5.51 ng/ml



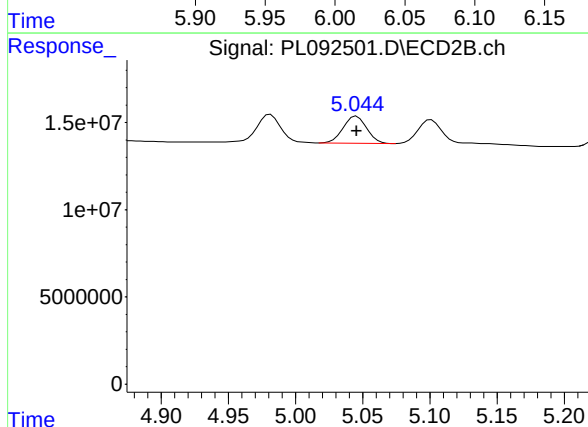
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 19619382
Conc: 6.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

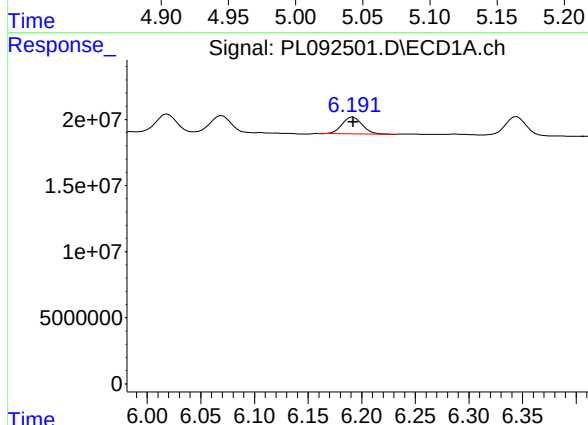
Manual Integrations
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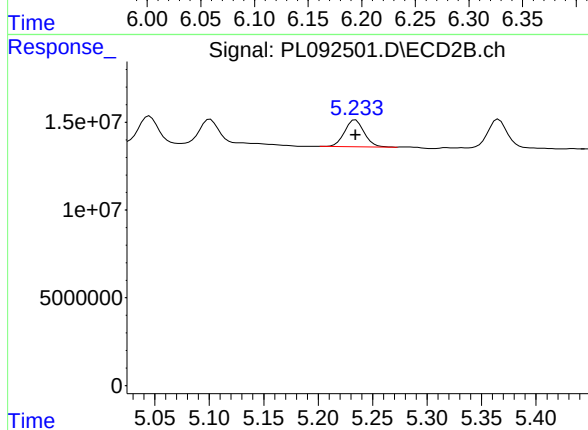
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 19083753
Conc: 5.37 ng/ml



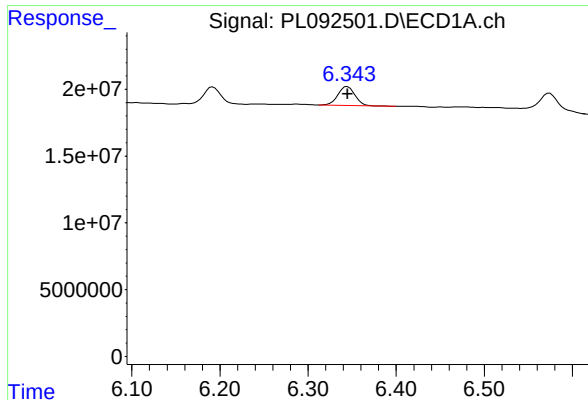
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 16543069
Conc: 5.58 ng/ml



#12 4,4'-DDE

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 19099515
Conc: 5.49 ng/ml



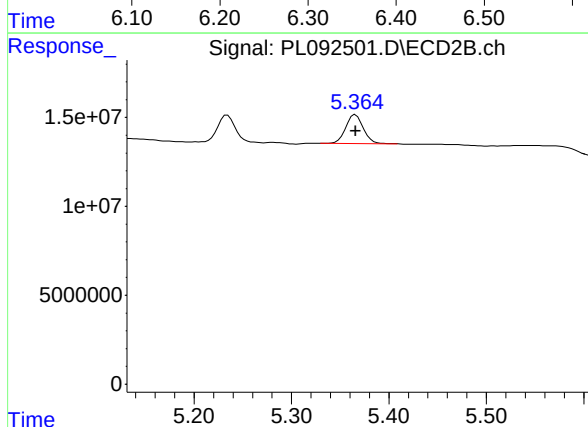
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 19021023
Conc: 5.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

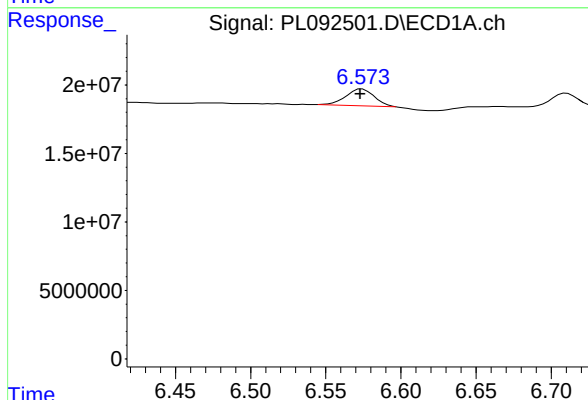
Manual Integrations
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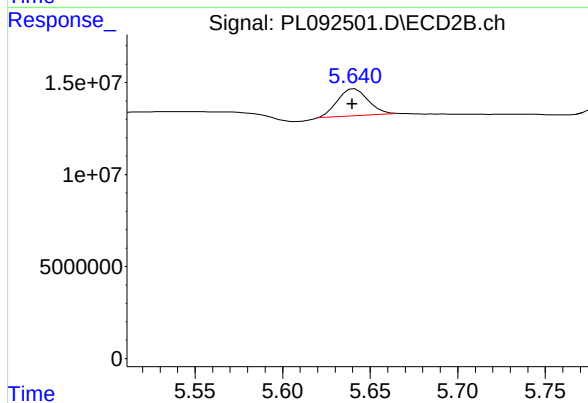
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 20231934
Conc: 5.54 ng/ml



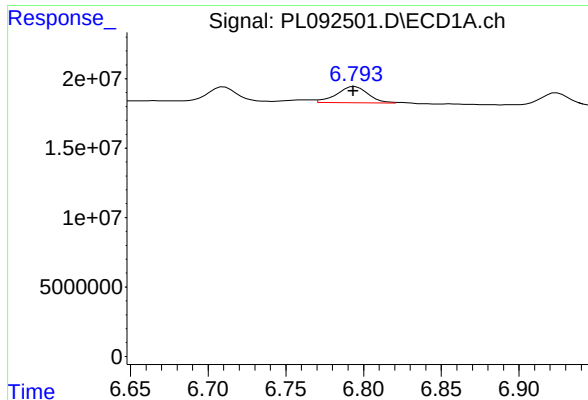
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 16268738
Conc: 5.66 ng/ml m



#14 Endrin

R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 17816138
Conc: 5.50 ng/ml m



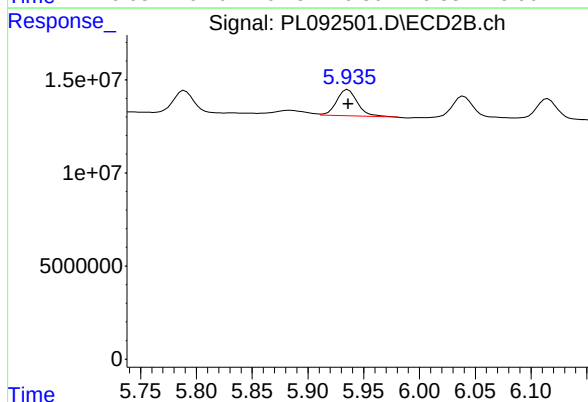
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 16303950
Conc: 5.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

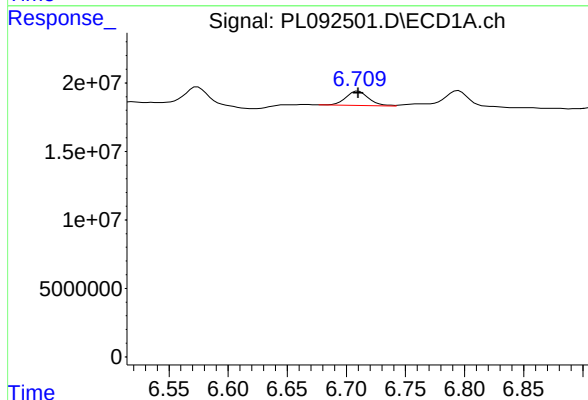
Manual Integrations
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Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



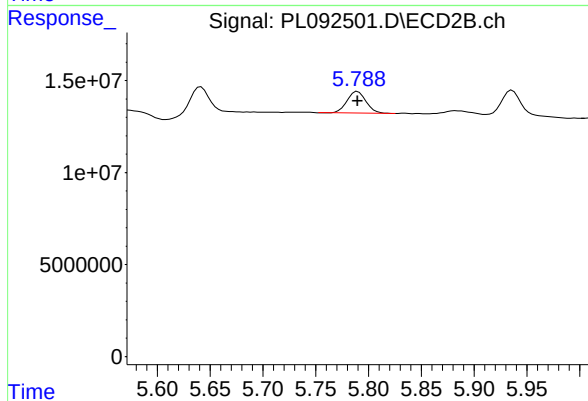
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 18213587
Conc: 5.83 ng/ml



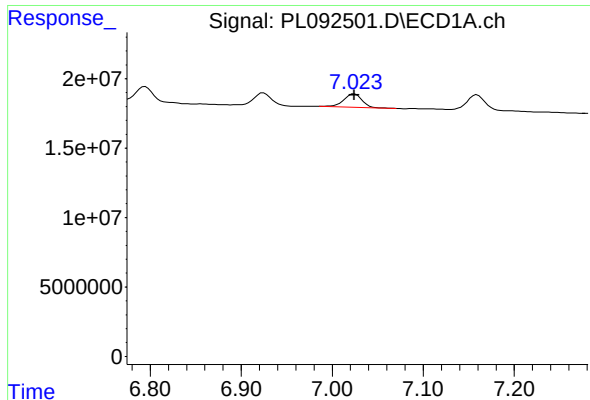
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 13884139
Conc: 5.75 ng/ml



#16 4,4'-DDD

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 14737552
Conc: 5.30 ng/ml



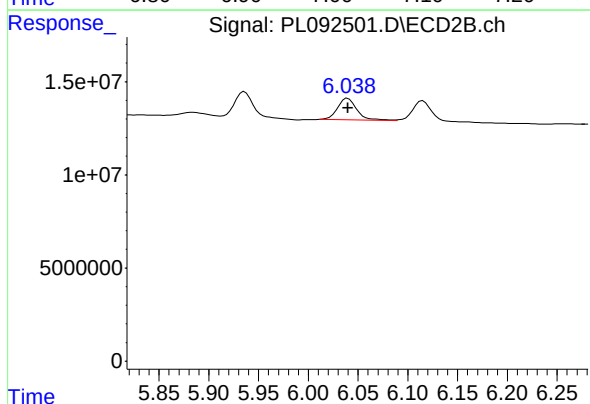
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 13272514
Conc: 5.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

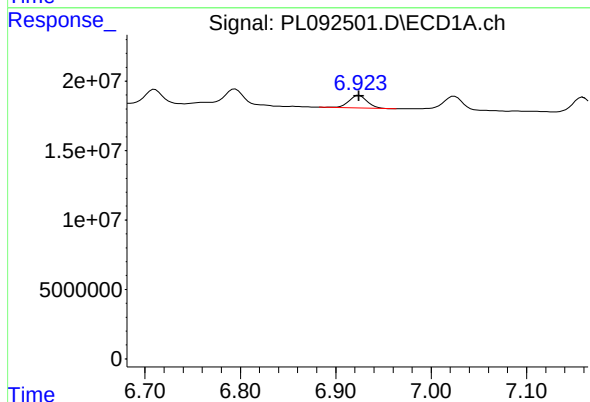
Manual Integrations
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Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



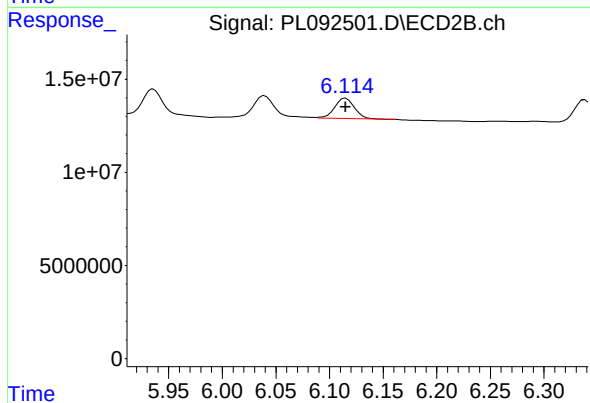
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 15846372
Conc: 5.40 ng/ml



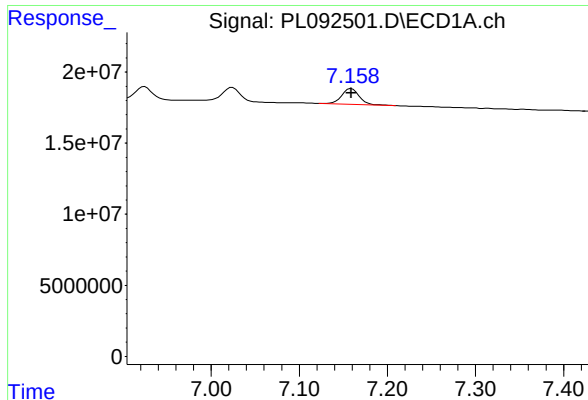
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 12036224
Conc: 5.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 14063730
Conc: 5.72 ng/ml



#19 Endosulfan Sulfate

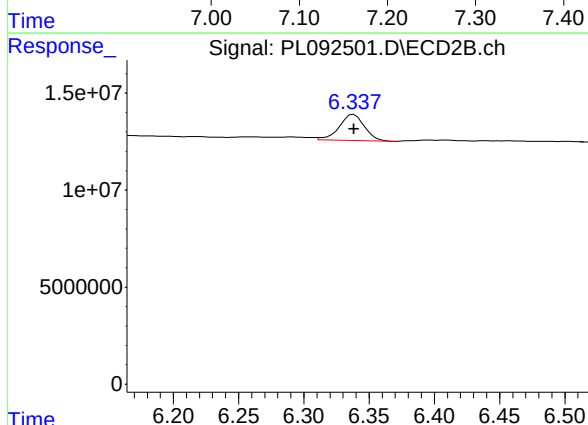
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 15014816
Conc: 5.94 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

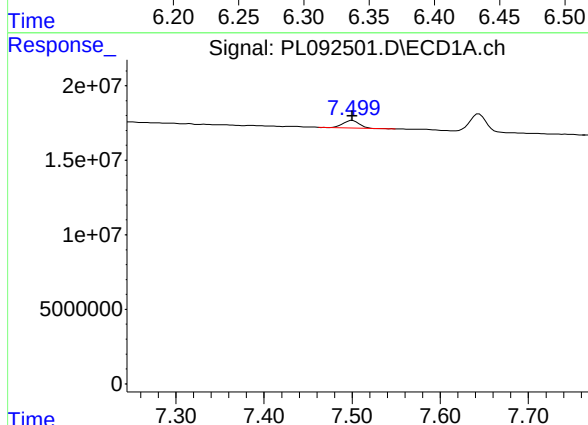
Manual Integrations
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Supervised By :Ankita Jodhani 10/22/2024



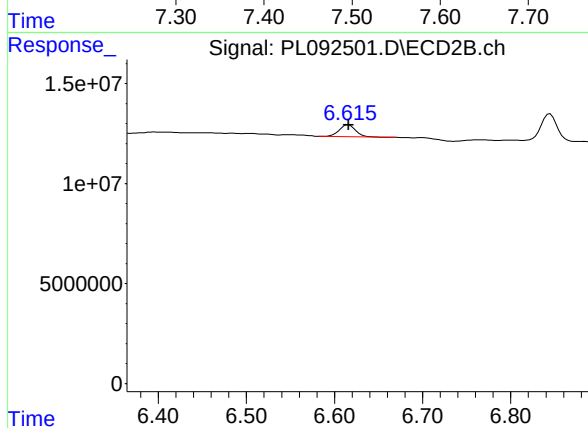
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 17898623
Conc: 6.05 ng/ml



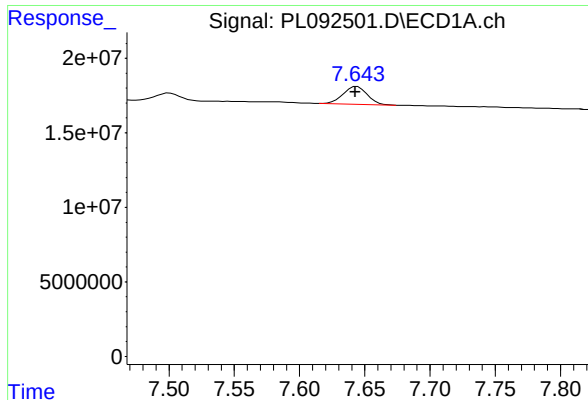
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 5909263
Conc: 5.02 ng/ml



#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 7587013
Conc: 5.35 ng/ml



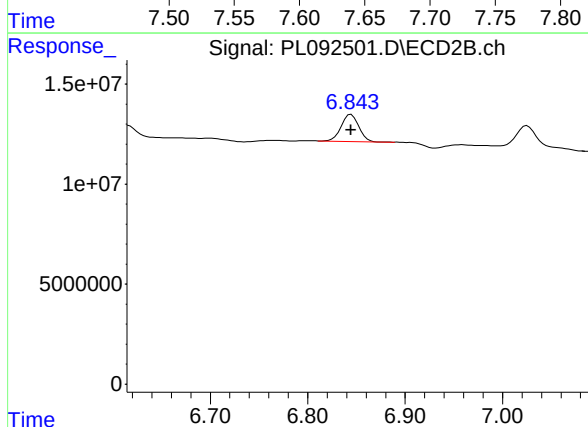
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 15393343
Conc: 5.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

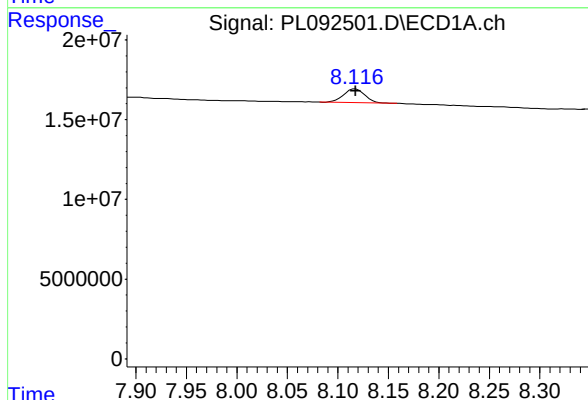
Manual Integrations
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Supervised By :Ankita Jodhani 10/22/2024



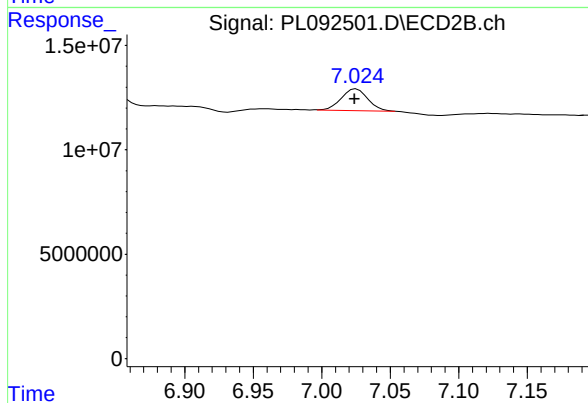
#21 Endrin ketone

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 16891730
Conc: 5.26 ng/ml



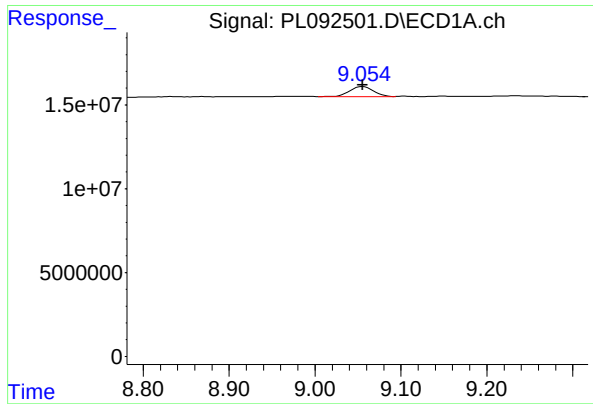
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 12550862
Conc: 6.01 ng/ml



#22 Mirex

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 14175105
Conc: 5.41 ng/ml m



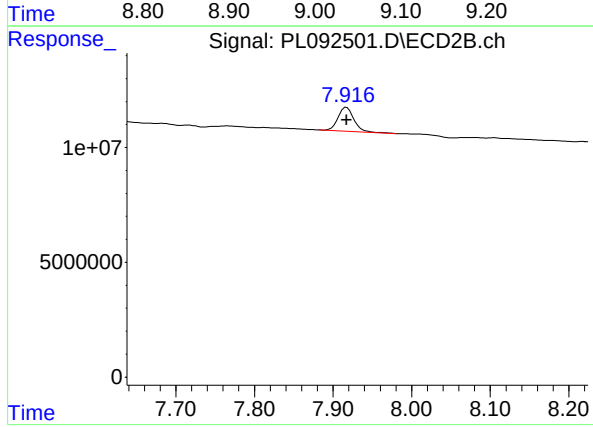
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 11550271
Conc: 5.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
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Supervised By :Ankita Jodhani 10/22/2024



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 14466094
Conc: 5.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:33
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: Oct 21 15:59:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 15:58:56 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.776	129.4E6	164.8E6	50.000	50.000
28) SA Decachlor...	9.056	7.918	97897038	132.4E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.775	65786710	58261206	500.000	500.000
24) Chlordane-2	5.231	4.352	66083445	71790067	500.000	500.000
25) Chlordane-3	5.941	4.982	231.5E6	192.3E6	500.000	500.000
26) Chlordane-4	6.023	5.045	277.1E6	186.4E6	500.000	500.000
27) Chlordane-5	6.872	5.941	56971777	73481136	500.000	500.000

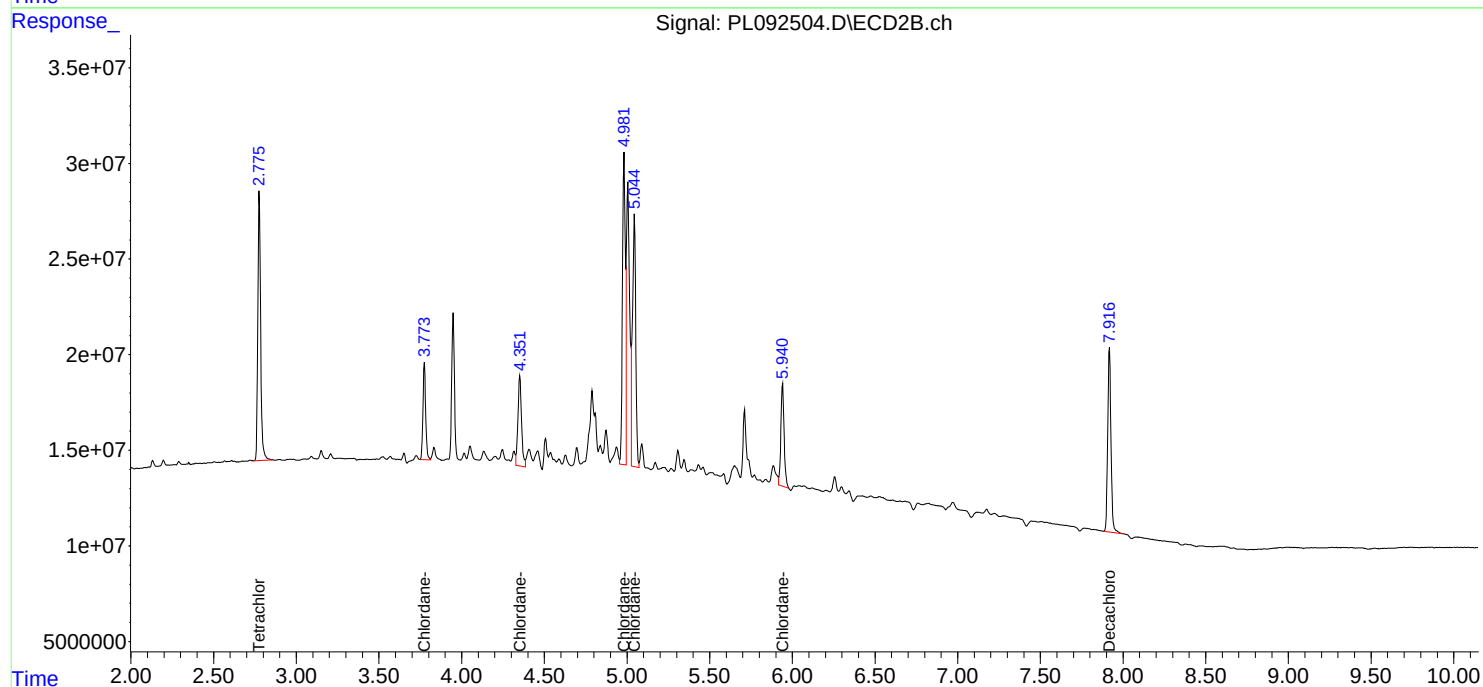
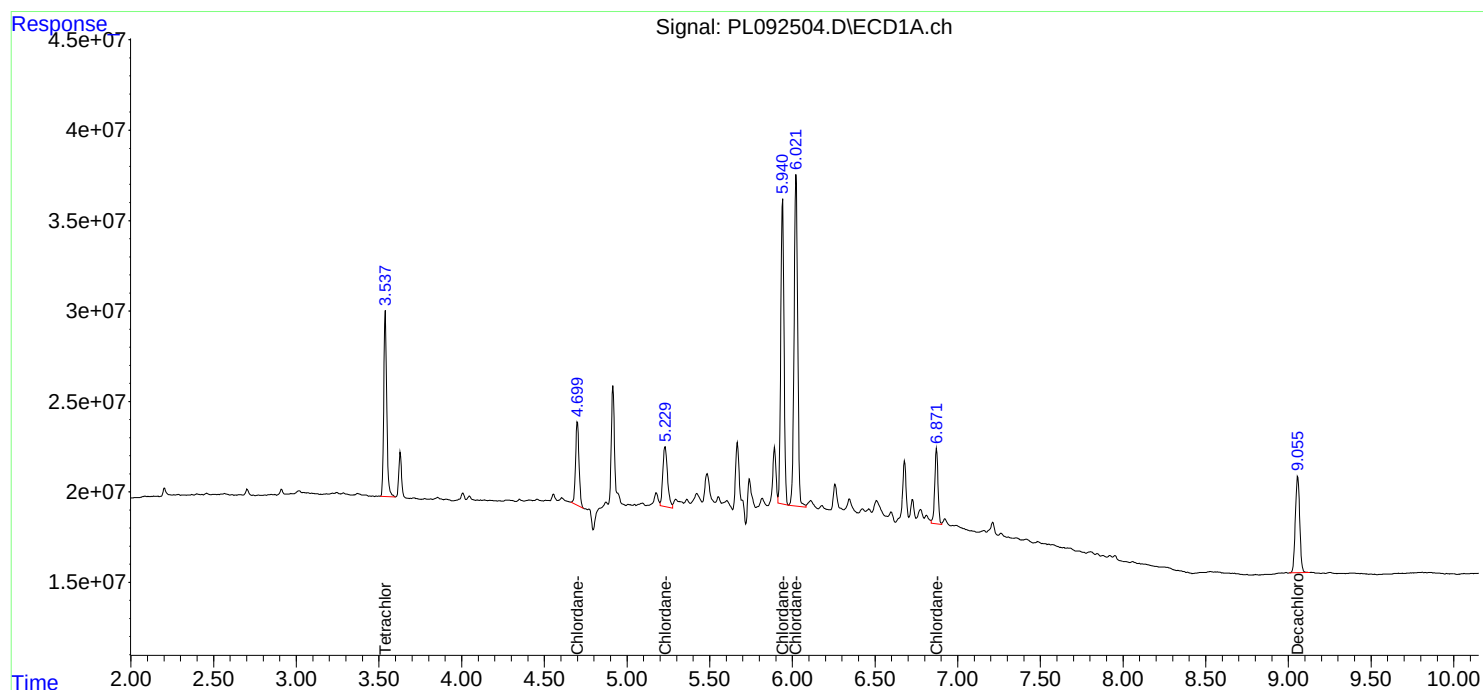
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

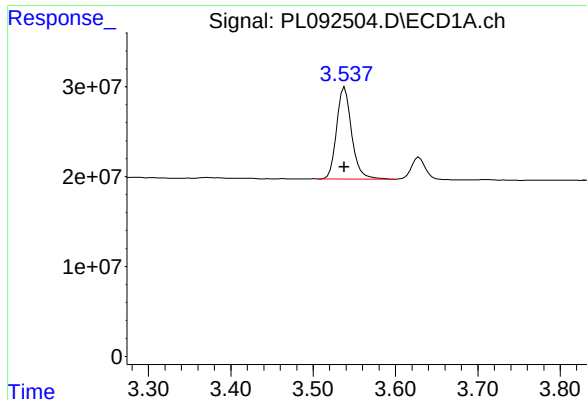
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:33
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:59:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 15:58:56 2024
Response via : Initial Calibration
Integrator: ChemStation

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

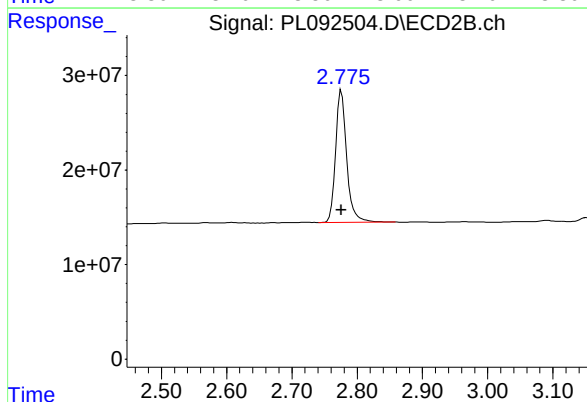




#1 Tetrachloro-m-xylene

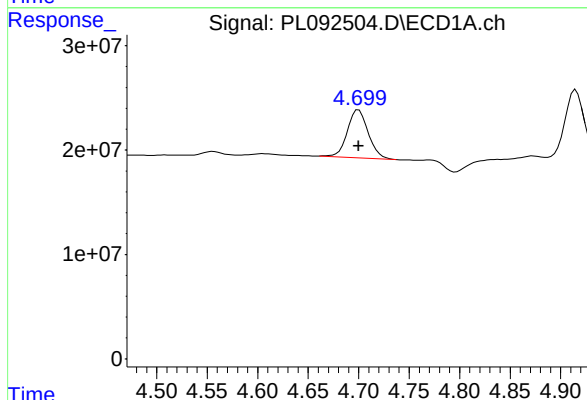
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 129448927
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



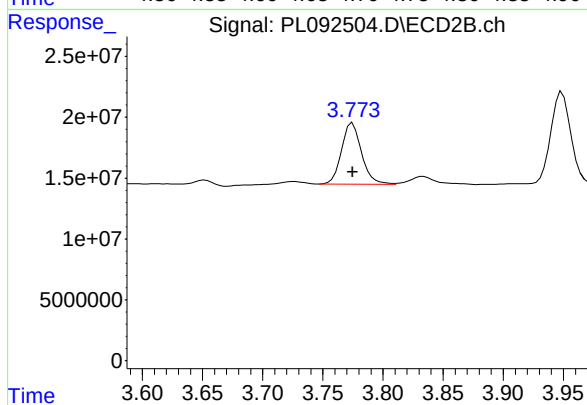
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.000 min
Response: 164833808
Conc: 50.00 ng/ml



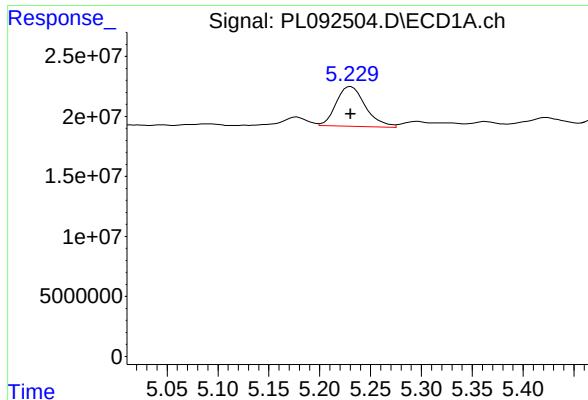
#23 Chlordane-1

R.T.: 4.700 min
Delta R.T.: 0.000 min
Response: 65786710
Conc: 500.00 ng/ml



#23 Chlordane-1

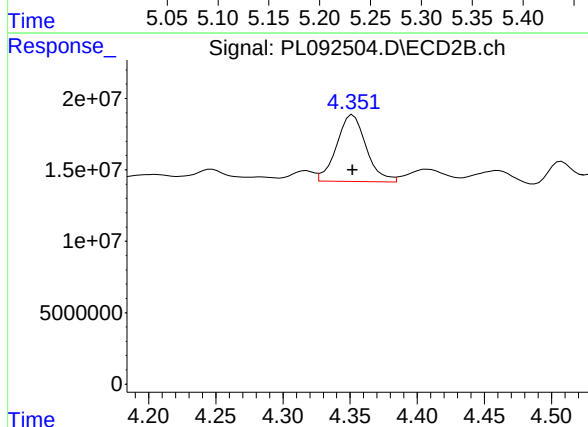
R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 58261206
Conc: 500.00 ng/ml



#24 Chlordane-2

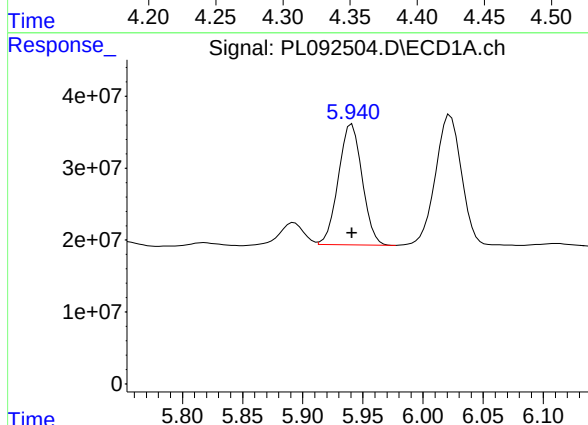
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 66083445
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



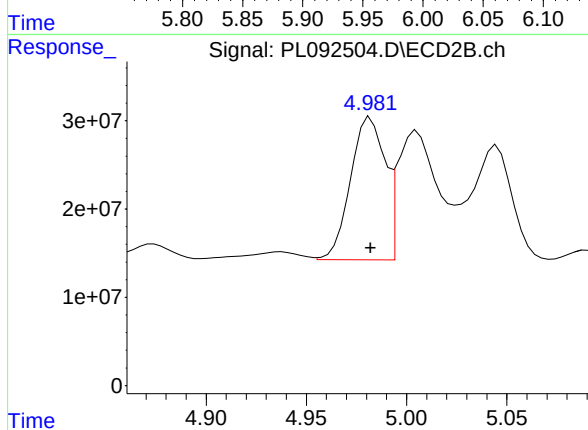
#24 Chlordane-2

R.T.: 4.352 min
Delta R.T.: 0.000 min
Response: 71790067
Conc: 500.00 ng/ml



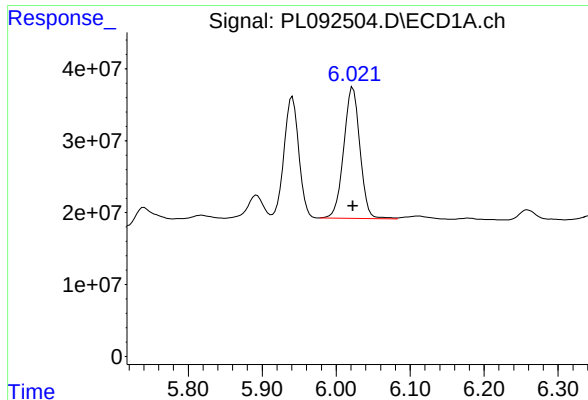
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 231541583
Conc: 500.00 ng/ml



#25 Chlordane-3

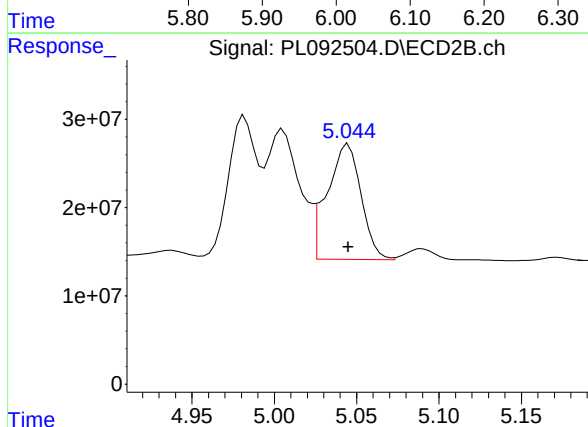
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 192316183
Conc: 500.00 ng/ml



#26 Chlordane-4

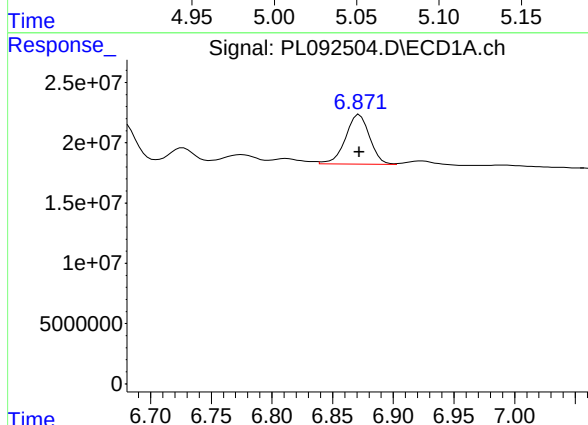
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 277129769
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



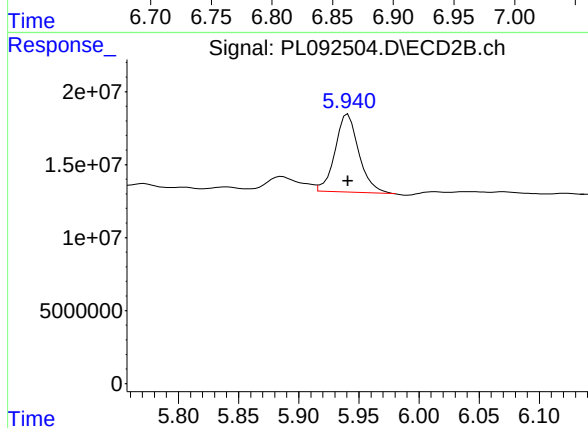
#26 Chlordane-4

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 186425212
Conc: 500.00 ng/ml



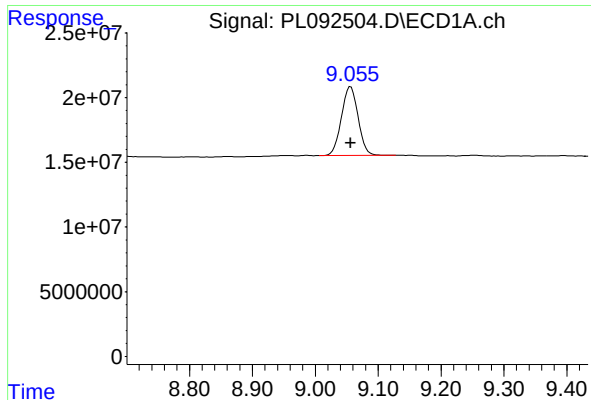
#27 Chlordane-5

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 56971777
Conc: 500.00 ng/ml



#27 Chlordane-5

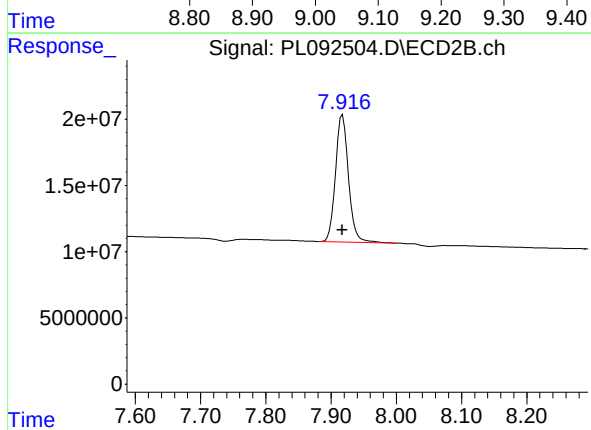
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 73481136
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 97897038
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 132398681
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:40
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: Oct 21 17:22:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:22:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	131.2E6	138.0E6	50.000	50.000
7) SA Decachlor...	9.056	7.917	99055018	134.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.237	5.008	13323445	12234024	500.000	500.000
3) Toxaphene-2	6.442	5.332	7798054	12005121	500.000	500.000
4) Toxaphene-3	7.059	6.606	43346228	35338241	500.000	500.000
5) Toxaphene-4	7.151	6.734	34740446	41260883	500.000	500.000
6) Toxaphene-5	7.935	7.047	24371709	41583003	500.000	500.000

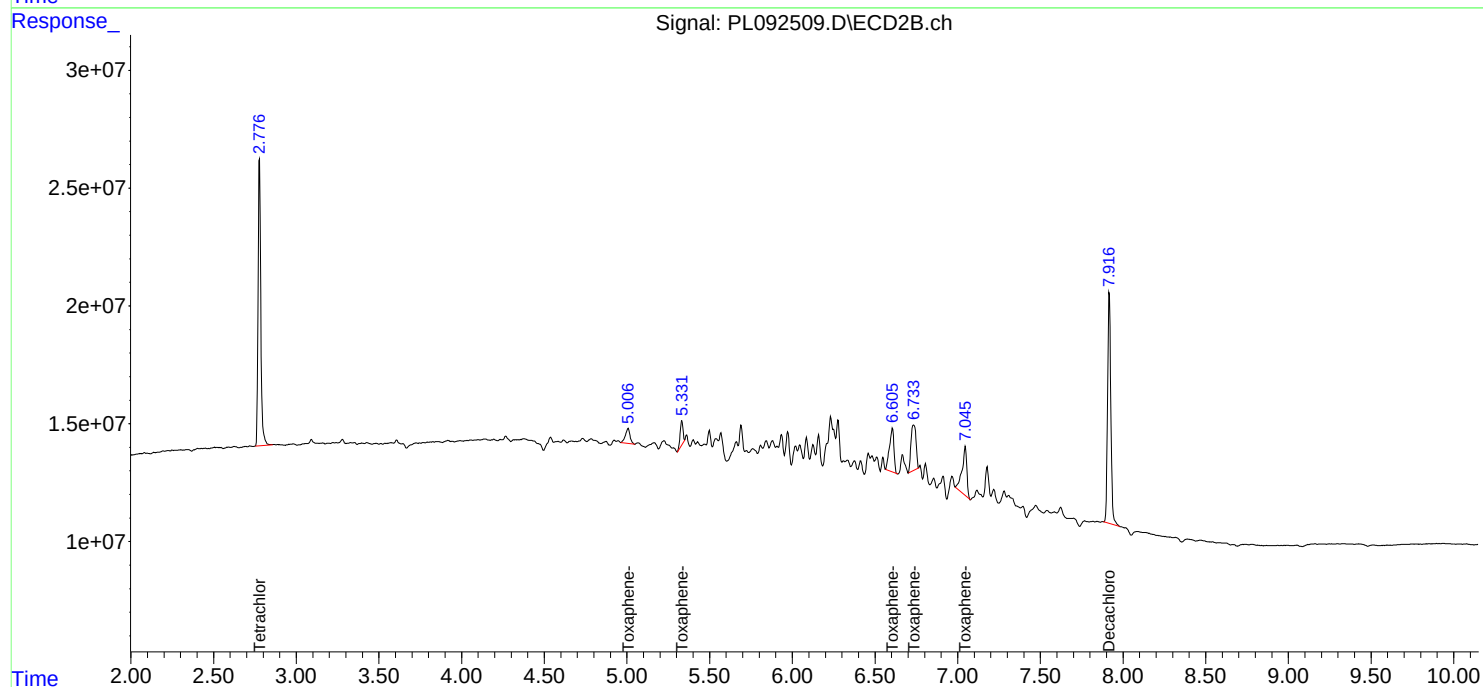
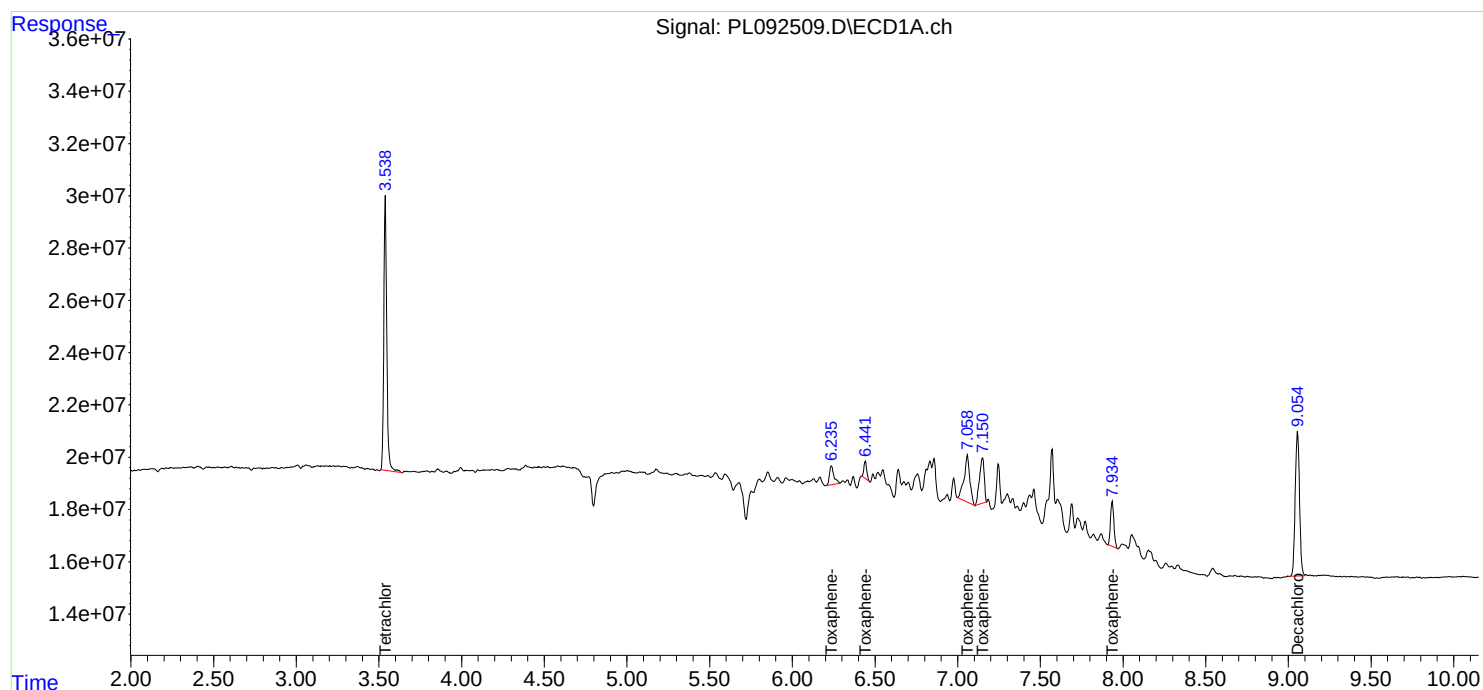
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

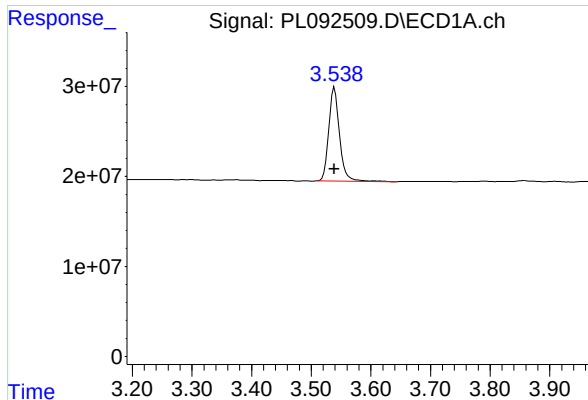
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:22:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:22:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

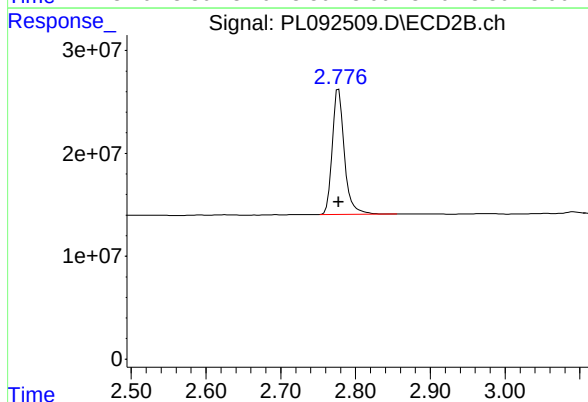




#1 Tetrachloro-m-xylene

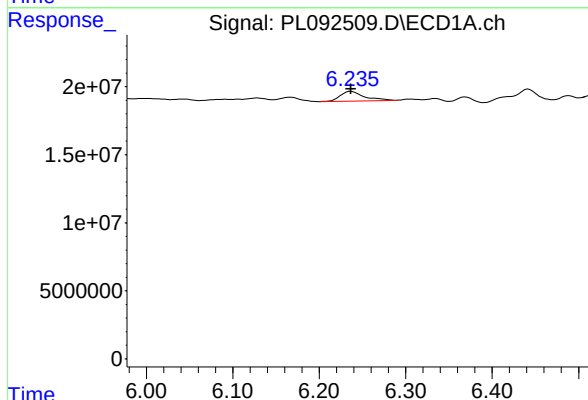
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 131231964
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



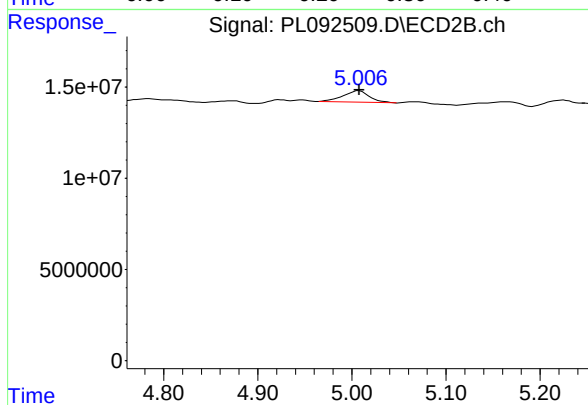
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 137973539
Conc: 50.00 ng/ml



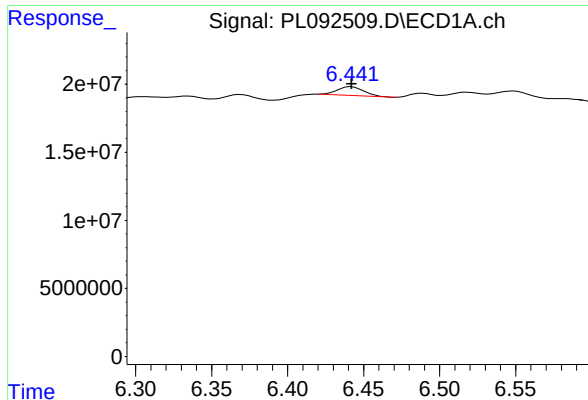
#2 Toxaphene-1

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 13323445
Conc: 500.00 ng/ml



#2 Toxaphene-1

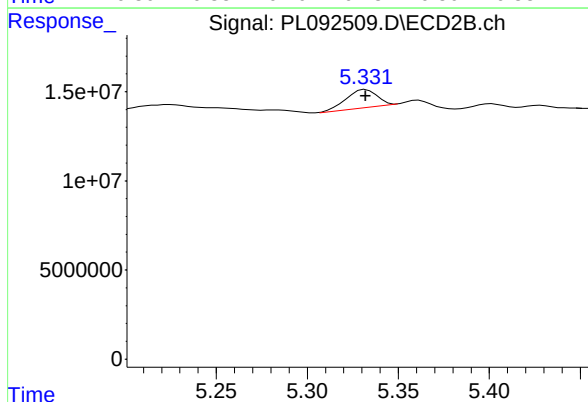
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 12234024
Conc: 500.00 ng/ml



#3 Toxaphene-2

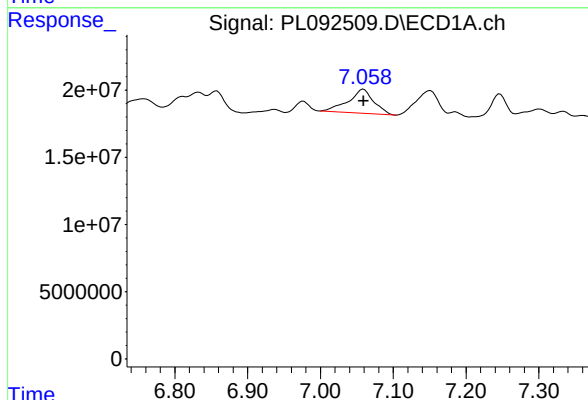
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 7798054
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



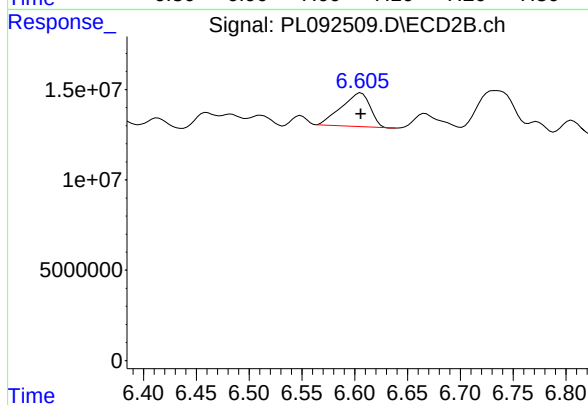
#3 Toxaphene-2

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 12005121
Conc: 500.00 ng/ml



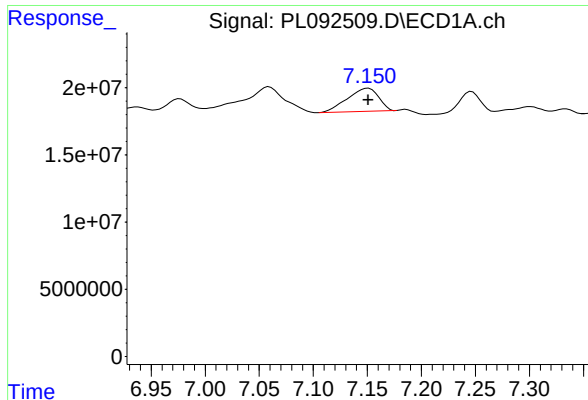
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 43346228
Conc: 500.00 ng/ml



#4 Toxaphene-3

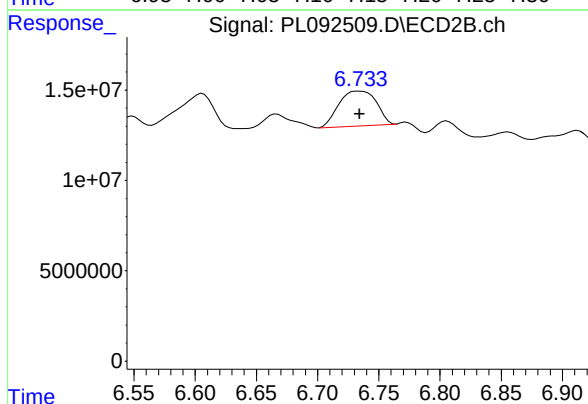
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 35338241
Conc: 500.00 ng/ml



#5 Toxaphene-4

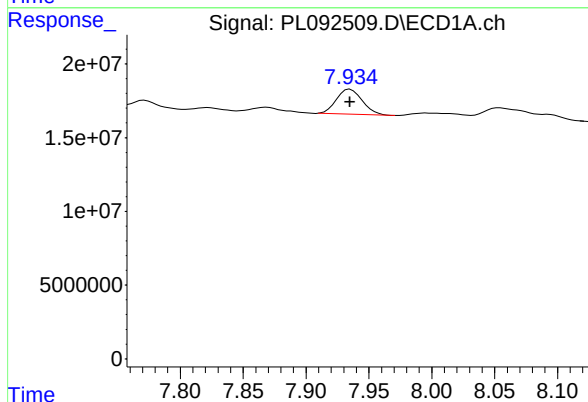
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 34740446
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



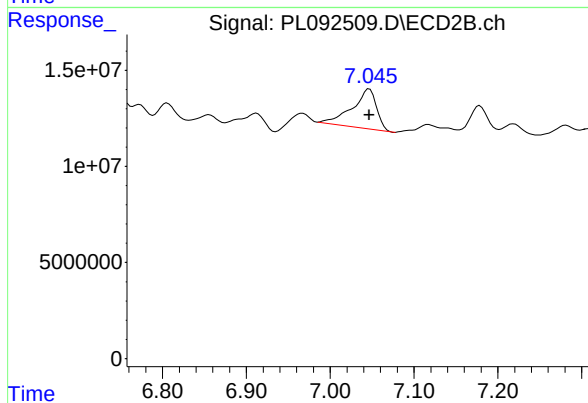
#5 Toxaphene-4

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 41260883
Conc: 500.00 ng/ml



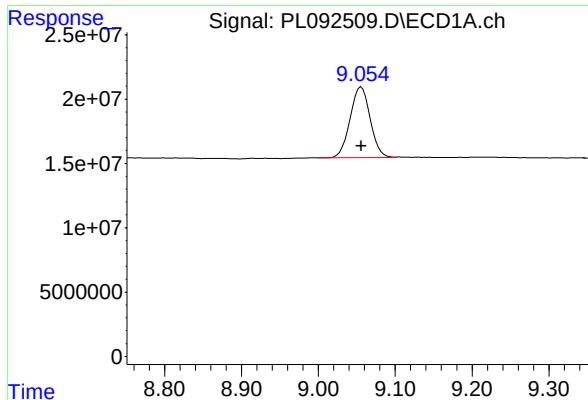
#6 Toxaphene-5

R.T.: 7.935 min
Delta R.T.: 0.000 min
Response: 24371709
Conc: 500.00 ng/ml



#6 Toxaphene-5

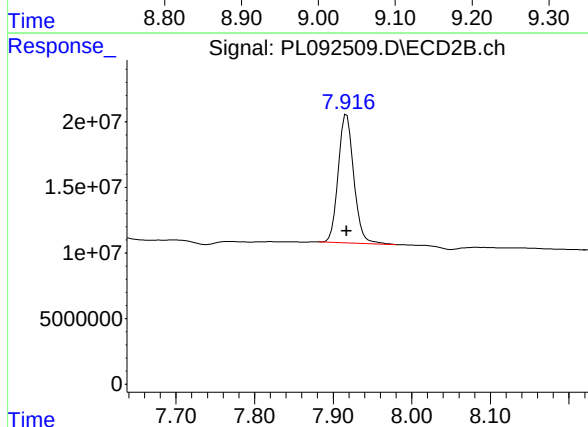
R.T.: 7.047 min
Delta R.T.: 0.000 min
Response: 41583003
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 99055018
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 134270166
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
 Data File : PL092512.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 16:21
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL102124

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:09:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	129.5E6	138.1E6	48.067	49.707
28) SA Decachlor...	9.056	7.917	97721936	136.3E6	48.112	51.735
Target Compounds						
2) A alpha-BHC	3.995	3.280	200.0E6	210.8E6	48.525	48.845
3) MA gamma-BHC...	4.327	3.610	187.4E6	209.2E6	48.704	50.799
4) MA Heptachlor	4.917	3.949	175.0E6	197.6E6	49.350	49.215
5) MB Aldrin	5.259	4.229	187.9E6	195.8E6	51.090	49.260
6) B beta-BHC	4.525	3.910	75317205	83414361	48.519	47.776
7) B delta-BHC	4.771	4.139	191.0E6	206.0E6	50.774m	48.986
8) B Heptachlo...	5.684	4.732	170.4E6	179.3E6	51.301m	50.898
9) A Endosulfan I	6.070	5.102	149.0E6	161.4E6	49.351	50.702
10) B gamma-Chl...	5.941	4.982	159.0E6	183.2E6	48.235	49.803
11) B alpha-Chl...	6.020	5.046	156.6E6	178.0E6	48.084	50.087
12) B 4,4'-DDE	6.194	5.235	145.5E6	177.6E6	49.064	51.086
13) MA Dieldrin	6.346	5.367	157.3E6	182.9E6	48.370	50.042
14) MA Endrin	6.575	5.642	132.5E6	163.0E6	46.920	49.759
15) B Endosulfa...	6.795	5.937	151.3E6	157.3E6	53.462	50.320
16) A 4,4'-DDD	6.711	5.790	117.9E6	140.0E6	48.805	50.402
17) MA 4,4'-DDT	7.024	6.041	122.6E6	146.8E6	49.730	49.985
18) B Endrin al...	6.925	6.117	105.7E6	123.0E6	49.492	50.089
19) B Endosulfa...	7.160	6.339	122.9E6	151.8E6	48.636	51.353
20) A Methoxychlor	7.501	6.616	61626507	70241137	52.327	49.540
21) B Endrin ke...	7.644	6.845	137.1E6	163.6E6	49.866	50.924
22) Mirex	8.118	7.025	100.6E6	132.4E6	48.219	50.674m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL102124

Manual Integrations

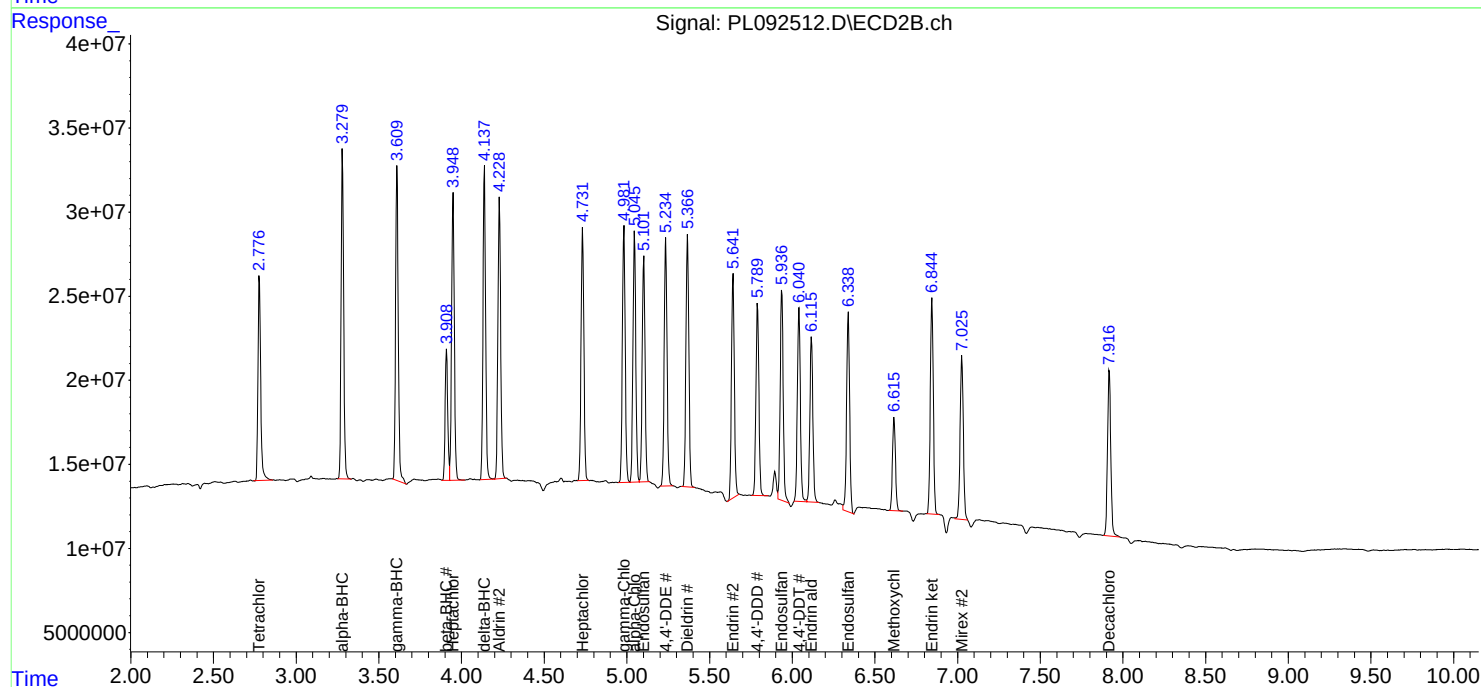
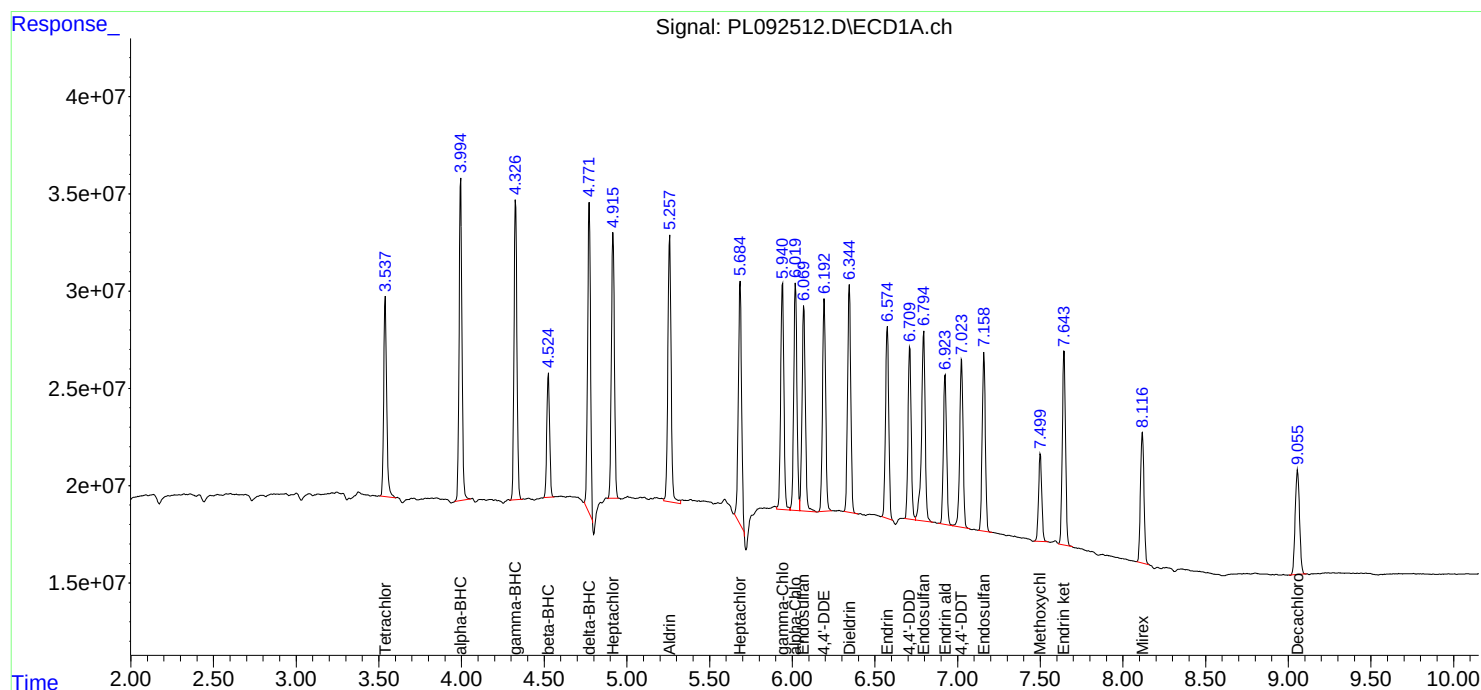
APPROVED

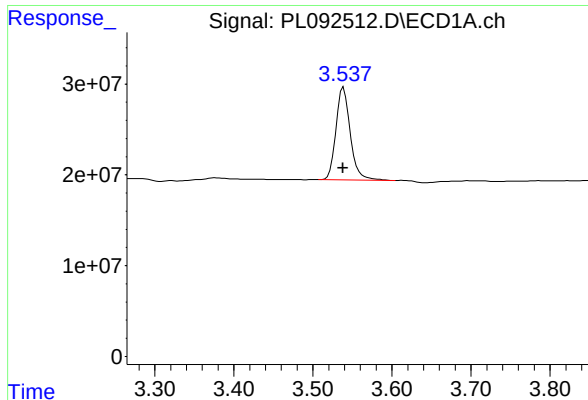
Reviewed By :Abdul Mirza 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:09:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





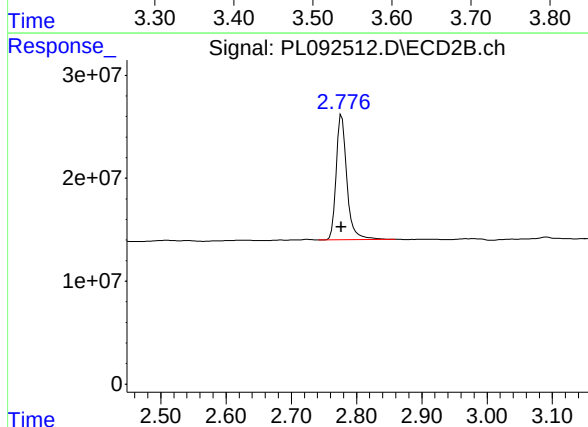
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 129484542
Conc: 48.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

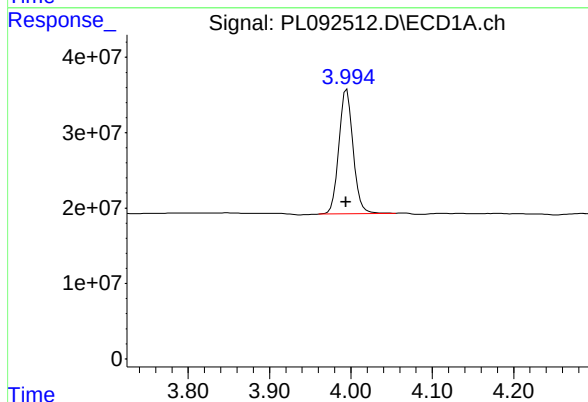
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



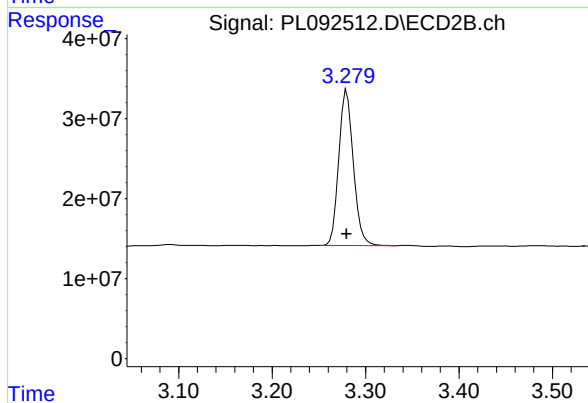
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 138058421
Conc: 49.71 ng/ml



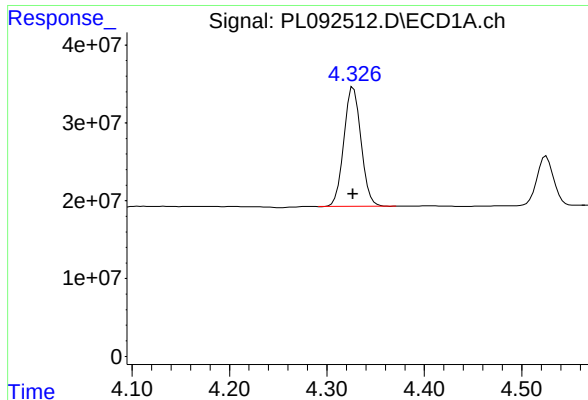
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 199981555
Conc: 48.52 ng/ml



#2 alpha-BHC

R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 210771528
Conc: 48.85 ng/ml



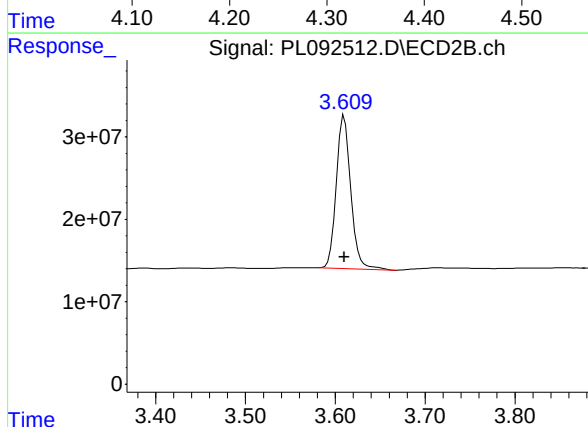
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 187353909
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

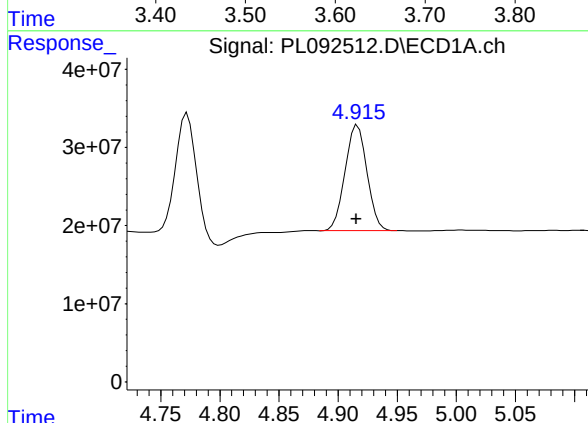
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



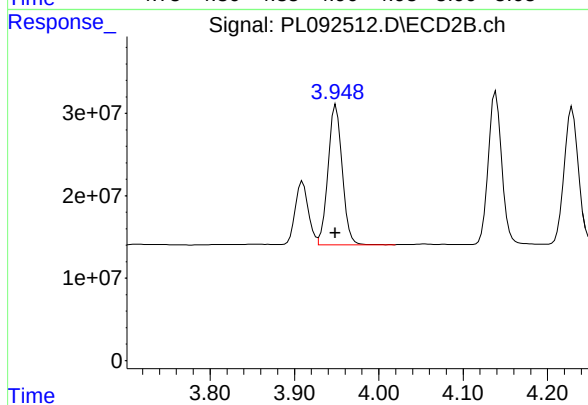
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 209189510
Conc: 50.80 ng/ml



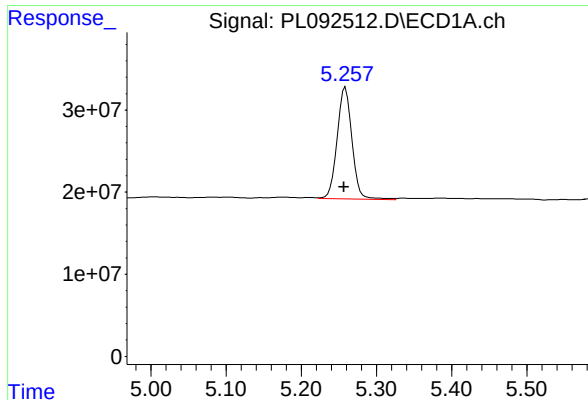
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.001 min
Response: 174980681
Conc: 49.35 ng/ml



#4 Heptachlor

R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 197637764
Conc: 49.22 ng/ml



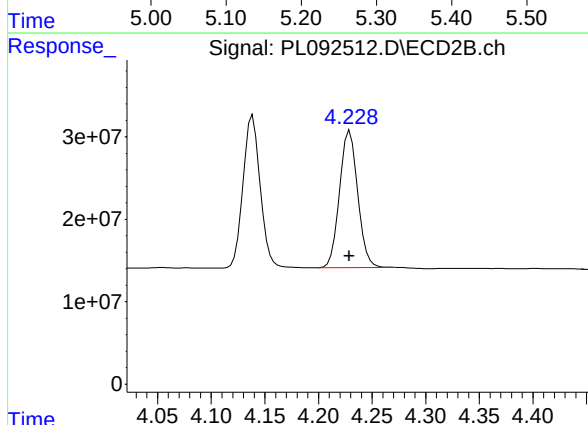
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.002 min
Response: 187944426
Conc: 51.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

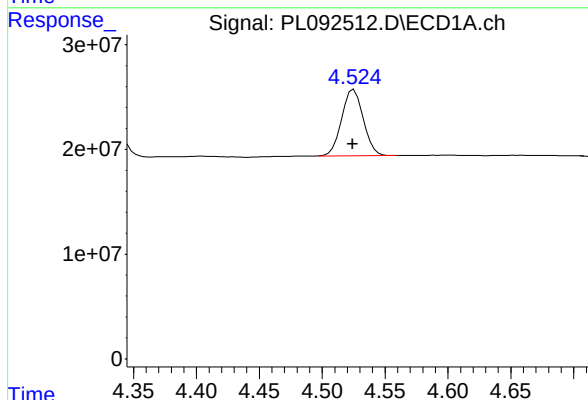
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



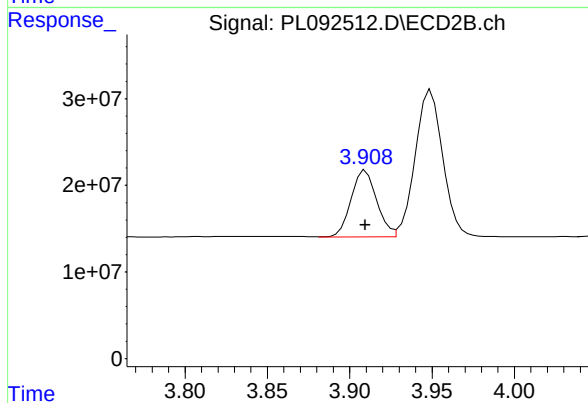
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 195832034
Conc: 49.26 ng/ml



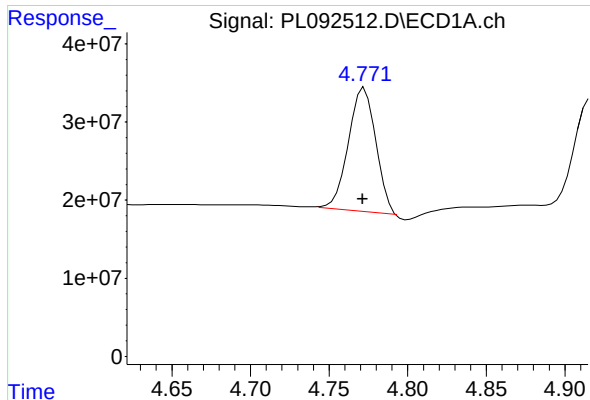
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.001 min
Response: 75317205
Conc: 48.52 ng/ml



#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 83414361
Conc: 47.78 ng/ml



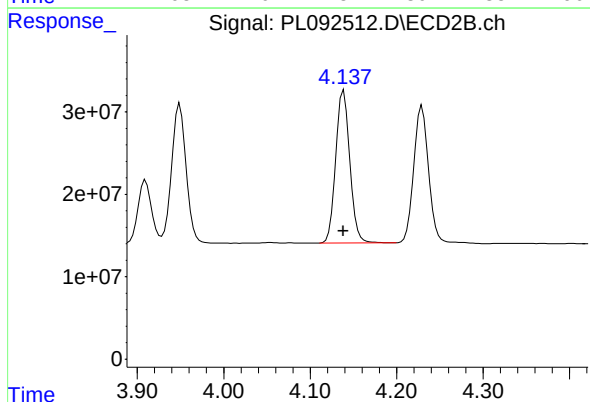
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 191012567
Conc: 50.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

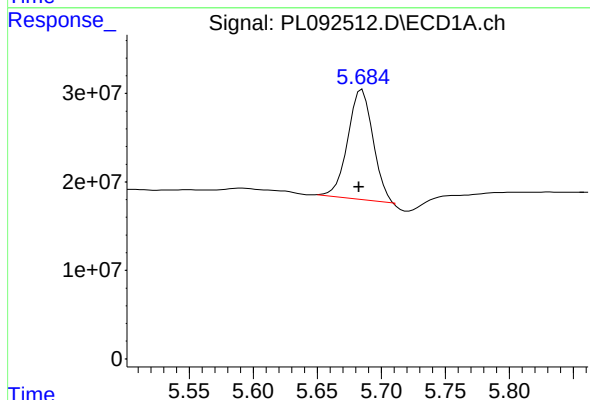
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



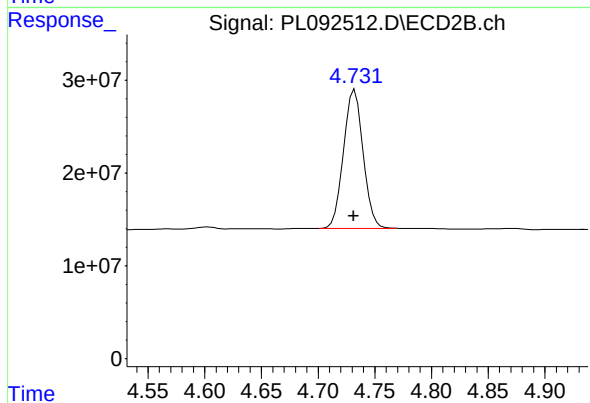
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 206047001
Conc: 48.99 ng/ml



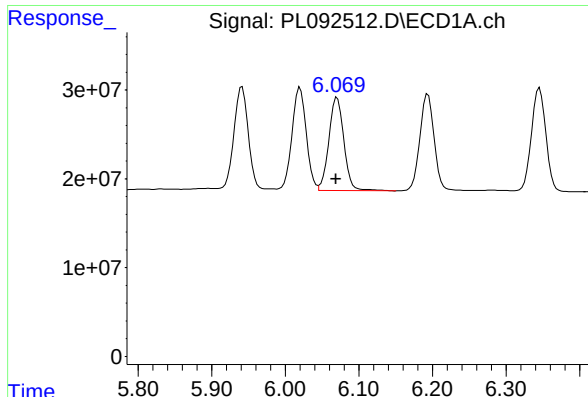
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 170356440
Conc: 51.30 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.732 min
Delta R.T.: 0.001 min
Response: 179339708
Conc: 50.90 ng/ml



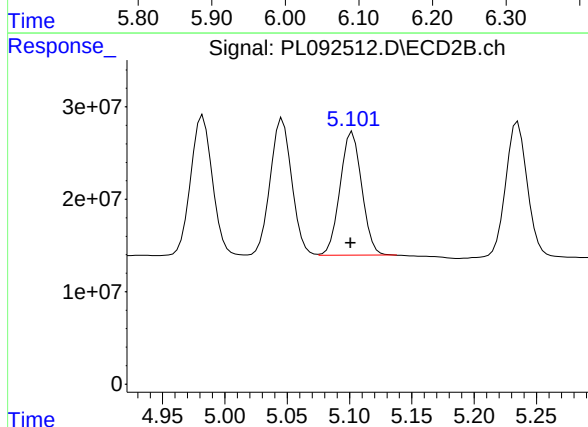
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.002 min
Response: 149011185
Conc: 49.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

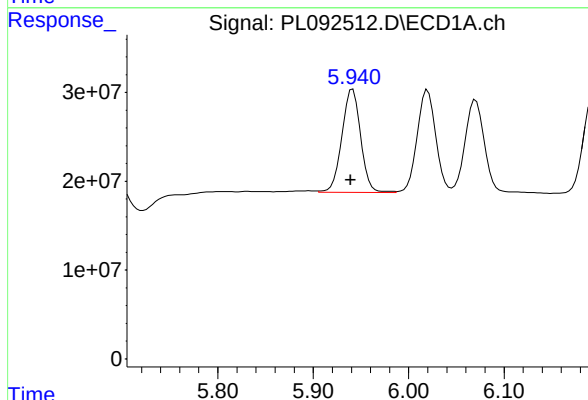
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



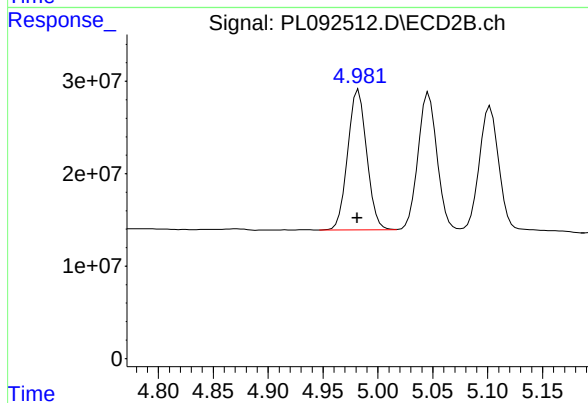
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.001 min
Response: 161386340
Conc: 50.70 ng/ml



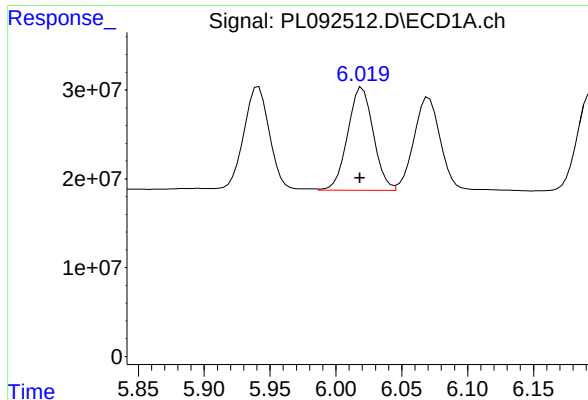
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.002 min
Response: 159029976
Conc: 48.24 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.001 min
Response: 183237093
Conc: 49.80 ng/ml



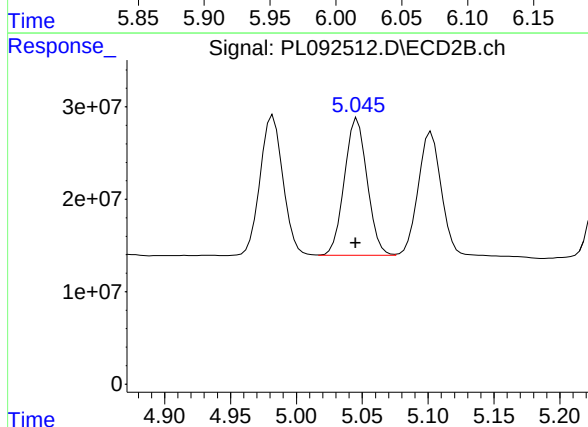
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.002 min
Response: 156579668
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

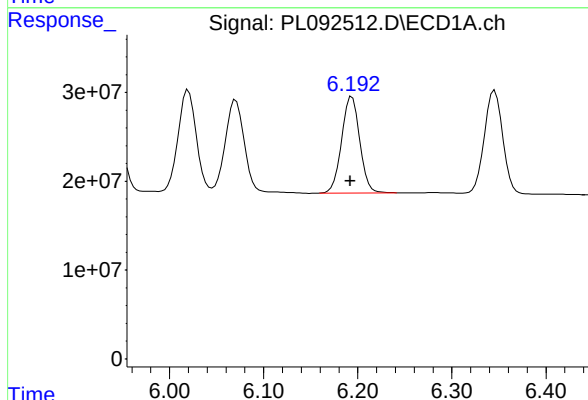
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



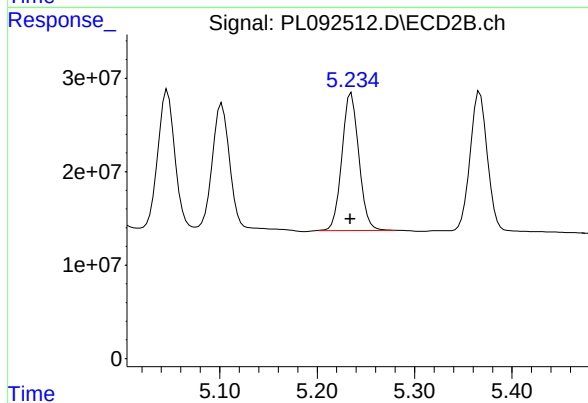
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.001 min
Response: 178010809
Conc: 50.09 ng/ml



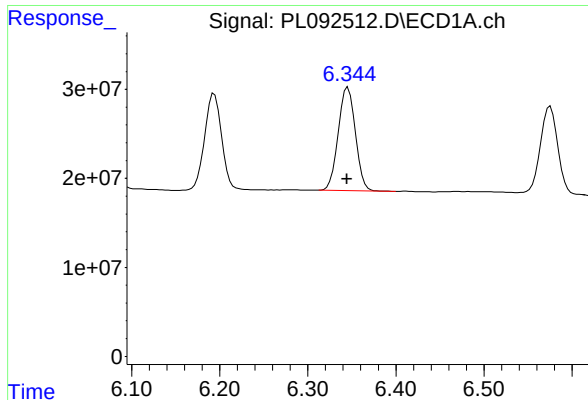
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 145520156
Conc: 49.06 ng/ml



#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 177642828
Conc: 51.09 ng/ml



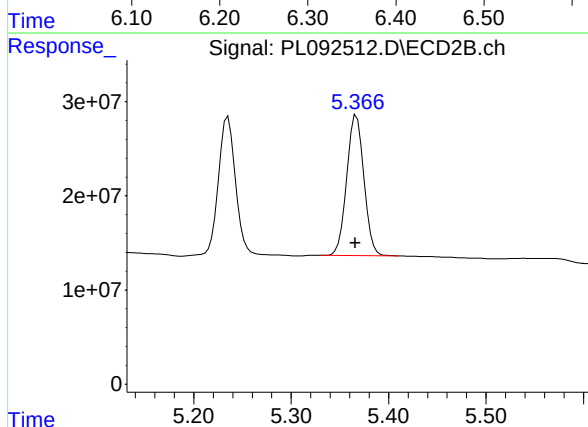
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 157294702
Conc: 48.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

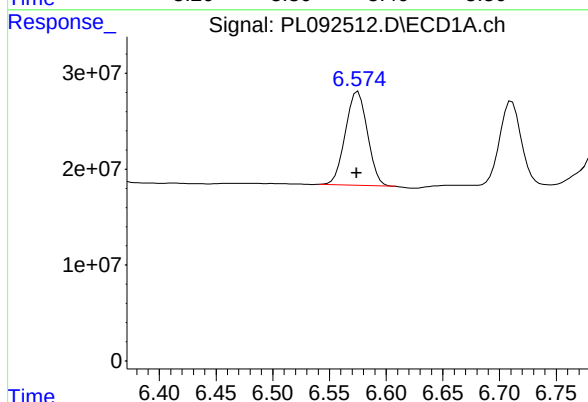
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



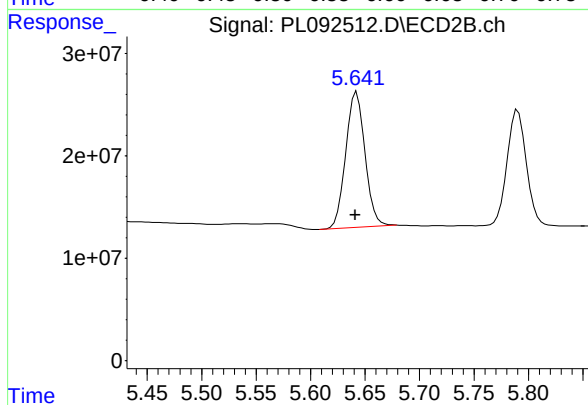
#13 Dieldrin

R.T.: 5.367 min
Delta R.T.: 0.001 min
Response: 182872733
Conc: 50.04 ng/ml



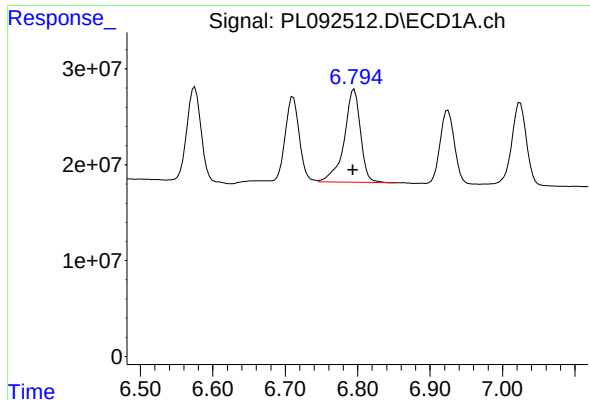
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.001 min
Response: 132490513
Conc: 46.92 ng/ml



#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.001 min
Response: 162956444
Conc: 49.76 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.002 min
Response: 151285267
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

#15 Endosulfan II

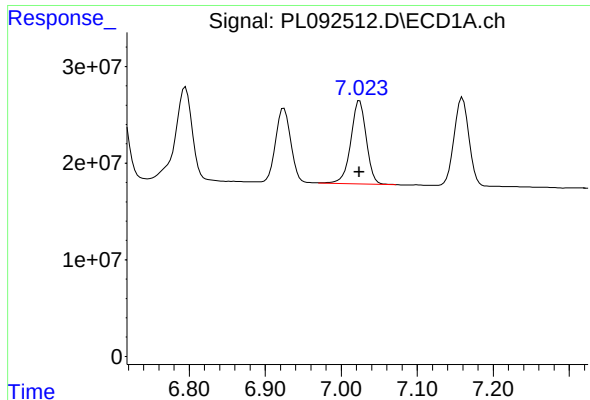
R.T.: 5.937 min
Delta R.T.: 0.001 min
Response: 157312595
Conc: 50.32 ng/ml

#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 117911482
Conc: 48.81 ng/ml

#16 4,4'-DDD

R.T.: 5.790 min
Delta R.T.: 0.002 min
Response: 140029579
Conc: 50.40 ng/ml



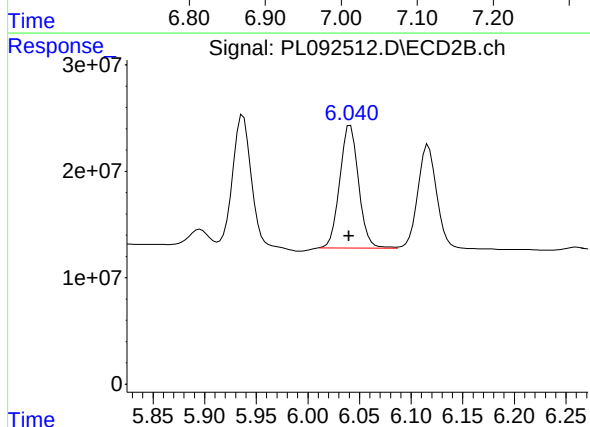
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 122635868
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

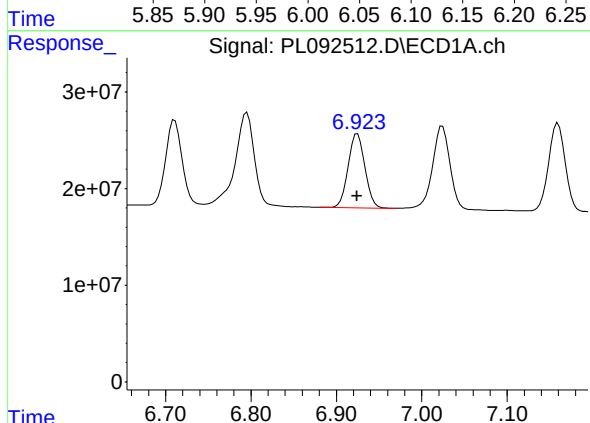
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



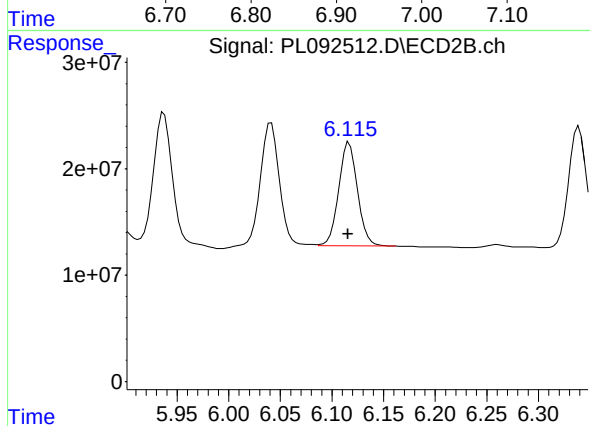
#17 4,4'-DDT

R.T.: 6.041 min
Delta R.T.: 0.001 min
Response: 146803235
Conc: 49.98 ng/ml



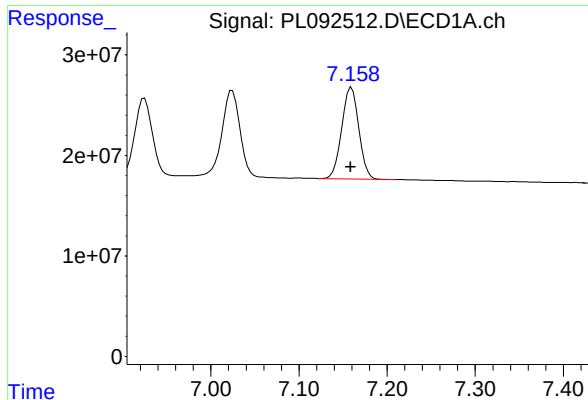
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 105719244
Conc: 49.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 123045826
Conc: 50.09 ng/ml



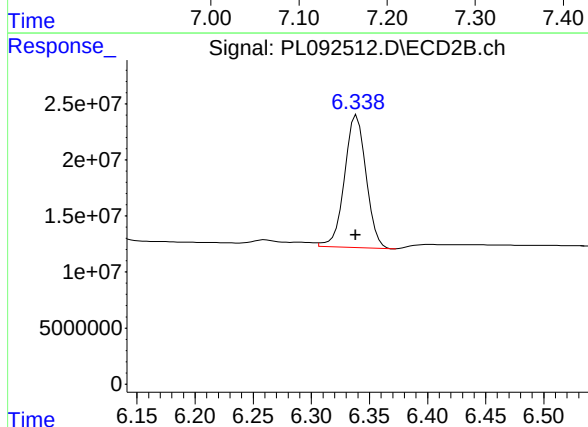
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 122886496
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

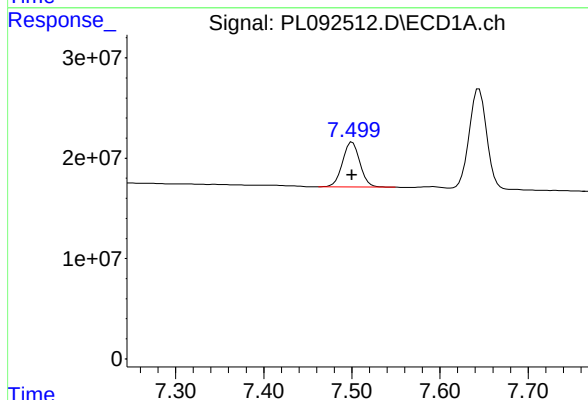
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



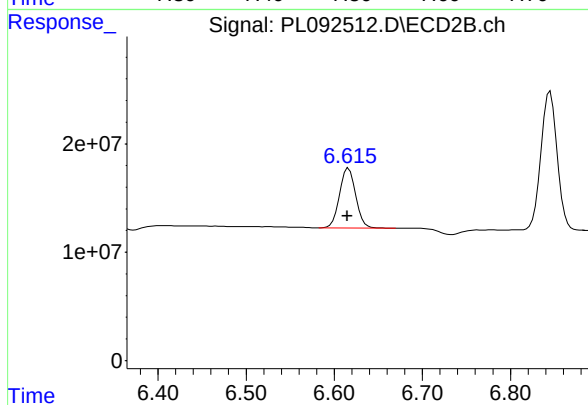
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.001 min
Response: 151812185
Conc: 51.35 ng/ml



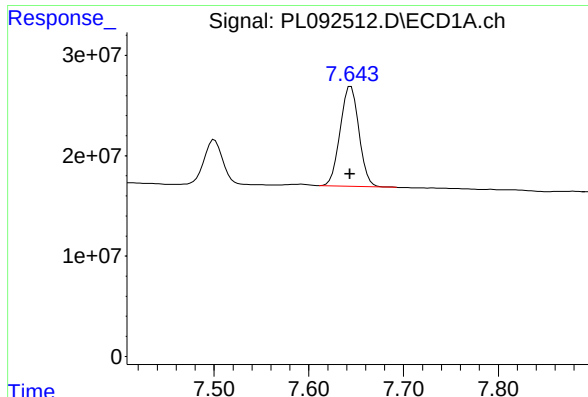
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 61626507
Conc: 52.33 ng/ml



#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 70241137
Conc: 49.54 ng/ml



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 137122532
Conc: 49.87 ng/ml

Instrument :

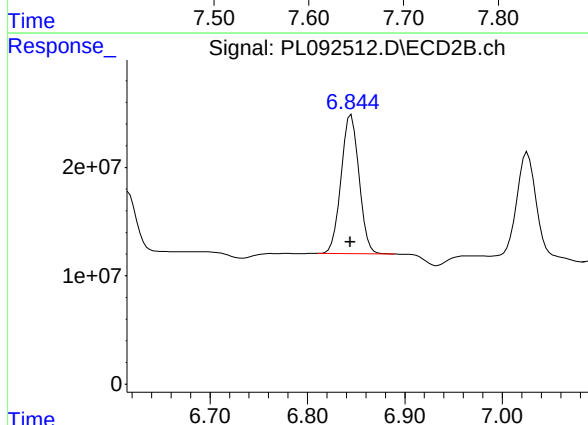
ECD_L

ClientSampleId :

ICVPL102124

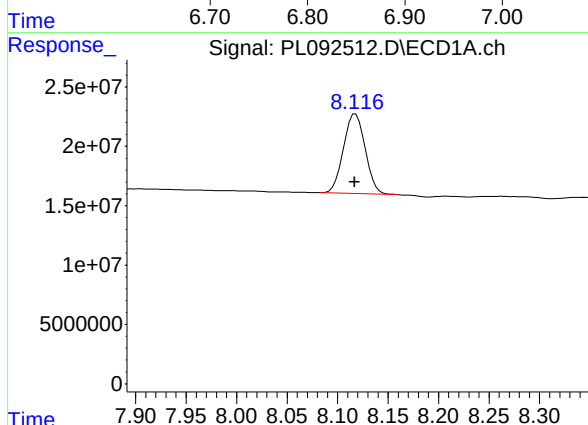
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



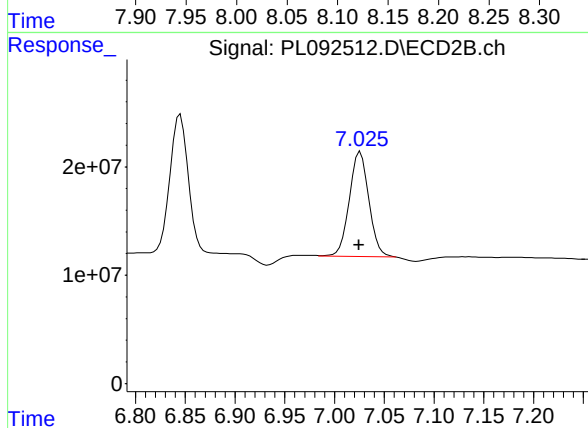
#21 Endrin ketone

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 163574457
Conc: 50.92 ng/ml



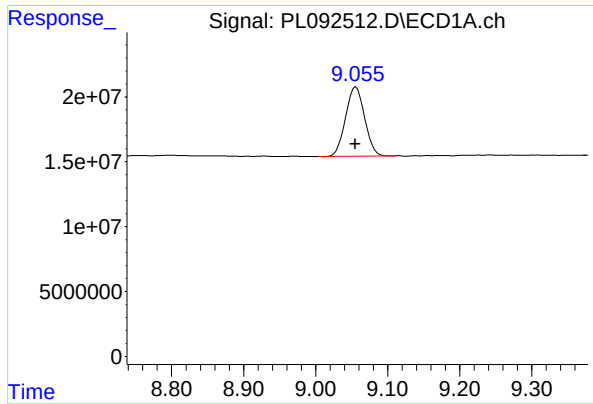
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 100614554
Conc: 48.22 ng/ml



#22 Mirex

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 132436158
Conc: 50.67 ng/ml m



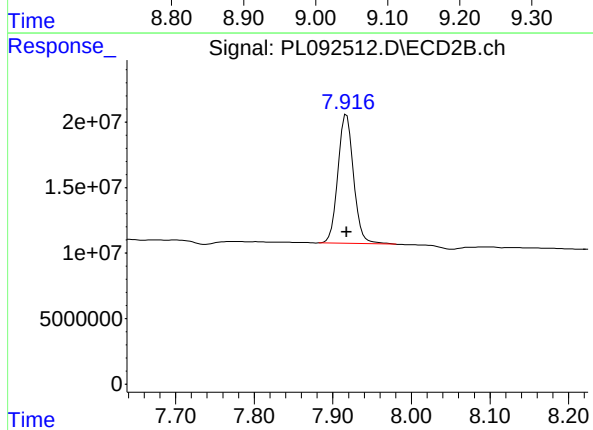
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 97721936
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 136320751
Conc: 51.74 ng/ml

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:	RT 100 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	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	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02Lab Code: CHEMCase No.: P4495SAS No.: P4495SDG NO.: P4495Instrument ID: ECD_LCalibration Date(s): 10/28/2024 10/28/2024Calibration Times: 14:43 15:36GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L
Calibration Date(s): 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495
Instrument ID: ECD_L
Calibration Date(s): 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
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: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	231.9E6	272.5E6	99.805	101.520
28) SA Decachlor...	9.054	7.915	173.9E6	260.7E6	97.727	100.024
Target Compounds						
2) A alpha-BHC	3.996	3.281	335.7E6	428.2E6	101.915	103.738
3) MA gamma-BHC...	4.328	3.611	319.9E6	408.4E6	101.500	103.158
4) MA Heptachlor	4.917	3.950	281.7E6	387.6E6	99.789	102.203
5) MB Aldrin	5.258	4.230	284.7E6	384.1E6	100.711	102.971
6) B beta-BHC	4.525	3.910	134.3E6	162.5E6	99.068	101.057
7) B delta-BHC	4.773	4.139	306.8E6	408.8E6	101.972	103.616
8) B Heptachlo...	5.685	4.732	253.6E6	340.5E6	99.409	101.997
9) A Endosulfan I	6.070	5.102	232.1E6	311.1E6	99.407	101.931
10) B gamma-Chl...	5.940	4.982	249.7E6	347.0E6	100.095	102.605
11) B alpha-Chl...	6.019	5.046	248.7E6	340.9E6	99.933	102.323
12) B 4,4'-DDE	6.193	5.235	225.4E6	333.5E6	100.536	102.774
13) MA Dieldrin	6.345	5.366	248.7E6	348.3E6	100.220	102.853
14) MA Endrin	6.575	5.641	211.2E6	296.9E6	99.771	102.439
15) B Endosulfa...	6.794	5.936	216.0E6	288.2E6	98.961	101.794
16) A 4,4'-DDD	6.710	5.789	181.0E6	261.5E6	99.788	103.390
17) MA 4,4'-DDT	7.024	6.039	194.9E6	279.7E6	100.211	102.948
18) B Endrin al...	6.924	6.115	171.2E6	227.4E6	98.679	100.967
19) B Endosulfa...	7.158	6.338	197.4E6	270.8E6	98.735	101.573
20) A Methoxychlor	7.500	6.614	104.1E6	140.1E6	98.219	100.247
21) B Endrin ke...	7.643	6.843	225.4E6	309.0E6	99.557	101.257
22) Mirex	8.117	7.024	176.1E6	246.6E6	97.640	99.464

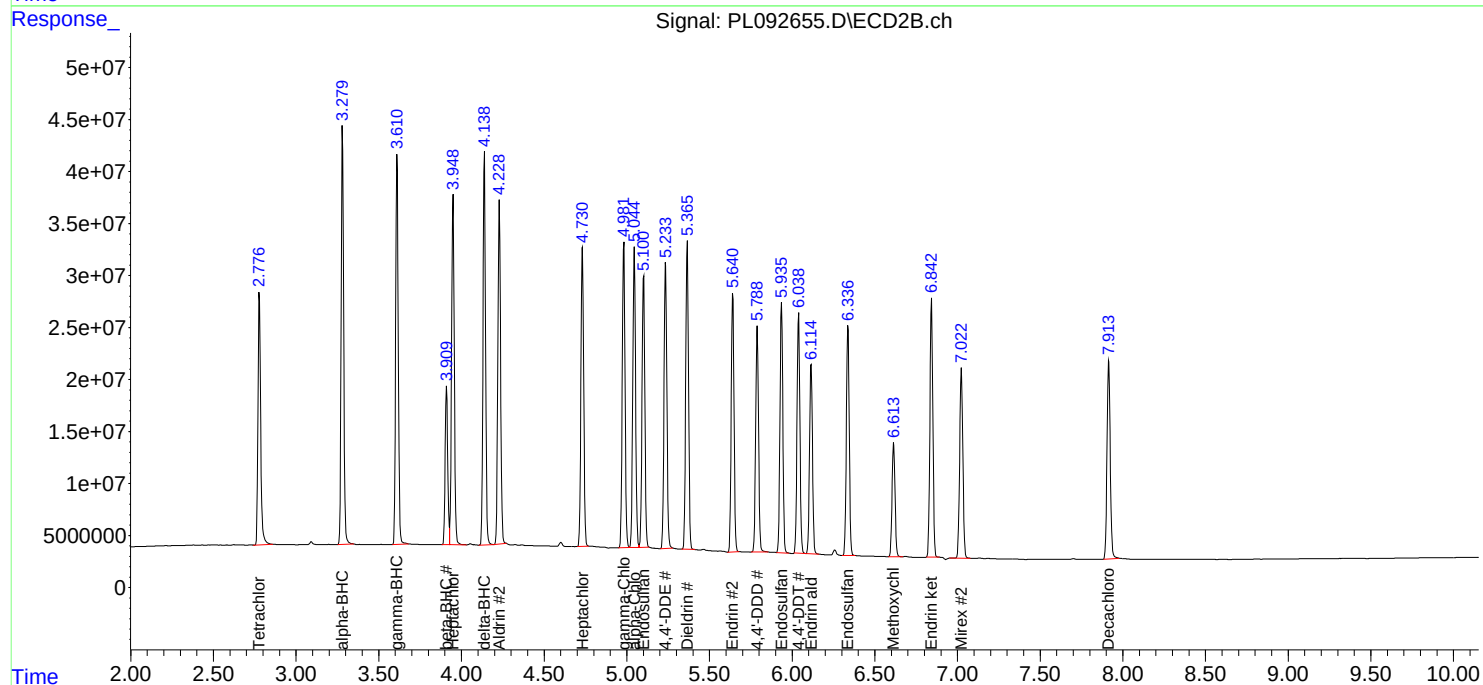
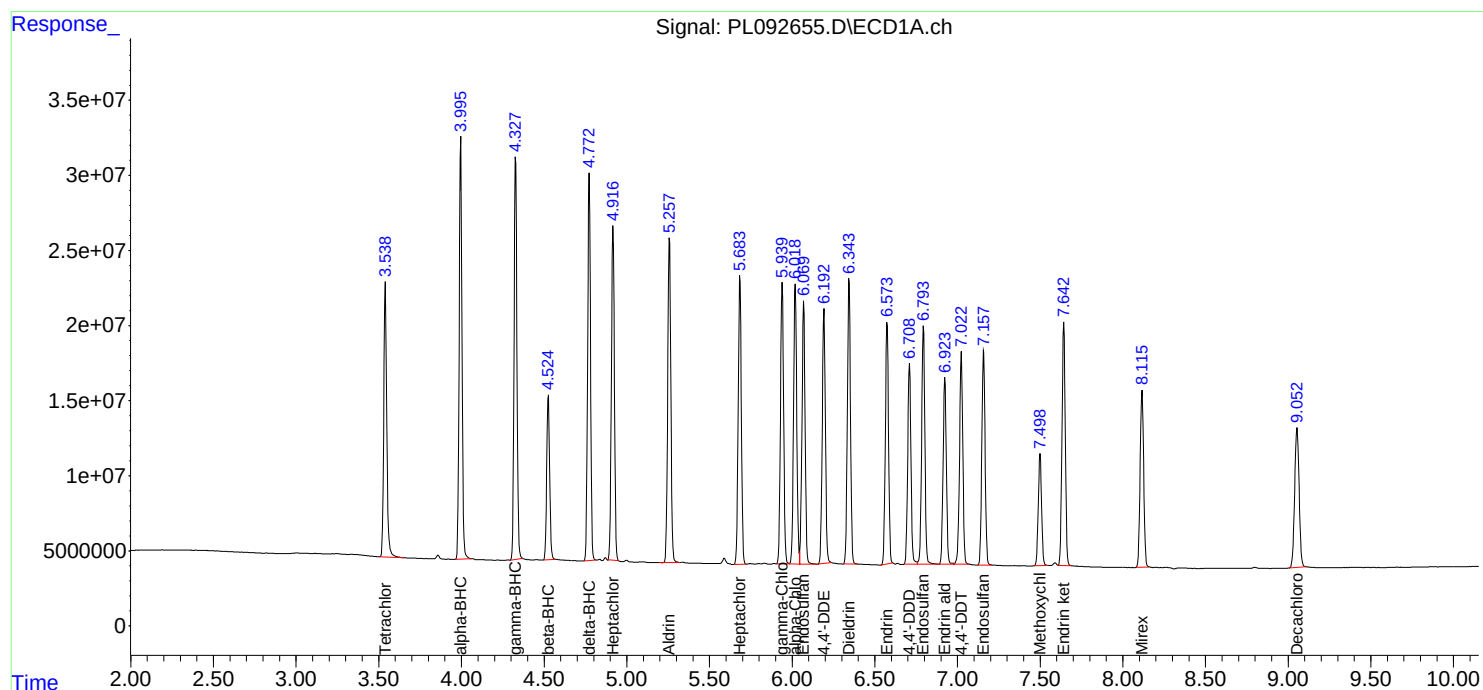
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

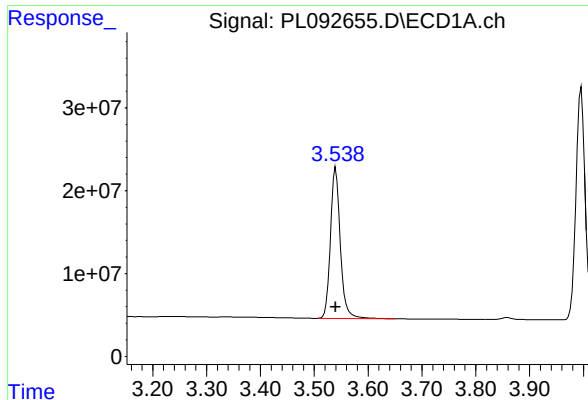
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

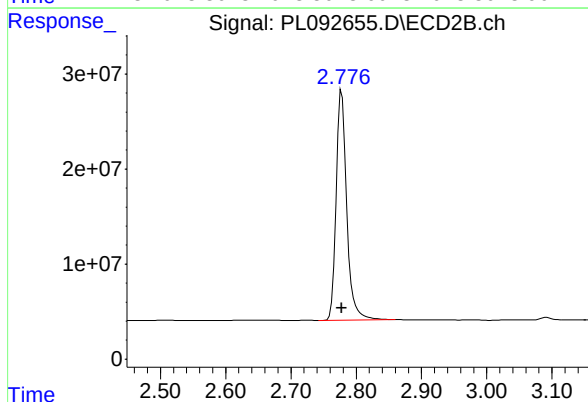




#1 Tetrachloro-m-xylene

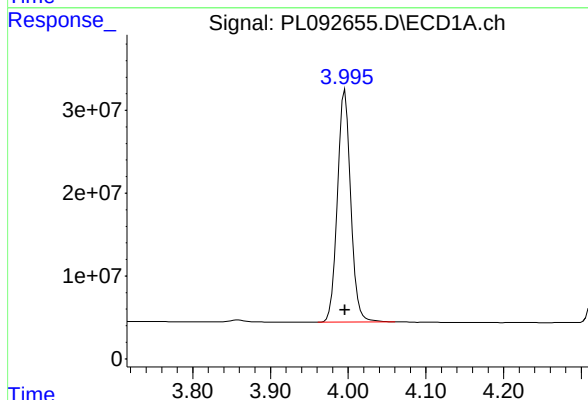
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 231934761
Conc: 99.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



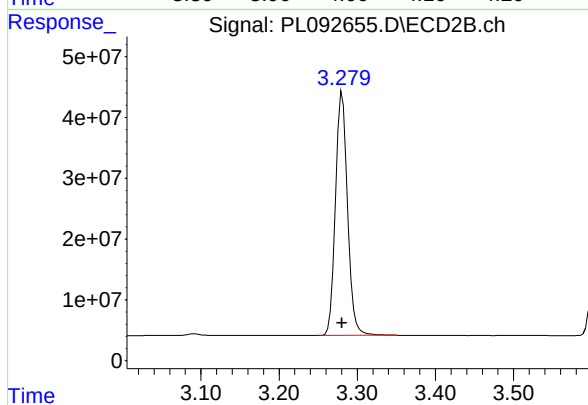
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 272475335
Conc: 101.52 ng/ml



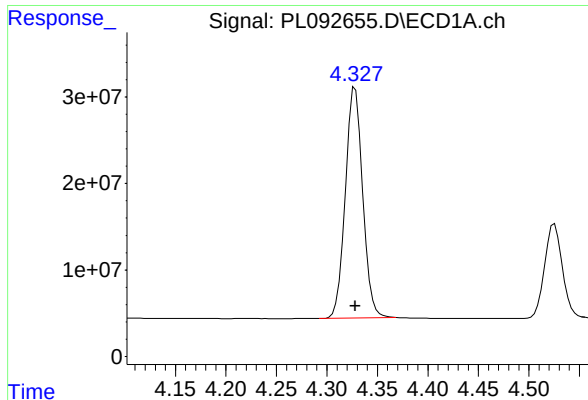
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 335653246
Conc: 101.91 ng/ml



#2 alpha-BHC

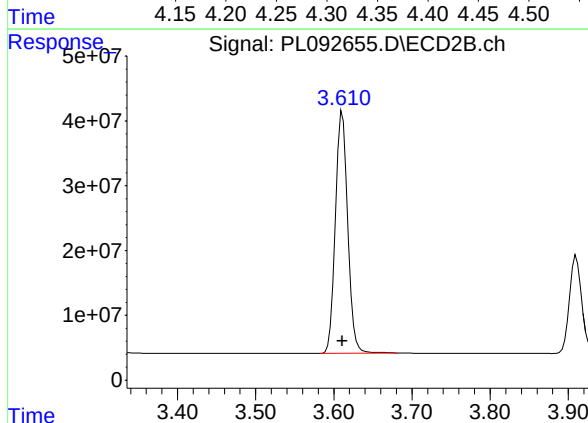
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 428249570
Conc: 103.74 ng/ml



#3 gamma-BHC (Lindane)

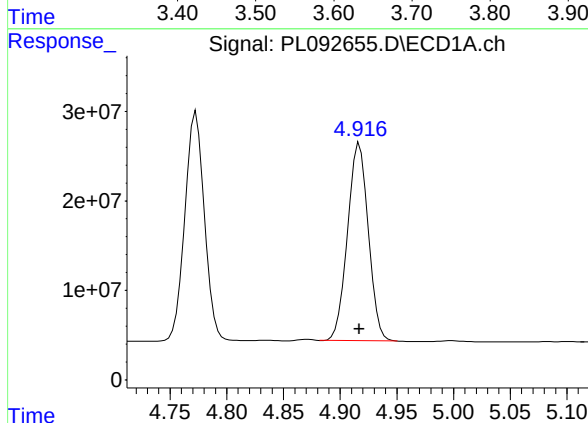
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 319896474
Conc: 101.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



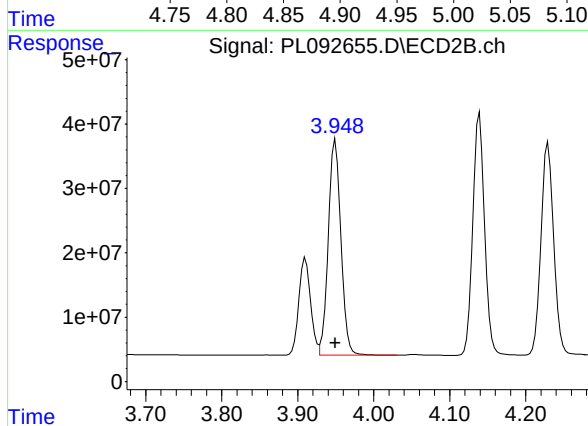
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 408395315
Conc: 103.16 ng/ml



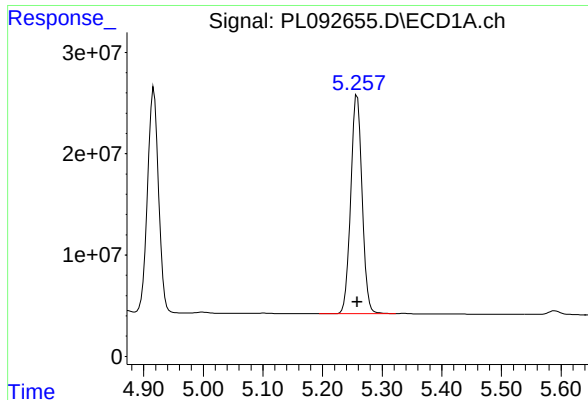
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 281730343
Conc: 99.79 ng/ml



#4 Heptachlor

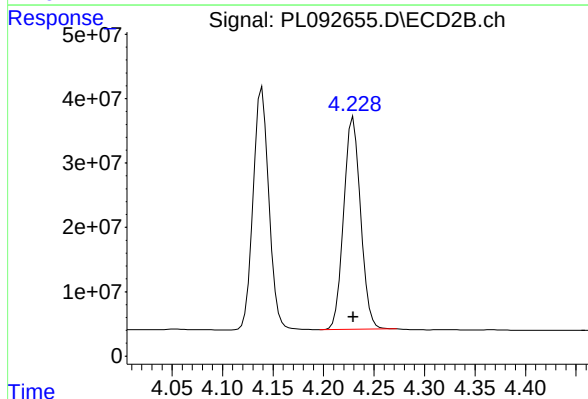
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 387619744
Conc: 102.20 ng/ml



#5 Aldrin

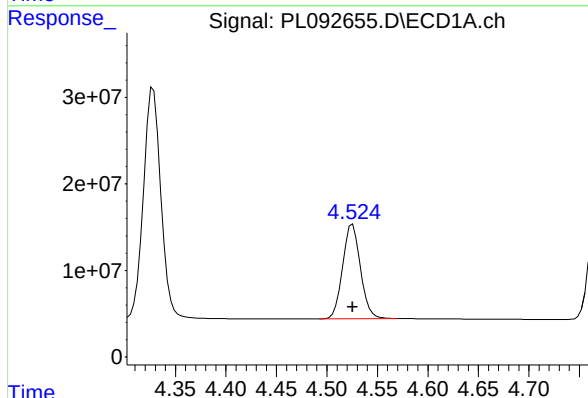
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 284747575
Conc: 100.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



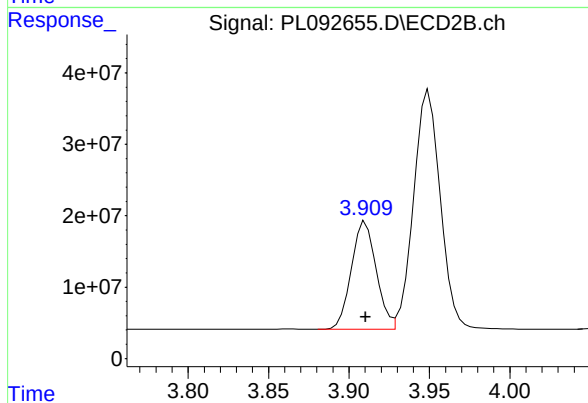
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 384085790
Conc: 102.97 ng/ml



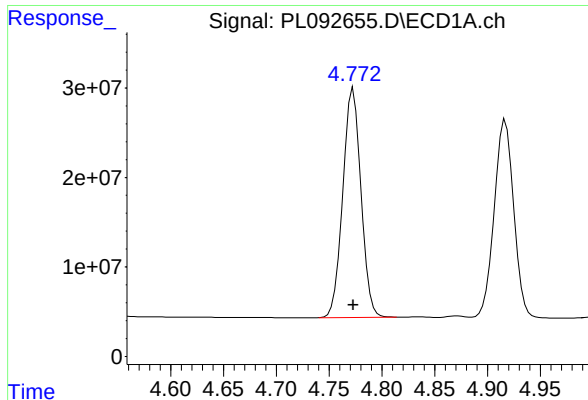
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 134325717
Conc: 99.07 ng/ml



#6 beta-BHC

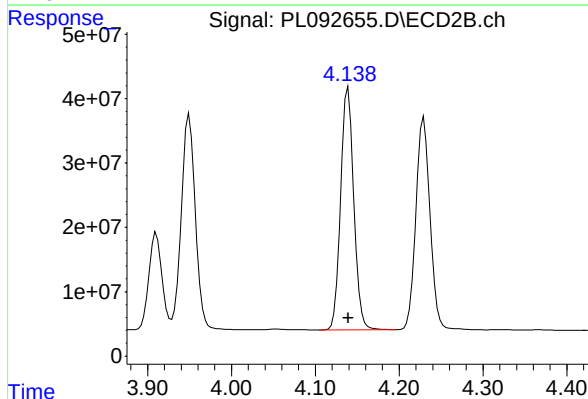
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 162514639
Conc: 101.06 ng/ml



#7 delta-BHC

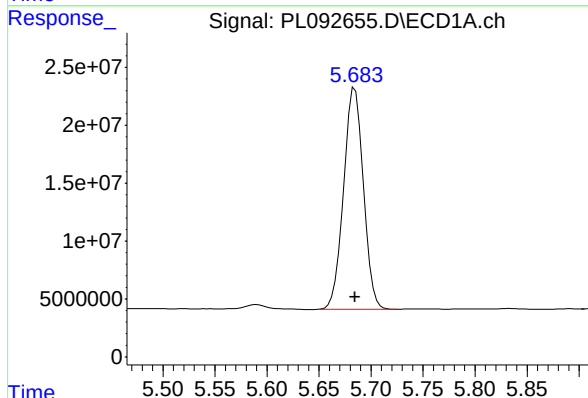
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 306766097
Conc: 101.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



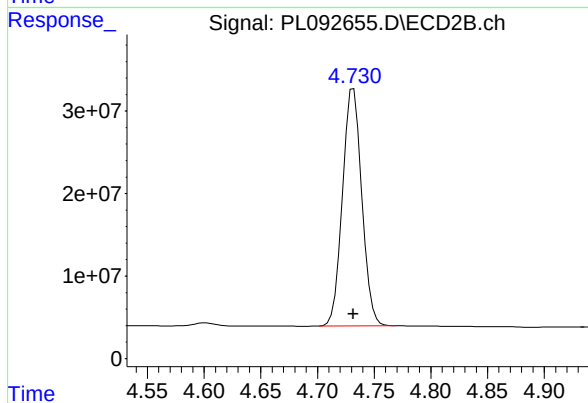
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 408799888
Conc: 103.62 ng/ml



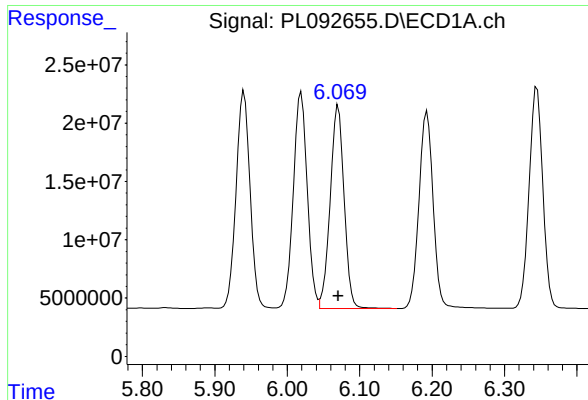
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 253624152
Conc: 99.41 ng/ml



#8 Heptachlor epoxide

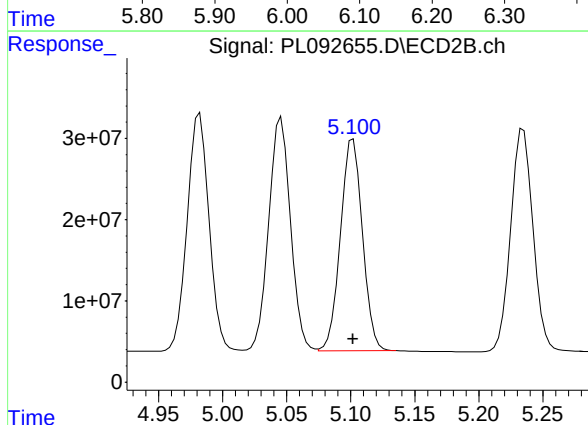
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 340541843
Conc: 102.00 ng/ml



#9 Endosulfan I

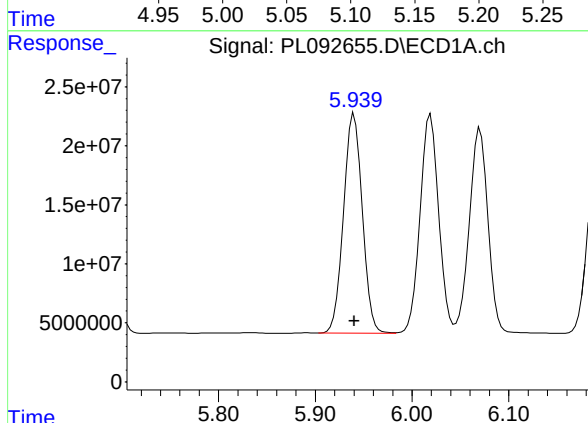
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 232069097
Conc: 99.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



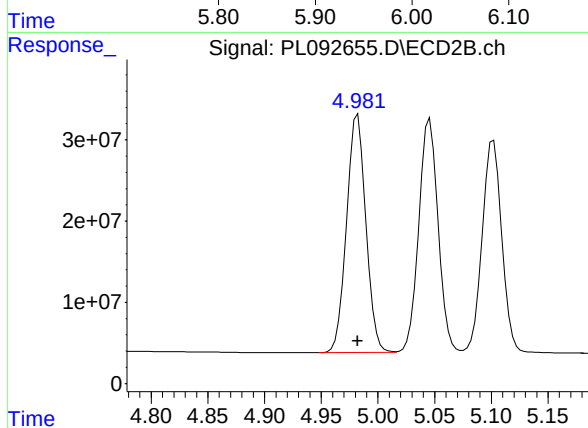
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 311148407
Conc: 101.93 ng/ml



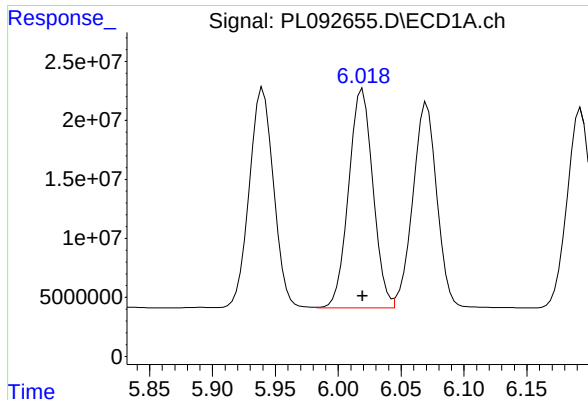
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 249670088
Conc: 100.10 ng/ml



#10 gamma-Chlordane

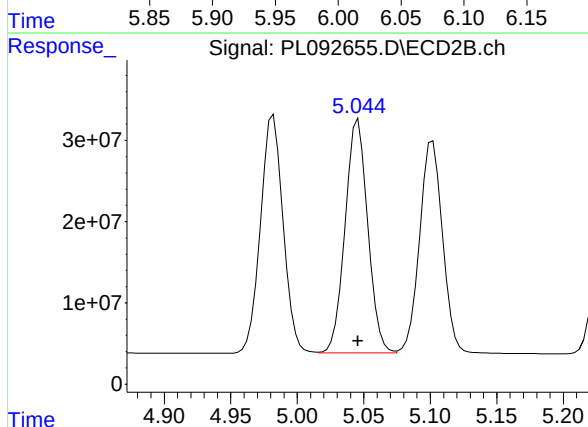
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 347022906
Conc: 102.60 ng/ml



#11 alpha-Chlordane

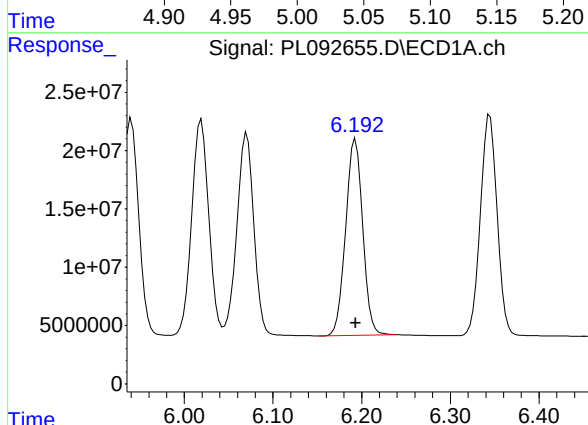
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 248663990
Conc: 99.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



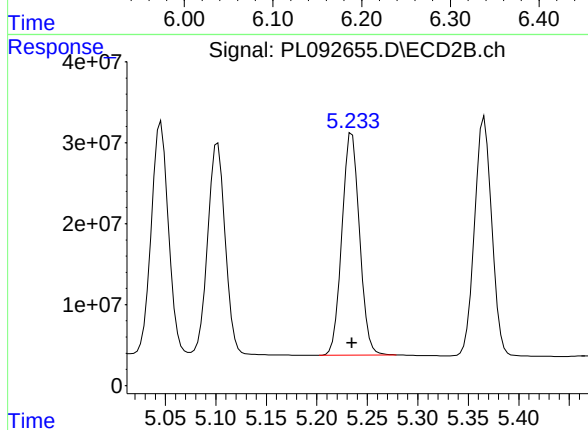
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 340930797
Conc: 102.32 ng/ml



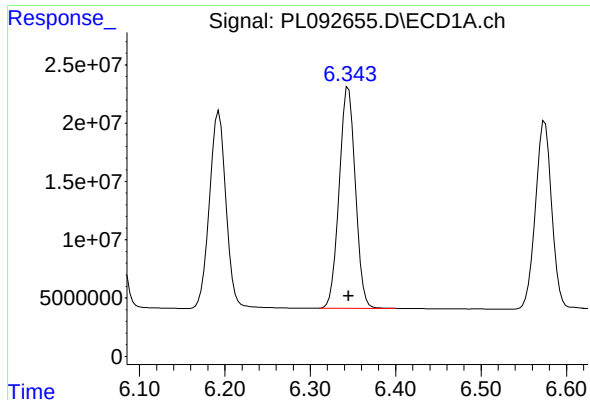
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 225406860
Conc: 100.54 ng/ml



#12 4,4'-DDE

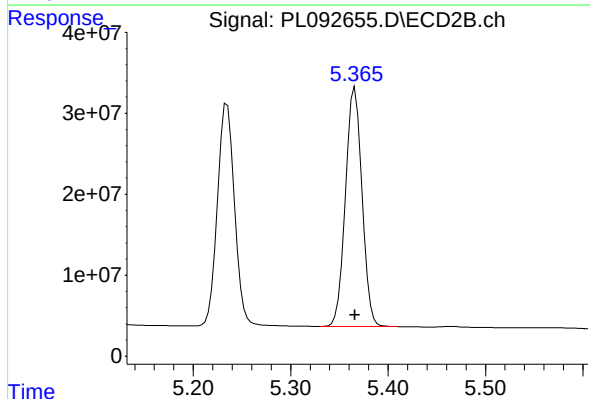
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 333498647
Conc: 102.77 ng/ml



#13 Dieldrin

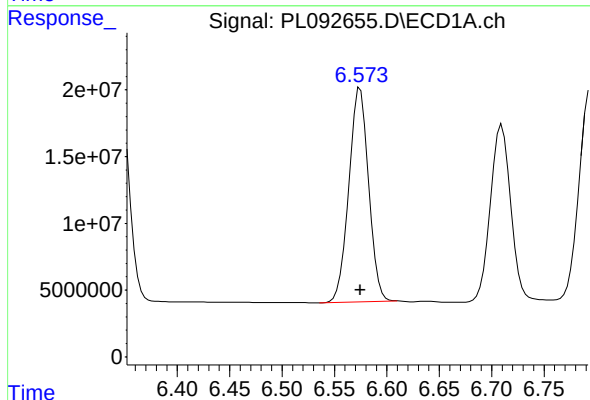
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 248692812
Conc: 100.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



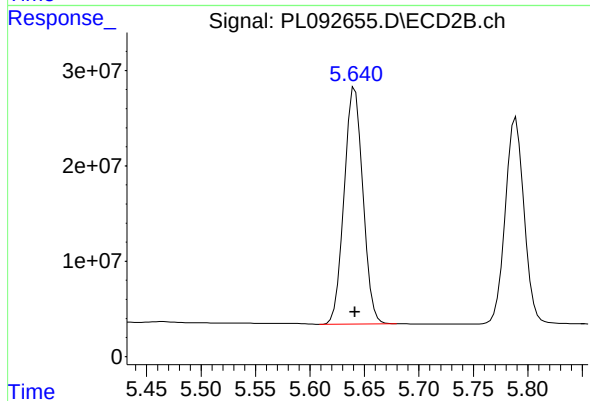
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 348337491
Conc: 102.85 ng/ml



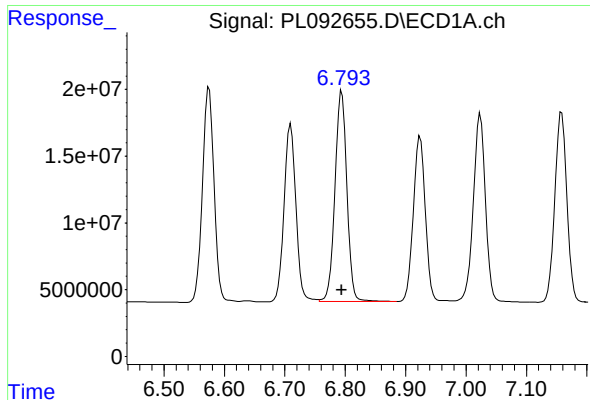
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 211154494
Conc: 99.77 ng/ml



#14 Endrin

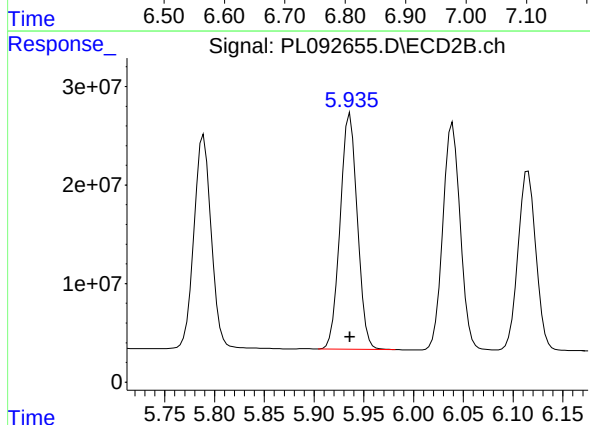
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 296949303
Conc: 102.44 ng/ml



#15 Endosulfan II

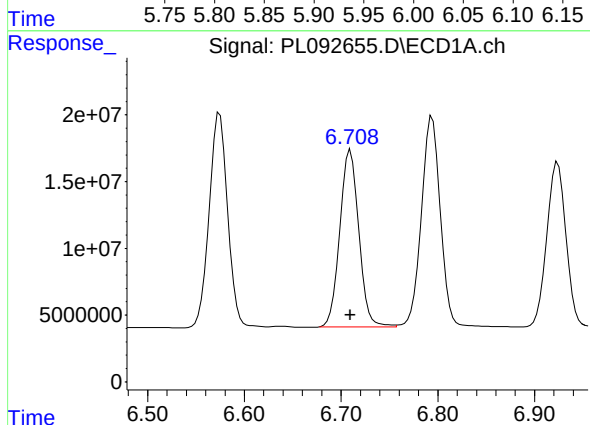
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 215987508
Conc: 98.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



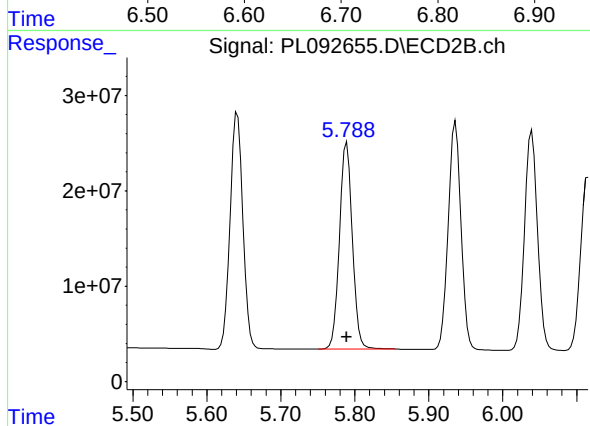
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 288151775
Conc: 101.79 ng/ml



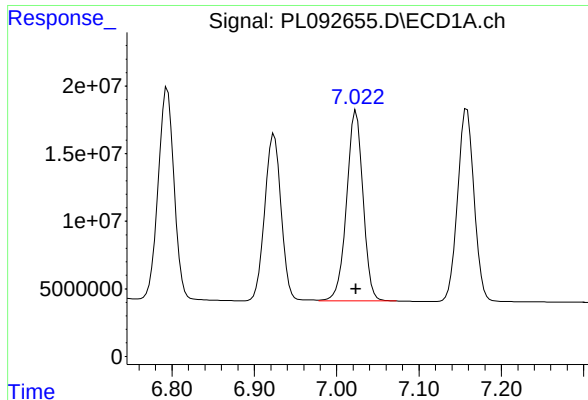
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 181027010
Conc: 99.79 ng/ml



#16 4,4'-DDD

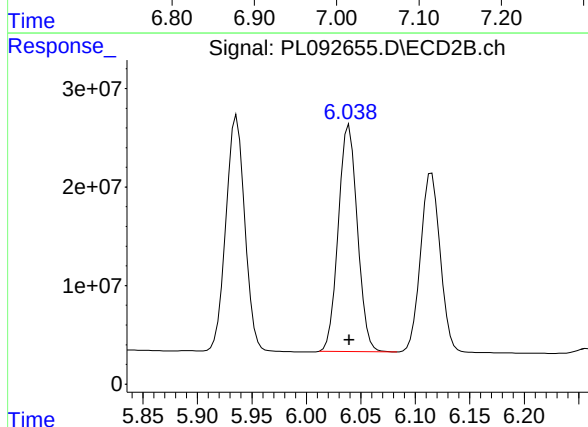
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 261488294
Conc: 103.39 ng/ml



#17 4,4'-DDT

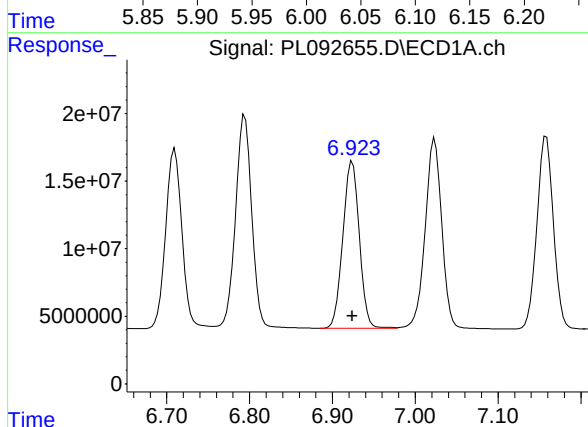
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 194893857
Conc: 100.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



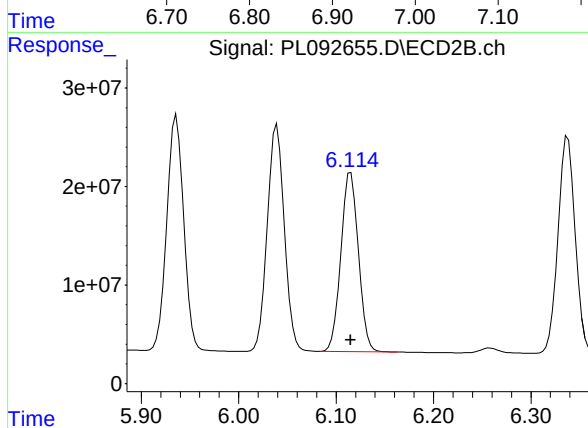
#17 4,4'-DDT

R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 279749987
Conc: 102.95 ng/ml



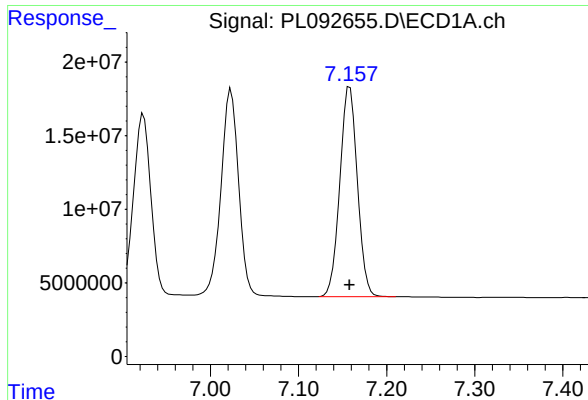
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 171230493
Conc: 98.68 ng/ml



#18 Endrin aldehyde

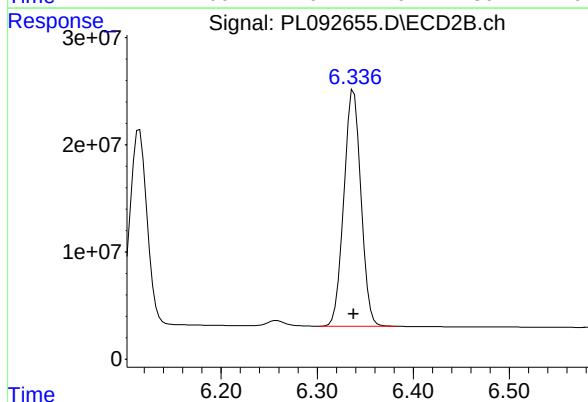
R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 227370485
Conc: 100.97 ng/ml



#19 Endosulfan Sulfate

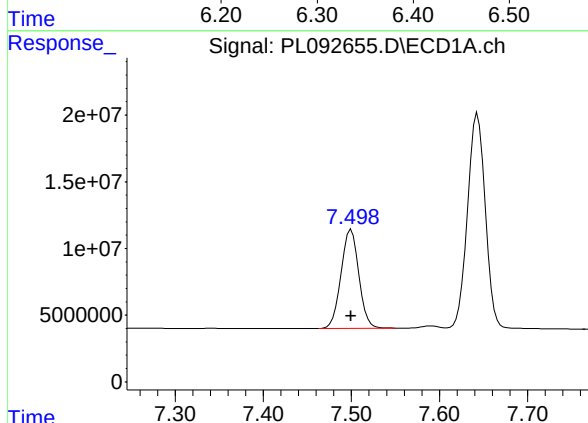
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 197413839
Conc: 98.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



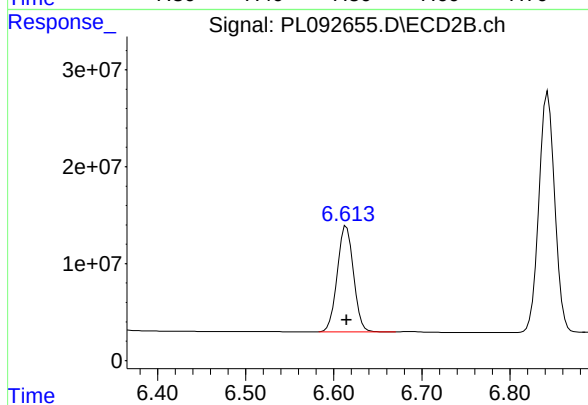
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 270752584
Conc: 101.57 ng/ml



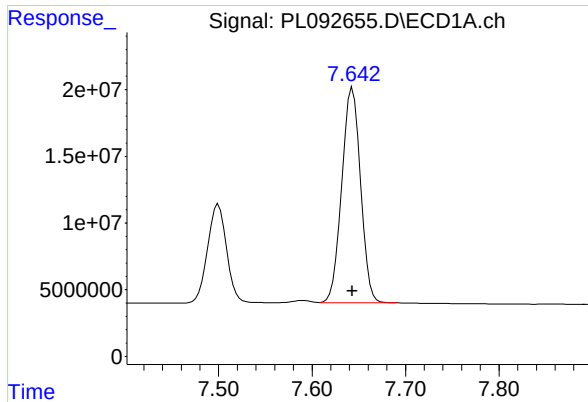
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 104053245
Conc: 98.22 ng/ml



#20 Methoxychlor

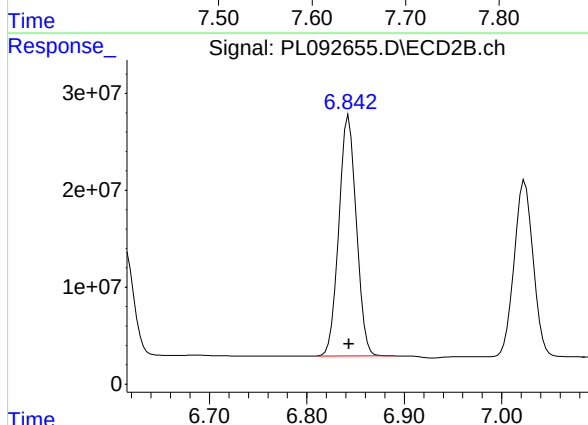
R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 140081963
Conc: 100.25 ng/ml



#21 Endrin ketone

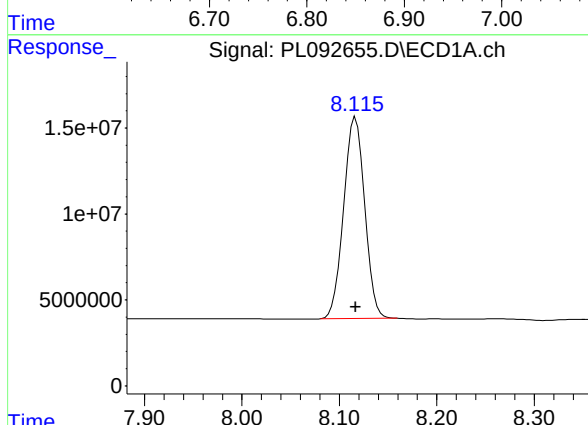
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 225383406
Conc: 99.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



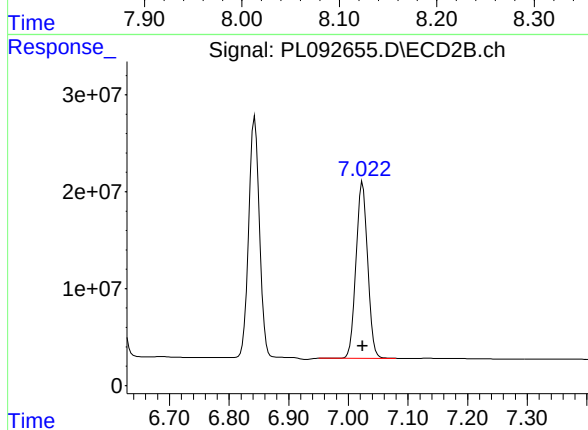
#21 Endrin ketone

R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 308979182
Conc: 101.26 ng/ml



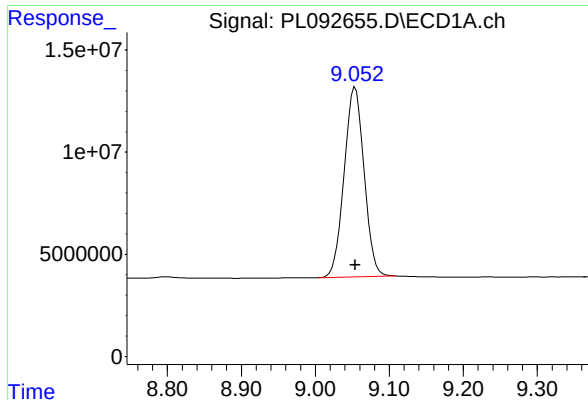
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 176088289
Conc: 97.64 ng/ml



#22 Mirex

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 246636852
Conc: 99.46 ng/ml

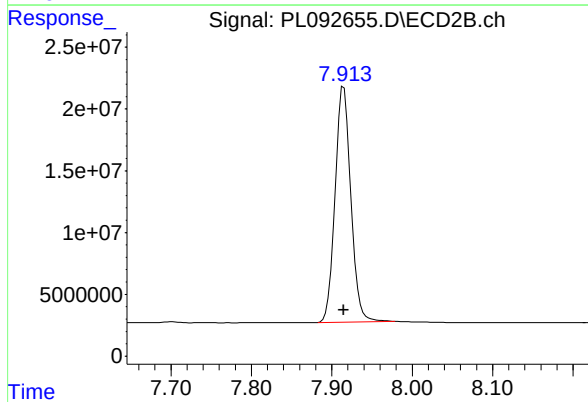


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 173884466
Conc: 97.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 260680539
Conc: 100.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
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: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	172.8E6	199.6E6	74.573	74.581
28) SA Decachlor...	9.054	7.916	131.7E6	193.2E6	74.361	74.409
Target Compounds						
2) A alpha-BHC	3.996	3.281	245.4E6	306.7E6	74.672	74.526
3) MA gamma-BHC...	4.328	3.611	235.0E6	295.1E6	74.703	74.690
4) MA Heptachlor	4.917	3.950	209.7E6	282.5E6	74.508	74.655
5) MB Aldrin	5.259	4.230	210.2E6	277.9E6	74.567	74.665
6) B beta-BHC	4.526	3.911	100.4E6	119.6E6	74.376	74.585
7) B delta-BHC	4.773	4.140	223.5E6	294.4E6	74.528	74.738
8) B Heptachlo...	5.685	4.733	189.1E6	248.9E6	74.414	74.698
9) A Endosulfan I	6.070	5.103	173.5E6	227.5E6	74.558	74.676
10) B gamma-Chl...	5.941	4.982	185.8E6	251.7E6	74.671	74.608
11) B alpha-Chl...	6.019	5.047	185.2E6	247.8E6	74.613	74.571
12) B 4,4'-DDE	6.193	5.235	167.0E6	241.9E6	74.650	74.705
13) MA Dieldrin	6.345	5.366	184.3E6	252.3E6	74.504	74.669
14) MA Endrin	6.575	5.642	157.7E6	215.9E6	74.683	74.647
15) B Endosulfa...	6.794	5.937	162.1E6	211.0E6	74.503	74.700
16) A 4,4'-DDD	6.710	5.790	135.1E6	188.0E6	74.665	74.546
17) MA 4,4'-DDT	7.024	6.040	145.0E6	203.5E6	74.705	74.920
18) B Endrin al...	6.924	6.116	128.9E6	168.3E6	74.510	74.830
19) B Endosulfa...	7.159	6.339	148.5E6	198.5E6	74.498	74.635
20) A Methoxychlor	7.500	6.615	78815004	103.9E6	74.596	74.572
21) B Endrin ke...	7.643	6.844	168.5E6	226.7E6	74.619	74.533
22) Mirex	8.117	7.024	133.9E6	183.5E6	74.491	74.331

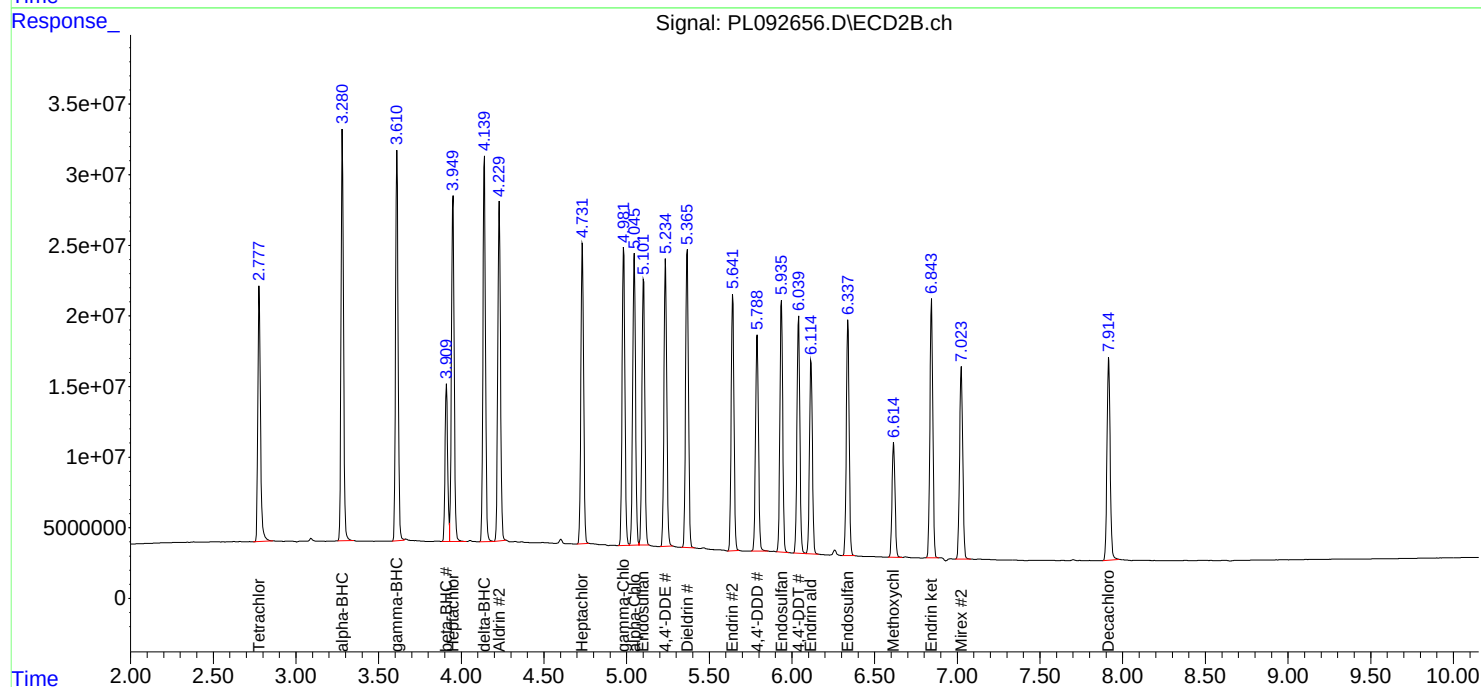
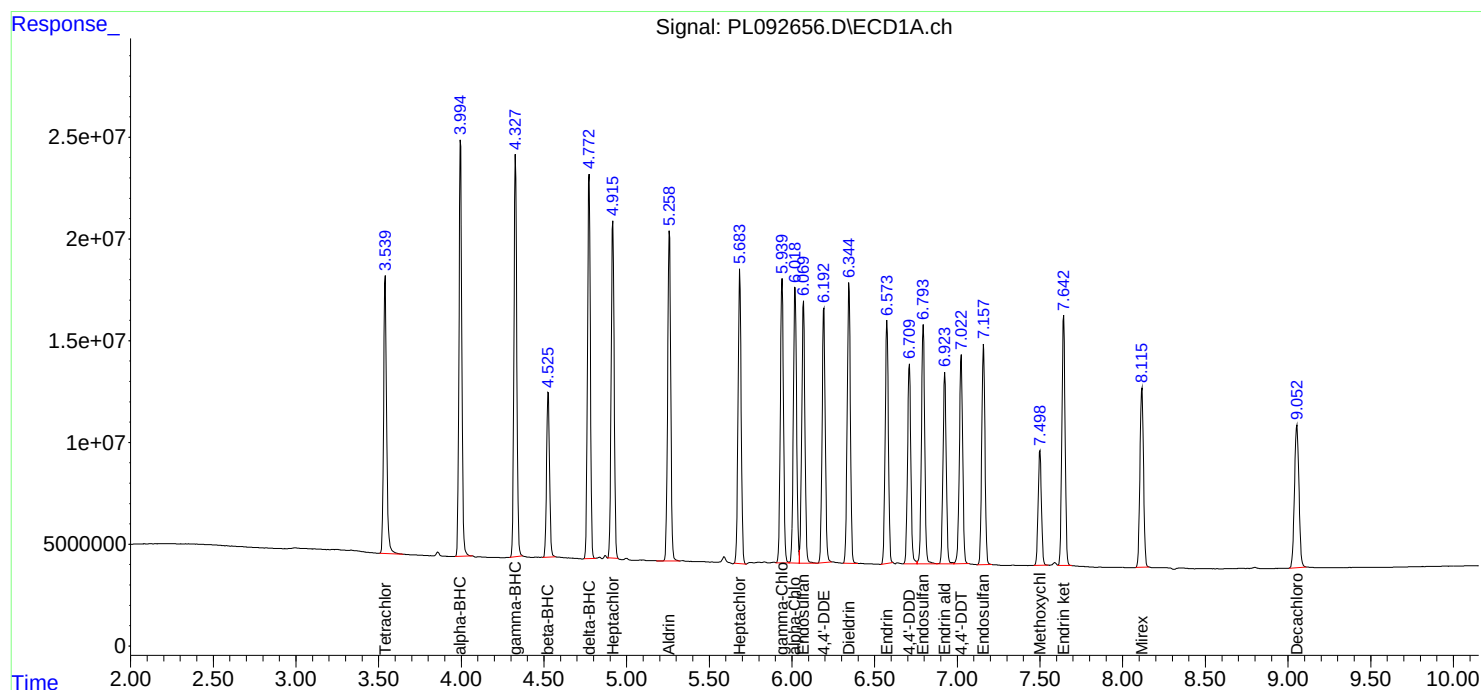
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

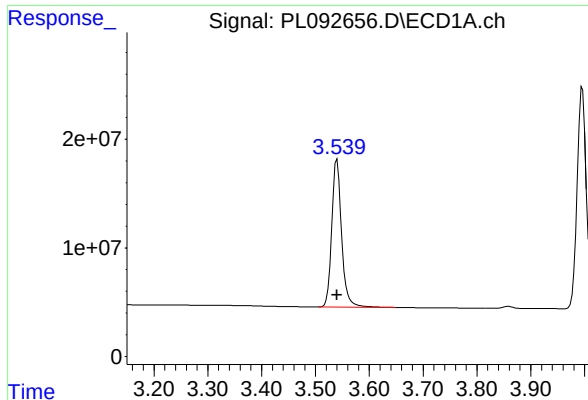
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

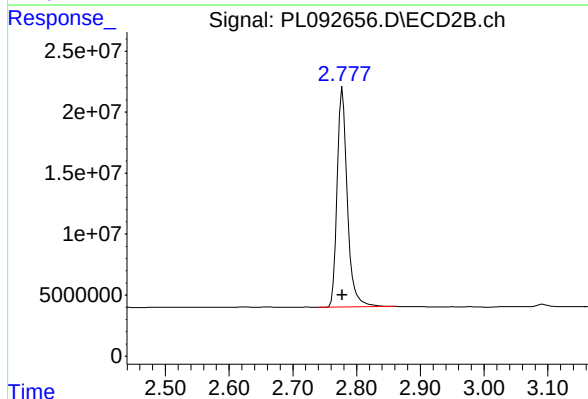




#1 Tetrachloro-m-xylene

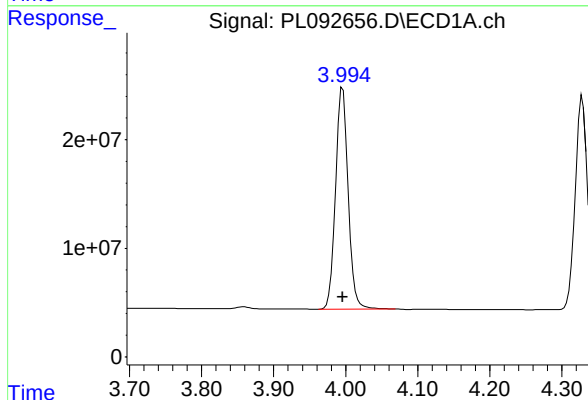
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 172805620
Conc: 74.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



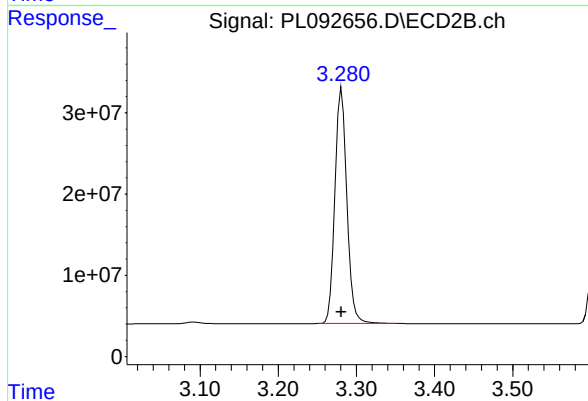
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 199616875
Conc: 74.58 ng/ml



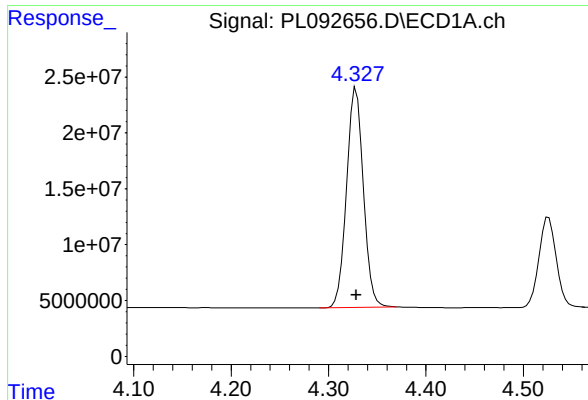
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 245391111
Conc: 74.67 ng/ml



#2 alpha-BHC

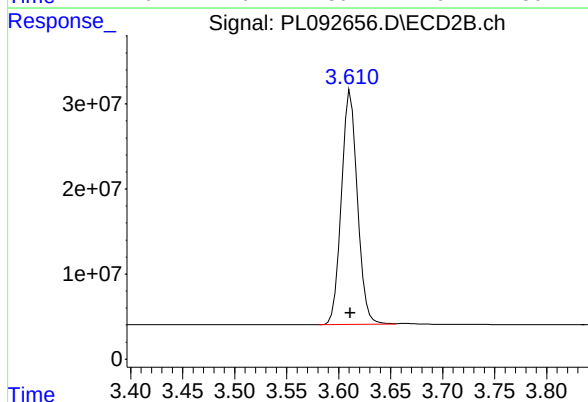
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 306687691
Conc: 74.53 ng/ml



#3 gamma-BHC (Lindane)

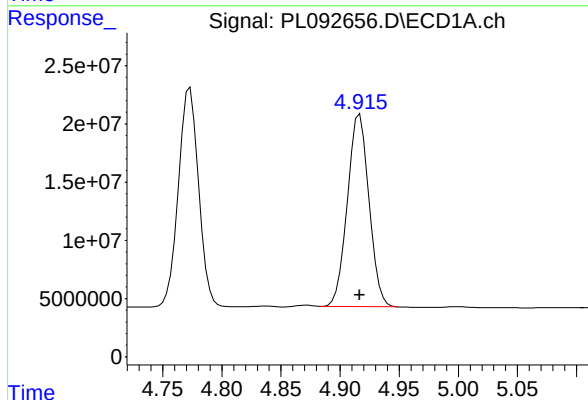
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 234976931
Conc: 74.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



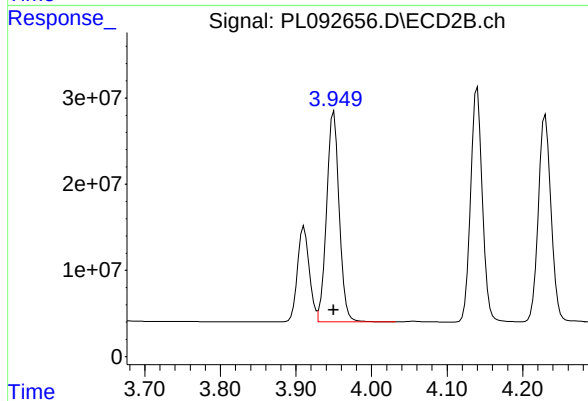
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 295082085
Conc: 74.69 ng/ml



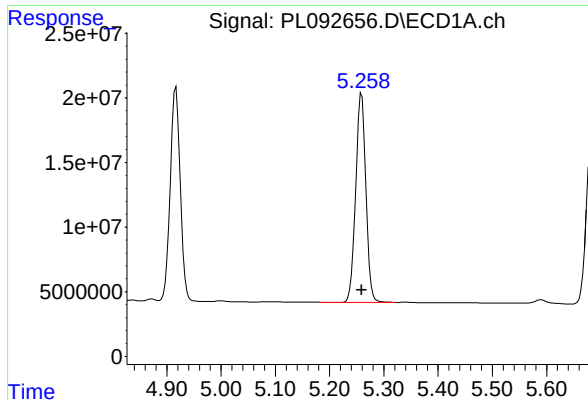
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 209667876
Conc: 74.51 ng/ml



#4 Heptachlor

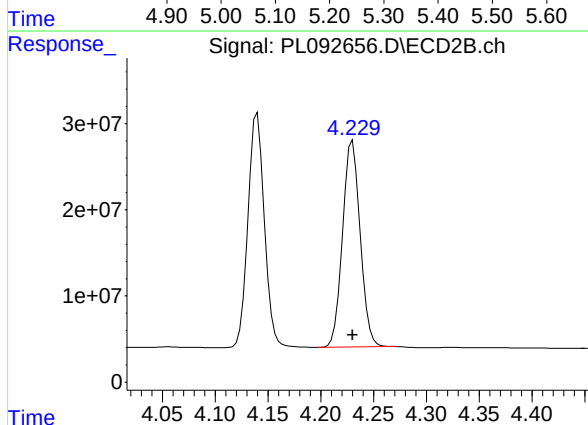
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 282493440
Conc: 74.66 ng/ml



#5 Aldrin

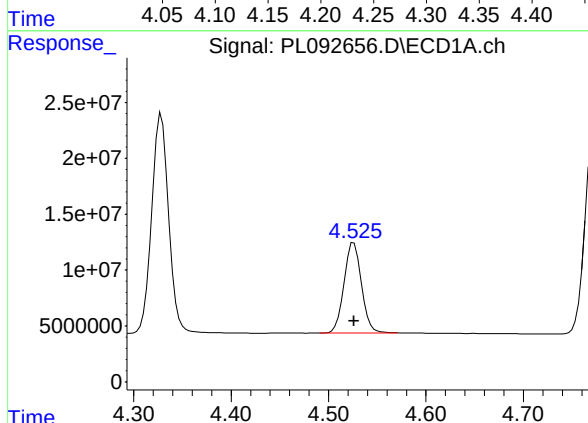
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 210224540
Conc: 74.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



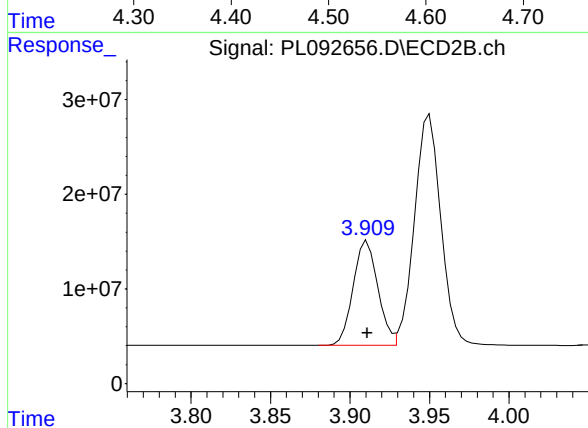
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 277880126
Conc: 74.66 ng/ml



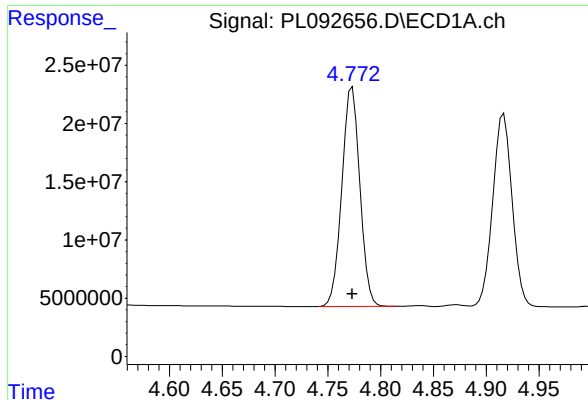
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 100428974
Conc: 74.38 ng/ml



#6 beta-BHC

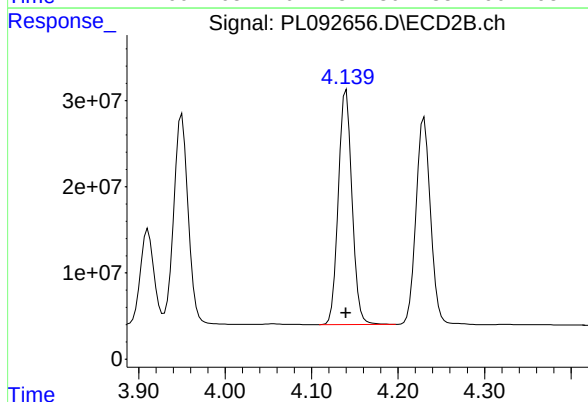
R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 119612684
Conc: 74.58 ng/ml



#7 delta-BHC

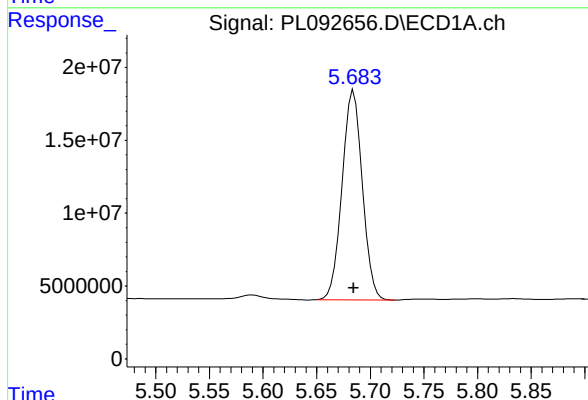
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 223502645
Conc: 74.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



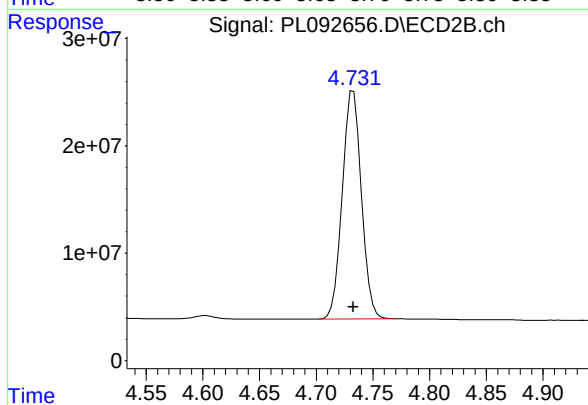
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 294354549
Conc: 74.74 ng/ml



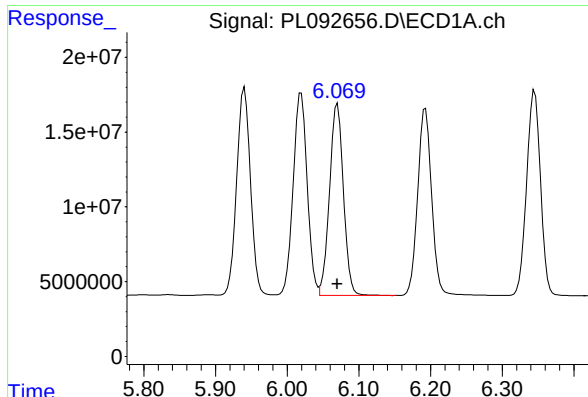
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 189114577
Conc: 74.41 ng/ml



#8 Heptachlor epoxide

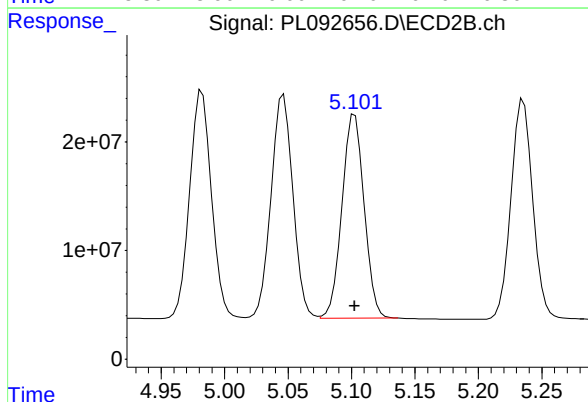
R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 248897410
Conc: 74.70 ng/ml



#9 Endosulfan I

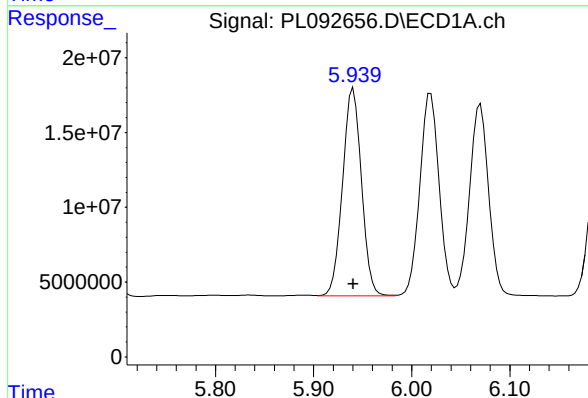
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 173546263
Conc: 74.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



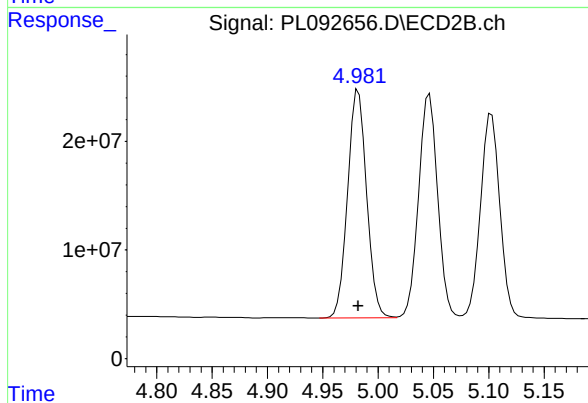
#9 Endosulfan I

R.T.: 5.103 min
Delta R.T.: 0.000 min
Response: 227458228
Conc: 74.68 ng/ml



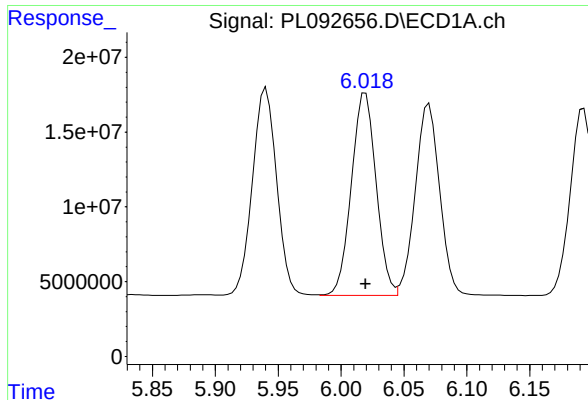
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 185846742
Conc: 74.67 ng/ml



#10 gamma-Chlordane

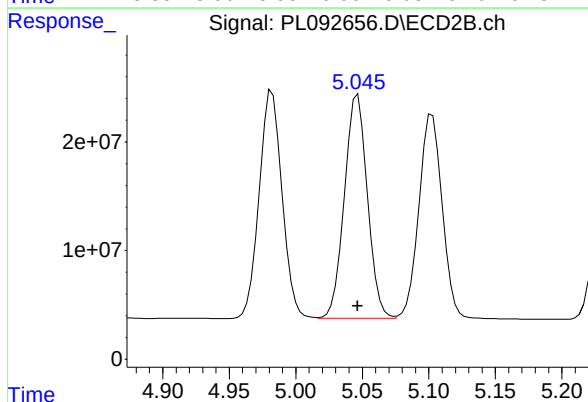
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 251678405
Conc: 74.61 ng/ml



#11 alpha-Chlordane

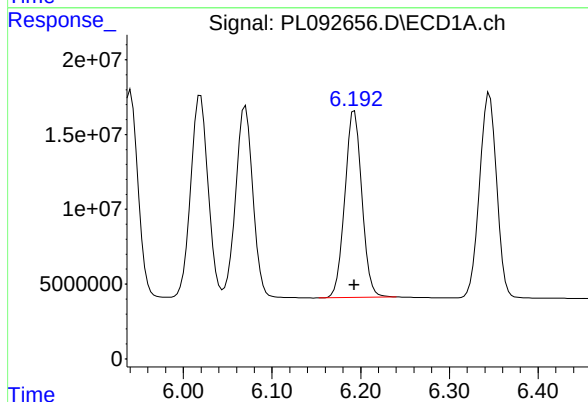
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 185181542
Conc: 74.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



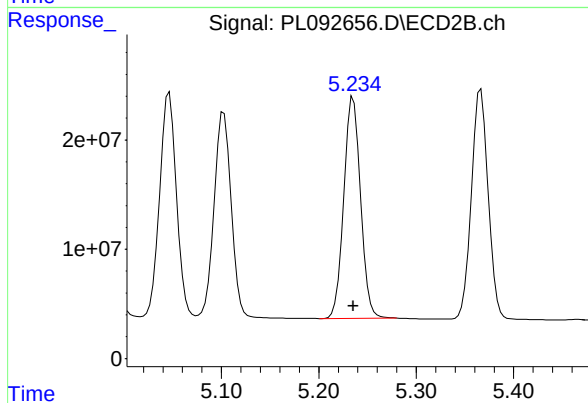
#11 alpha-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 247753766
Conc: 74.57 ng/ml



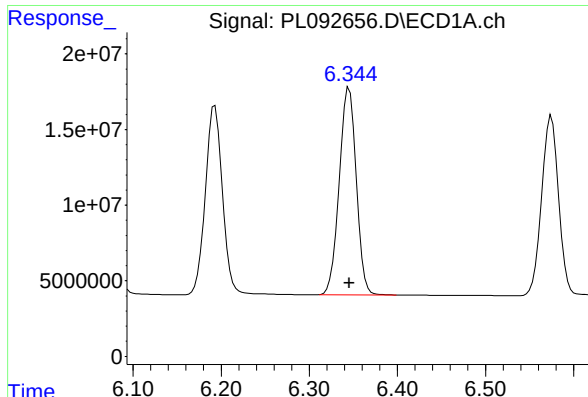
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 166979475
Conc: 74.65 ng/ml



#12 4,4'-DDE

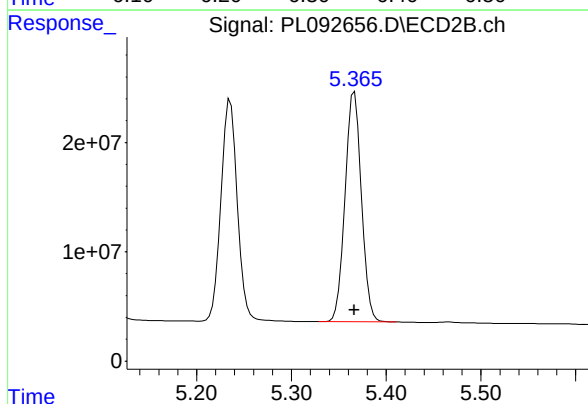
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 241941031
Conc: 74.71 ng/ml



#13 Dieldrin

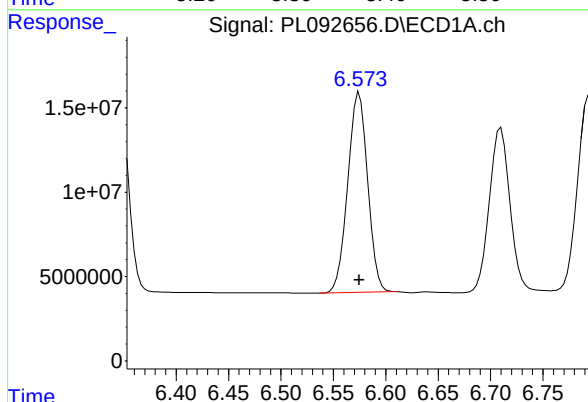
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 184272087
Conc: 74.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



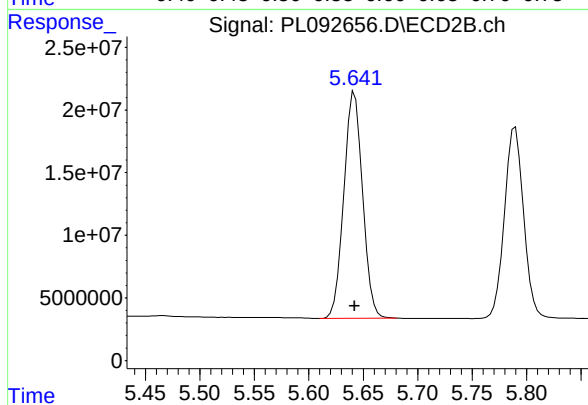
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 252329091
Conc: 74.67 ng/ml



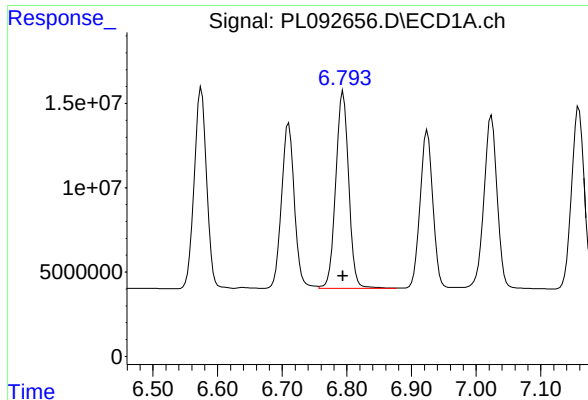
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 157724834
Conc: 74.68 ng/ml



#14 Endrin

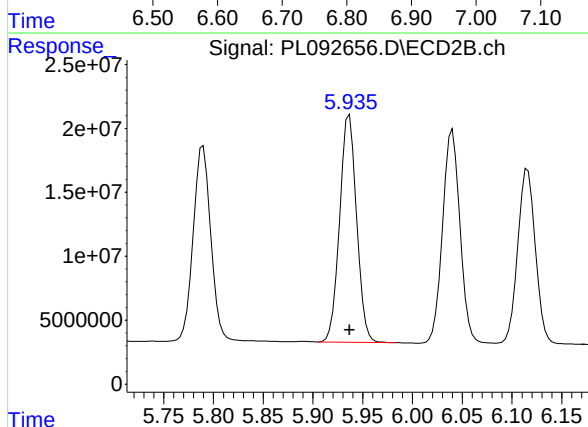
R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 215878333
Conc: 74.65 ng/ml



#15 Endosulfan II

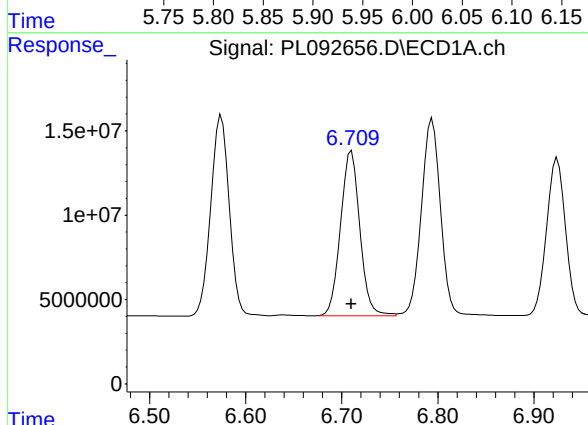
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 162069691
Conc: 74.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



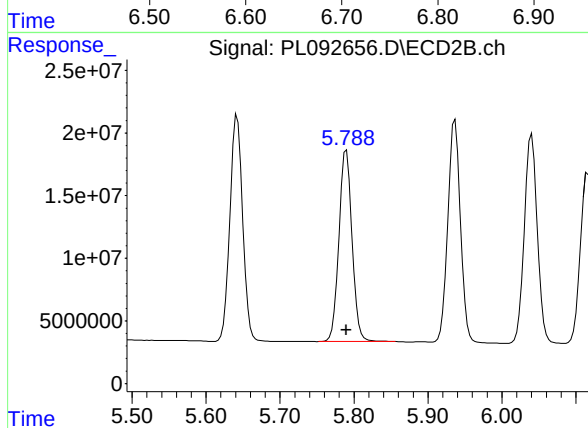
#15 Endosulfan II

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 211031406
Conc: 74.70 ng/ml



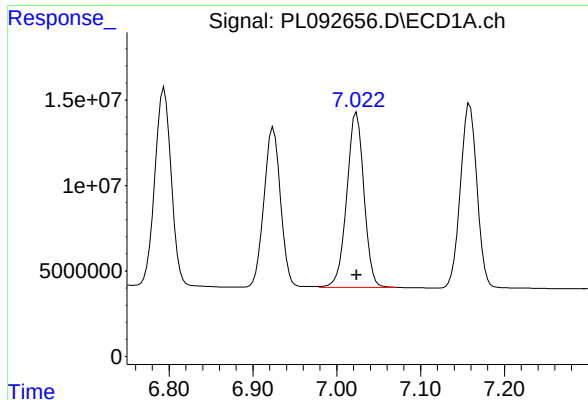
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 135148619
Conc: 74.66 ng/ml



#16 4,4'-DDD

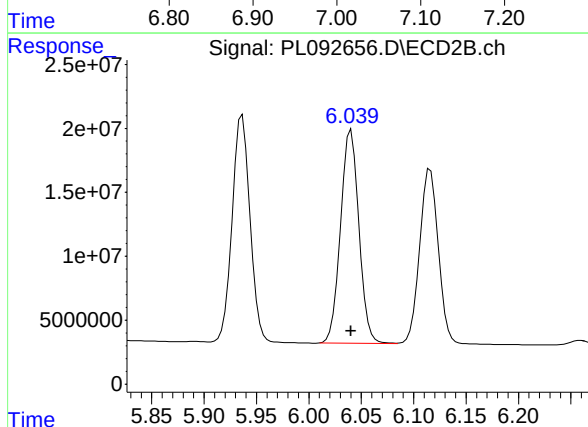
R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 187969014
Conc: 74.55 ng/ml



#17 4,4'-DDT

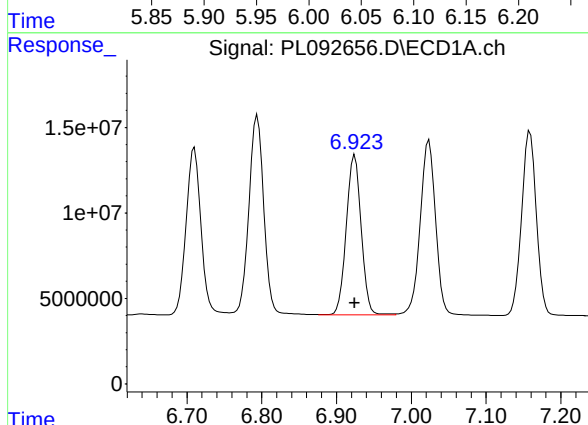
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 145003996
Conc: 74.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



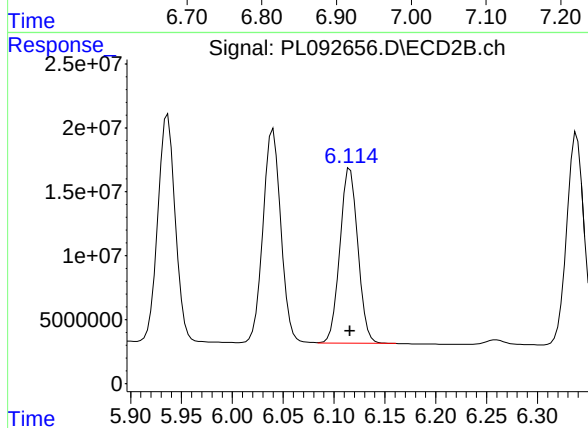
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 203478798
Conc: 74.92 ng/ml



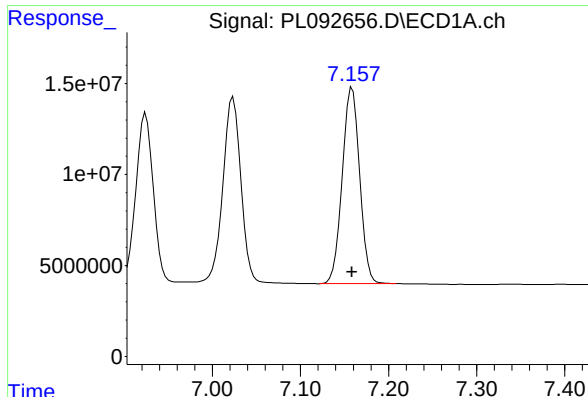
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 128870874
Conc: 74.51 ng/ml



#18 Endrin aldehyde

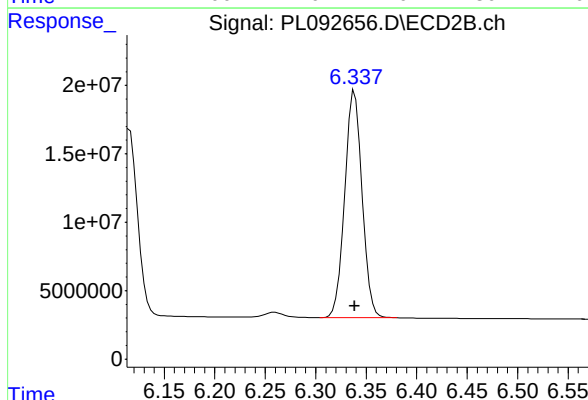
R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 168319074
Conc: 74.83 ng/ml



#19 Endosulfan Sulfate

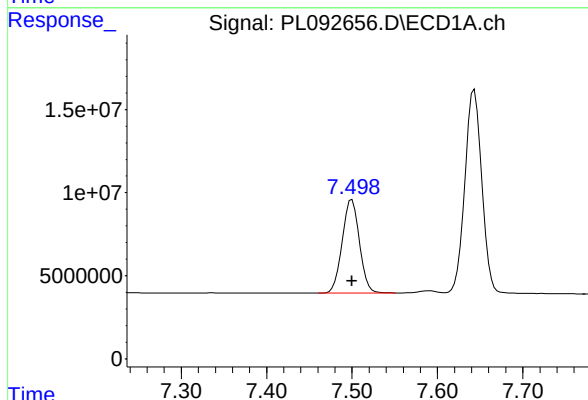
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 148457954
Conc: 74.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



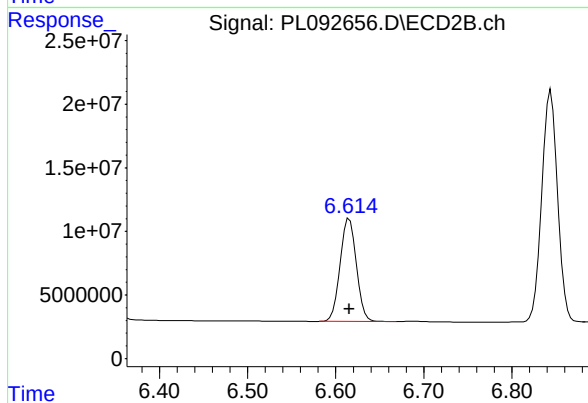
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 198465136
Conc: 74.64 ng/ml



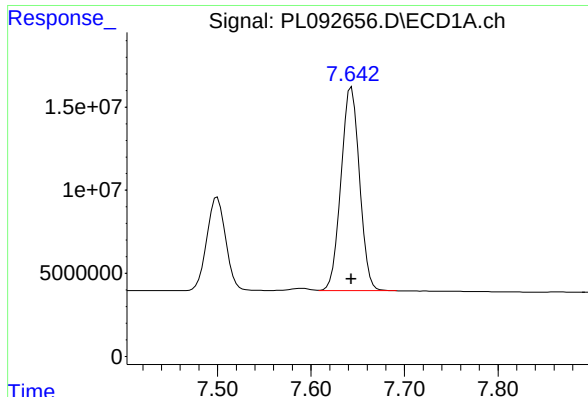
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 78815004
Conc: 74.60 ng/ml



#20 Methoxychlor

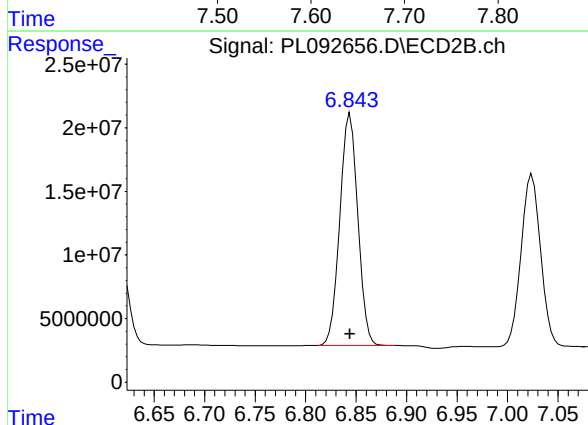
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 103909078
Conc: 74.57 ng/ml



#21 Endrin ketone

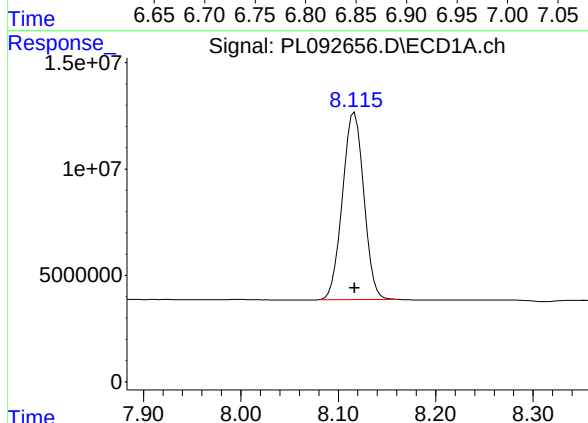
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 168499691
Conc: 74.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



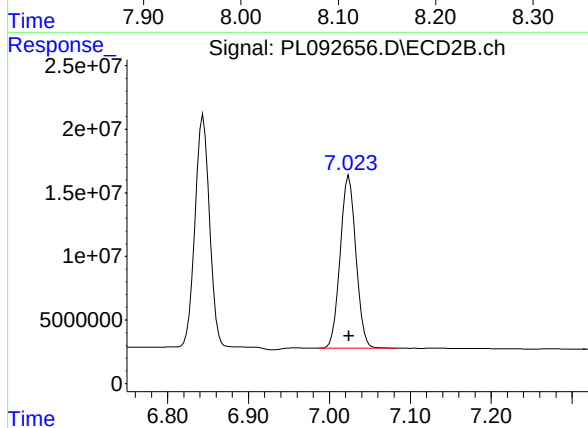
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 226728298
Conc: 74.53 ng/ml



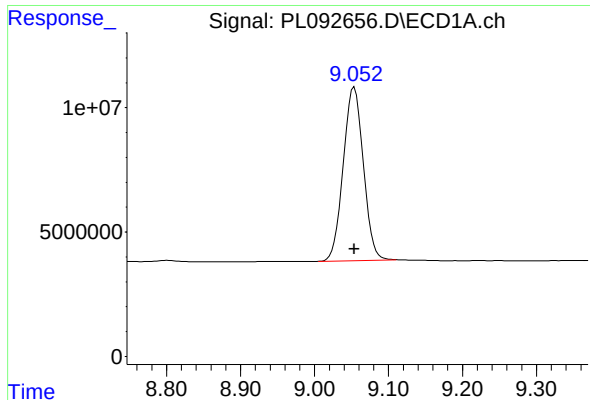
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 133885333
Conc: 74.49 ng/ml



#22 Mirex

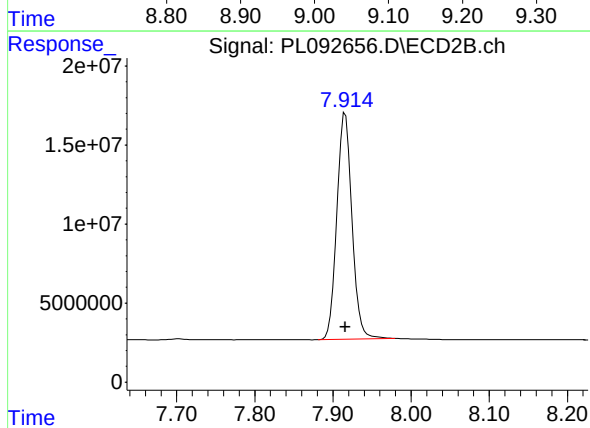
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 183495325
Conc: 74.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 131747557
Conc: 74.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 193162357
Conc: 74.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
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: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	116.4E6	132.2E6	50.000	50.000
28) SA Decachlor...	9.054	7.916	90985898	130.3E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.996	3.281	161.5E6	198.7E6	50.000	50.000
3) MA gamma-BHC...	4.328	3.611	155.2E6	191.7E6	50.000	50.000
4) MA Heptachlor	4.917	3.949	141.5E6	185.5E6	50.000	50.000
5) MB Aldrin	5.258	4.229	140.4E6	181.0E6	50.000	50.000
6) B beta-BHC	4.525	3.910	68426712	79558092	50.000	50.000
7) B delta-BHC	4.772	4.139	147.5E6	190.1E6	50.000	50.000
8) B Heptachlo...	5.684	4.732	128.3E6	163.6E6	50.000	50.000
9) A Endosulfan I	6.070	5.102	117.4E6	149.7E6	50.000	50.000
10) B gamma-Chl...	5.941	4.982	124.6E6	164.7E6	50.000	50.000
11) B alpha-Chl...	6.019	5.045	124.5E6	162.7E6	50.000	50.000
12) B 4,4'-DDE	6.193	5.235	111.5E6	157.7E6	50.000	50.000
13) MA Dieldrin	6.345	5.366	123.8E6	164.5E6	50.000	50.000
14) MA Endrin	6.574	5.641	106.1E6	141.4E6	50.000	50.000
15) B Endosulfa...	6.794	5.936	110.3E6	139.0E6	50.000	50.000
16) A 4,4'-DDD	6.710	5.789	90898841	122.2E6	50.000	50.000
17) MA 4,4'-DDT	7.023	6.040	97035972	131.9E6	50.000	50.000
18) B Endrin al...	6.924	6.115	87908093	111.5E6	50.000	50.000
19) B Endosulfa...	7.158	6.338	101.2E6	131.2E6	50.000	50.000
20) A Methoxychlor	7.499	6.615	53913903	69696231	50.000	50.000
21) B Endrin ke...	7.643	6.843	113.7E6	150.7E6	50.000	50.000
22) Mirex	8.116	7.024	92300183	124.6E6	50.000	50.000

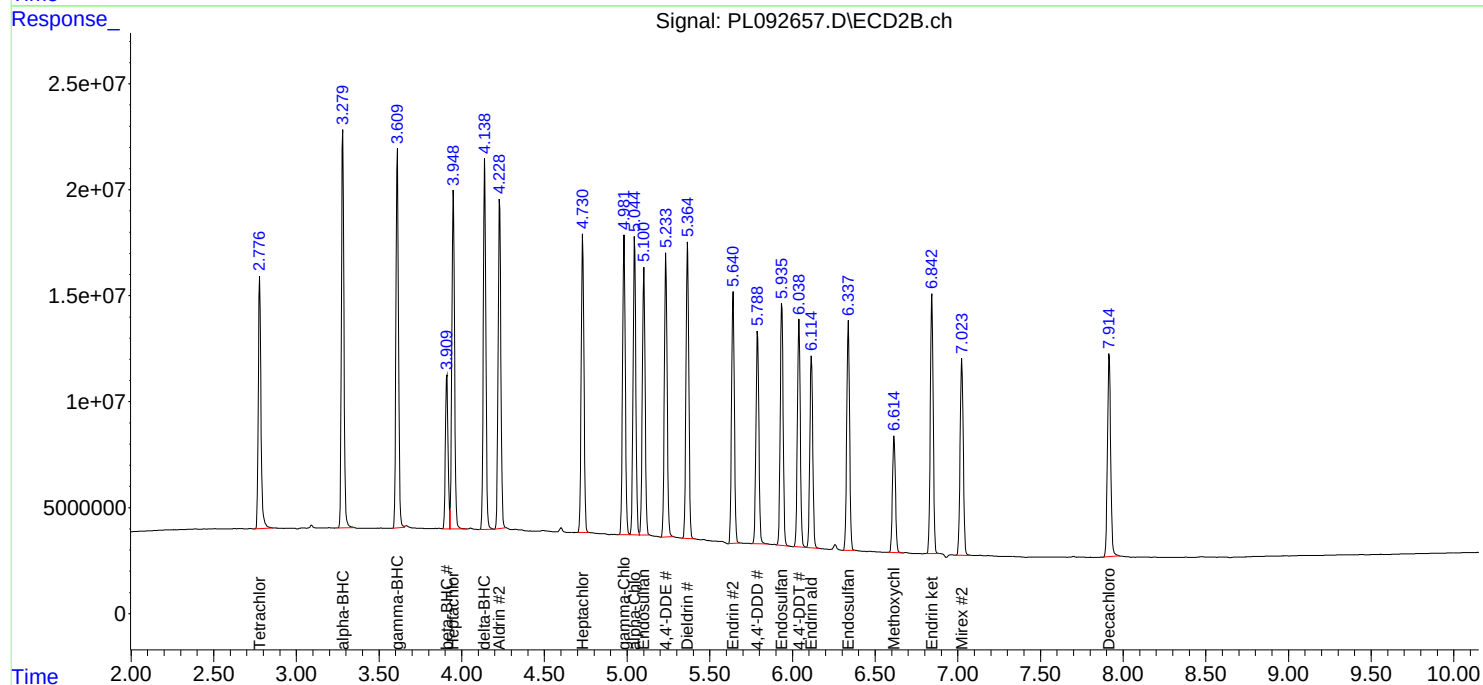
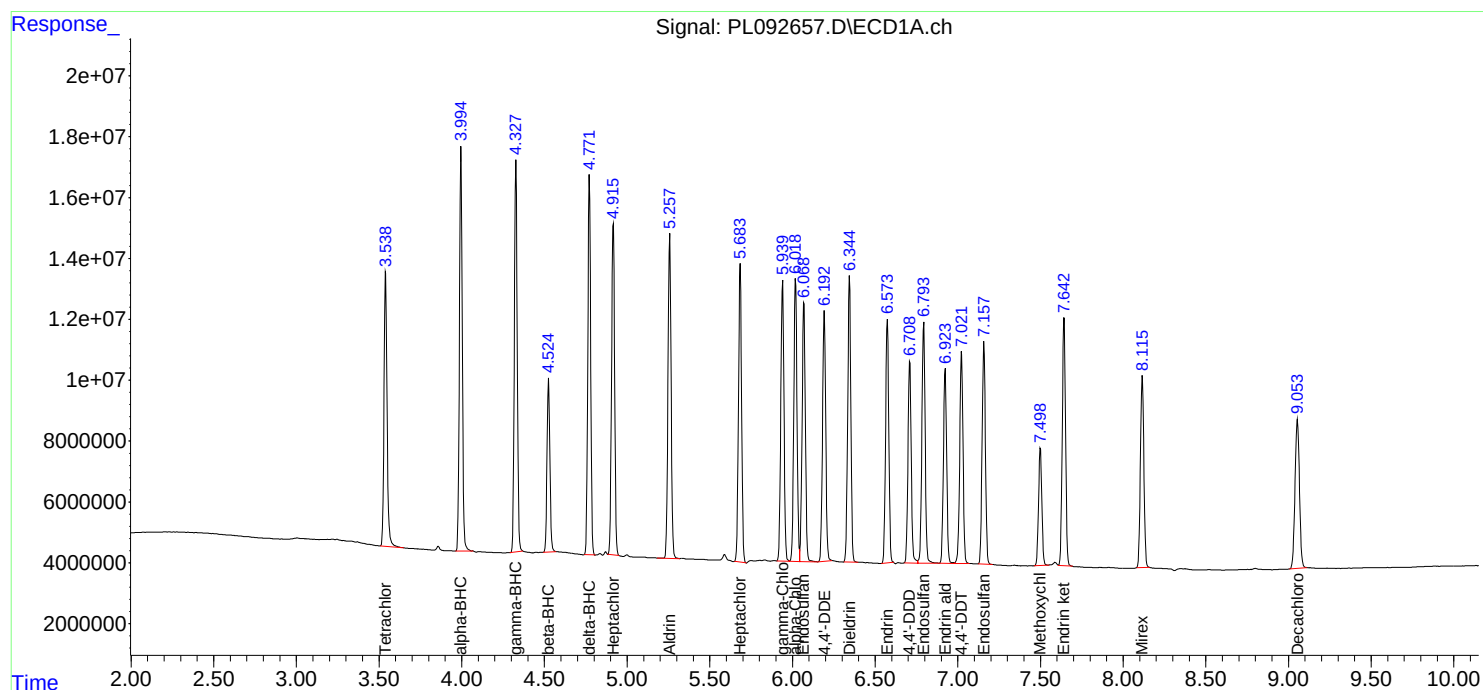
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

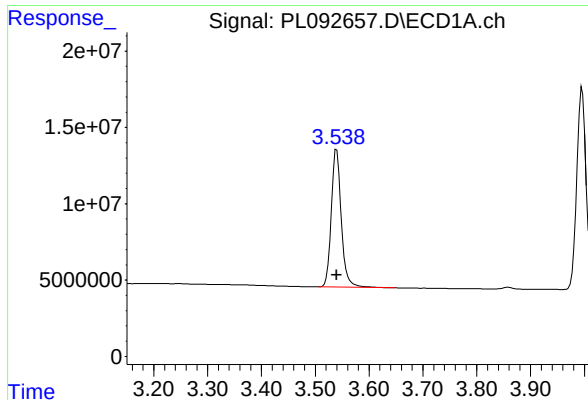
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

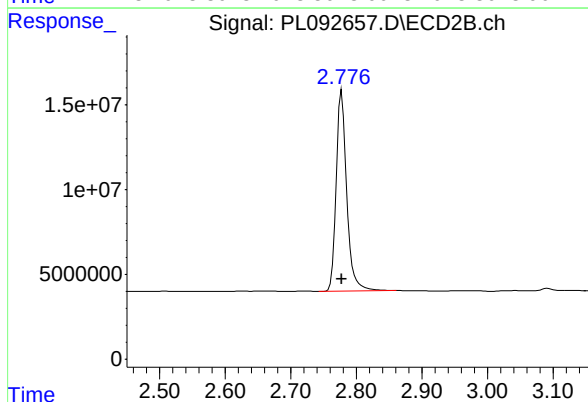




#1 Tetrachloro-m-xylene

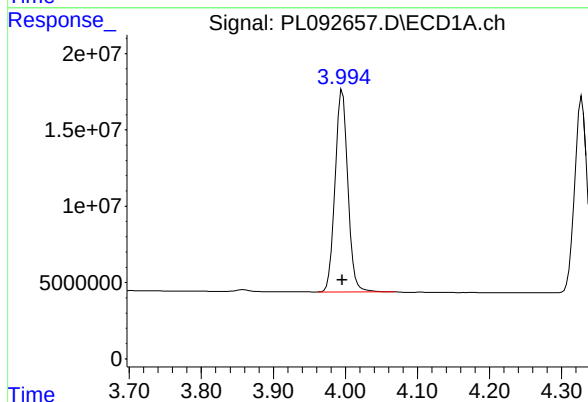
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 116421228
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



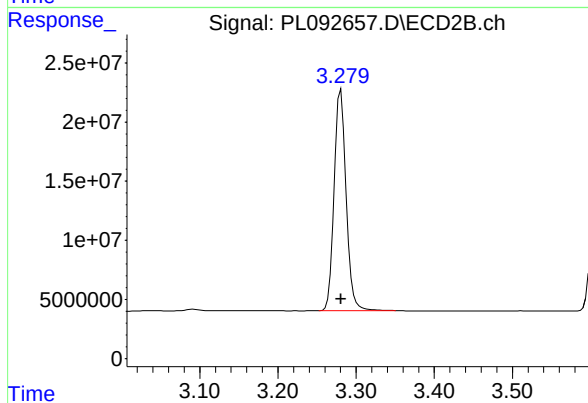
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 132158779
Conc: 50.00 ng/ml



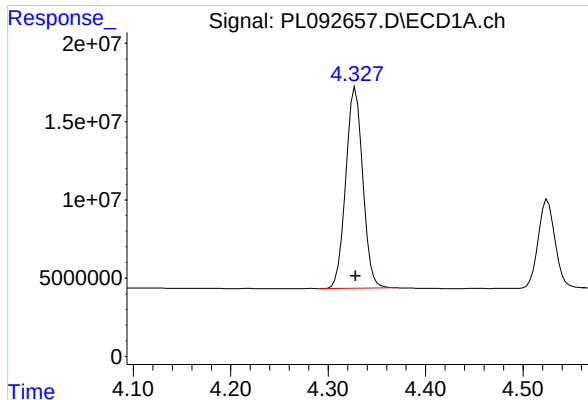
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 161519888
Conc: 50.00 ng/ml



#2 alpha-BHC

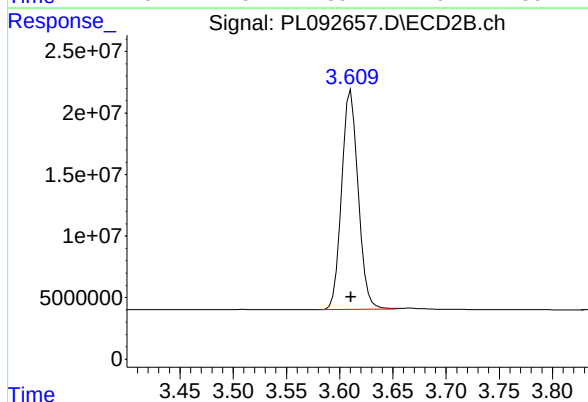
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 198693169
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

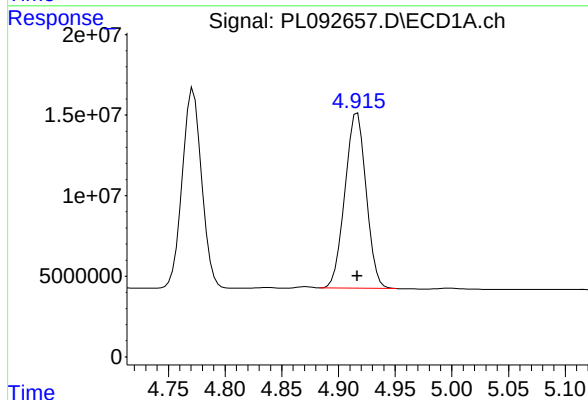
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 155221381
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



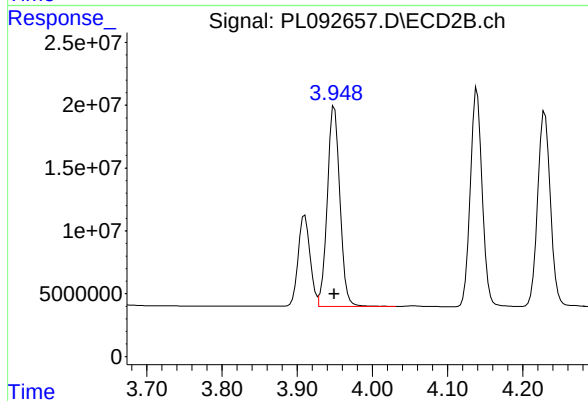
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 191696231
Conc: 50.00 ng/ml



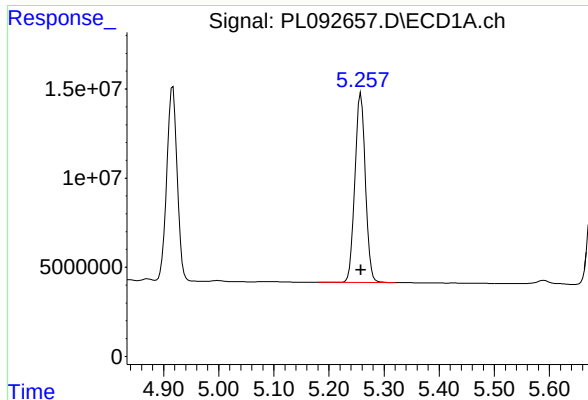
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 141460910
Conc: 50.00 ng/ml



#4 Heptachlor

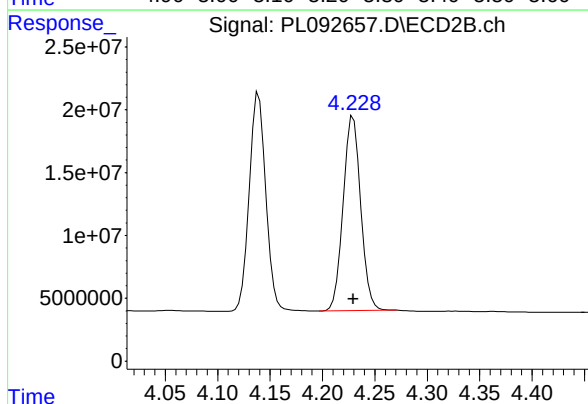
R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 185456226
Conc: 50.00 ng/ml



#5 Aldrin

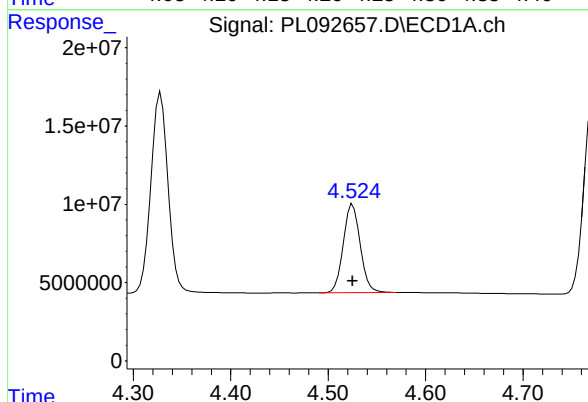
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 140364466
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



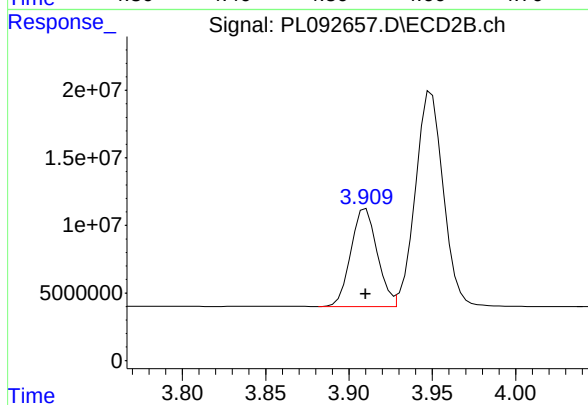
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 180959249
Conc: 50.00 ng/ml



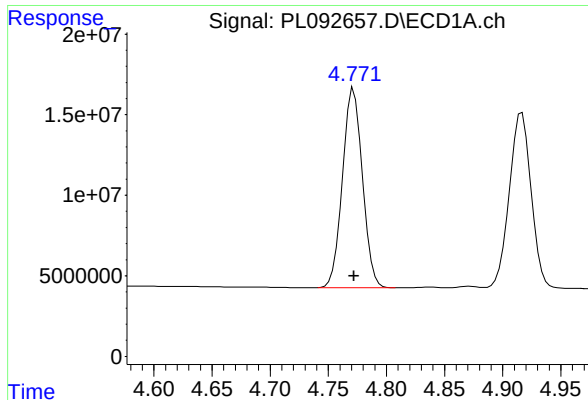
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 68426712
Conc: 50.00 ng/ml



#6 beta-BHC

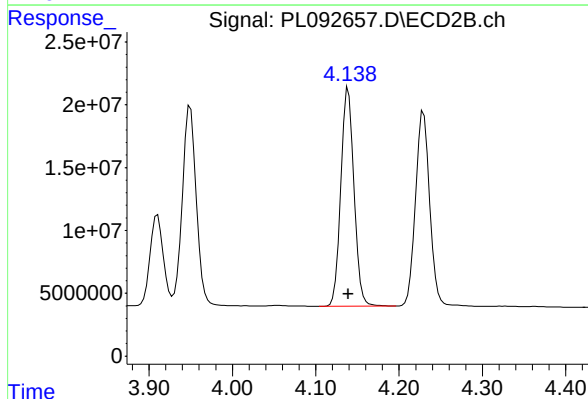
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 79558092
Conc: 50.00 ng/ml



#7 delta-BHC

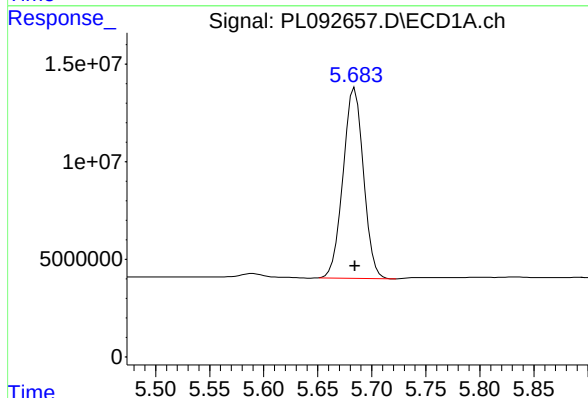
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 147450348
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



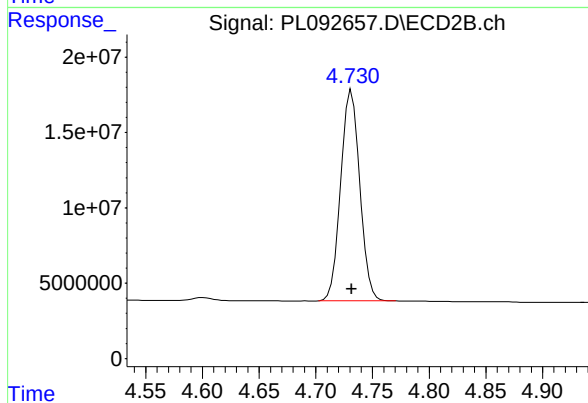
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 190133900
Conc: 50.00 ng/ml



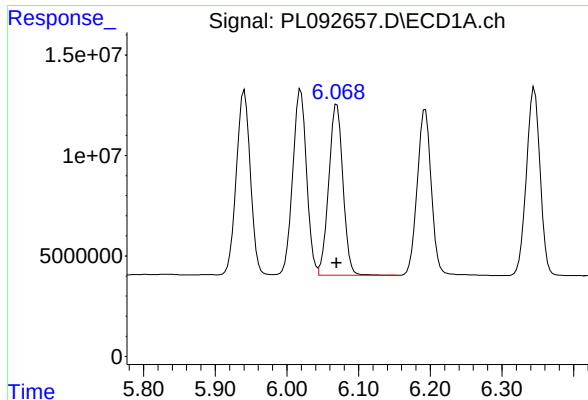
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 128320565
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

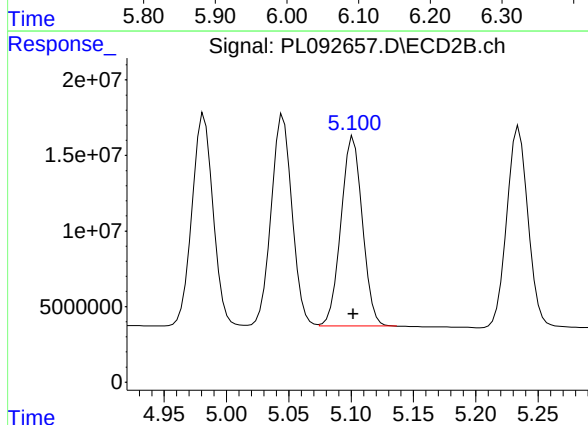
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 163604387
Conc: 50.00 ng/ml



#9 Endosulfan I

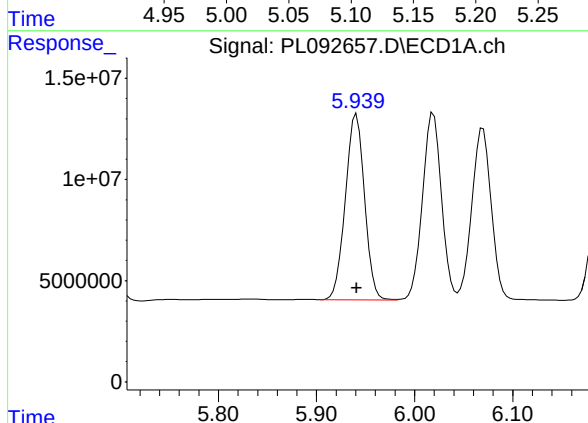
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 117418630
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



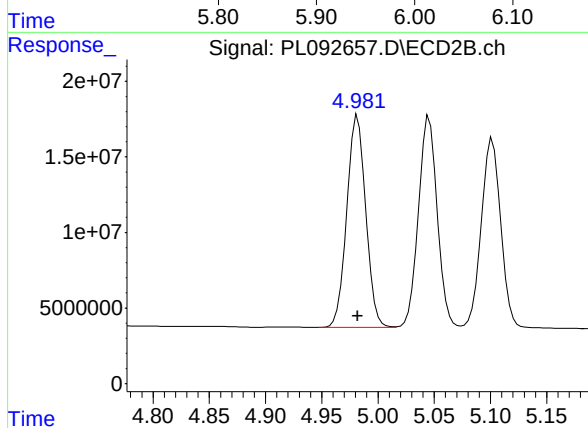
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 149679010
Conc: 50.00 ng/ml



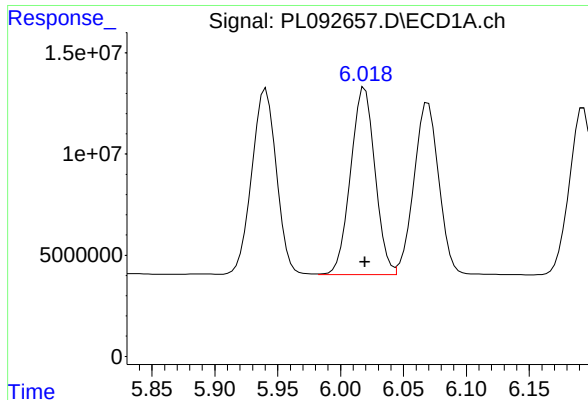
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 124597246
Conc: 50.00 ng/ml



#10 gamma-Chlordane

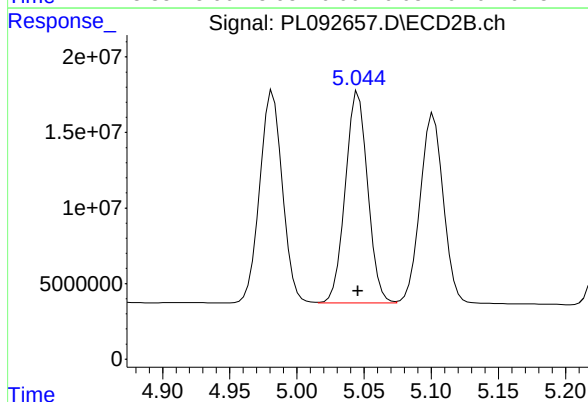
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 164701434
Conc: 50.00 ng/ml



#11 alpha-Chlordane

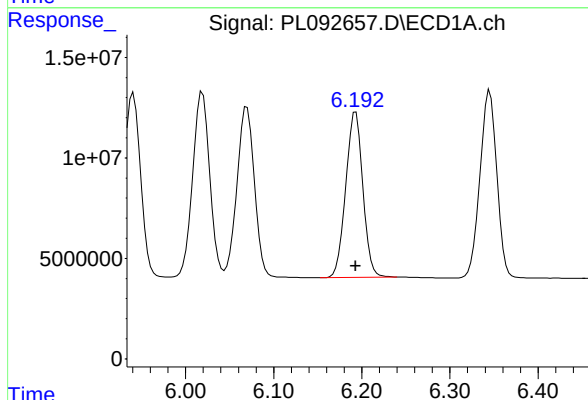
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 124497967
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



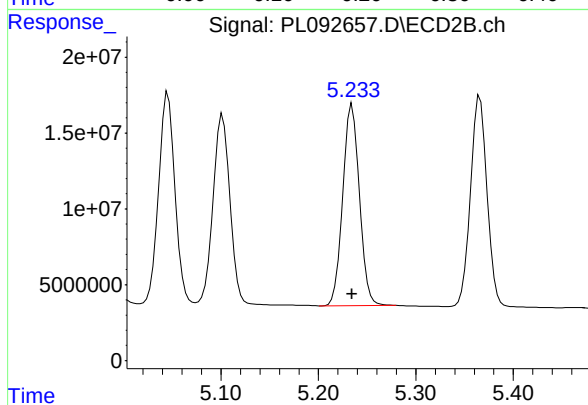
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 162725398
Conc: 50.00 ng/ml



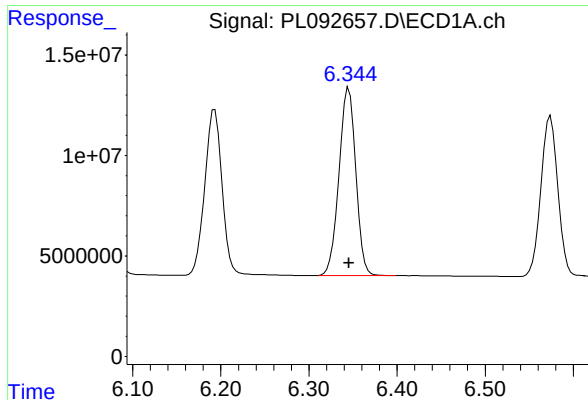
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 111502741
Conc: 50.00 ng/ml



#12 4,4'-DDE

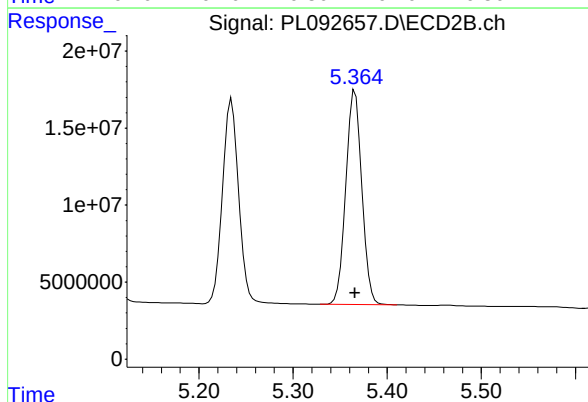
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 157747656
Conc: 50.00 ng/ml



#13 Dieldrin

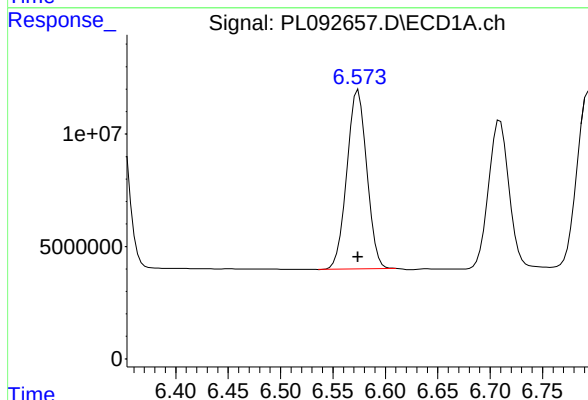
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 123801503
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



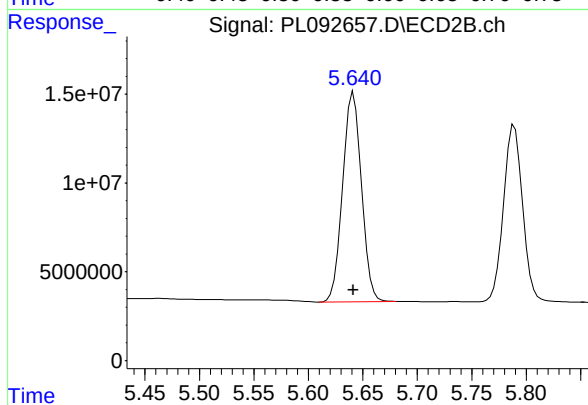
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 164505094
Conc: 50.00 ng/ml



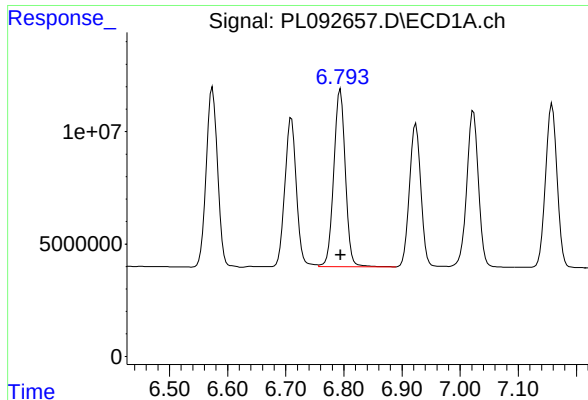
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 106062790
Conc: 50.00 ng/ml



#14 Endrin

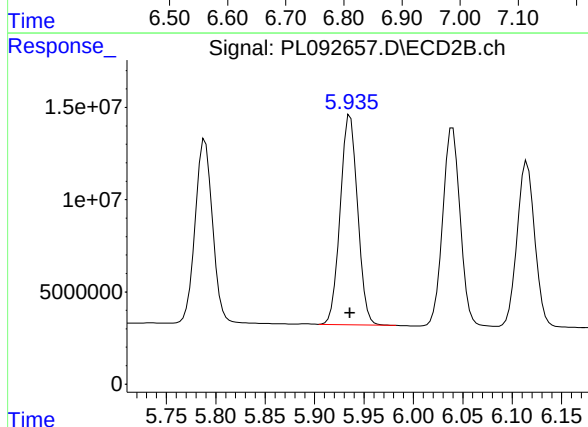
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 141404243
Conc: 50.00 ng/ml



#15 Endosulfan II

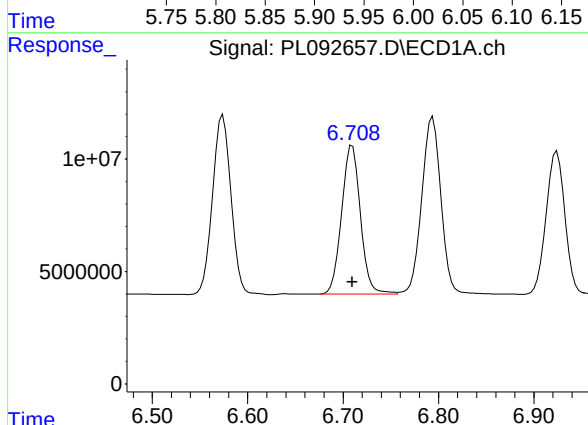
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 110261371
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



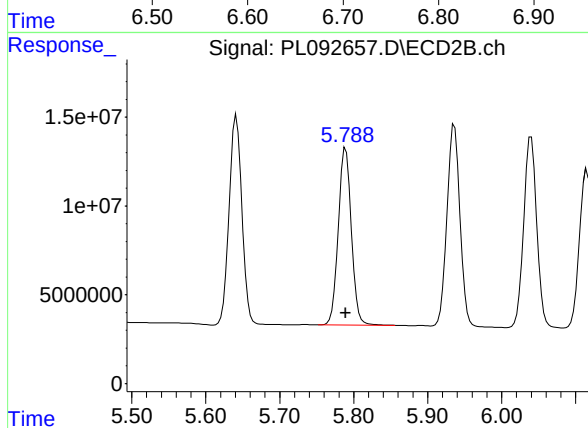
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 138996376
Conc: 50.00 ng/ml



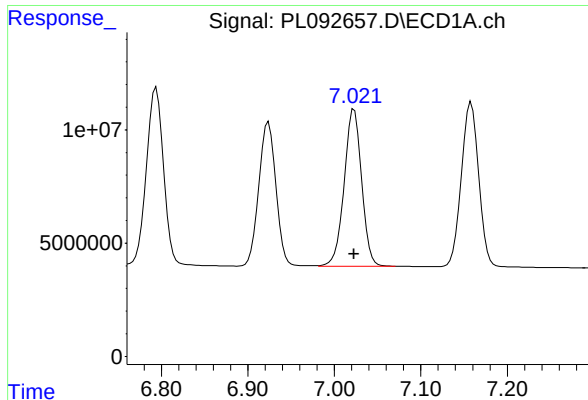
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 90898841
Conc: 50.00 ng/ml



#16 4,4'-DDD

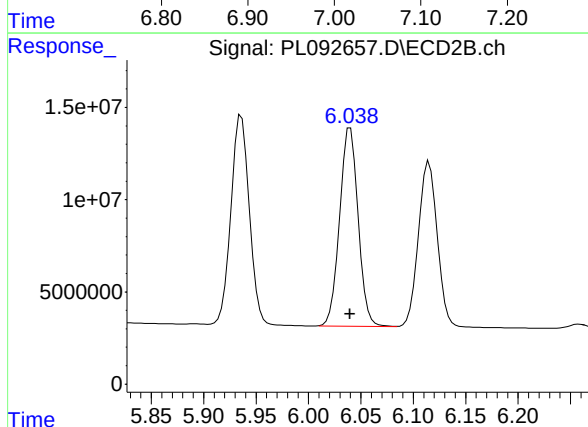
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 122171479
Conc: 50.00 ng/ml



#17 4,4'-DDT

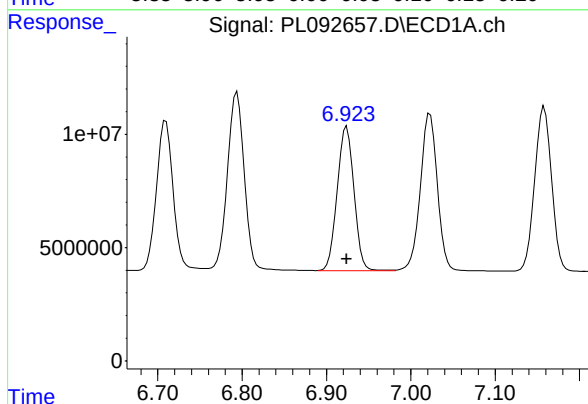
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 97035972
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



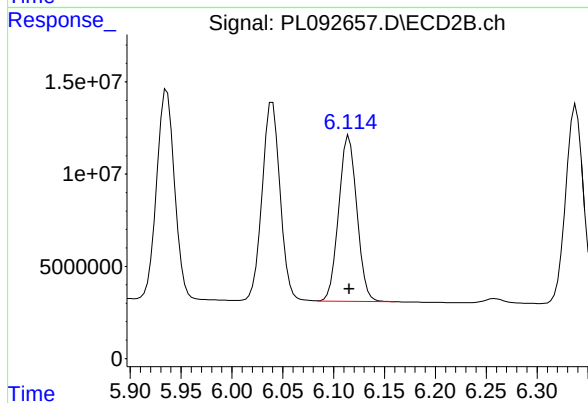
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 131865297
Conc: 50.00 ng/ml



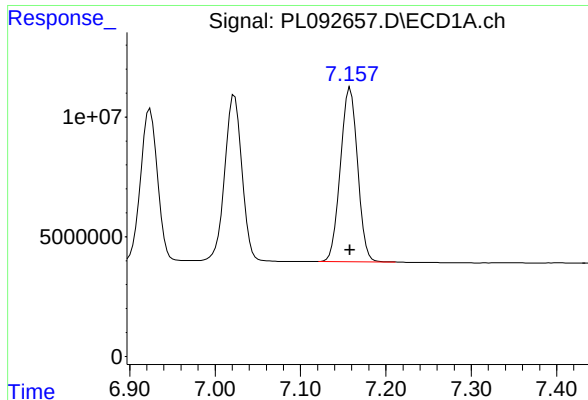
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 87908093
Conc: 50.00 ng/ml



#18 Endrin aldehyde

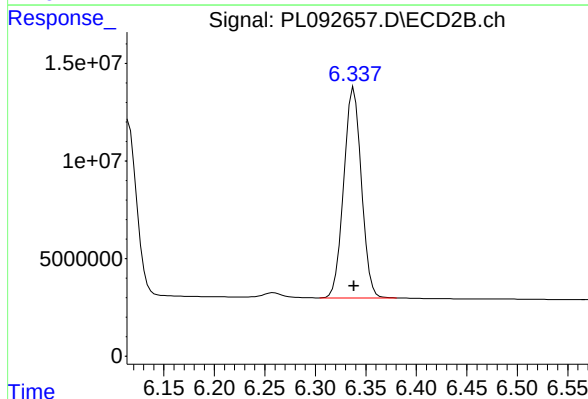
R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 111506646
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

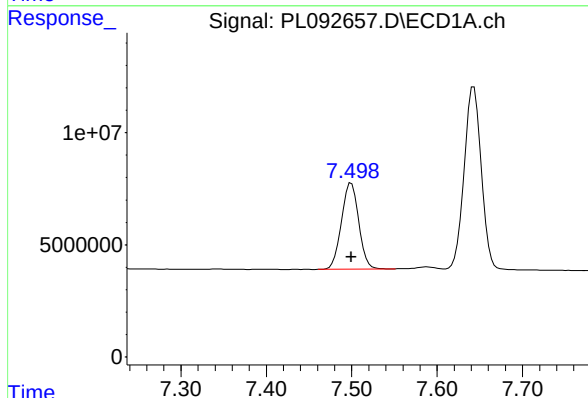
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 101237011
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



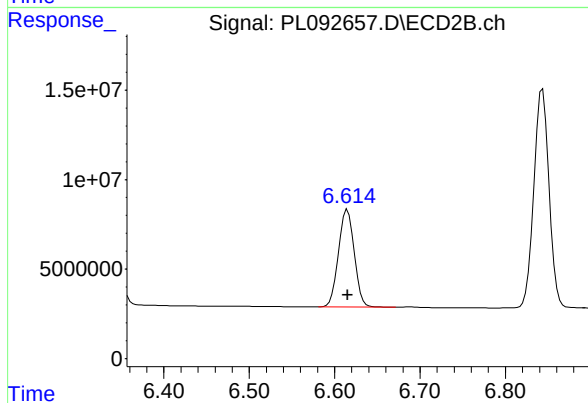
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 131184479
Conc: 50.00 ng/ml



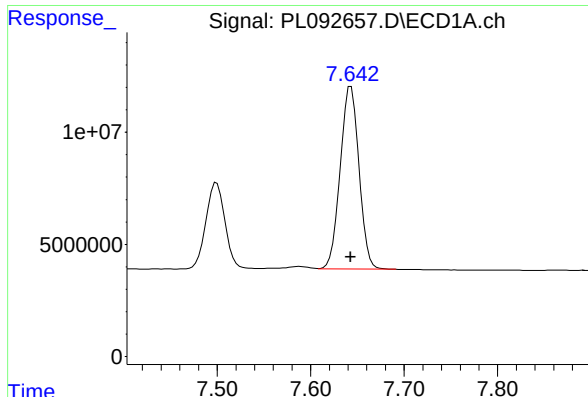
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 53913903
Conc: 50.00 ng/ml



#20 Methoxychlor

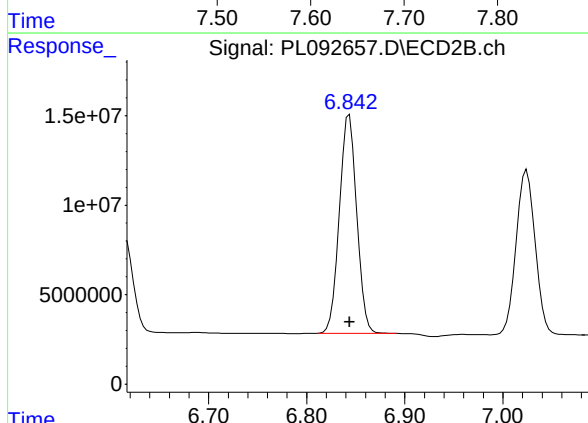
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 69696231
Conc: 50.00 ng/ml



#21 Endrin ketone

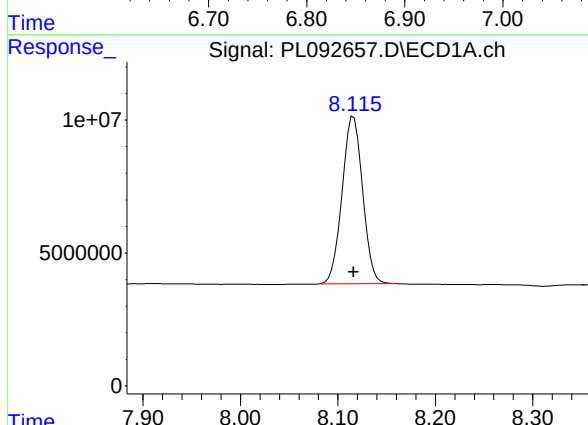
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 113695424
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



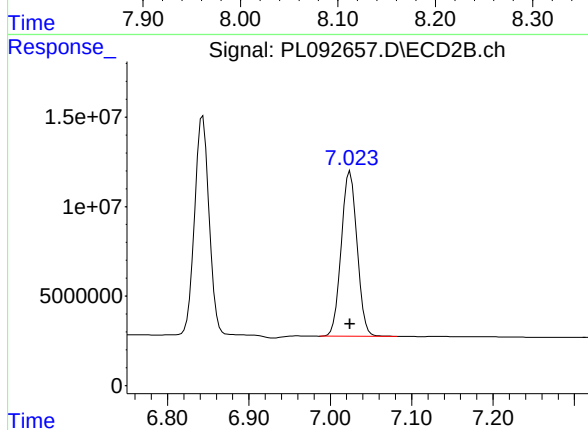
#21 Endrin ketone

R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 150653100
Conc: 50.00 ng/ml



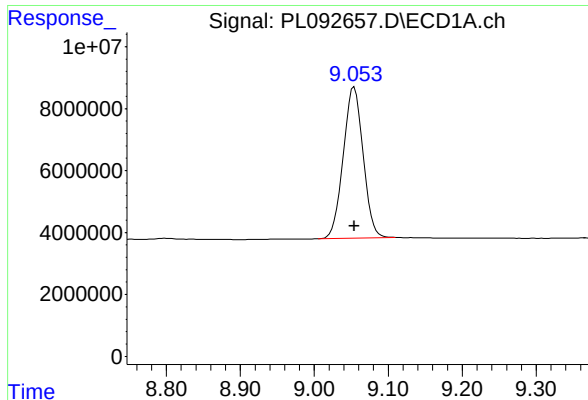
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 92300183
Conc: 50.00 ng/ml



#22 Mirex

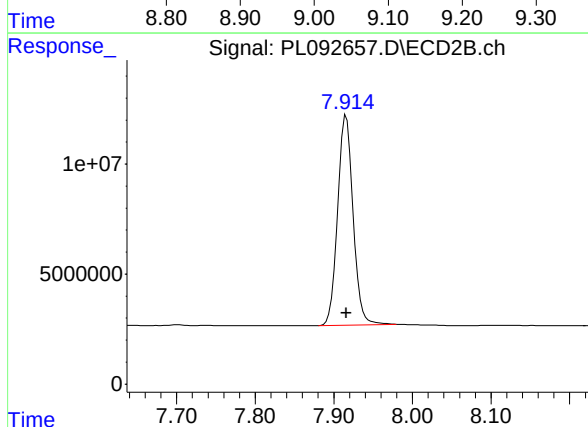
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 124647235
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 90985898
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 130277167
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
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: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	62808688	68210857	26.546	25.362
28) SA Decachlor...	9.054	7.916	49968947	69836578	27.328	26.400
Target Compounds						
2) A alpha-BHC	3.996	3.281	84927238	98362013	25.627	24.168
3) MA gamma-BHC...	4.328	3.611	81958950	95710712	25.784	24.415
4) MA Heptachlor	4.917	3.950	76599935	94477178	26.629	24.976
5) MB Aldrin	5.259	4.230	76180853	90483526	26.486	24.481
6) B beta-BHC	4.526	3.911	37295050	41549746	26.915	25.675
7) B delta-BHC	4.773	4.140	77991786	94555626	25.748	24.249
8) B Heptachlo...	5.685	4.732	70540111	83820686	27.012	25.117
9) A Endosulfan I	6.070	5.102	63654358	76808476	26.720	25.162
10) B gamma-Chl...	5.941	4.982	67586796	83550406	26.583	24.826
11) B alpha-Chl...	6.019	5.046	67542919	83232660	26.625	25.039
12) B 4,4'-DDE	6.193	5.235	60061765	80248978	26.363	24.834
13) MA Dieldrin	6.345	5.366	66985225	82586412	26.531	24.577
14) MA Endrin	6.574	5.642	58111422	71905340	26.841	24.898
15) B Endosulfa...	6.793	5.937	61248899	71530905	27.295	25.239
16) A 4,4'-DDD	6.710	5.790	49194300	62230288	26.599	24.759
17) MA 4,4'-DDT	7.023	6.040	52836397	66342279	26.630	24.568
18) B Endrin al...	6.923	6.116	48897872	58336435	27.376	25.694
19) B Endosulfa...	7.158	6.339	55996056	67808739	27.255	25.373
20) A Methoxychlor	7.499	6.615	29728906	36759011	27.282	26.022
21) B Endrin ke...	7.643	6.844	61777342	77430982	26.728	25.339
22) Mirex	8.116	7.025	51864163	67137696	27.785	26.612

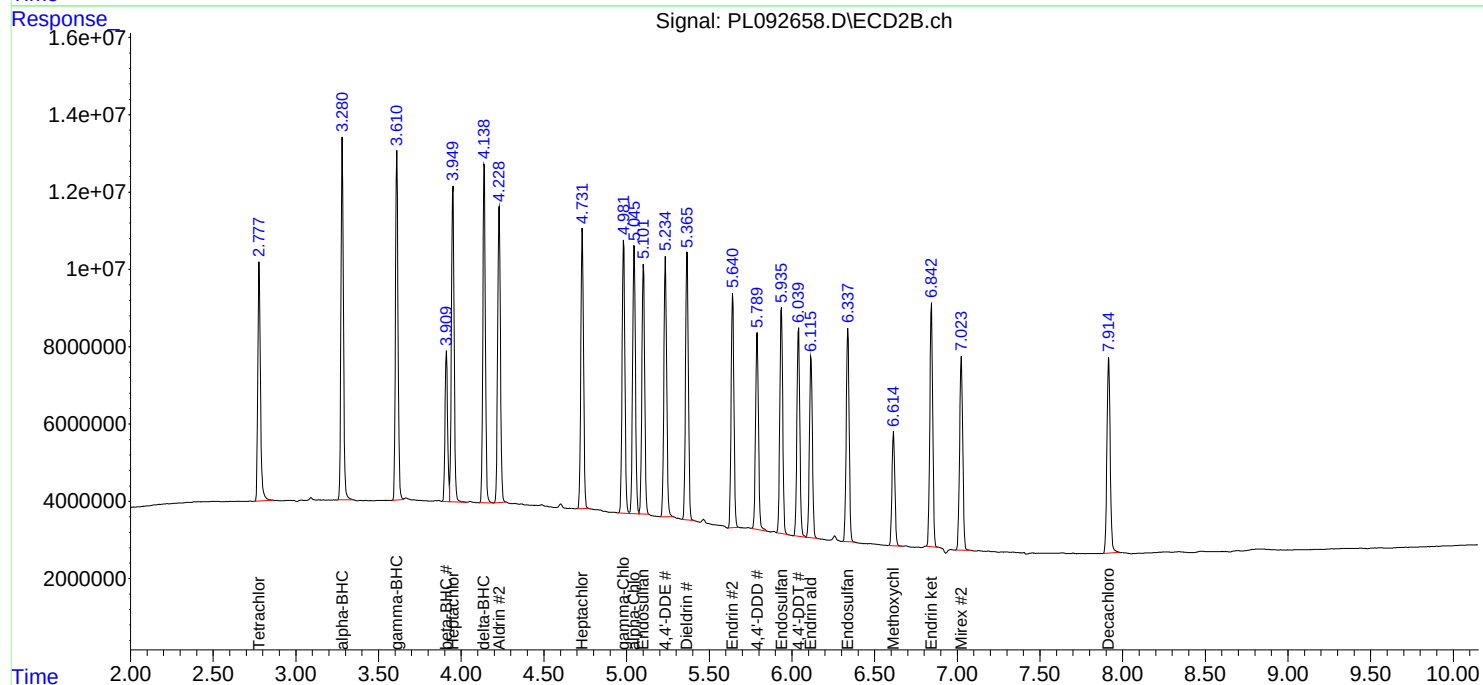
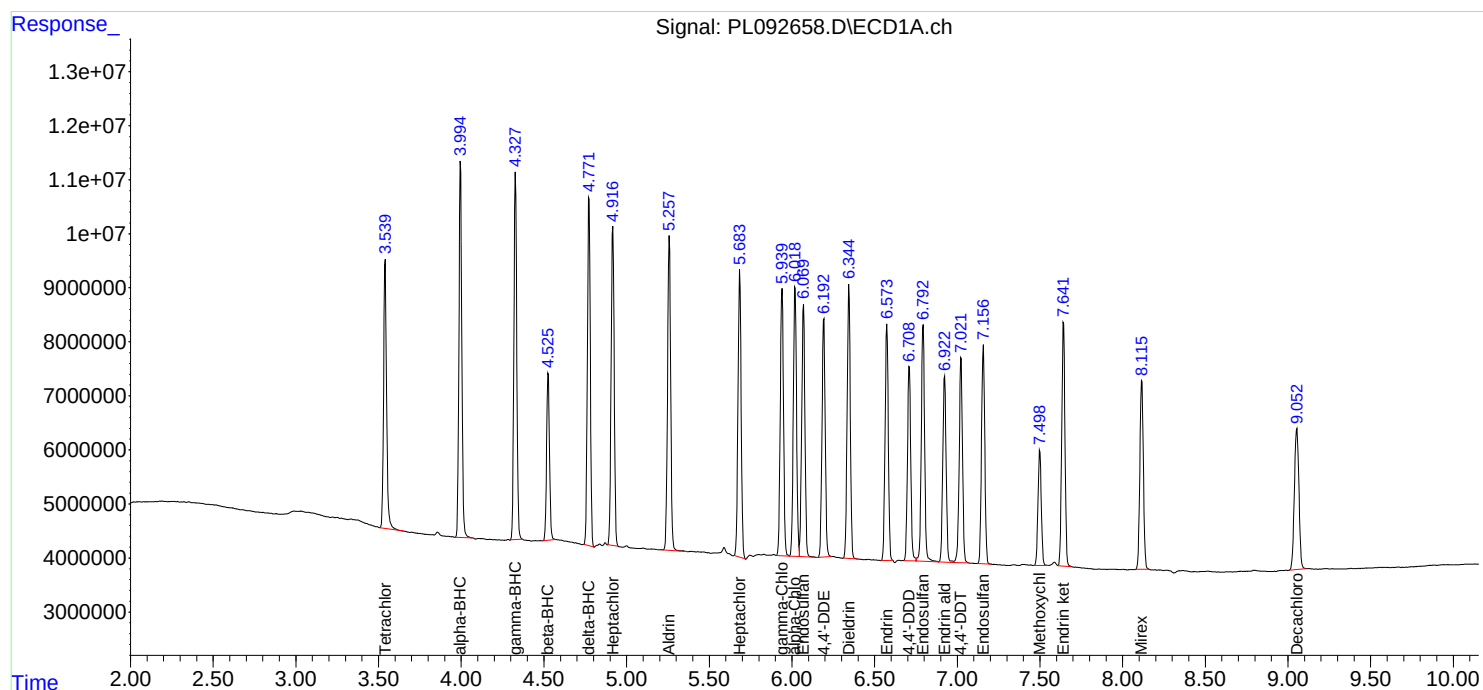
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

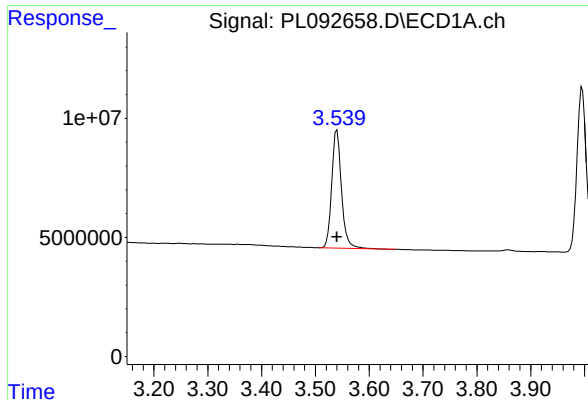
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

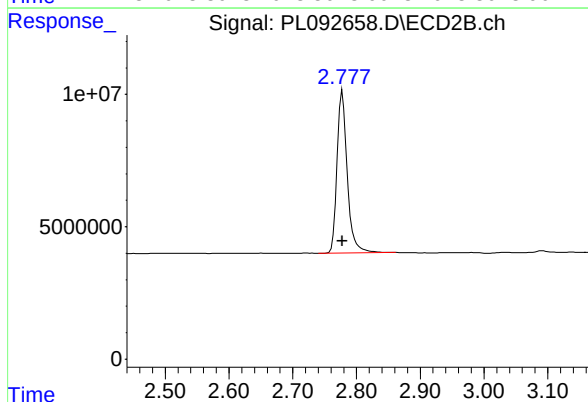




#1 Tetrachloro-m-xylene

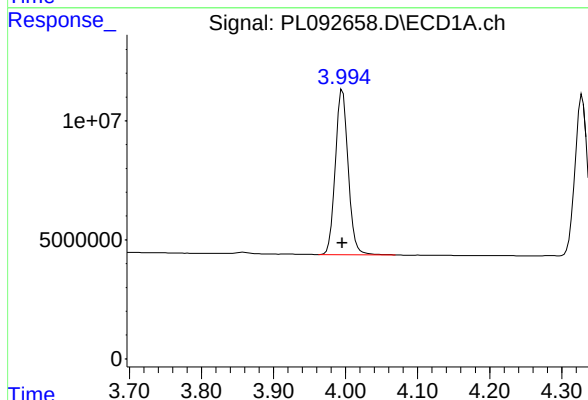
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 62808688
Conc: 26.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



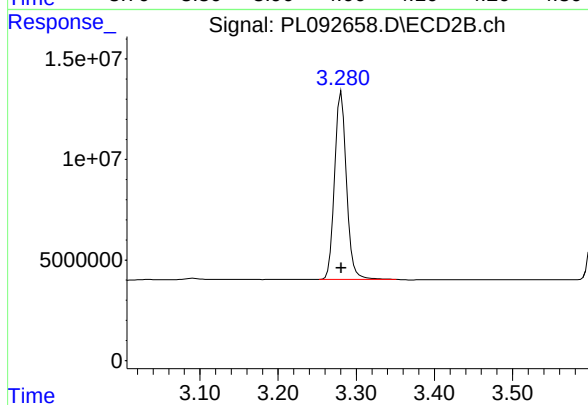
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 68210857
Conc: 25.36 ng/ml



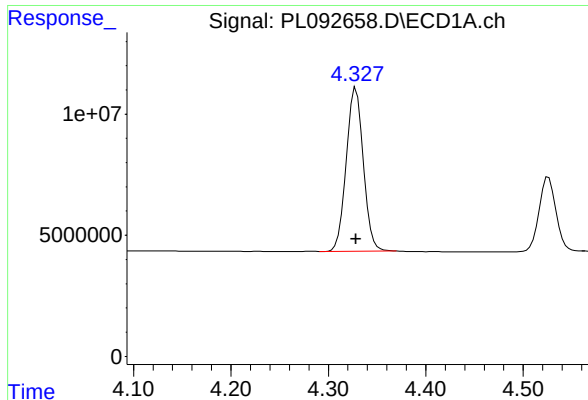
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 84927238
Conc: 25.63 ng/ml



#2 alpha-BHC

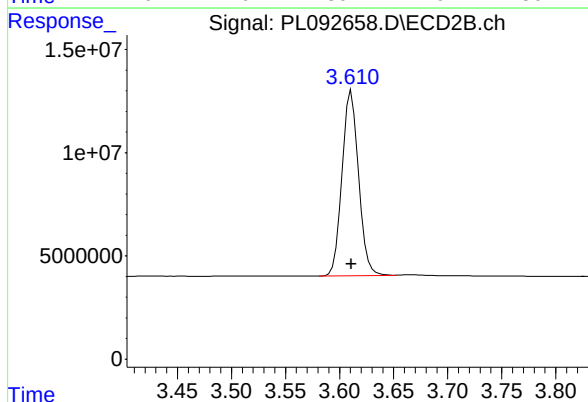
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 98362013
Conc: 24.17 ng/ml



#3 gamma-BHC (Lindane)

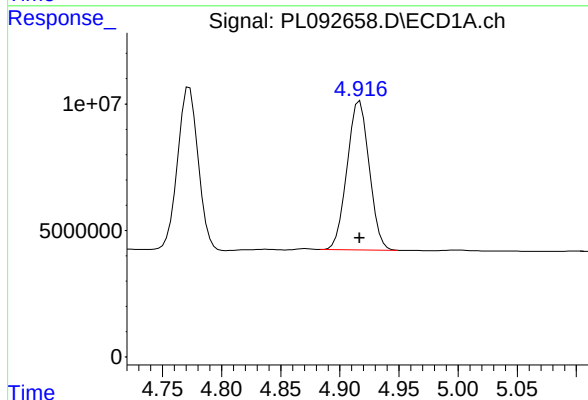
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 81958950
Conc: 25.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



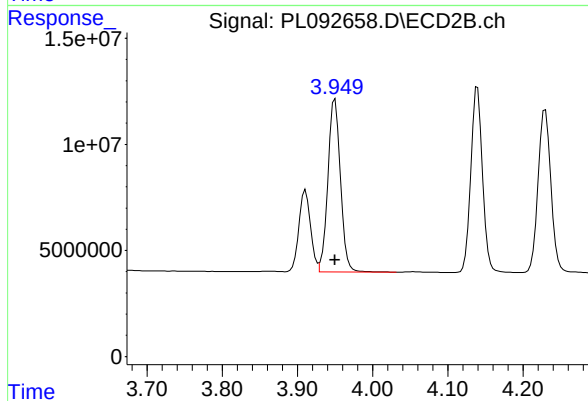
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 95710712
Conc: 24.41 ng/ml



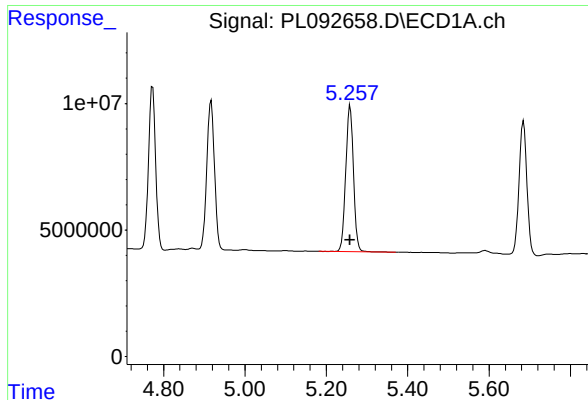
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 76599935
Conc: 26.63 ng/ml



#4 Heptachlor

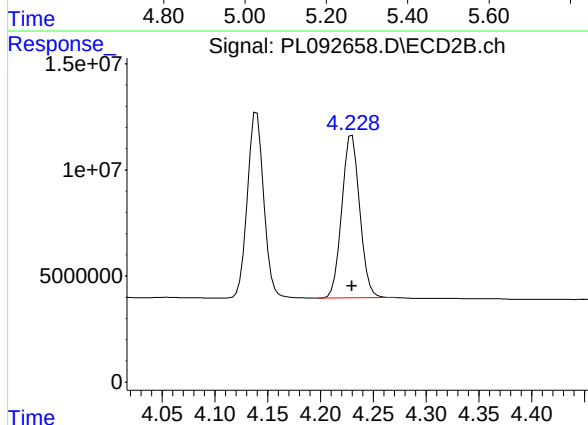
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 94477178
Conc: 24.98 ng/ml



#5 Aldrin

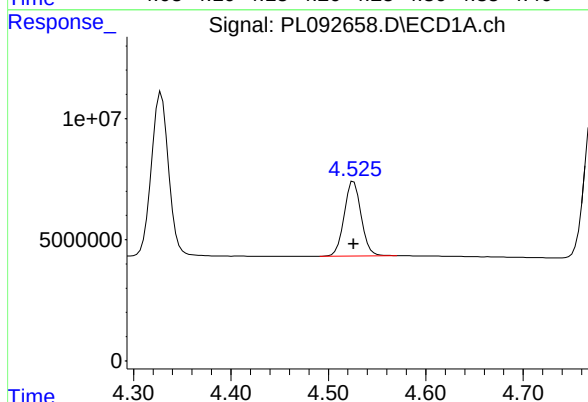
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 76180853
Conc: 26.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



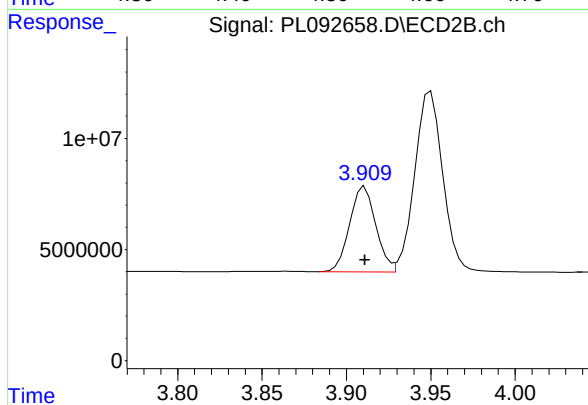
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 90483526
Conc: 24.48 ng/ml



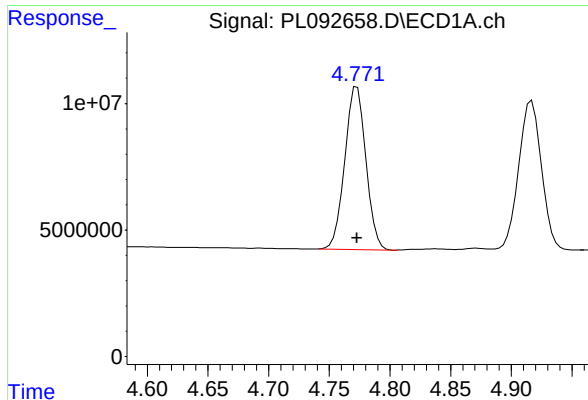
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 37295050
Conc: 26.91 ng/ml



#6 beta-BHC

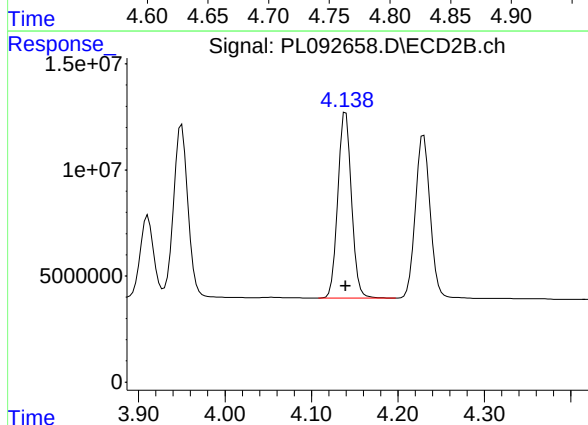
R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 41549746
Conc: 25.68 ng/ml



#7 delta-BHC

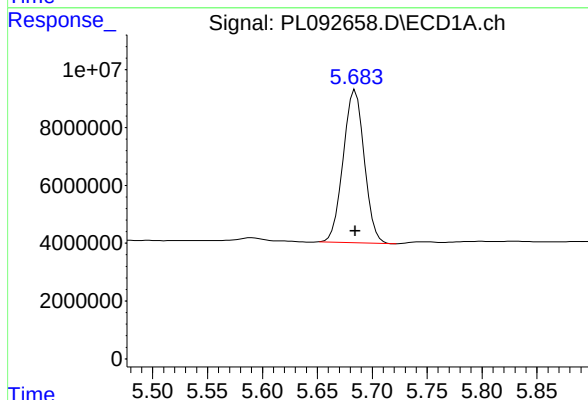
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 77991786
Conc: 25.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



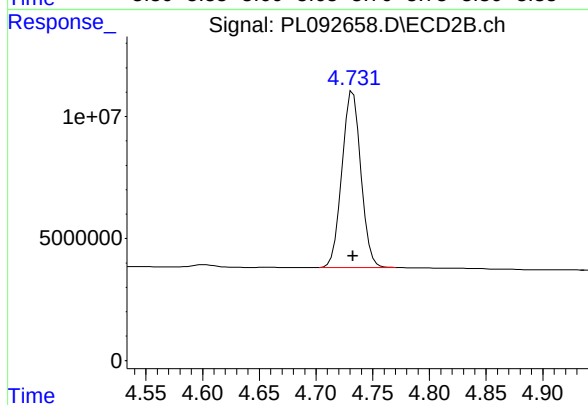
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 94555626
Conc: 24.25 ng/ml



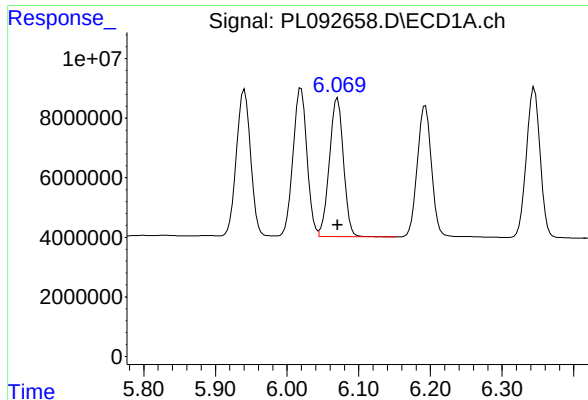
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 70540111
Conc: 27.01 ng/ml



#8 Heptachlor epoxide

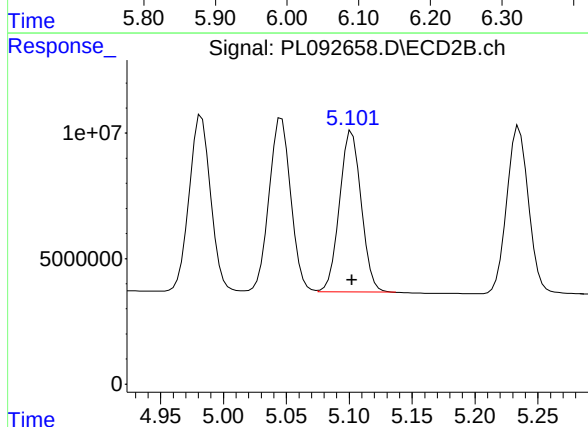
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 83820686
Conc: 25.12 ng/ml



#9 Endosulfan I

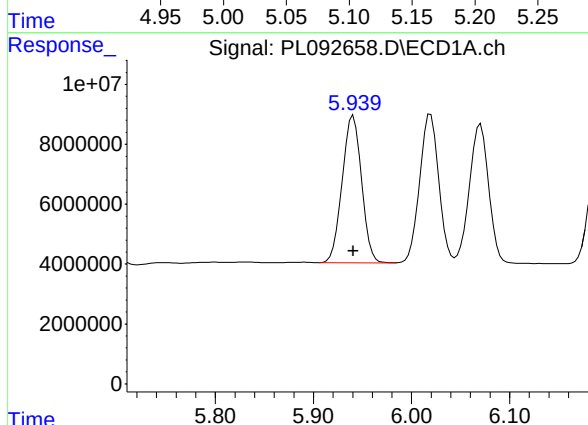
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 63654358
Conc: 26.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



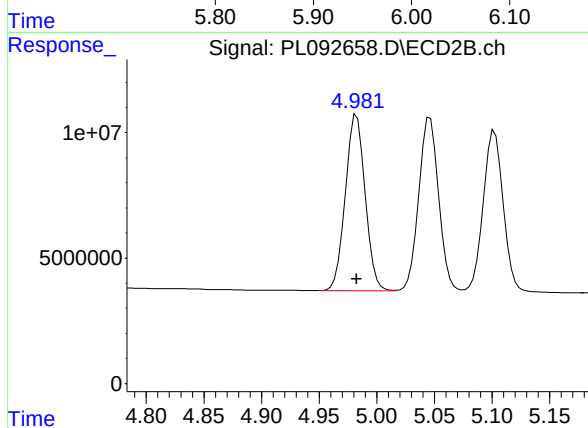
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 76808476
Conc: 25.16 ng/ml



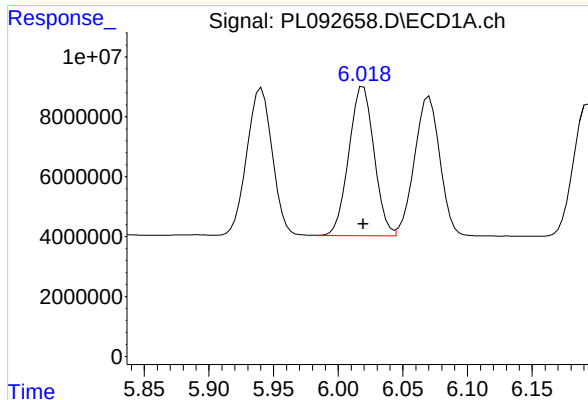
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 67586796
Conc: 26.58 ng/ml



#10 gamma-Chlordane

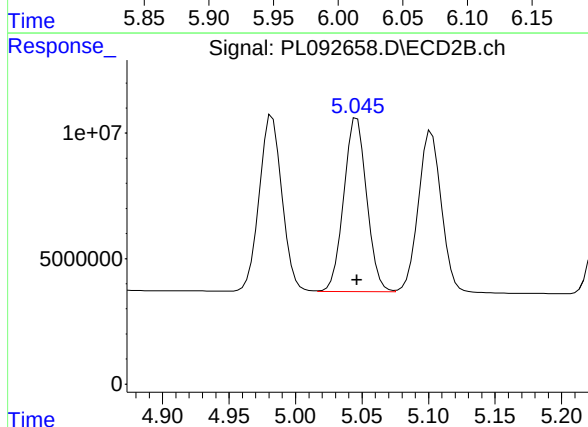
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 83550406
Conc: 24.83 ng/ml



#11 alpha-Chlordane

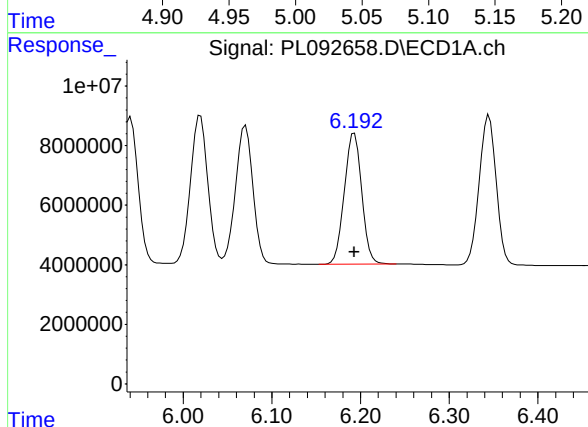
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 67542919
Conc: 26.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



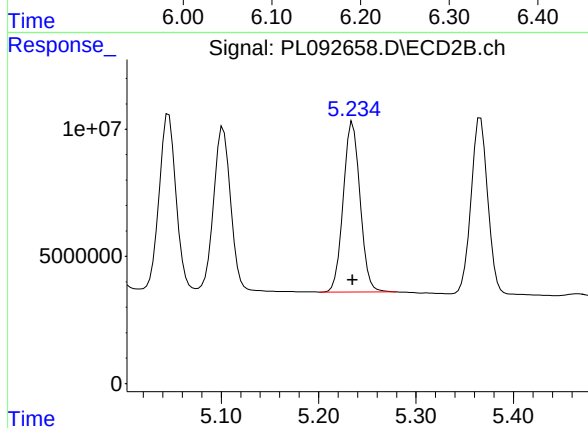
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 83232660
Conc: 25.04 ng/ml



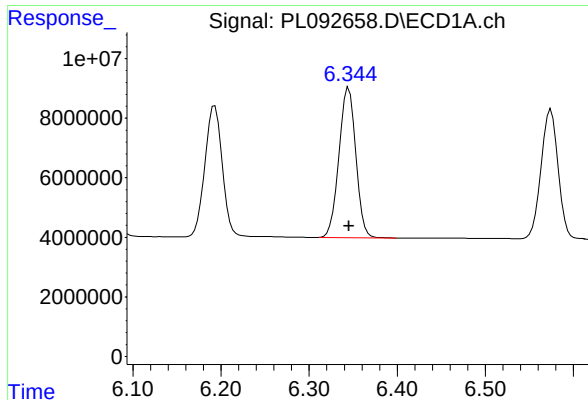
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 60061765
Conc: 26.36 ng/ml



#12 4,4'-DDE

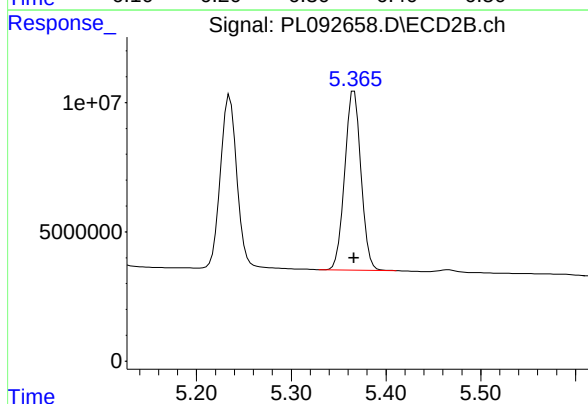
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 80248978
Conc: 24.83 ng/ml



#13 Dieldrin

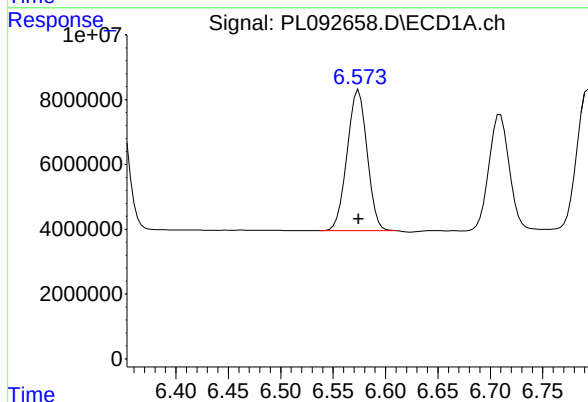
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 66985225
Conc: 26.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



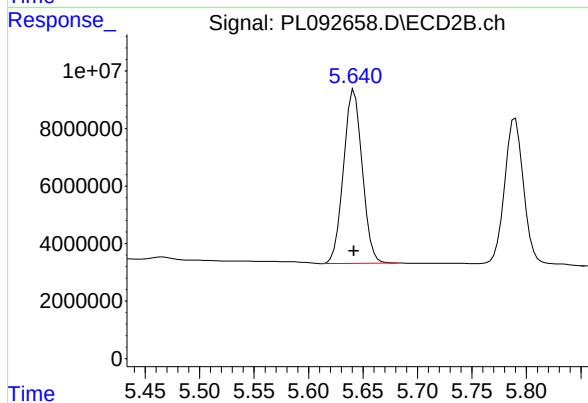
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 82586412
Conc: 24.58 ng/ml



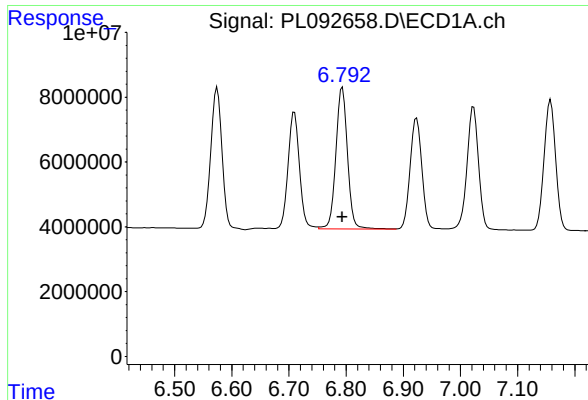
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 58111422
Conc: 26.84 ng/ml



#14 Endrin

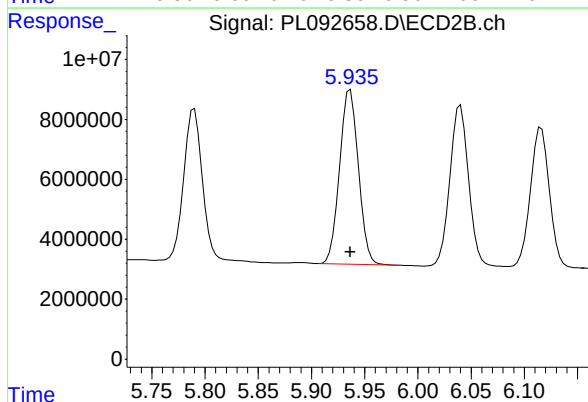
R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 71905340
Conc: 24.90 ng/ml



#15 Endosulfan II

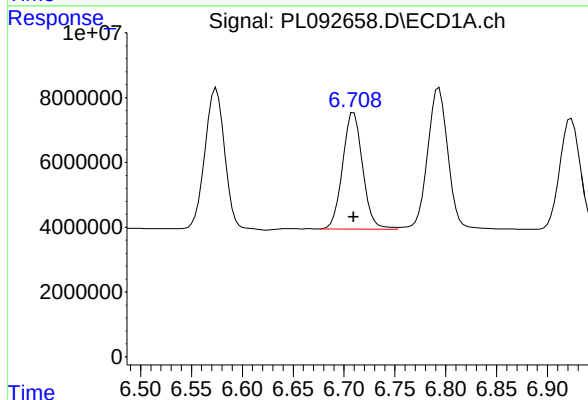
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 61248899
Conc: 27.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



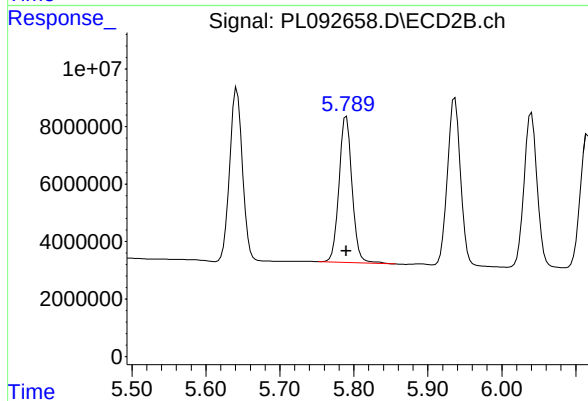
#15 Endosulfan II

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 71530905
Conc: 25.24 ng/ml



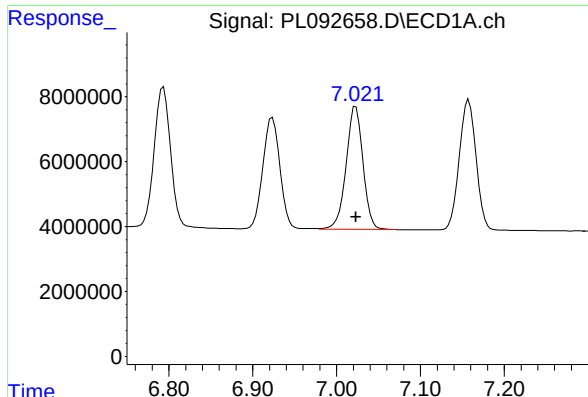
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 49194300
Conc: 26.60 ng/ml



#16 4,4'-DDD

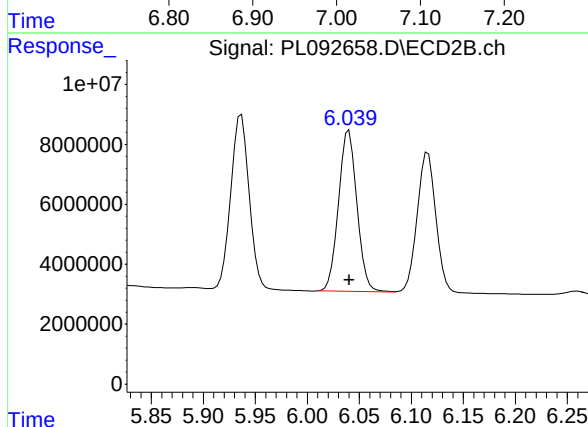
R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 62230288
Conc: 24.76 ng/ml



#17 4,4'-DDT

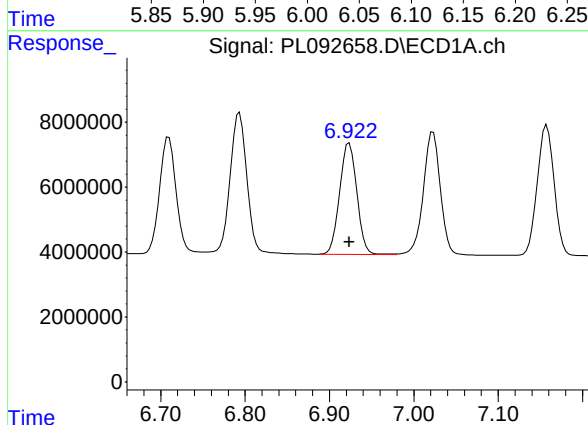
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 52836397
Conc: 26.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



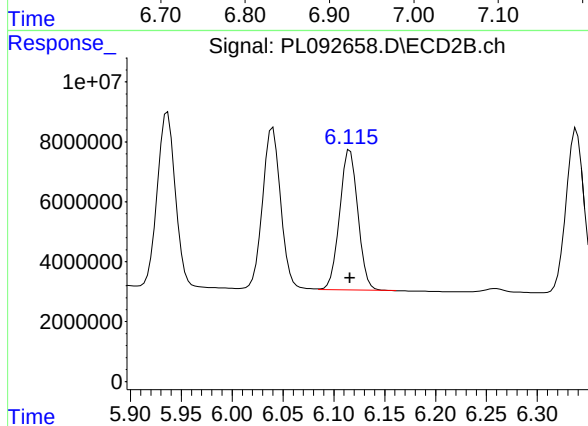
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 66342279
Conc: 24.57 ng/ml



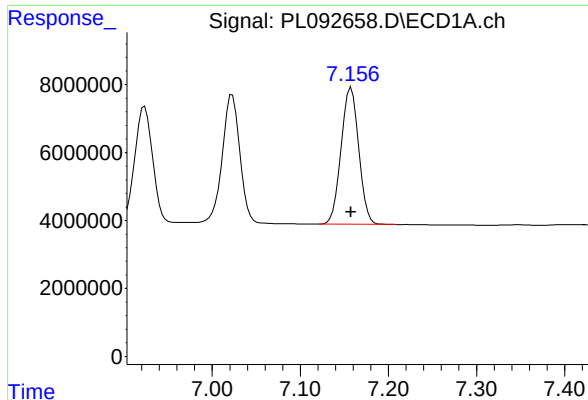
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 48897872
Conc: 27.38 ng/ml



#18 Endrin aldehyde

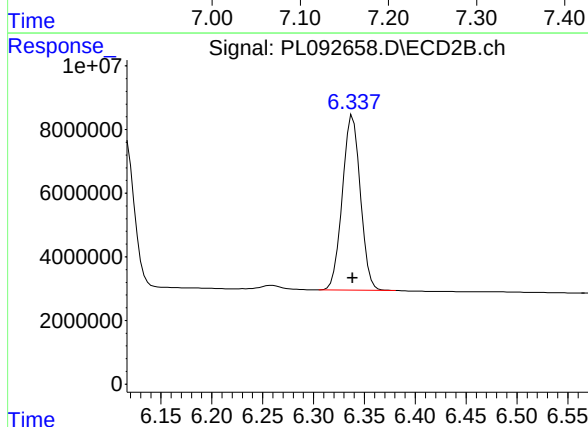
R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 58336435
Conc: 25.69 ng/ml



#19 Endosulfan Sulfate

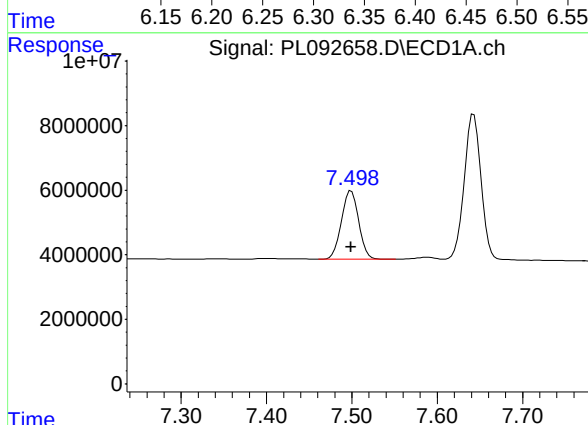
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 55996056
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



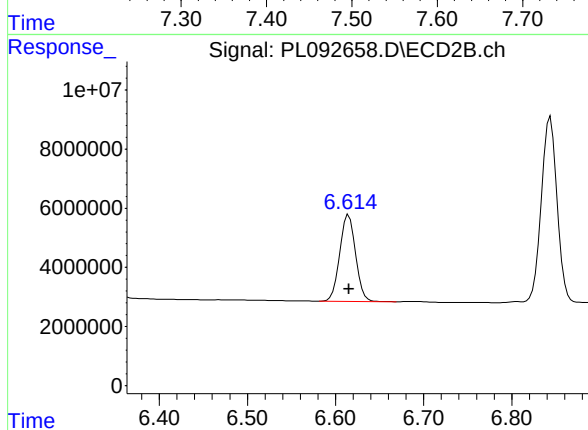
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 67808739
Conc: 25.37 ng/ml



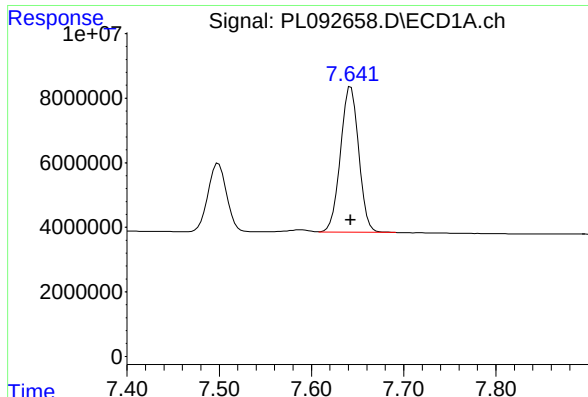
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 29728906
Conc: 27.28 ng/ml



#20 Methoxychlor

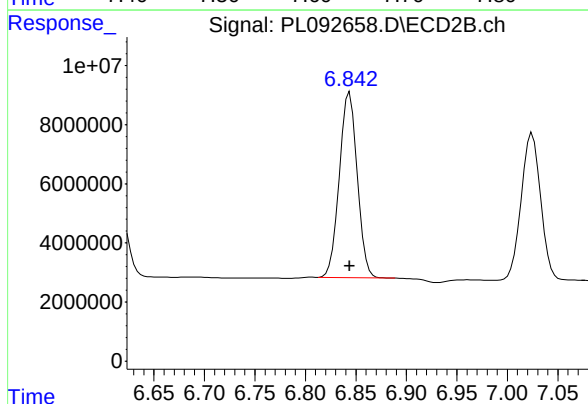
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 36759011
Conc: 26.02 ng/ml



#21 Endrin ketone

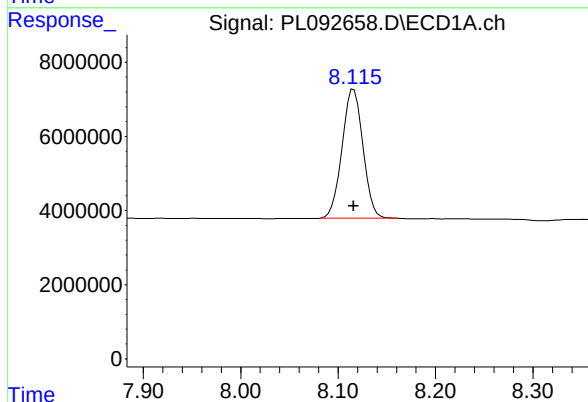
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 61777342
Conc: 26.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



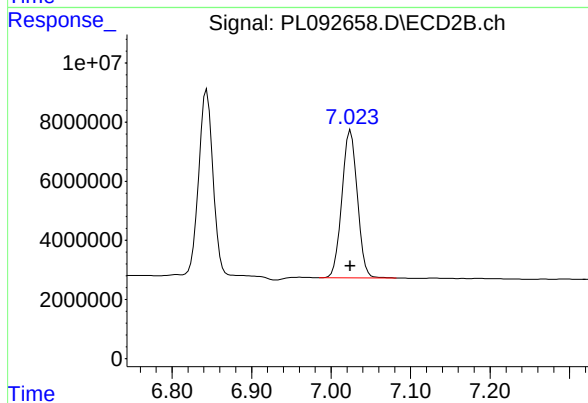
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 77430982
Conc: 25.34 ng/ml



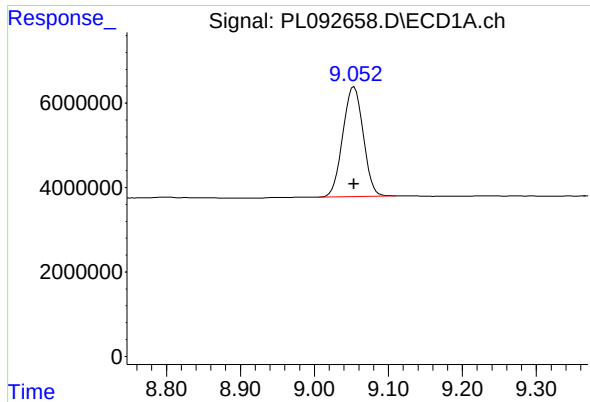
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 51864163
Conc: 27.78 ng/ml



#22 Mirex

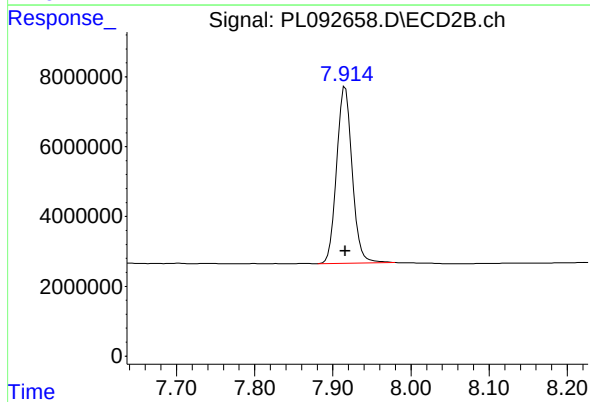
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 67137696
Conc: 26.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 49968947
Conc: 27.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 69836578
Conc: 26.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 15:36
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2024

Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:16:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:10:47 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	13934946	14239511	5.687	5.233
28) SA Decachlor...	9.053	7.915	11544004	15324471	5.998	5.615
Target Compounds						
2) A alpha-BHC	3.995	3.280	18509728	18354234	5.458	4.600
3) MA gamma-BHC...	4.328	3.611	17915176	18082634	5.496	4.685
4) MA Heptachlor	4.916	3.950	17547418	18693239	5.843	4.953
5) MB Aldrin	5.258	4.229	17512022	17582981	5.834	4.804
6) B beta-BHC	4.526	3.910	8423294	8790546	5.827	5.340
7) B delta-BHC	4.771	4.139	17664985	18090728	5.611m	4.707
8) B Heptachlo...	5.682	4.732	16806367	16790300	6.074m	5.025
9) A Endosulfan I	6.069	5.102	14888105	15277635	5.952	5.004
10) B gamma-Chl...	5.940	4.982	15665588	16732339	5.888	4.977
11) B alpha-Chl...	6.019	5.046	15466528	16668126	5.841	5.011
12) B 4,4'-DDE	6.192	5.235	13664798	15911321	5.768	4.939
13) MA Dieldrin	6.344	5.366	15390264	16300991	5.840	4.880
14) MA Endrin	6.573	5.641	13615222	14564290	5.980	5.034
15) B Endosulfa...	6.793	5.936	14715849	14149758	6.173	4.994
16) A 4,4'-DDD	6.709	5.789	10998106	11982712	5.730	4.812
17) MA 4,4'-DDT	7.023	6.039	12061270	13048754	5.827	4.865
18) B Endrin al...	6.923	6.115	11226054	12274278	5.978	5.320
19) B Endosulfa...	7.157	6.338	13167738	13973088	6.067	5.181
20) A Methoxychlor	7.499	6.614	6705797	7447941	5.882	5.216
21) B Endrin ke...	7.643	6.843	14342863	15604260	5.920	5.085
22) Mirex	8.116	7.024	12209643	14769955	6.161	5.661

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

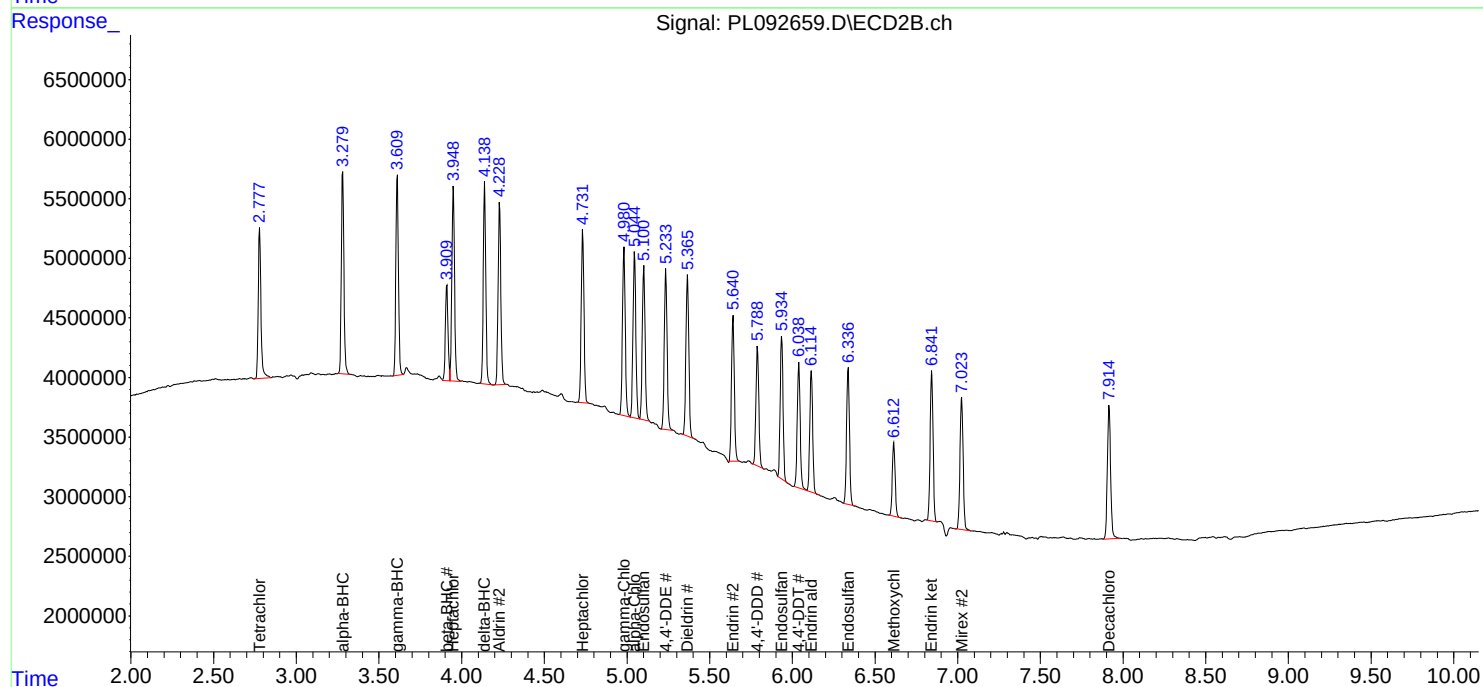
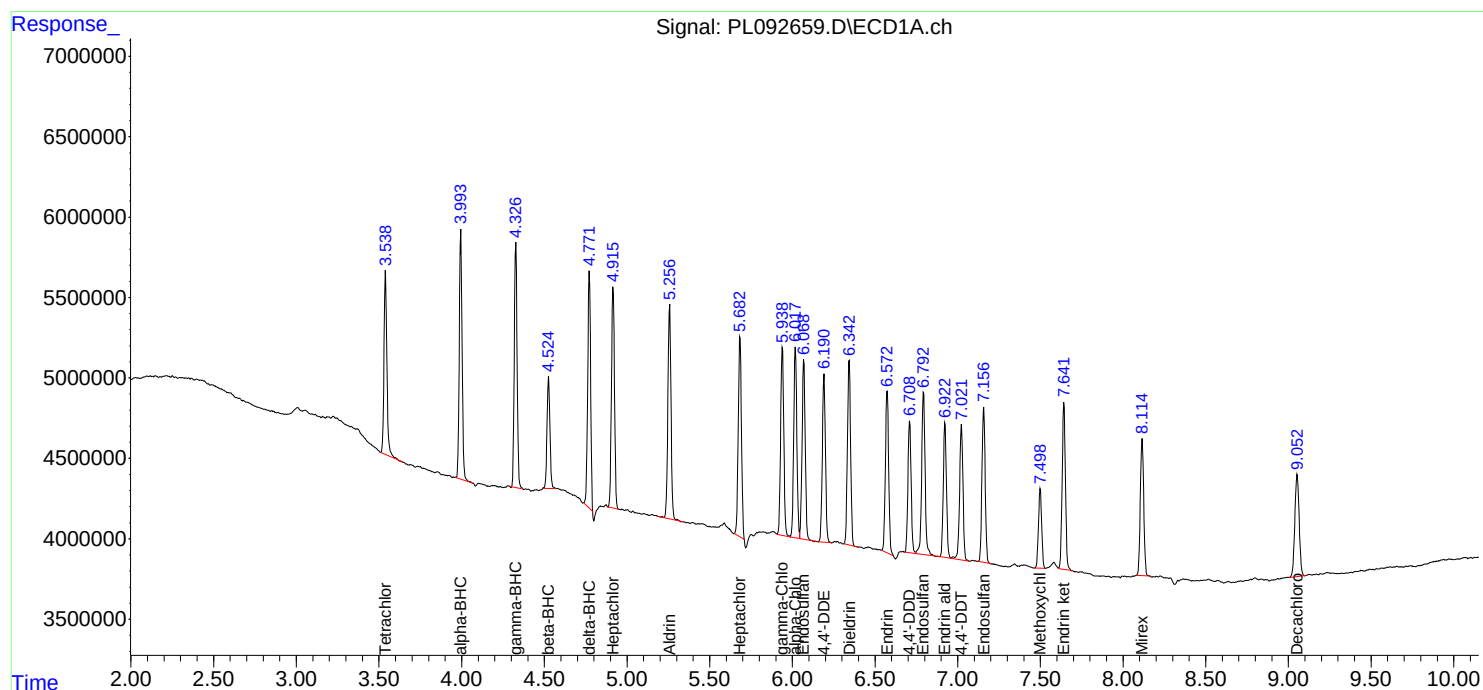
Manual Integrations

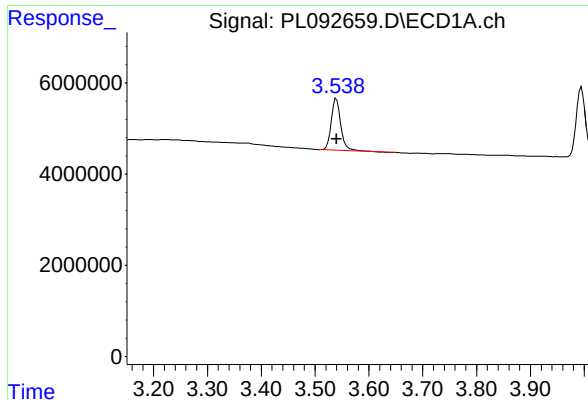
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





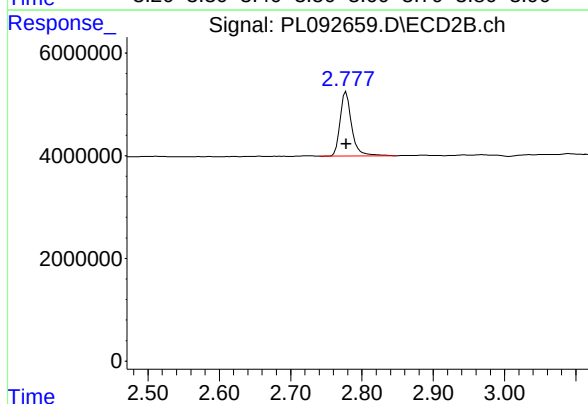
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 13934946
Conc: 5.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

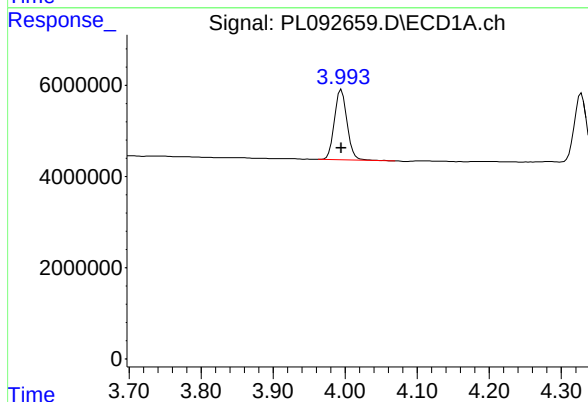
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



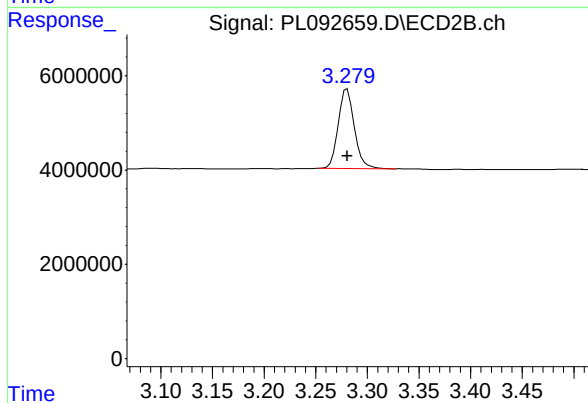
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 14239511
Conc: 5.23 ng/ml



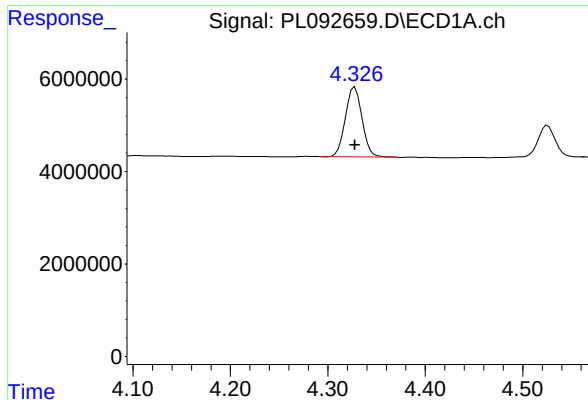
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 18509728
Conc: 5.46 ng/ml



#2 alpha-BHC

R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 18354234
Conc: 4.60 ng/ml



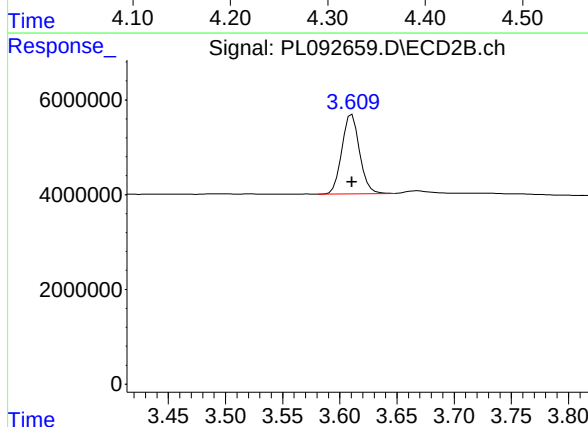
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 17915176
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

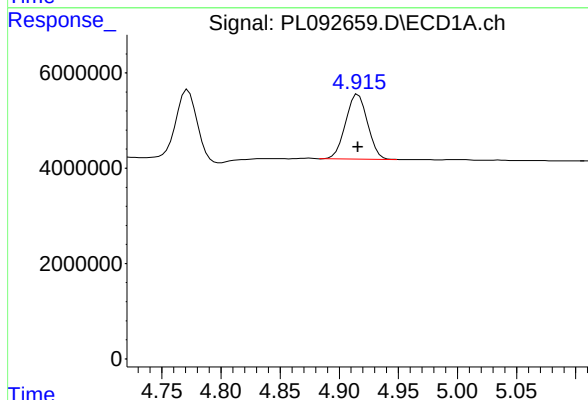
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



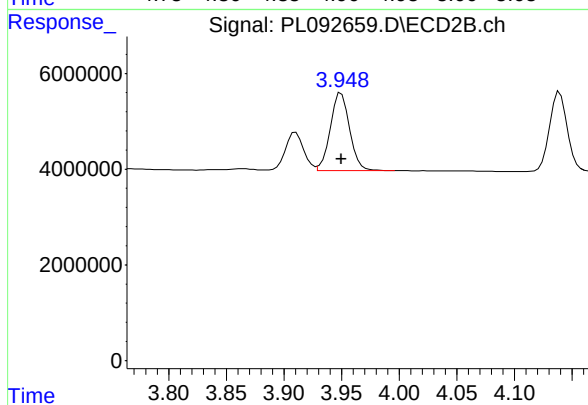
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 18082634
Conc: 4.69 ng/ml



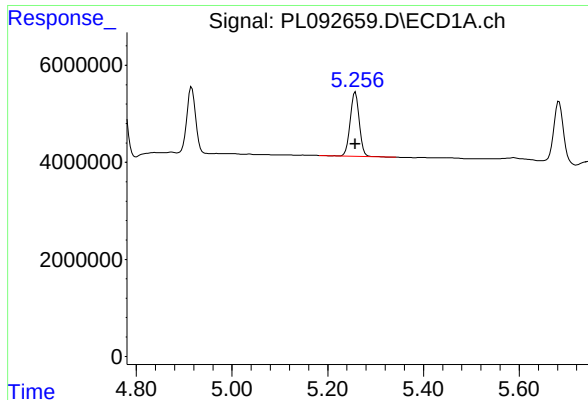
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 17547418
Conc: 5.84 ng/ml



#4 Heptachlor

R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 18693239
Conc: 4.95 ng/ml



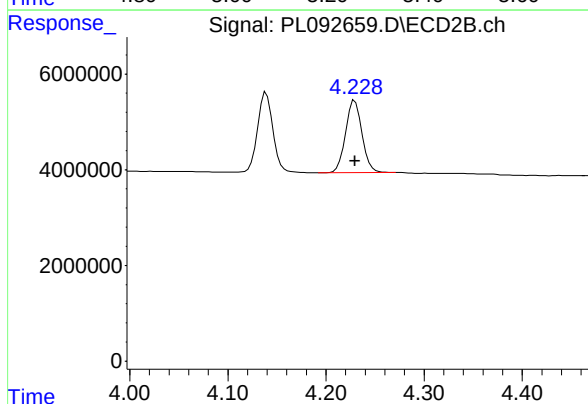
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 17512022
Conc: 5.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

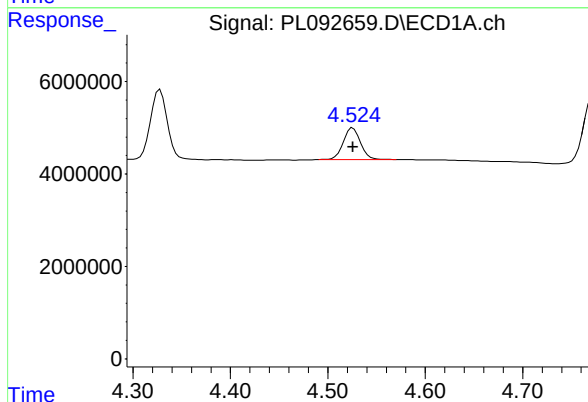
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



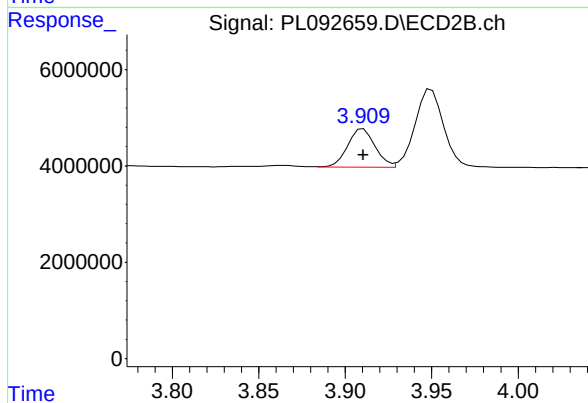
#5 Aldrin

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 17582981
Conc: 4.80 ng/ml



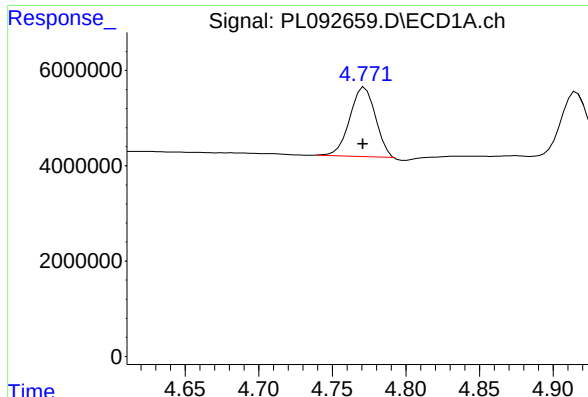
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 8423294
Conc: 5.83 ng/ml



#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 8790546
Conc: 5.34 ng/ml



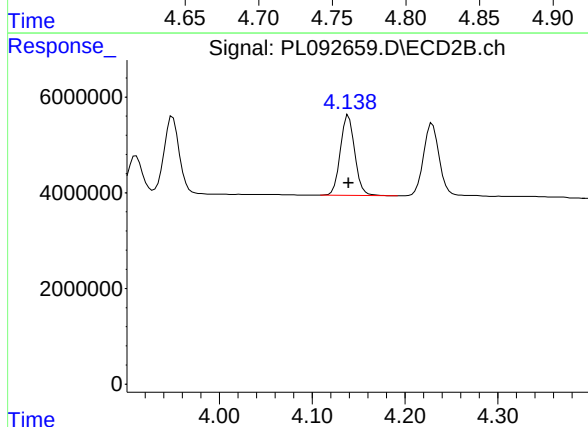
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 17664985
Conc: 5.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

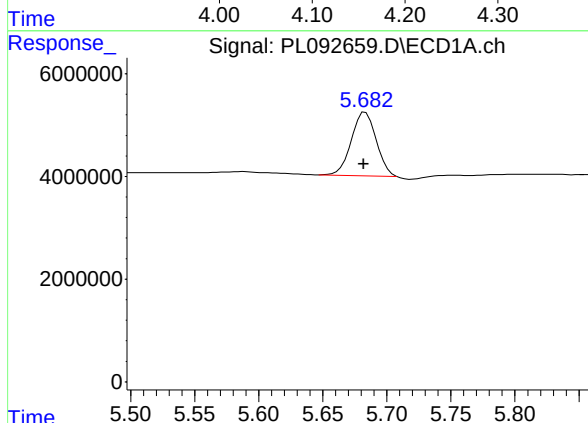
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



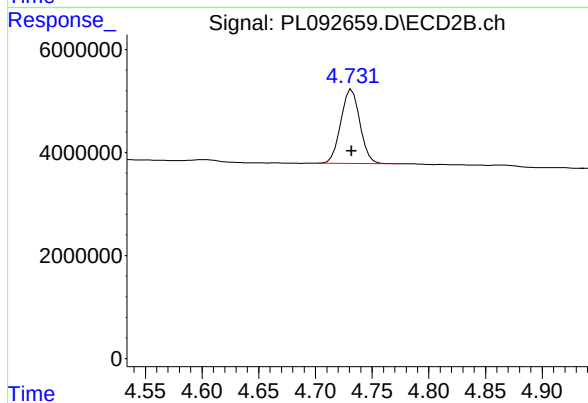
#7 delta-BHC

R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 18090728
Conc: 4.71 ng/ml



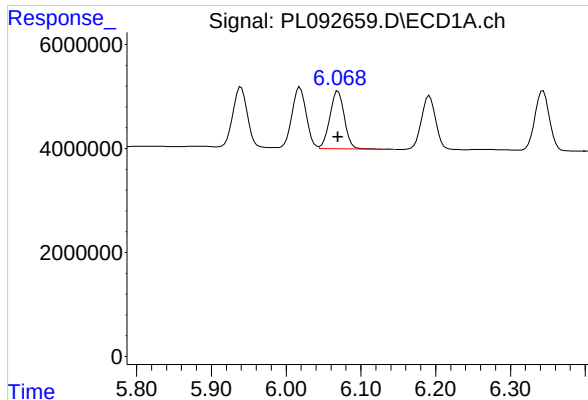
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 16806367
Conc: 6.07 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 16790300
Conc: 5.02 ng/ml



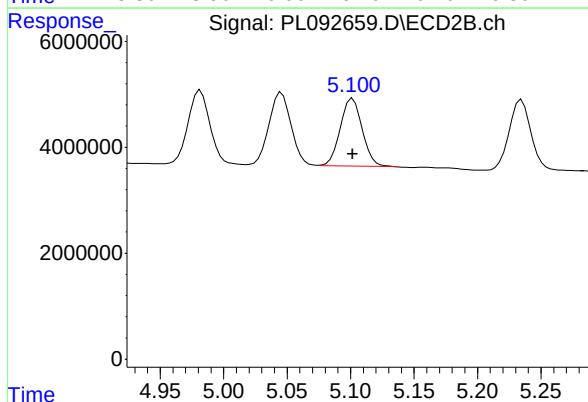
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 14888105
Conc: 5.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

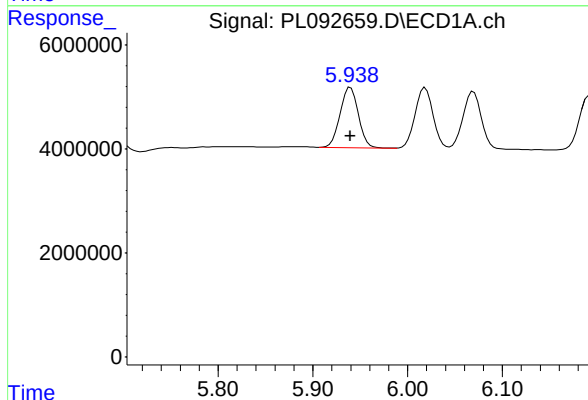
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



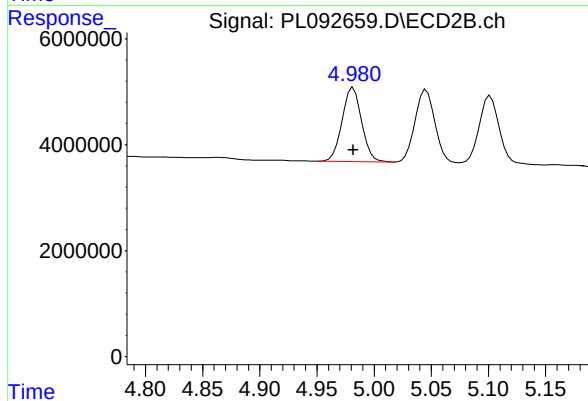
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 15277635
Conc: 5.00 ng/ml



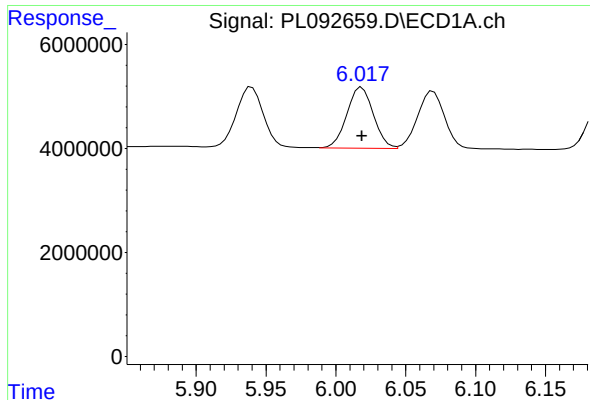
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 15665588
Conc: 5.89 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 16732339
Conc: 4.98 ng/ml



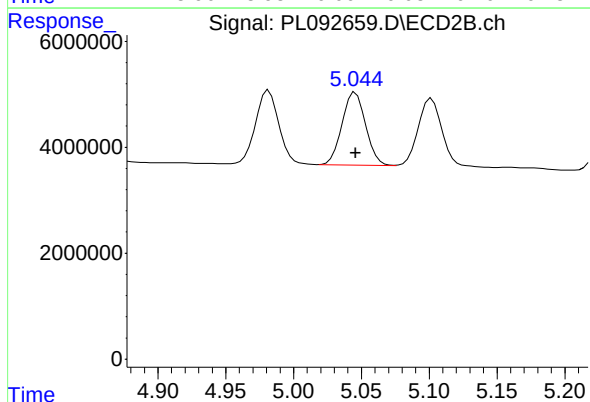
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 15466528
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

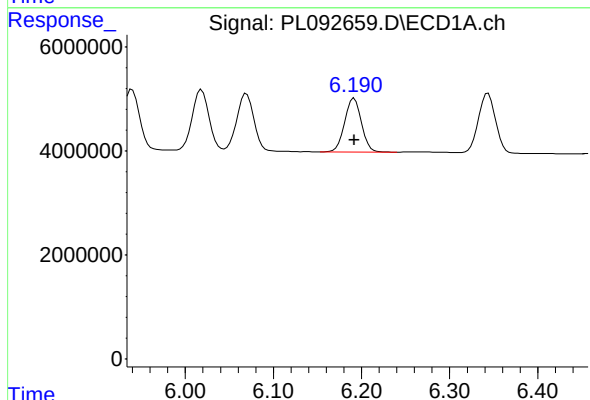
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 10/29/2024



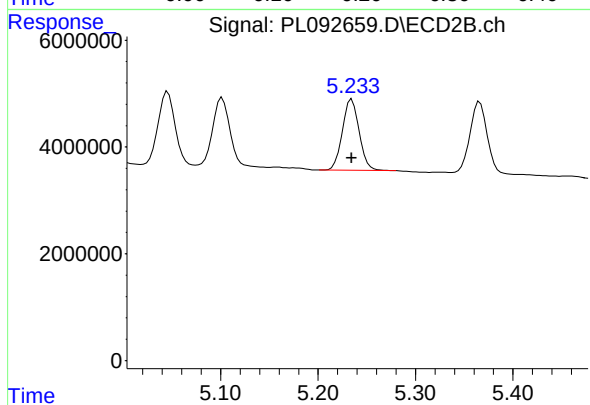
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 16668126
Conc: 5.01 ng/ml



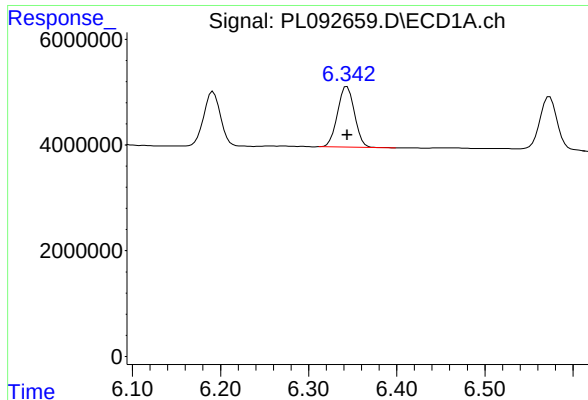
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 13664798
Conc: 5.77 ng/ml



#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 15911321
Conc: 4.94 ng/ml



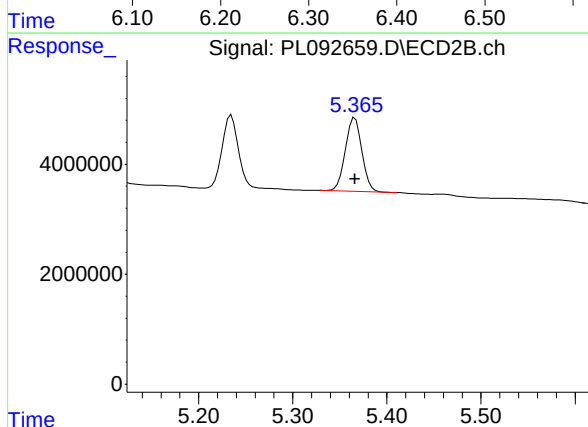
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 15390264
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

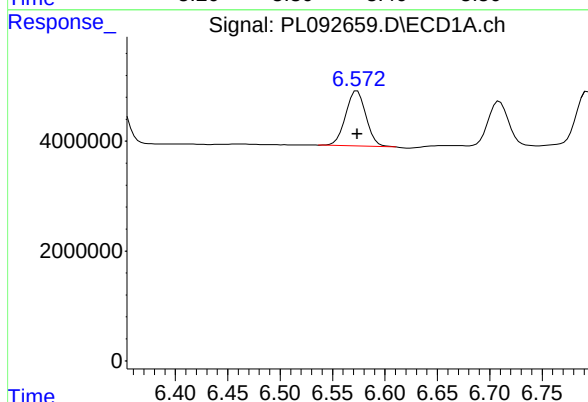
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



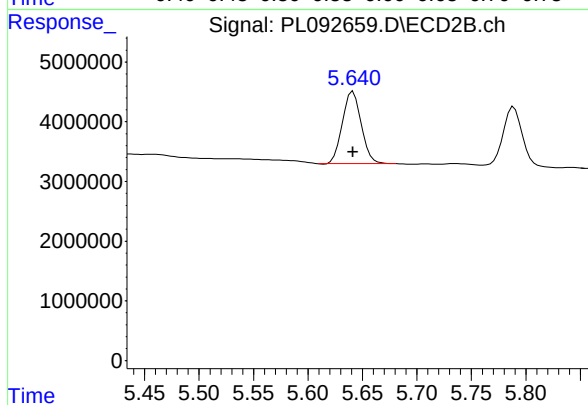
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 16300991
Conc: 4.88 ng/ml



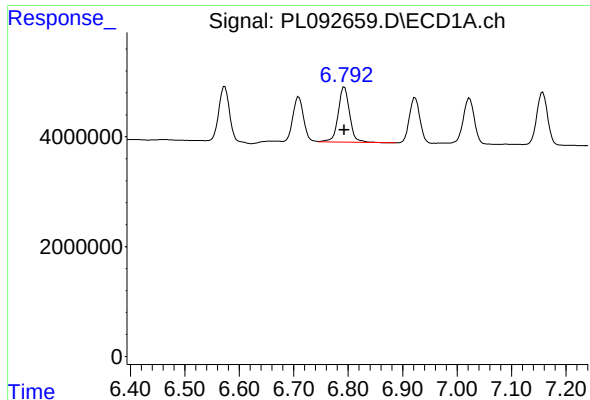
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 13615222
Conc: 5.98 ng/ml



#14 Endrin

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 14564290
Conc: 5.03 ng/ml



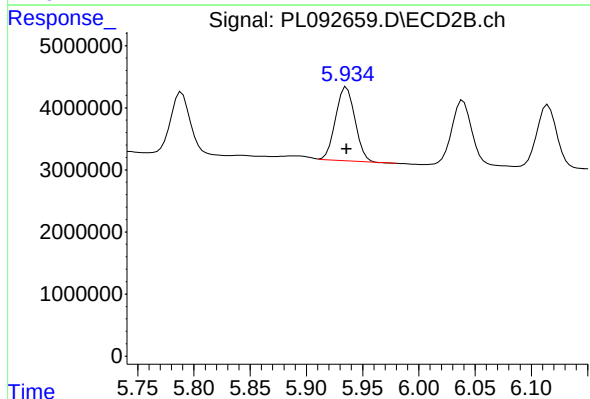
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 14715849
Conc: 6.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

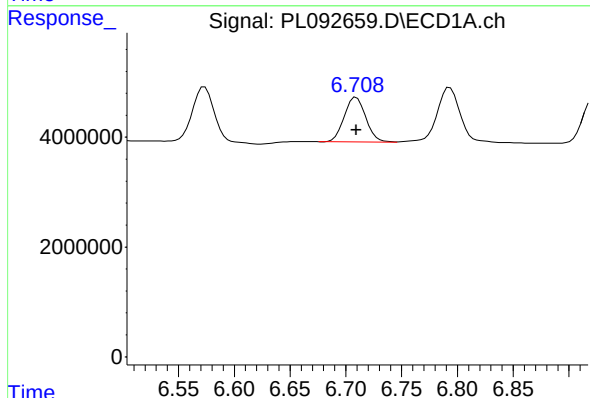
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



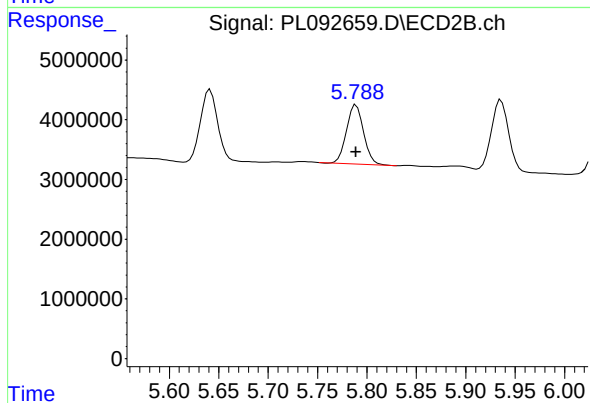
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 14149758
Conc: 4.99 ng/ml



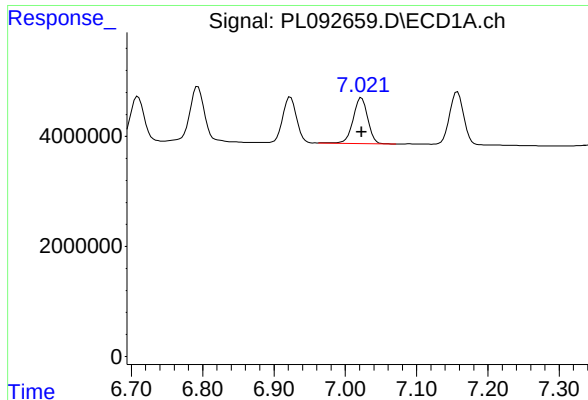
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 10998106
Conc: 5.73 ng/ml



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 11982712
Conc: 4.81 ng/ml



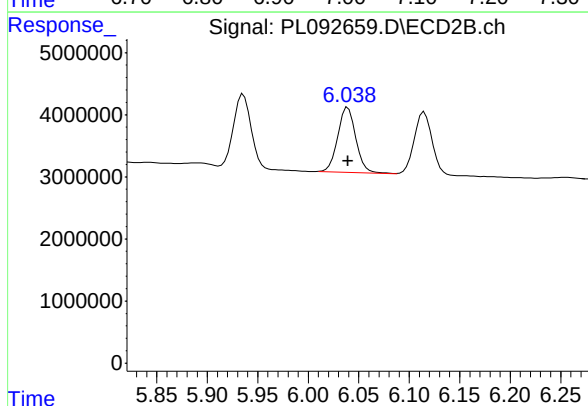
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 12061270
Conc: 5.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

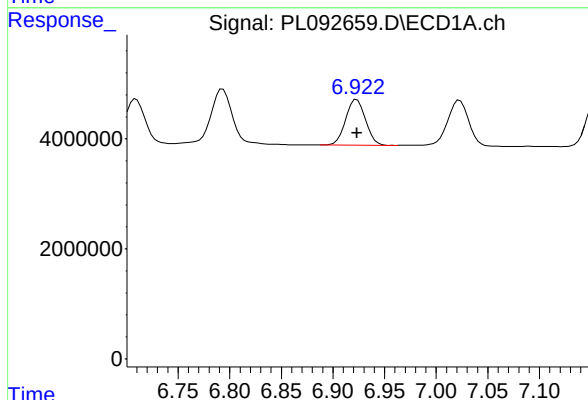
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



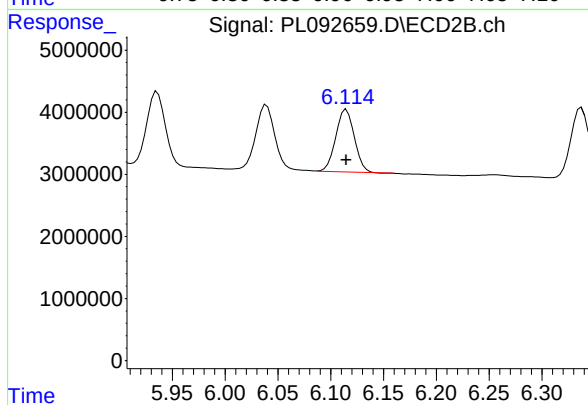
#17 4,4'-DDT

R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 13048754
Conc: 4.86 ng/ml



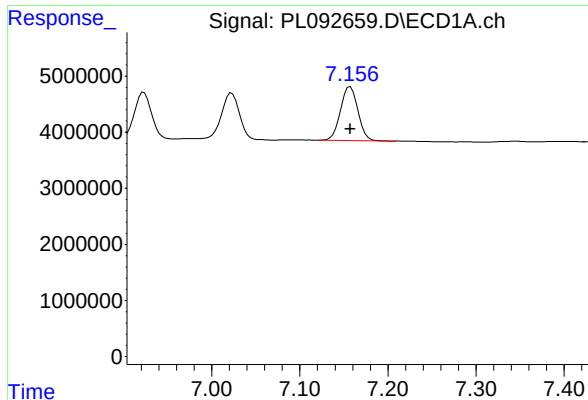
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 11226054
Conc: 5.98 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 12274278
Conc: 5.32 ng/ml



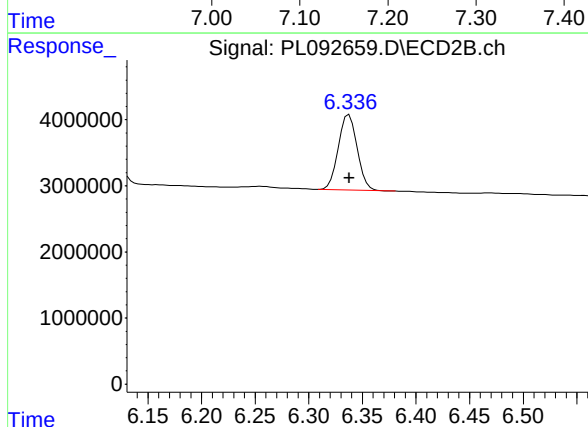
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 13167738
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

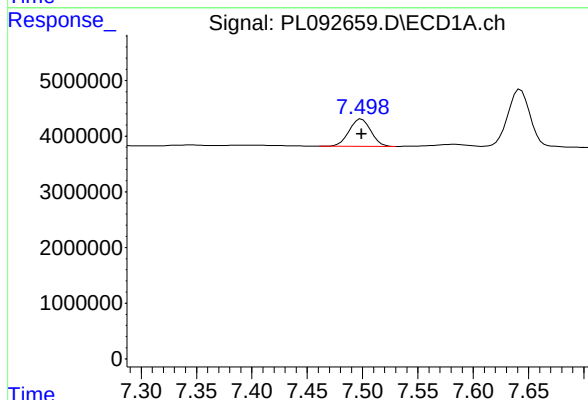
Manual Integrations
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Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



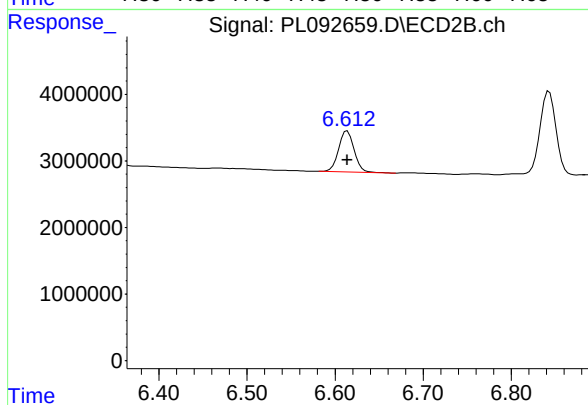
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 13973088
Conc: 5.18 ng/ml



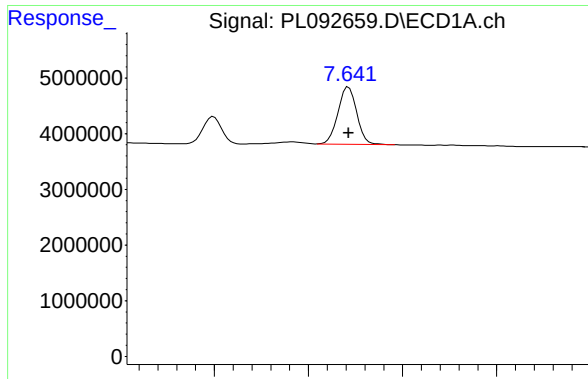
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 6705797
Conc: 5.88 ng/ml



#20 Methoxychlor

R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 7447941
Conc: 5.22 ng/ml



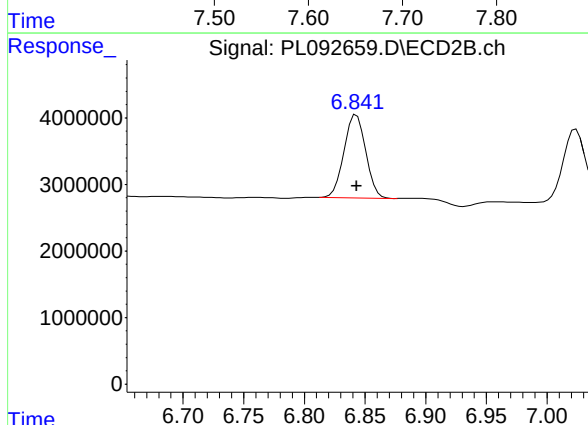
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 14342863
Conc: 5.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

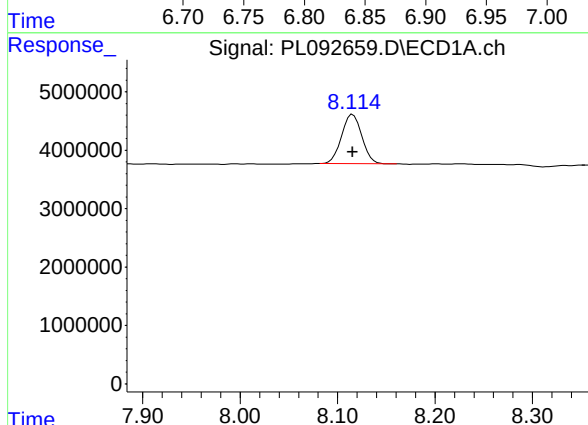
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



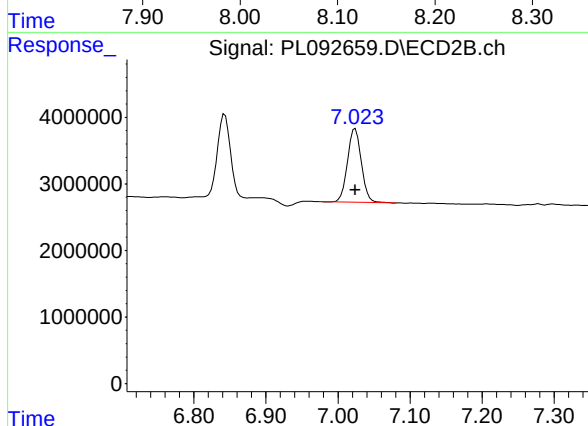
#21 Endrin ketone

R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 15604260
Conc: 5.08 ng/ml



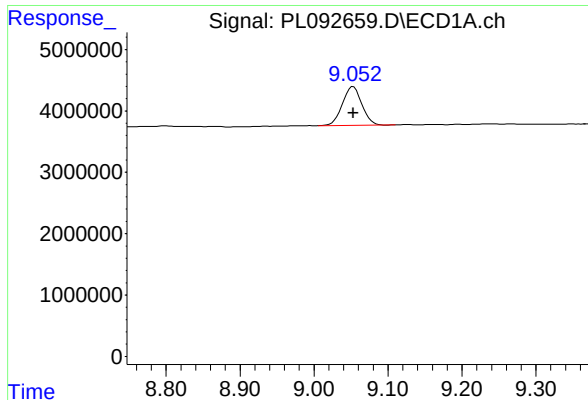
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 12209643
Conc: 6.16 ng/ml



#22 Mirex

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 14769955
Conc: 5.66 ng/ml



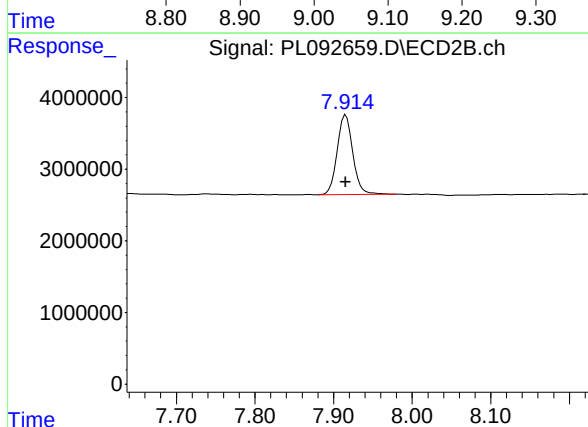
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 11544004
Conc: 6.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
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Supervised By :Ankita Jodhani 10/29/2024



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 15324471
Conc: 5.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
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: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.777	115.3E6	161.4E6	50.000	50.000
28) SA Decachlor...	9.055	7.916	90689456	133.2E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.702	3.776	53498186	52546046	500.000	500.000
24) Chlordane-2	5.231	4.352	55198384	60320369	500.000	500.000
25) Chlordane-3	5.941	4.982	186.2E6	180.5E6	500.000	500.000
26) Chlordane-4	6.023	5.045	229.2E6	173.4E6	500.000	500.000
27) Chlordane-5	6.872	5.941	46080525	62029874	500.000	500.000

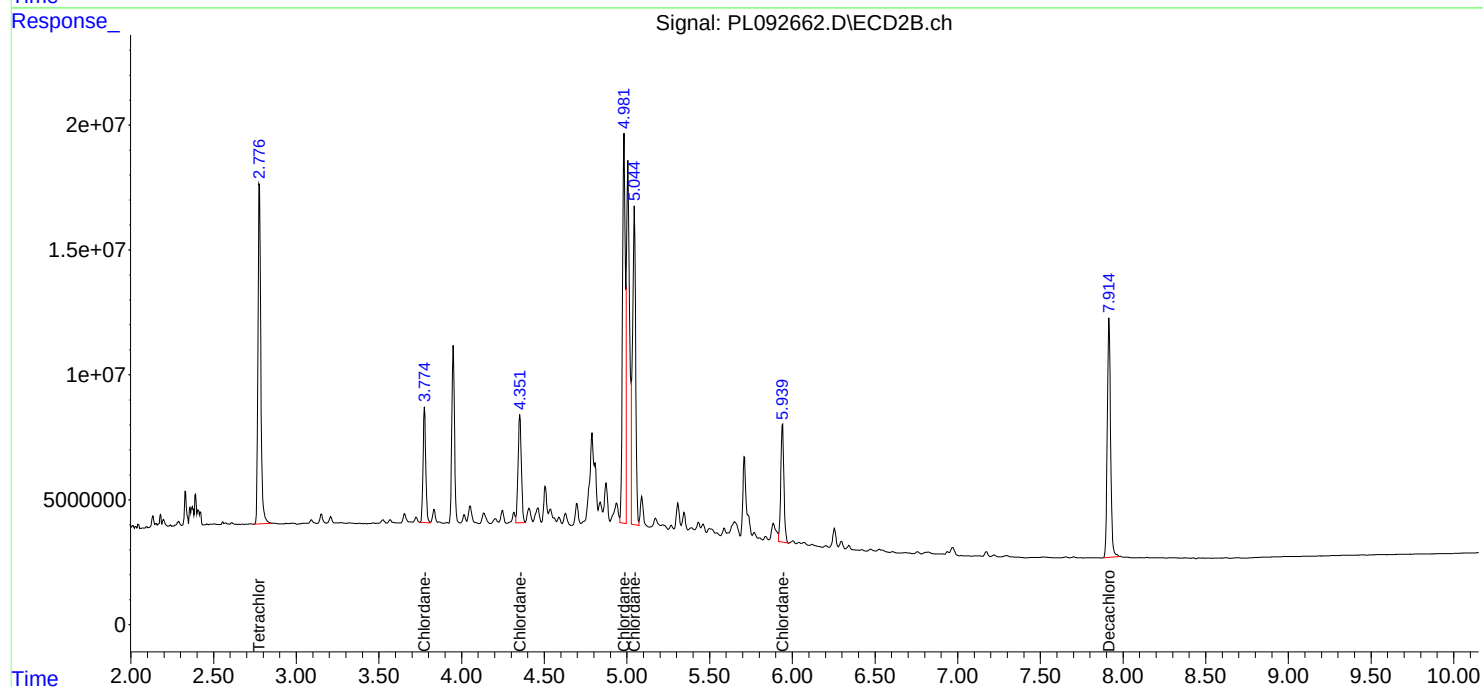
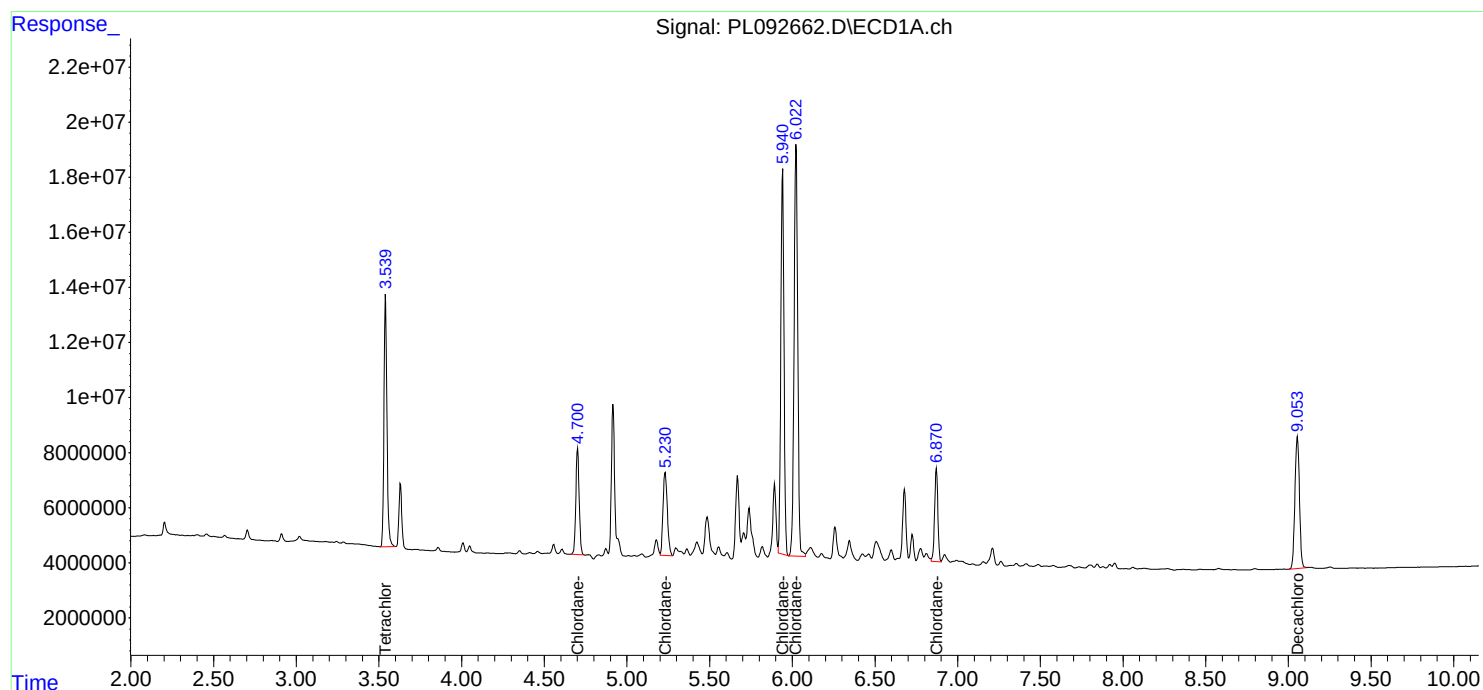
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

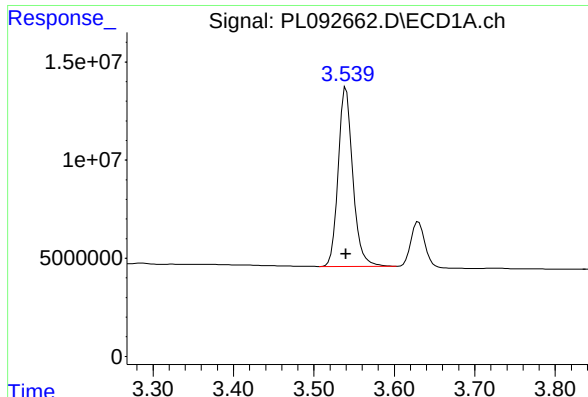
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

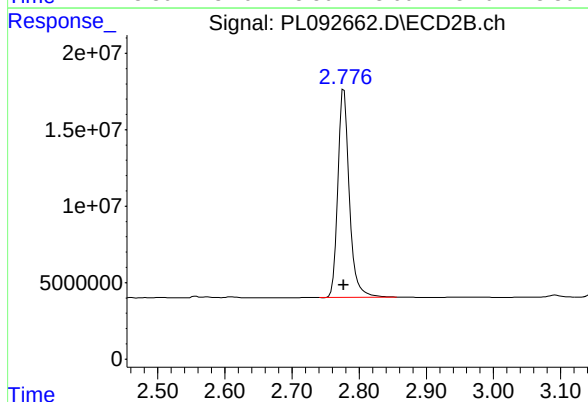




#1 Tetrachloro-m-xylene

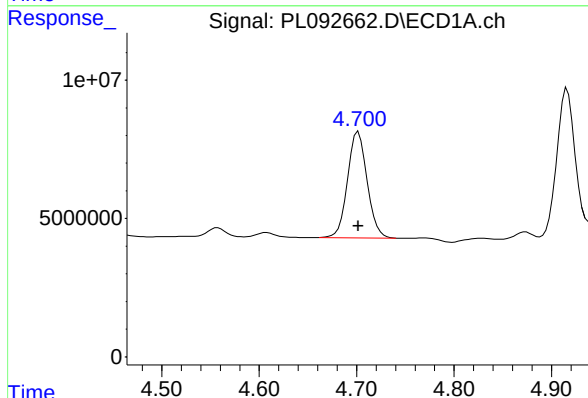
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 115296825
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



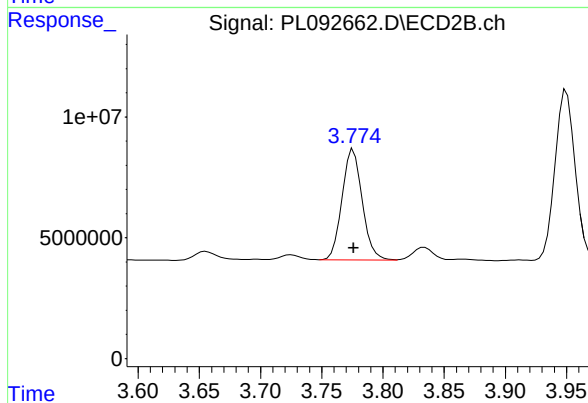
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 161359500
Conc: 50.00 ng/ml



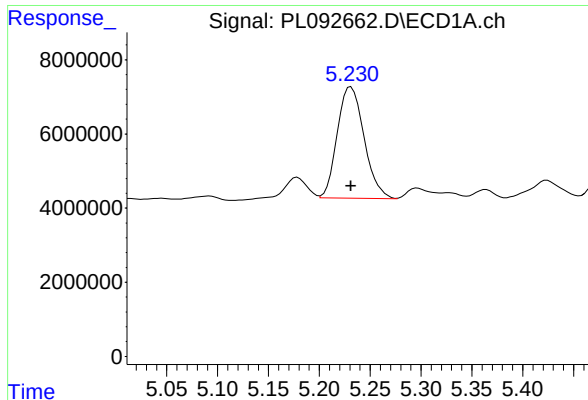
#23 Chlordane-1

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 53498186
Conc: 500.00 ng/ml



#23 Chlordane-1

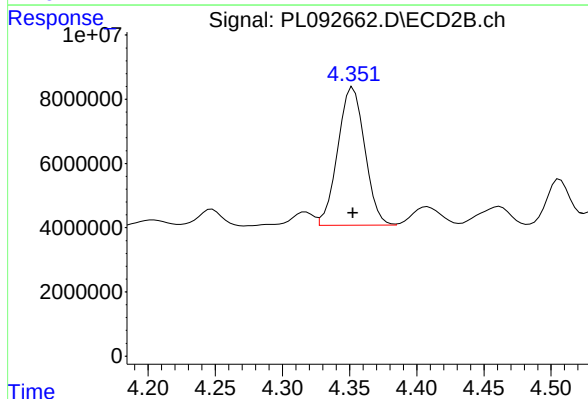
R.T.: 3.776 min
Delta R.T.: 0.000 min
Response: 52546046
Conc: 500.00 ng/ml



#24 Chlordane-2

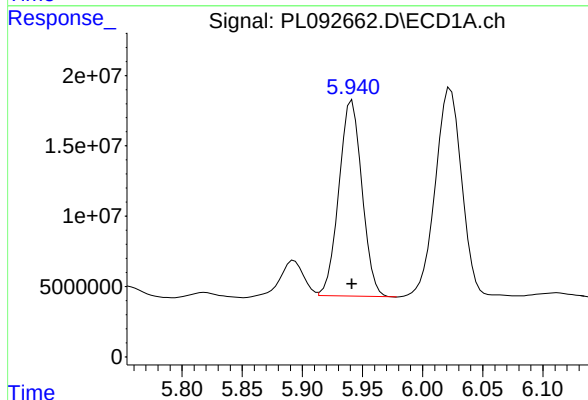
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 55198384
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



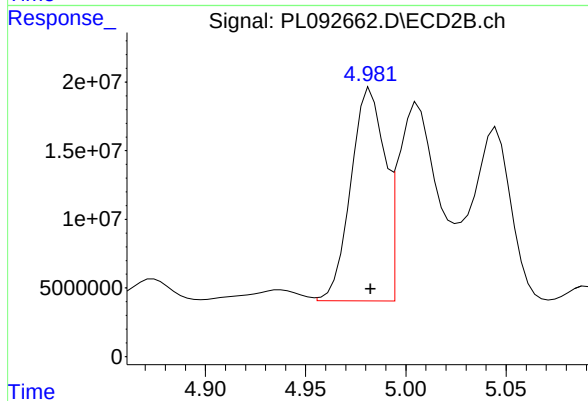
#24 Chlordane-2

R.T.: 4.352 min
Delta R.T.: 0.000 min
Response: 60320369
Conc: 500.00 ng/ml



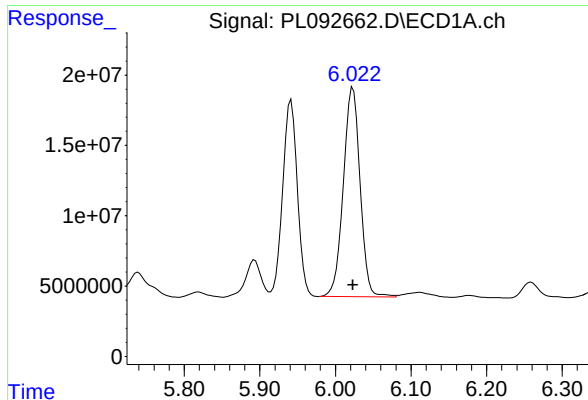
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 186194195
Conc: 500.00 ng/ml



#25 Chlordane-3

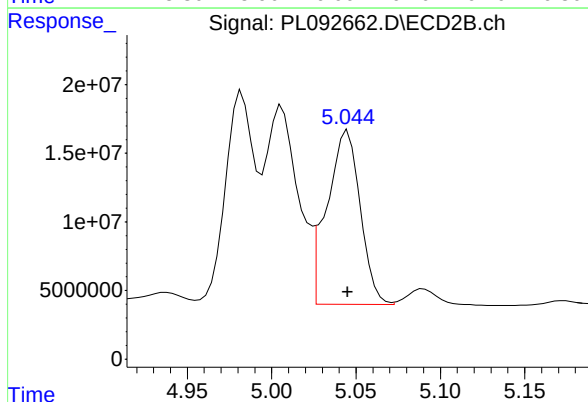
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 180524188
Conc: 500.00 ng/ml



#26 Chlordane-4

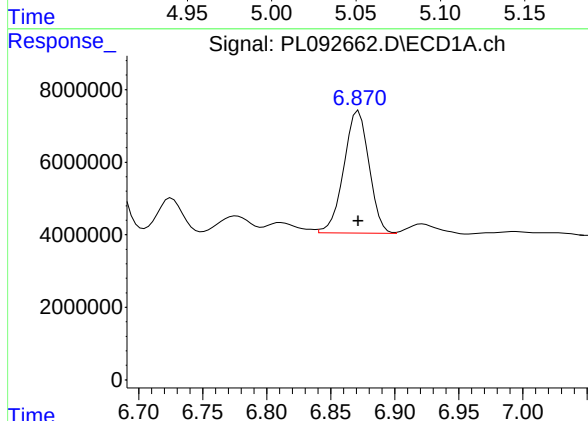
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 229202544
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



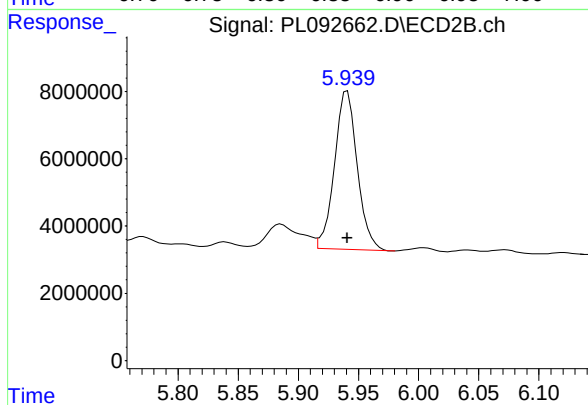
#26 Chlordane-4

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 173410376
Conc: 500.00 ng/ml



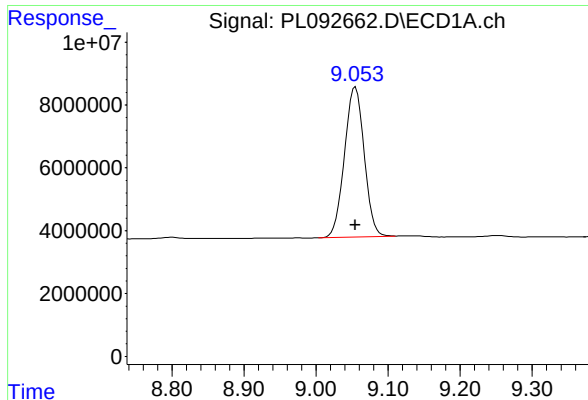
#27 Chlordane-5

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 46080525
Conc: 500.00 ng/ml



#27 Chlordane-5

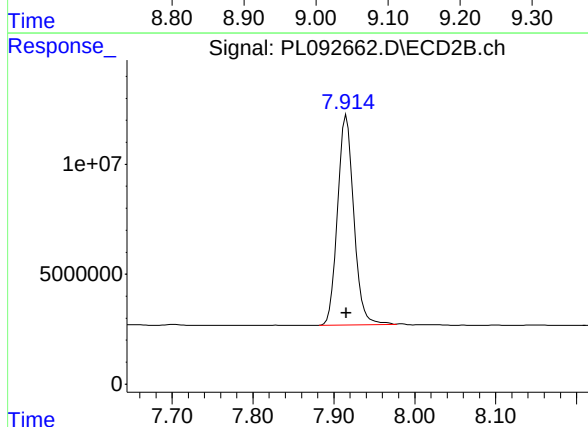
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 62029874
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 90689456
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 133232900
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
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: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	120.2E6	137.2E6	50.000	50.000
7) SA Decachlor...	9.054	7.916	94872630	139.2E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.237	5.007	11981208	9976373	500.000	500.000
3) Toxaphene-2	6.441	5.332	6911814	9874812	500.000	500.000
4) Toxaphene-3	7.058	6.605	39579915	35111261	500.000	500.000
5) Toxaphene-4	7.149	6.733	29901849	49168858	500.000	500.000
6) Toxaphene-5	7.934	7.045	22664593	32739853	500.000	500.000

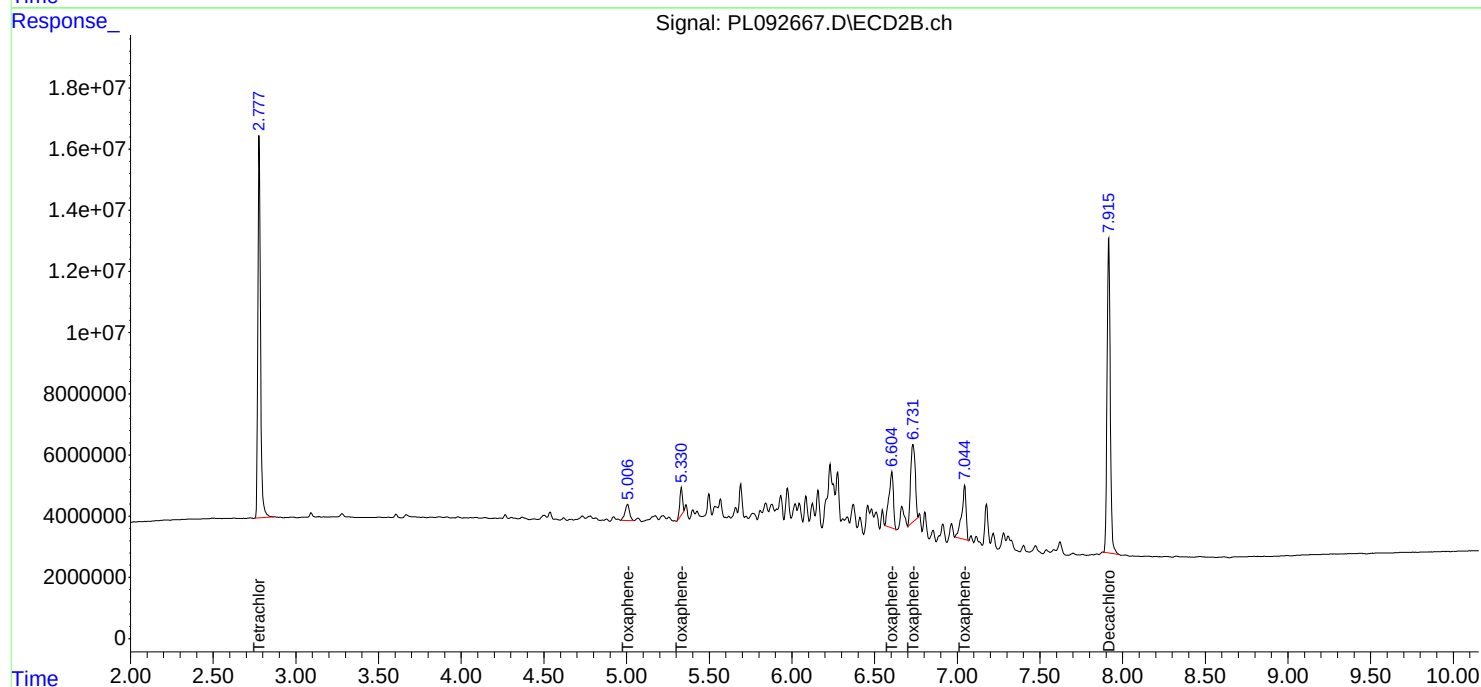
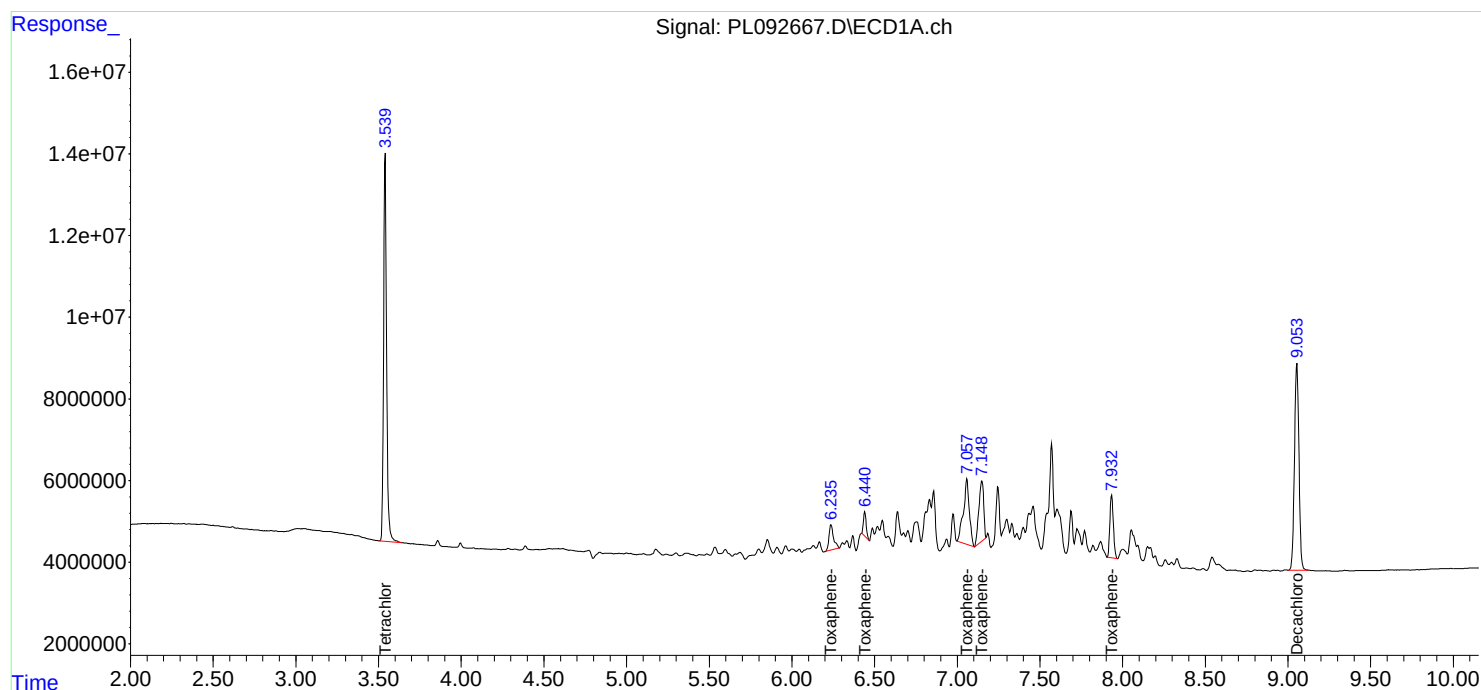
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

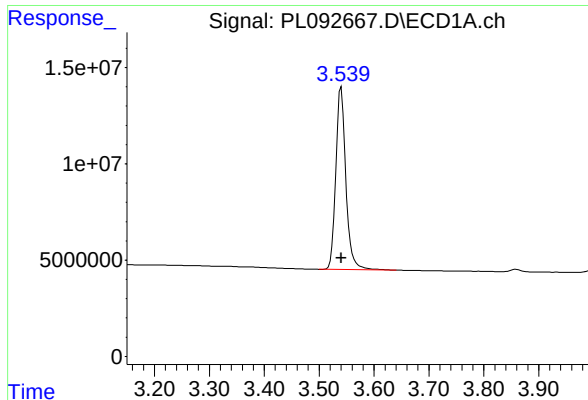
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

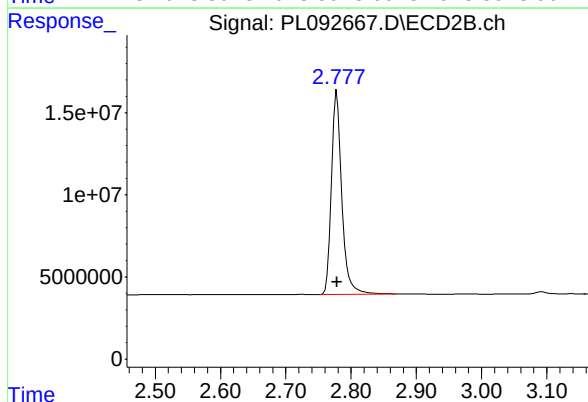




#1 Tetrachloro-m-xylene

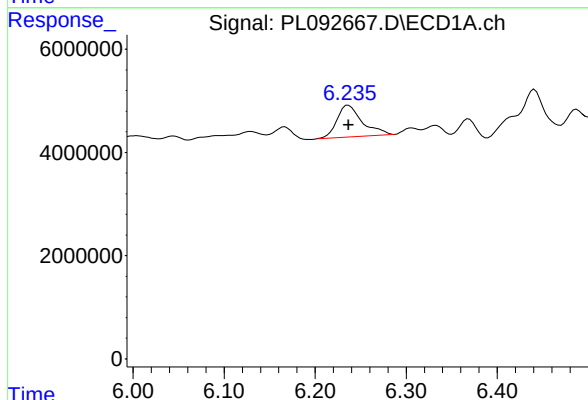
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 120174769
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



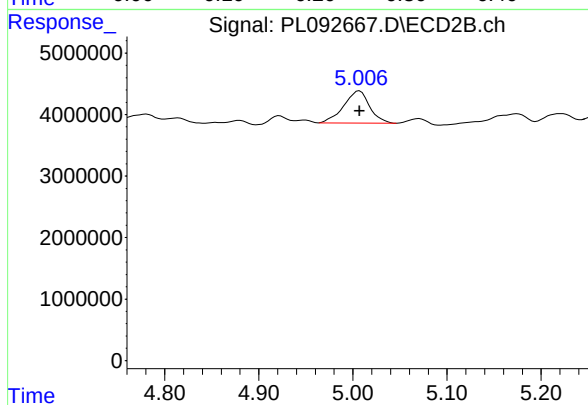
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 137198033
Conc: 50.00 ng/ml



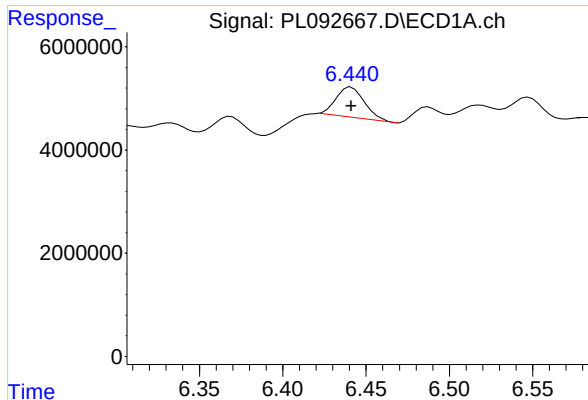
#2 Toxaphene-1

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 11981208
Conc: 500.00 ng/ml



#2 Toxaphene-1

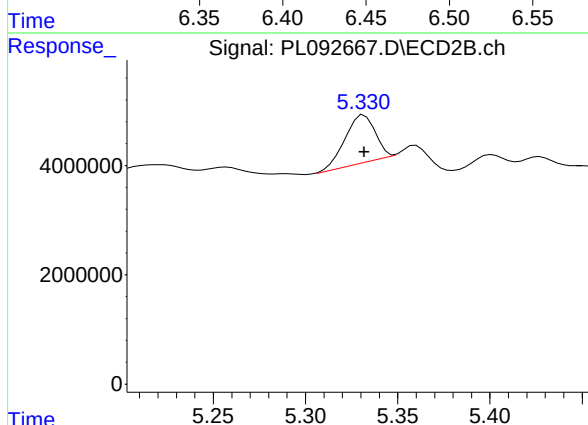
R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 9976373
Conc: 500.00 ng/ml



#3 Toxaphene-2

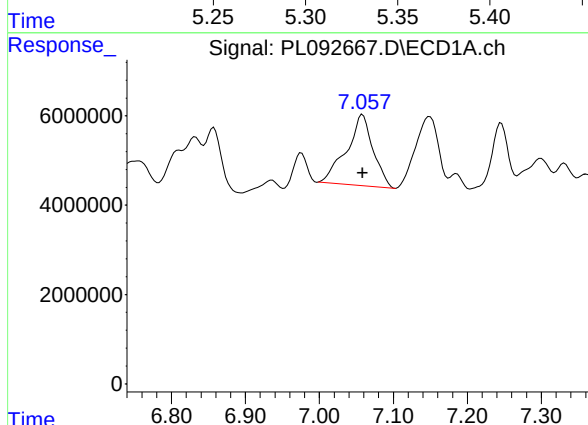
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 6911814
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



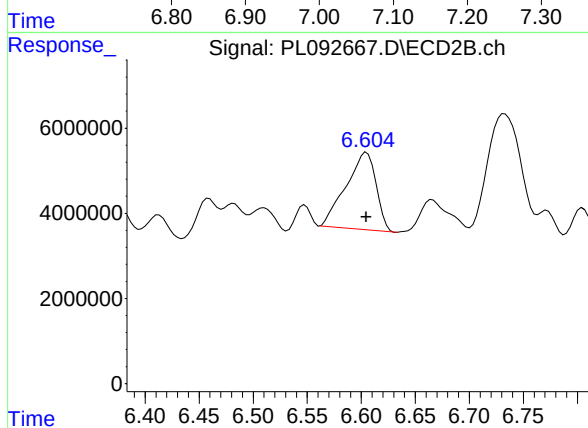
#3 Toxaphene-2

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 9874812
Conc: 500.00 ng/ml



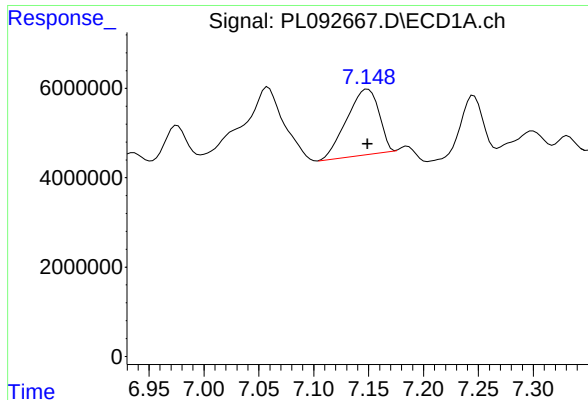
#4 Toxaphene-3

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 39579915
Conc: 500.00 ng/ml



#4 Toxaphene-3

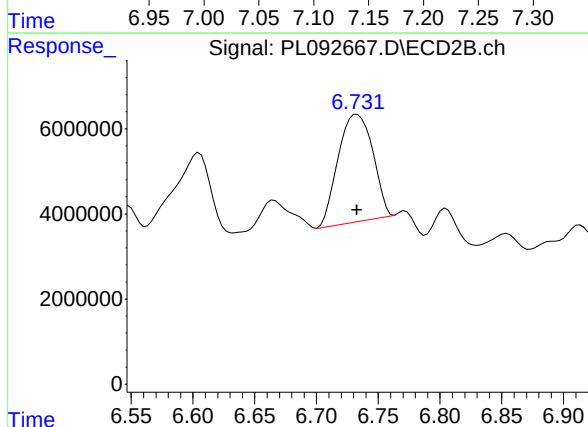
R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 35111261
Conc: 500.00 ng/ml



#5 Toxaphene-4

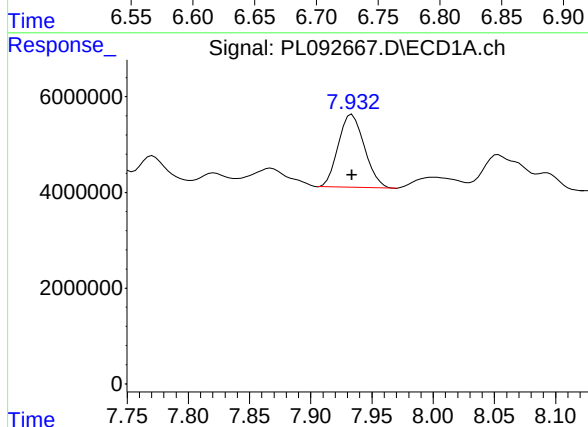
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 29901849
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



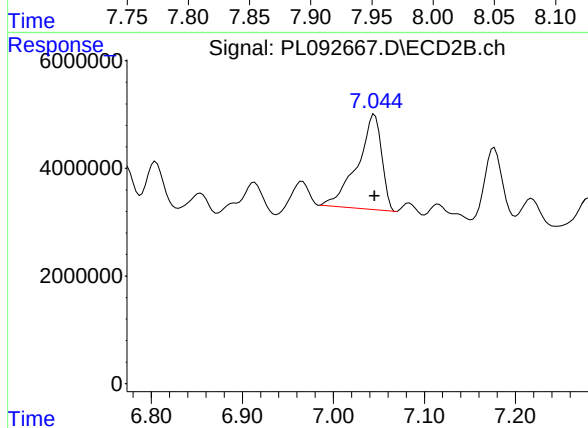
#5 Toxaphene-4

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 49168858
Conc: 500.00 ng/ml



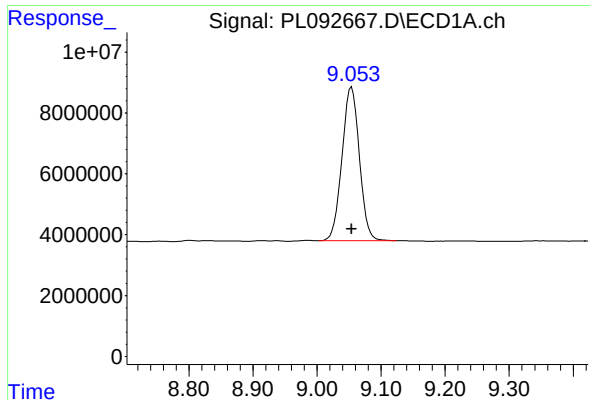
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 22664593
Conc: 500.00 ng/ml



#6 Toxaphene-5

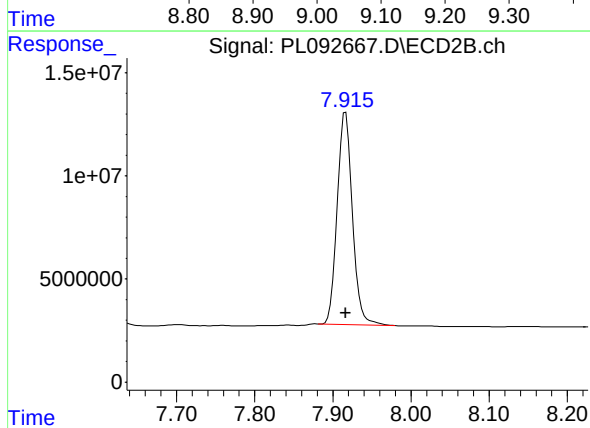
R.T.: 7.045 min
Delta R.T.: 0.000 min
Response: 32739853
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 94872630
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 139239048
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	119.9E6	136.6E6	48.932	50.204
28) SA Decachlor...	9.054	7.916	94182239	139.9E6	48.937	51.259
Target Compounds						
2) A alpha-BHC	3.996	3.281	167.5E6	204.0E6	49.379	51.127
3) MA gamma-BHC...	4.328	3.611	160.1E6	197.4E6	49.125	51.136
4) MA Heptachlor	4.916	3.950	147.0E6	192.1E6	48.942	50.906
5) MB Aldrin	5.258	4.230	145.8E6	187.4E6	48.580	51.194
6) B beta-BHC	4.526	3.911	70600682	82244973	48.843	49.959
7) B delta-BHC	4.773	4.140	153.4E6	196.7E6	49.025	51.190
8) B Heptachlo...	5.684	4.732	133.1E6	169.7E6	48.213	50.772
9) A Endosulfan I	6.069	5.102	121.8E6	154.2E6	48.702	50.518
10) B gamma-Chl...	5.941	4.982	129.8E6	169.3E6	48.769	50.359
11) B alpha-Chl...	6.019	5.046	129.4E6	167.6E6	48.847	50.380
12) B 4,4'-DDE	6.193	5.235	116.5E6	164.4E6	49.166	51.019
13) MA Dieldrin	6.345	5.366	129.0E6	171.0E6	48.947	51.185
14) MA Endrin	6.575	5.642	110.2E6	147.7E6	48.393	51.063
15) B Endosulfa...	6.794	5.937	115.4E6	145.0E6	48.417	51.175
16) A 4,4'-DDD	6.710	5.790	95447383	127.7E6	49.724	51.292
17) MA 4,4'-DDT	7.024	6.040	102.8E6	137.5E6	49.676	51.253
18) B Endrin al...	6.924	6.116	91870810	116.2E6	48.920	50.348
19) B Endosulfa...	7.159	6.339	106.0E6	136.5E6	48.859	50.601
20) A Methoxychlor	7.500	6.615	57010538	73335025	50.009	51.354
21) B Endrin ke...	7.644	6.844	118.9E6	157.6E6	49.074	51.358
22) Mirex	8.117	7.025	96541027	131.1E6	48.716	50.260

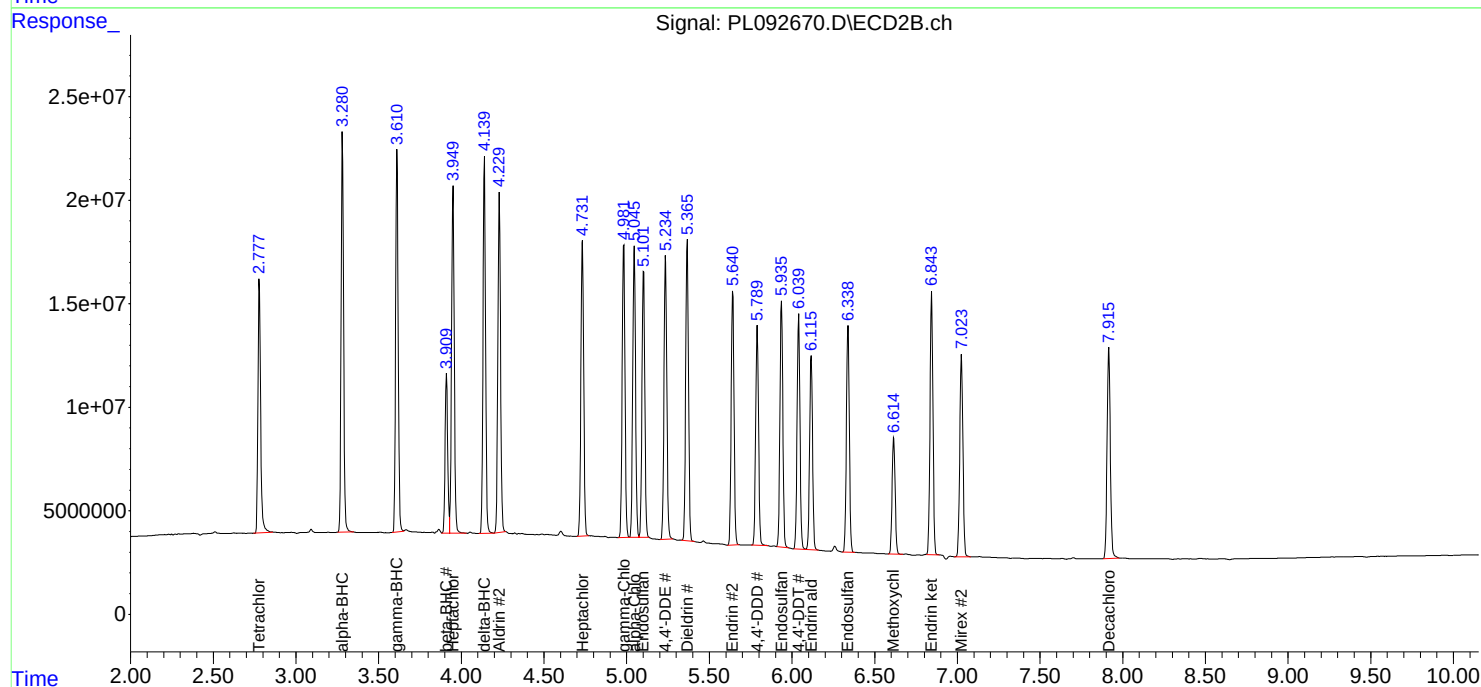
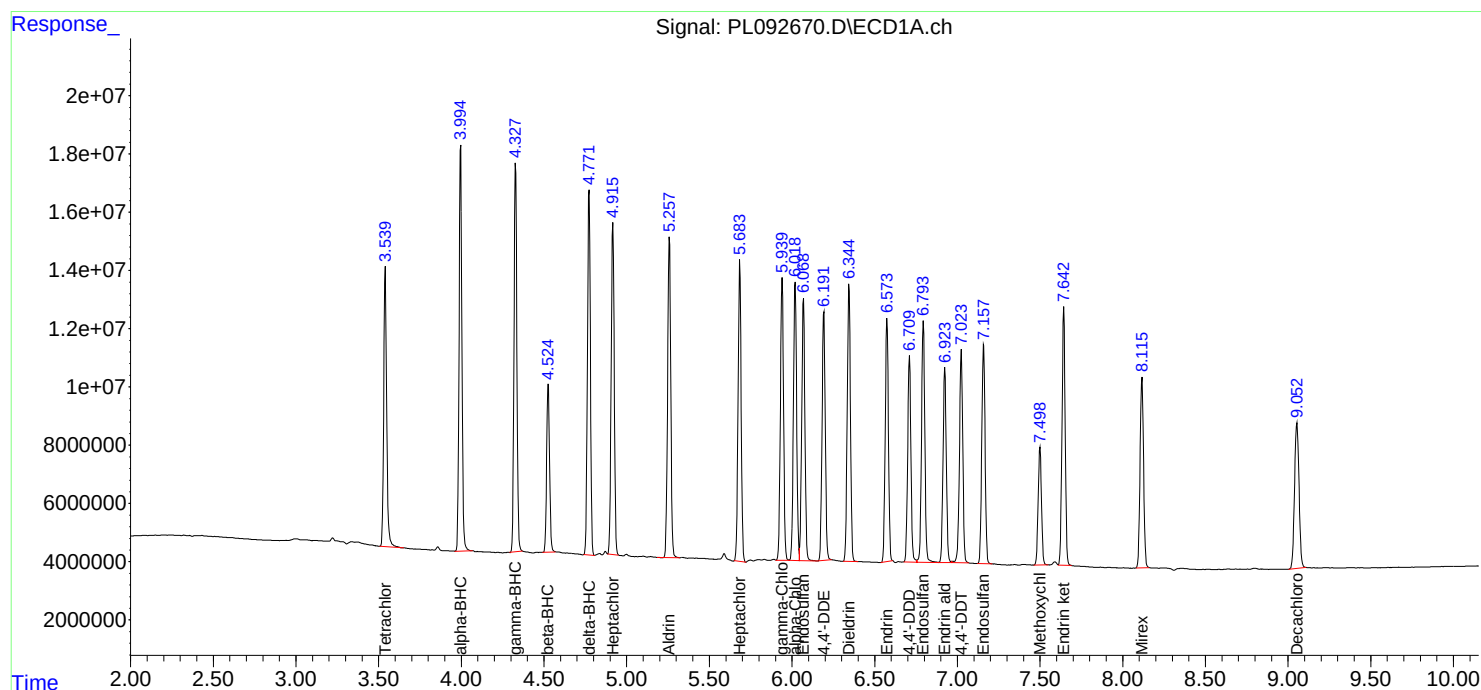
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

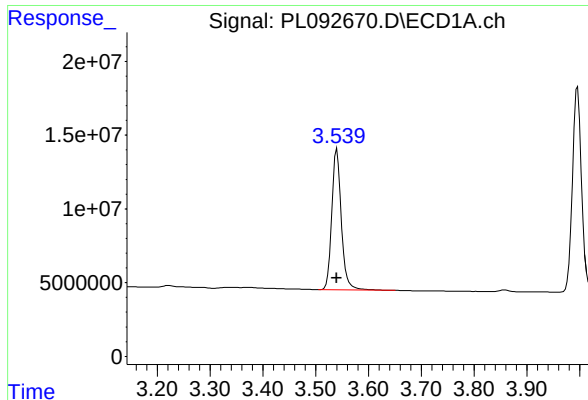
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

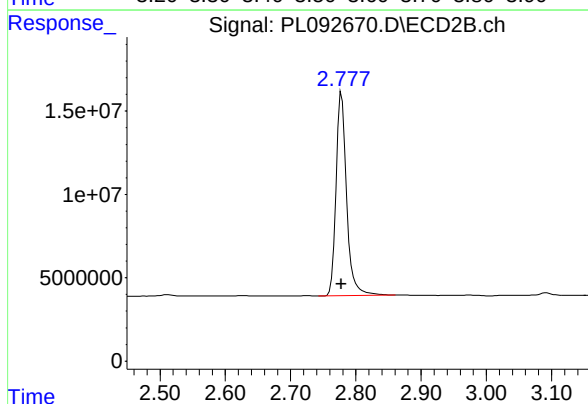




#1 Tetrachloro-m-xylene

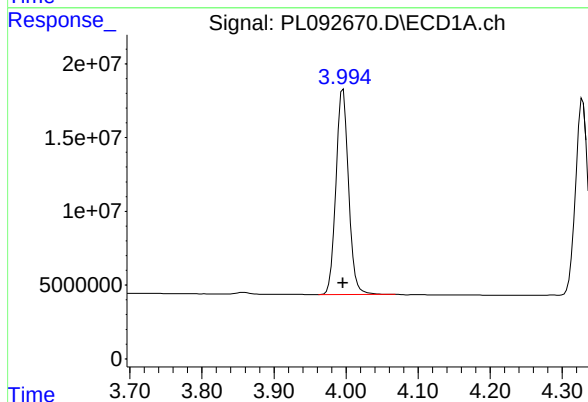
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 119894040
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



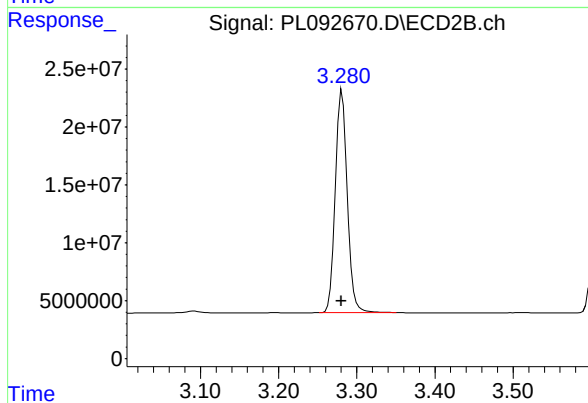
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 136612875
Conc: 50.20 ng/ml



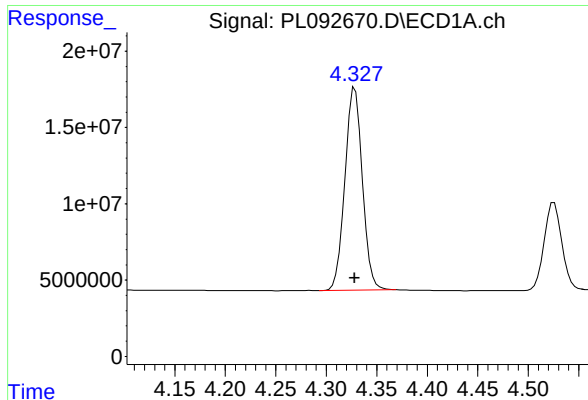
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 167471945
Conc: 49.38 ng/ml



#2 alpha-BHC

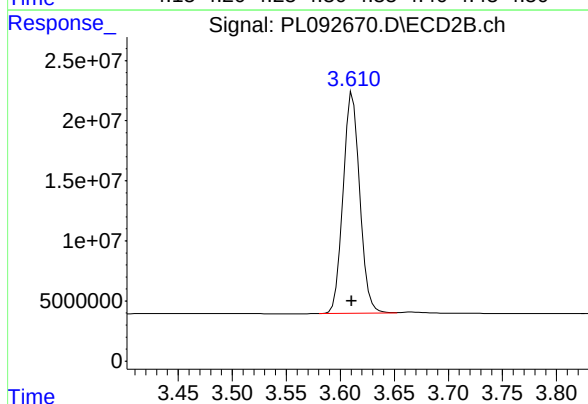
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 204007265
Conc: 51.13 ng/ml



#3 gamma-BHC (Lindane)

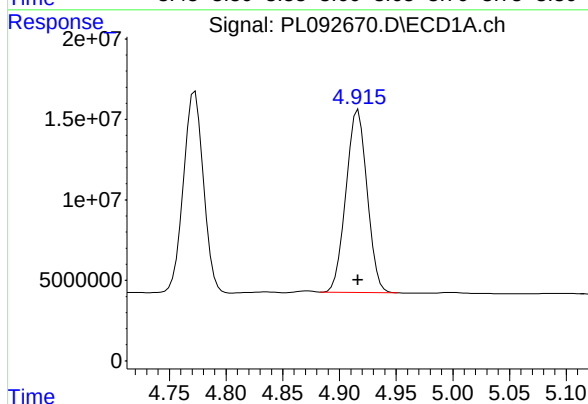
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 160127339
Conc: 49.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



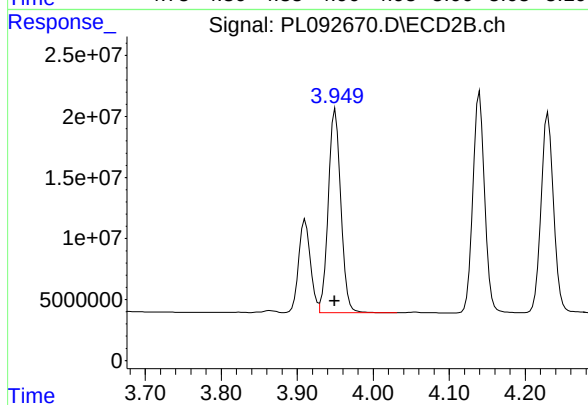
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 197357198
Conc: 51.14 ng/ml



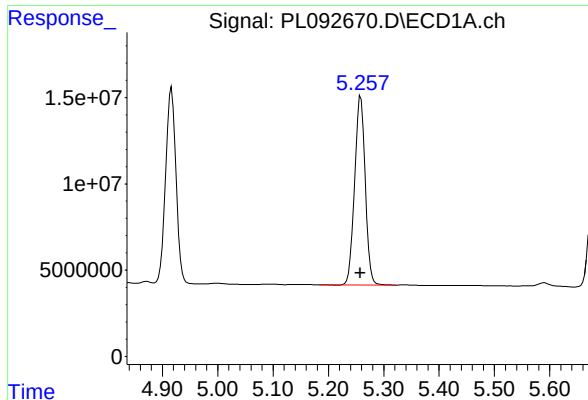
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 146978729
Conc: 48.94 ng/ml



#4 Heptachlor

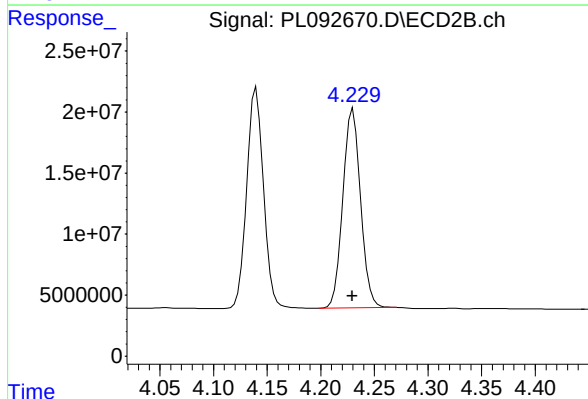
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 192115939
Conc: 50.91 ng/ml



#5 Aldrin

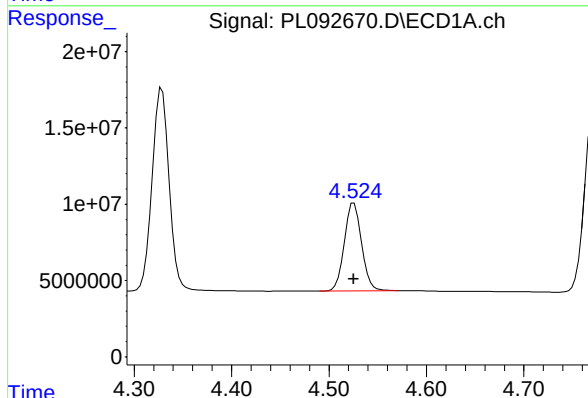
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 145812041
Conc: 48.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



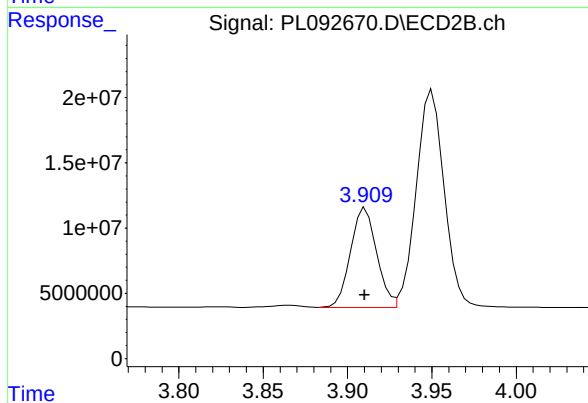
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 187380758
Conc: 51.19 ng/ml



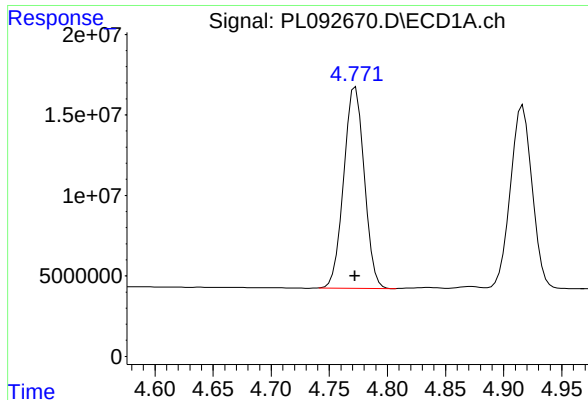
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 70600682
Conc: 48.84 ng/ml



#6 beta-BHC

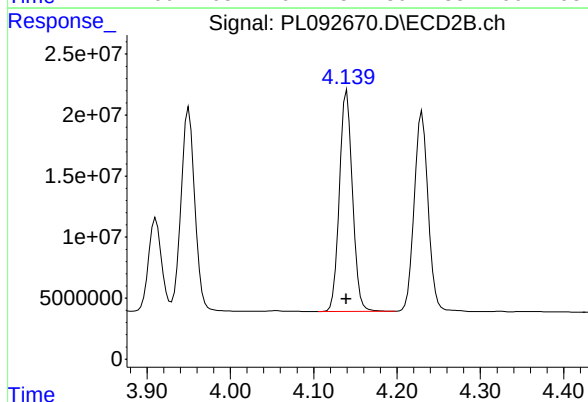
R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 82244973
Conc: 49.96 ng/ml



#7 delta-BHC

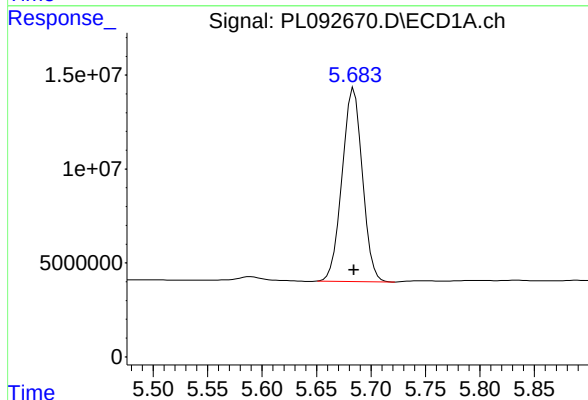
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 153441275
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



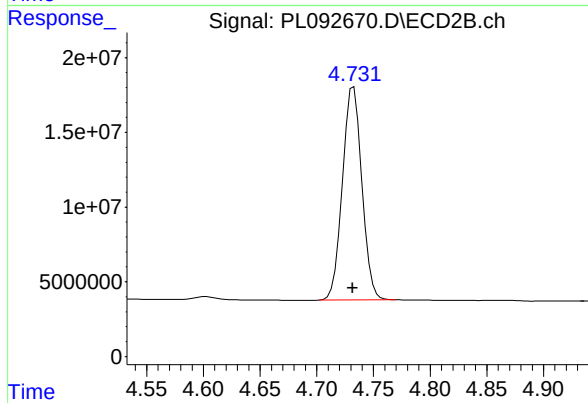
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 196730806
Conc: 51.19 ng/ml



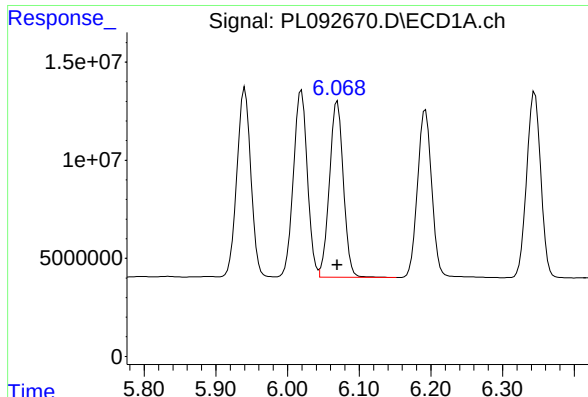
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 133135555
Conc: 48.21 ng/ml



#8 Heptachlor epoxide

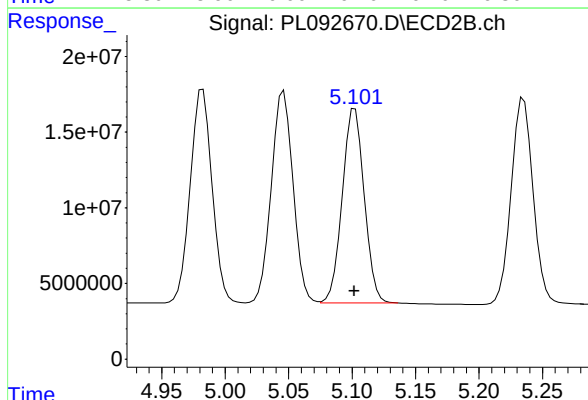
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 169651322
Conc: 50.77 ng/ml



#9 Endosulfan I

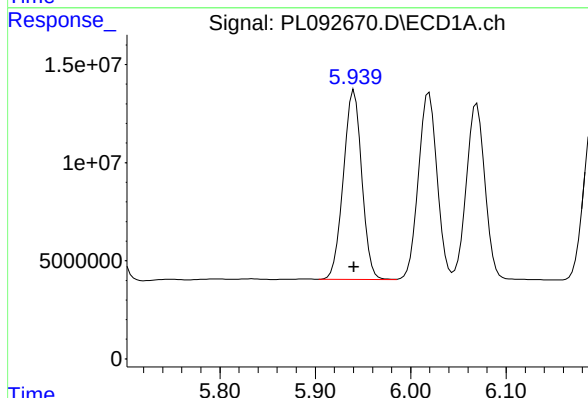
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 121820594
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



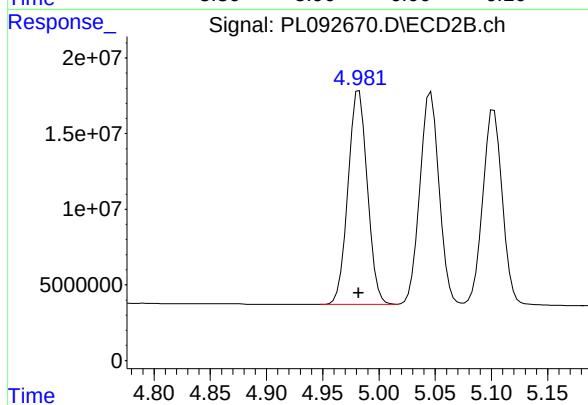
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 154238046
Conc: 50.52 ng/ml



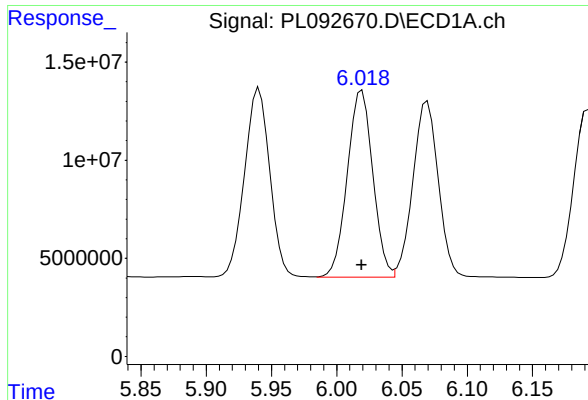
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 129757652
Conc: 48.77 ng/ml



#10 gamma-Chlordane

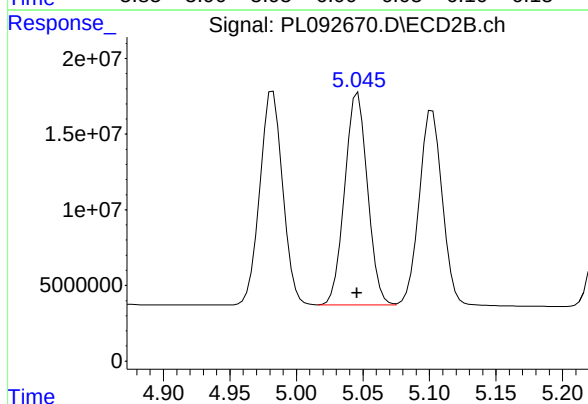
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 169290196
Conc: 50.36 ng/ml



#11 alpha-Chlordane

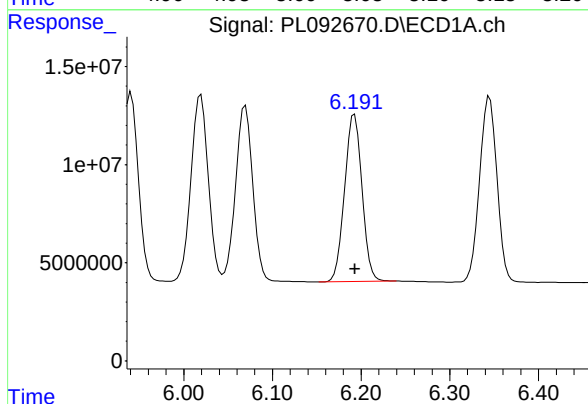
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 129353627
Conc: 48.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



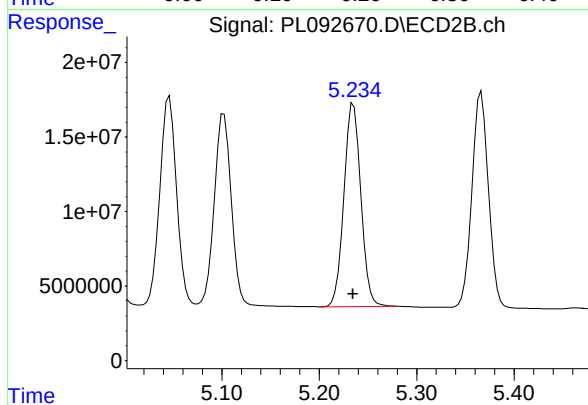
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 167566027
Conc: 50.38 ng/ml



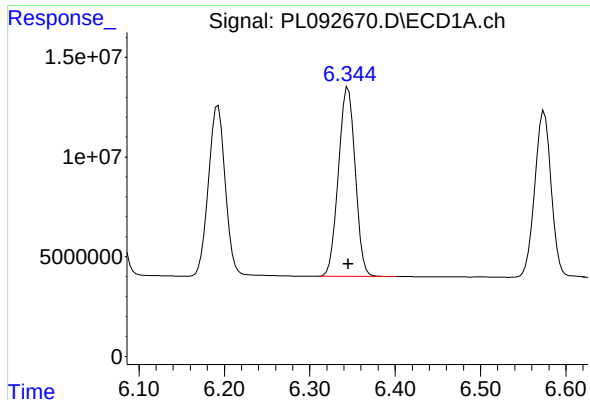
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 116483163
Conc: 49.17 ng/ml



#12 4,4'-DDE

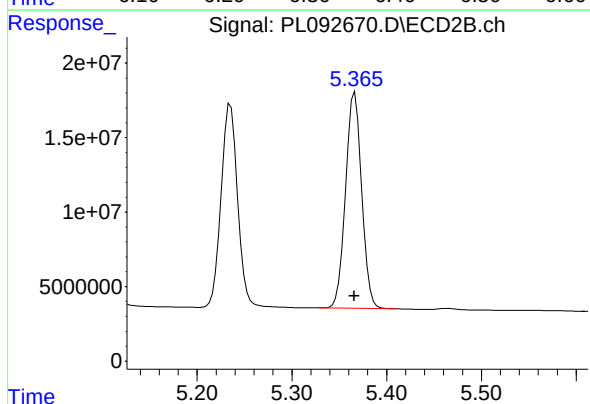
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 164362547
Conc: 51.02 ng/ml



#13 Dieldrin

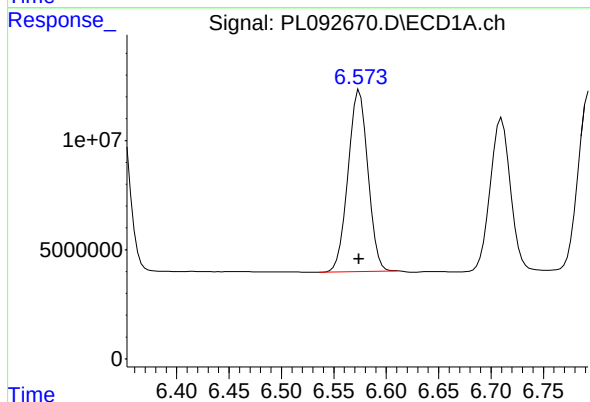
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 128997763
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



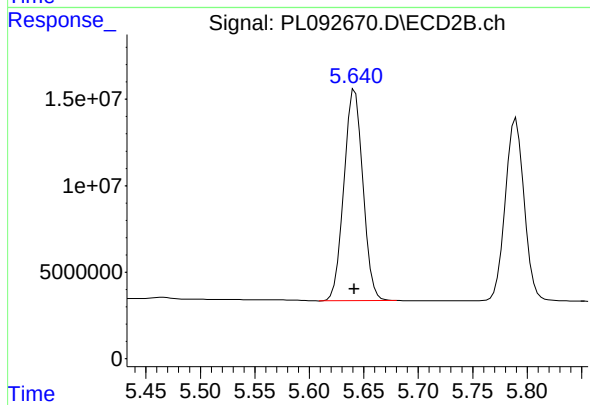
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 170974393
Conc: 51.19 ng/ml



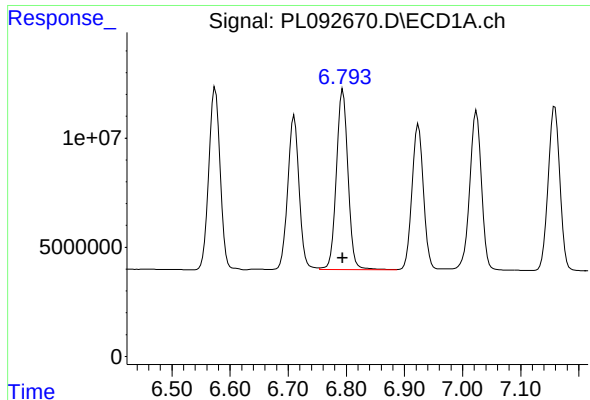
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 110175171
Conc: 48.39 ng/ml



#14 Endrin

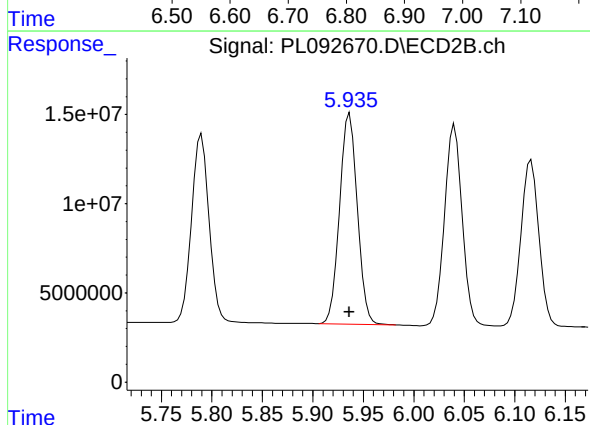
R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 147725555
Conc: 51.06 ng/ml



#15 Endosulfan II

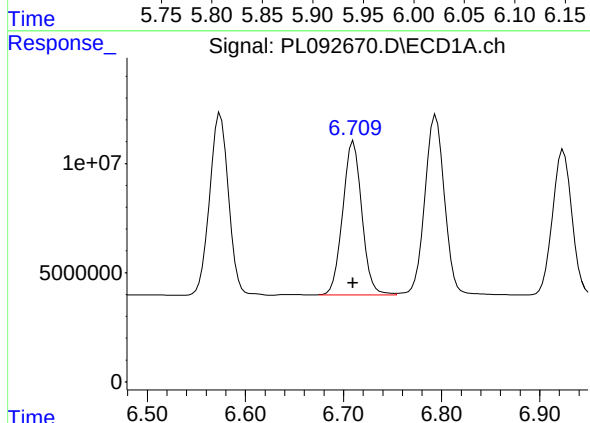
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 115418913
Conc: 48.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



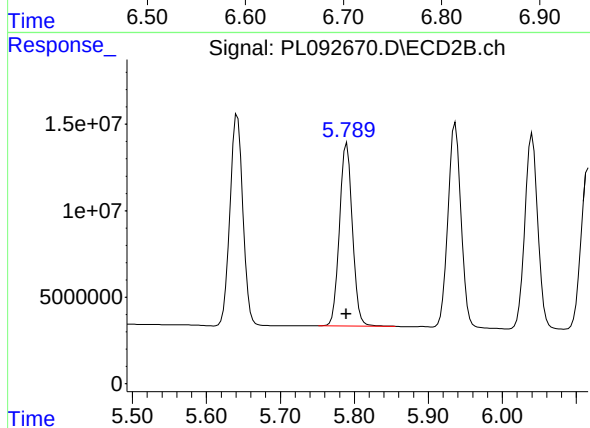
#15 Endosulfan II

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 144993177
Conc: 51.18 ng/ml



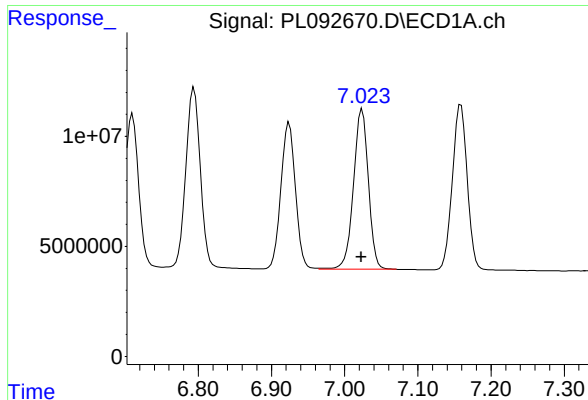
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 95447383
Conc: 49.72 ng/ml



#16 4,4'-DDD

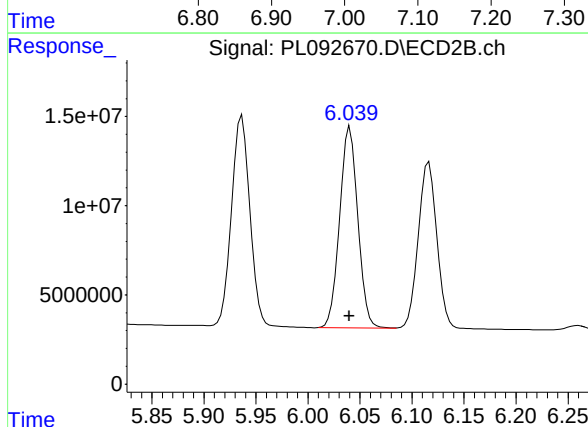
R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 127721374
Conc: 51.29 ng/ml



#17 4,4'-DDT

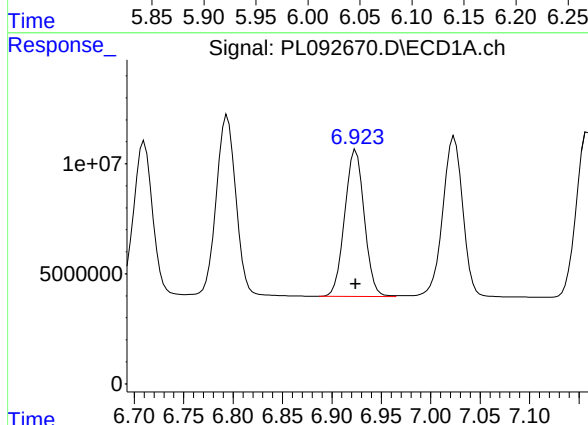
R.T.: 7.024 min
Delta R.T.: 0.001 min
Response: 102816318
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



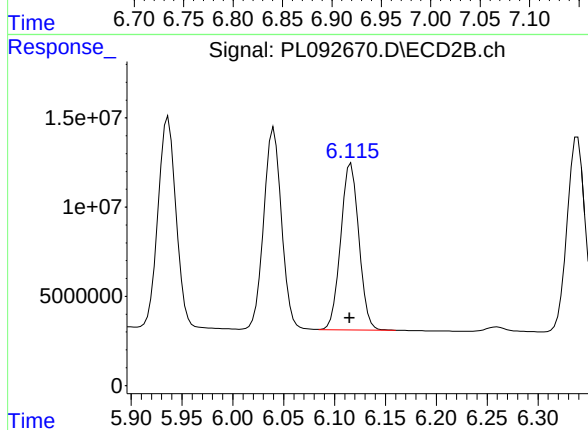
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 137472801
Conc: 51.25 ng/ml



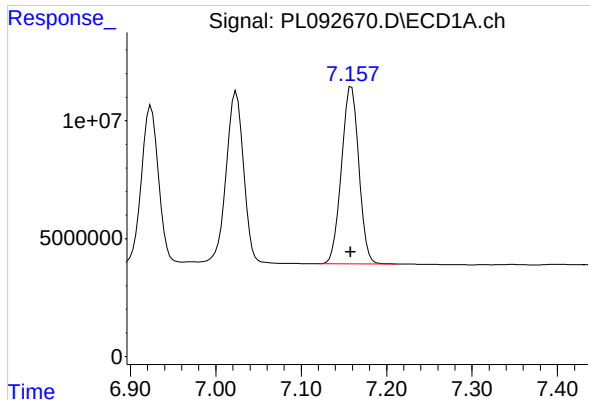
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 91870810
Conc: 48.92 ng/ml



#18 Endrin aldehyde

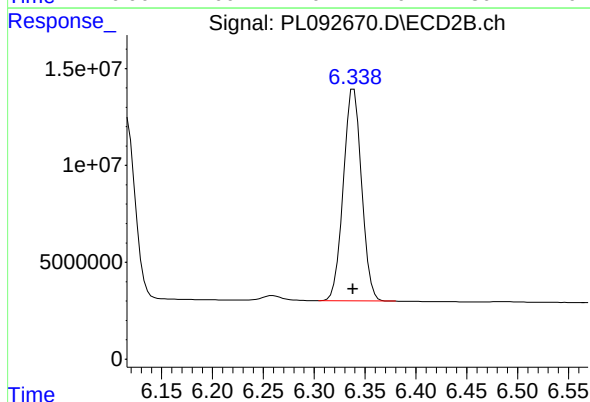
R.T.: 6.116 min
Delta R.T.: 0.001 min
Response: 116166072
Conc: 50.35 ng/ml



#19 Endosulfan Sulfate

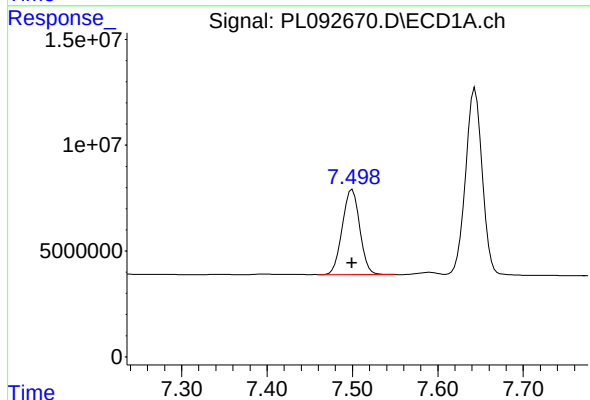
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 106041409
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



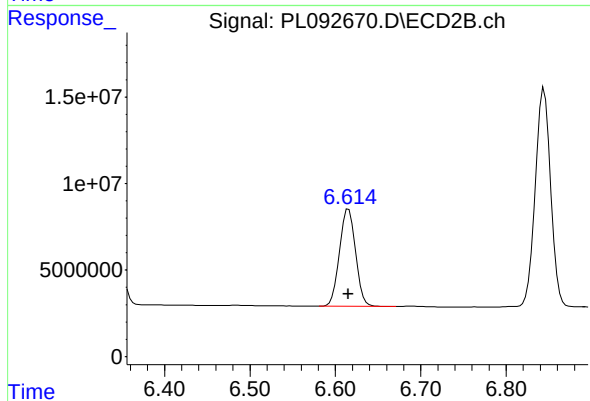
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 136465051
Conc: 50.60 ng/ml



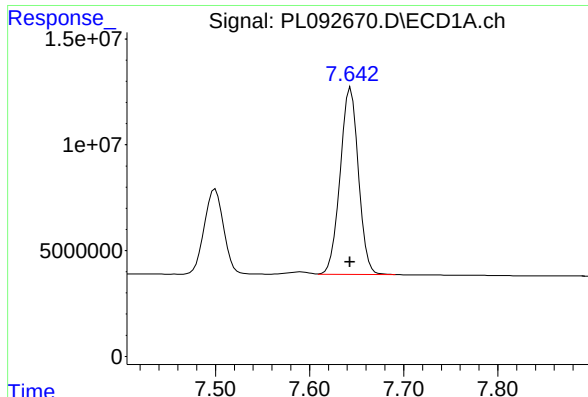
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 57010538
Conc: 50.01 ng/ml



#20 Methoxychlor

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 73335025
Conc: 51.35 ng/ml



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 118896481
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

#21 Endrin ketone

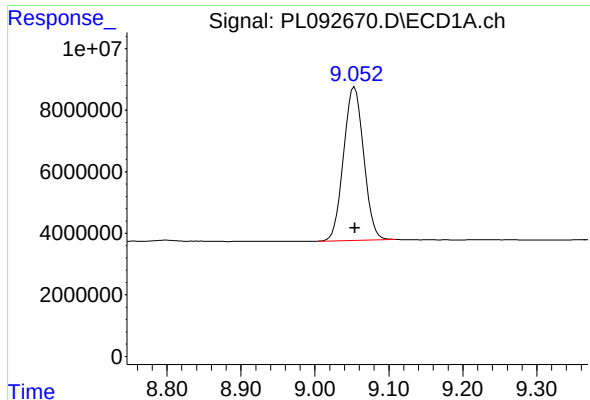
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 157606816
Conc: 51.36 ng/ml

#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 96541027
Conc: 48.72 ng/ml

#22 Mirex

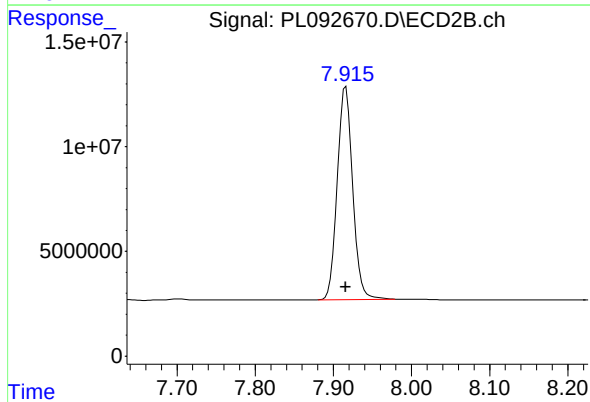
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 131132711
Conc: 50.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 94182239
Conc: 48.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL102824



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 139898166
Conc: 51.26 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
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	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092639.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	45.080	50.000	-9.8
4,4'-DDE	6.194	6.092	6.292	43.730	50.000	-12.5
4,4'-DDT	7.026	6.924	7.124	45.250	50.000	-9.5
Aldrin	5.259	5.157	5.357	44.540	50.000	-10.9
alpha-BHC	3.997	3.894	4.094	46.730	50.000	-6.5
alpha-Chlordane	6.021	5.918	6.118	44.250	50.000	-11.5
beta-BHC	4.527	4.424	4.624	51.520	50.000	3.0
Decachlorobiphenyl	9.057	8.955	9.155	51.240	50.000	2.5
delta-BHC	4.774	4.671	4.871	46.780	50.000	-6.4
Dieldrin	6.347	6.245	6.445	44.060	50.000	-11.9
Endosulfan I	6.071	5.969	6.169	44.900	50.000	-10.2
Endosulfan II	6.796	6.694	6.894	44.130	50.000	-11.7
Endosulfan sulfate	7.161	7.059	7.259	46.110	50.000	-7.8
Endrin	6.577	6.474	6.674	43.260	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	47.780	50.000	-4.4
Endrin ketone	7.646	7.544	7.744	47.870	50.000	-4.3
gamma-BHC (Lindane)	4.330	4.227	4.427	47.880	50.000	-4.2
gamma-Chlordane	5.942	5.839	6.039	44.330	50.000	-11.3
Heptachlor	4.917	4.815	5.015	46.560	50.000	-6.9
Heptachlor epoxide	5.685	5.583	5.783	45.530	50.000	-8.9
Methoxychlor	7.501	7.400	7.600	51.890	50.000	3.8
Tetrachloro-m-xylene	3.541	3.438	3.638	50.750	50.000	1.5



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092639.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	53.200	50.000	6.4
4,4'-DDE	5.236	5.134	5.334	54.690	50.000	9.4
4,4'-DDT	6.042	5.940	6.140	52.500	50.000	5.0
Aldrin	4.231	4.129	4.329	54.250	50.000	8.5
alpha-BHC	3.282	3.180	3.380	55.250	50.000	10.5
alpha-Chlordane	5.047	4.945	5.145	53.760	50.000	7.5
beta-BHC	3.912	3.810	4.010	54.050	50.000	8.1
Decachlorobiphenyl	7.918	7.817	8.017	58.290	50.000	16.6
delta-BHC	4.141	4.038	4.238	54.080	50.000	8.2
Dieldrin	5.368	5.266	5.466	53.240	50.000	6.5
Endosulfan I	5.103	5.001	5.201	54.670	50.000	9.3
Endosulfan II	5.937	5.836	6.036	52.390	50.000	4.8
Endosulfan sulfate	6.340	6.238	6.438	51.960	50.000	3.9
Endrin	5.643	5.541	5.741	53.930	50.000	7.9
Endrin aldehyde	6.118	6.016	6.216	53.070	50.000	6.1
Endrin ketone	6.844	6.744	6.944	55.890	50.000	11.8
gamma-BHC (Lindane)	3.612	3.510	3.710	55.850	50.000	11.7
gamma-Chlordane	4.984	4.881	5.081	52.600	50.000	5.2
Heptachlor	3.951	3.849	4.049	54.990	50.000	10.0
Heptachlor epoxide	4.734	4.631	4.831	54.980	50.000	10.0
Methoxychlor	6.617	6.515	6.715	57.220	50.000	14.4
Tetrachloro-m-xylene	2.779	2.677	2.877	56.350	50.000	12.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
 Data File : PL092639.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 15:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:11:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.779	136.7E6	156.5E6	50.749	56.347
28)	SA Decachlor...	9.057	7.918	104.1E6	153.6E6	51.241	58.289
Target Compounds							
2)	A alpha-BHC	3.997	3.282	192.6E6	238.4E6	46.728	55.247
3)	MA gamma-BHC...	4.330	3.612	184.2E6	230.0E6	47.876	55.851
4)	MA Heptachlor	4.917	3.951	165.1E6	220.8E6	46.557m	54.994
5)	MB Aldrin	5.259	4.231	163.8E6	215.7E6	44.538m	54.251
6)	B beta-BHC	4.527	3.912	79973723	94361944	51.519	54.046
7)	B delta-BHC	4.774	4.141	176.0E6	227.5E6	46.779	54.079
8)	B Heptachlo...	5.685	4.734	151.2E6	193.7E6	45.528m	54.977
9)	A Endosulfan I	6.071	5.103	135.6E6	174.0E6	44.899	54.671
10)	B gamma-Chl...	5.942	4.984	146.1E6	193.5E6	44.328	52.600
11)	B alpha-Chl...	6.021	5.047	144.1E6	191.1E6	44.247	53.765
12)	B 4,4'-DDE	6.194	5.236	129.7E6	190.2E6	43.728	54.692 #
13)	MA Dieldrin	6.347	5.368	143.3E6	194.6E6	44.064	53.244
14)	MA Endrin	6.577	5.643	122.1E6	176.6E6	43.256	53.927
15)	B Endosulfa...	6.796	5.937	124.9E6	163.8E6	44.128	52.387m
16)	A 4,4'-DDD	6.712	5.790	108.9E6	147.8E6	45.083	53.200m
17)	MA 4,4'-DDT	7.026	6.042	111.6E6	154.2E6	45.252	52.496
18)	B Endrin al...	6.926	6.118	102.1E6	130.4E6	47.781	53.071
19)	B Endosulfa...	7.161	6.340	116.5E6	153.6E6	46.106	51.965
20)	A Methoxychlor	7.501	6.617	61106211	81136617	51.886m	57.224
21)	B Endrin ke...	7.646	6.844	131.6E6	179.5E6	47.865	55.892m
22)	Mirex	8.119	7.027	103.1E6	145.2E6	49.403	55.541

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092639.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 15:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

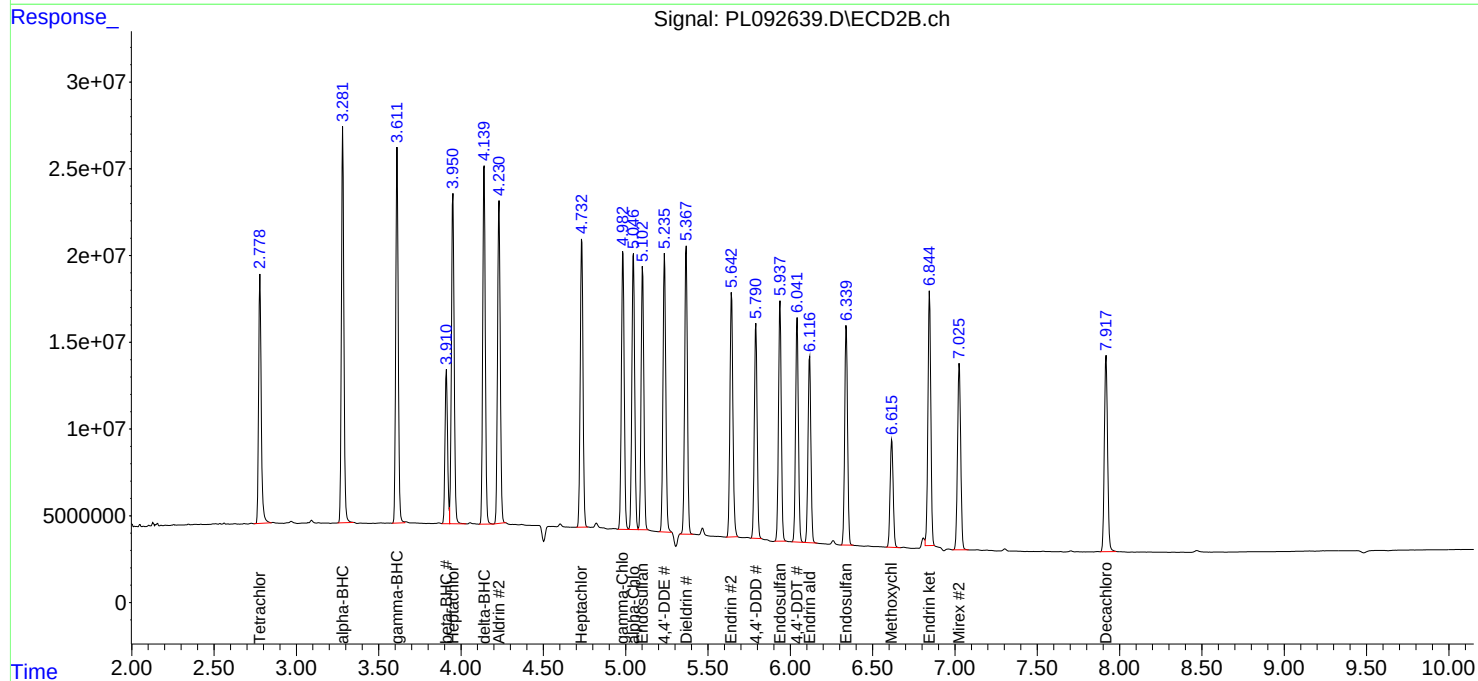
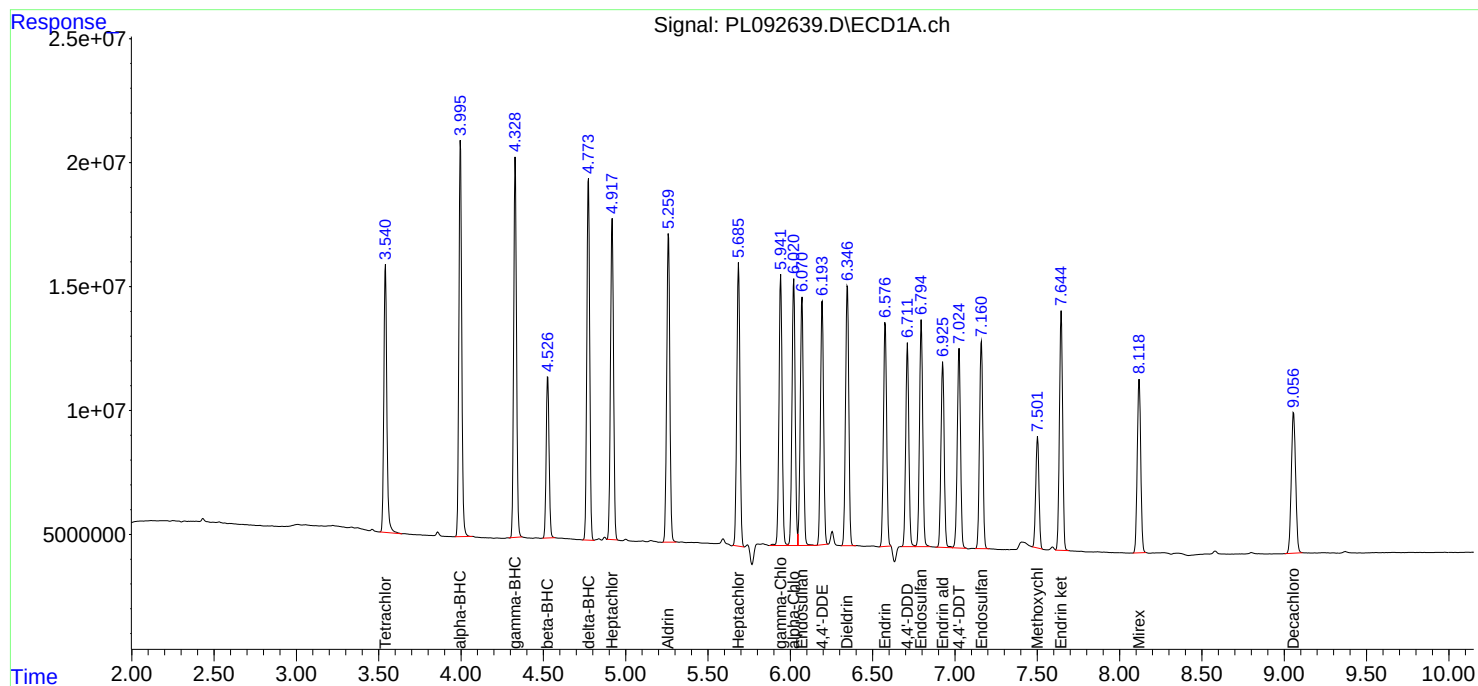
APPROVED

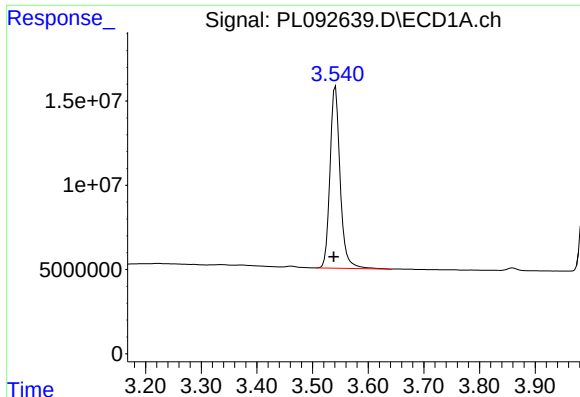
Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:11:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 136708865
Conc: 50.75 ng/ml

Instrument :

ECD_L

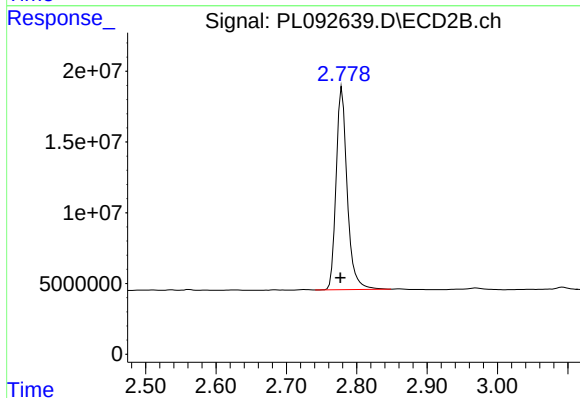
ClientSampleId :

PSTDCCC050

Manual Integrations

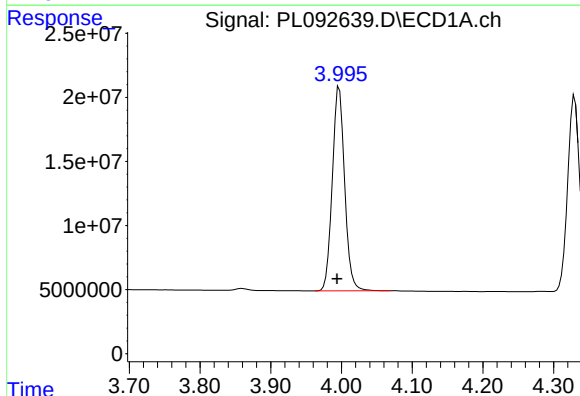
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



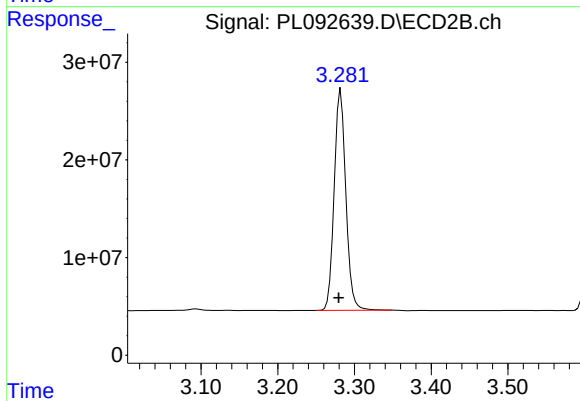
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 156499473
Conc: 56.35 ng/ml



#2 alpha-BHC

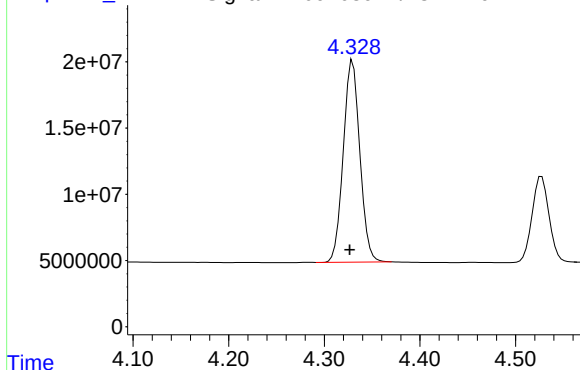
R.T.: 3.997 min
Delta R.T.: 0.003 min
Response: 192578152
Conc: 46.73 ng/ml



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.002 min
Response: 238395186
Conc: 55.25 ng/ml

Response_ Signal: PL092639.D\ECD1A.ch



#3 gamma-BHC (Lindane)

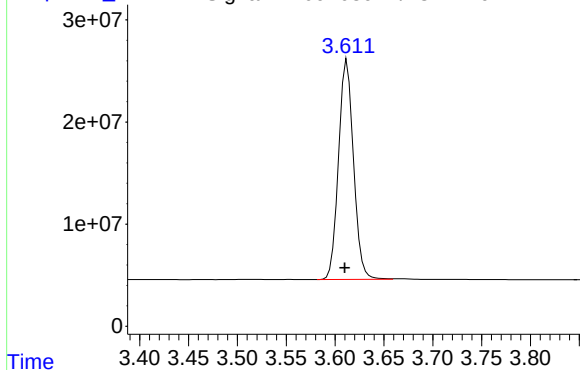
R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 184168536
Conc: 47.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

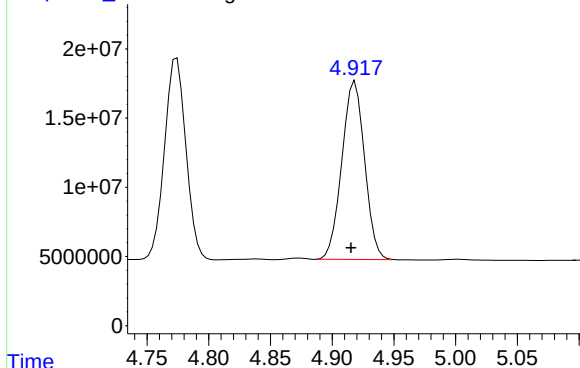
Response_ Signal: PL092639.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 229997430
Conc: 55.85 ng/ml

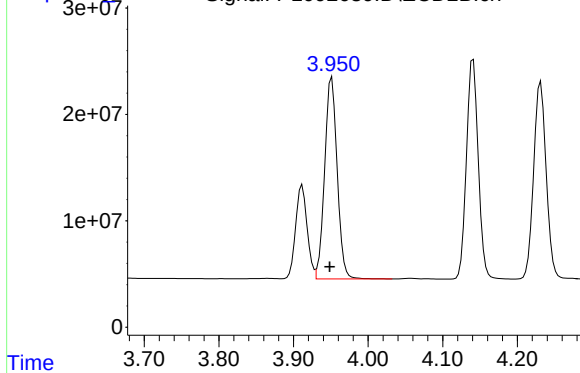
Response_ Signal: PL092639.D\ECD1A.ch



#4 Heptachlor

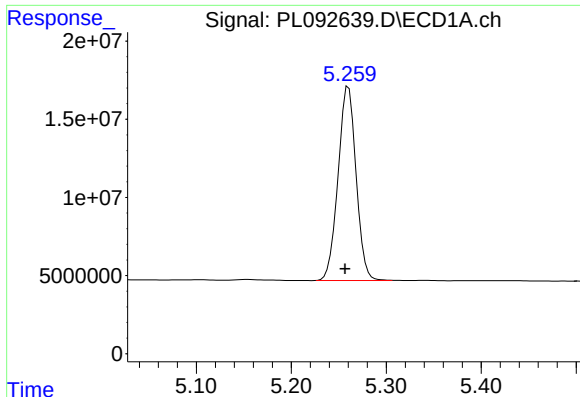
R.T.: 4.917 min
Delta R.T.: 0.002 min
Response: 165077689
Conc: 46.56 ng/ml m

Response_ Signal: PL092639.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.951 min
Delta R.T.: 0.003 min
Response: 220844018
Conc: 54.99 ng/ml



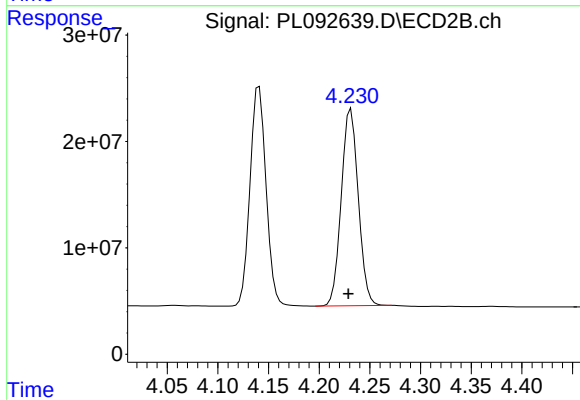
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.002 min
Response: 163840987
Conc: 44.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

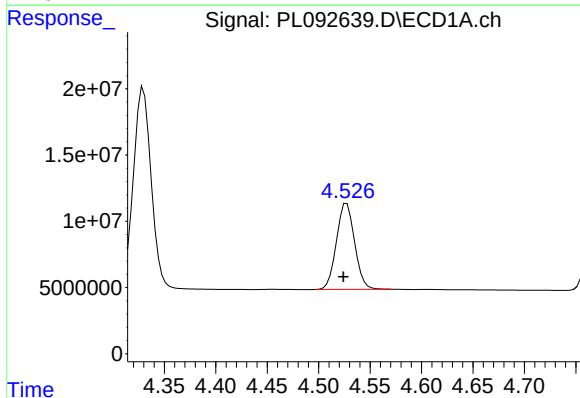
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



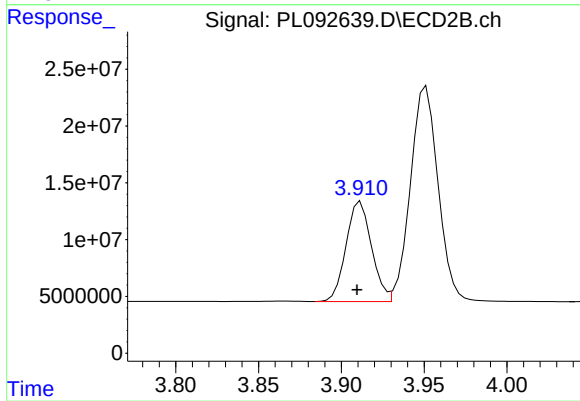
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.003 min
Response: 215675809
Conc: 54.25 ng/ml



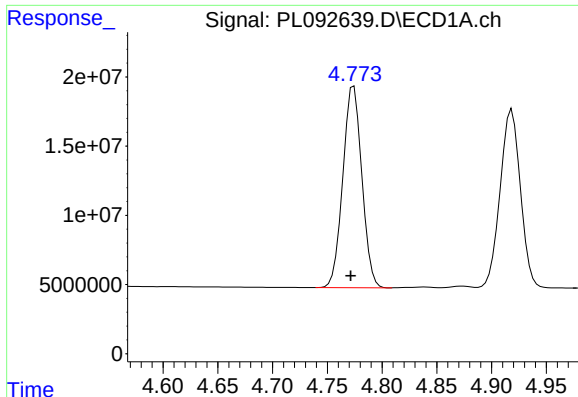
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.003 min
Response: 79973723
Conc: 51.52 ng/ml



#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 94361944
Conc: 54.05 ng/ml



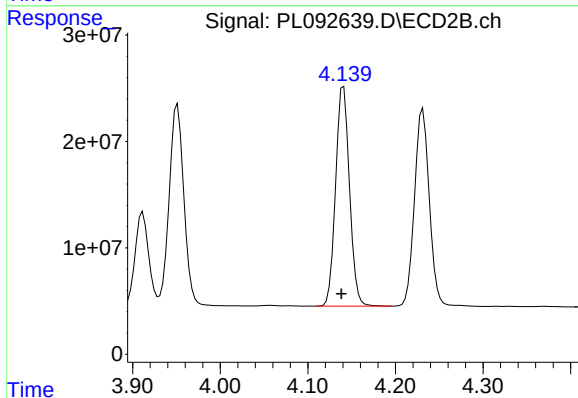
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.003 min
Response: 175984599
Conc: 46.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

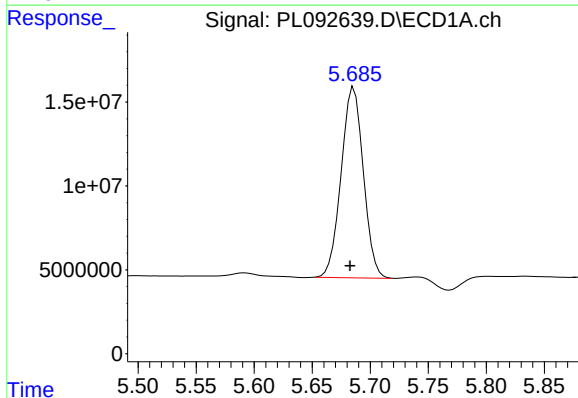
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



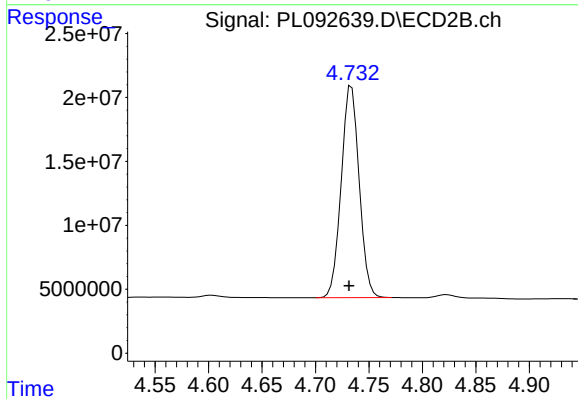
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.002 min
Response: 227468963
Conc: 54.08 ng/ml



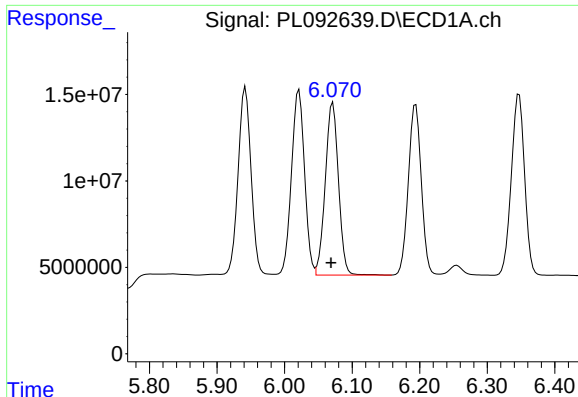
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.002 min
Response: 151187928
Conc: 45.53 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.734 min
Delta R.T.: 0.002 min
Response: 193714768
Conc: 54.98 ng/ml



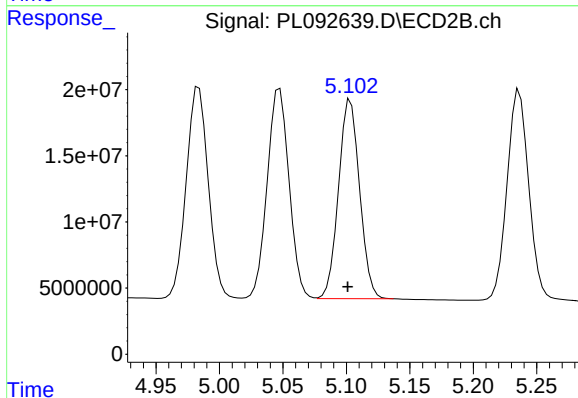
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.003 min
Response: 135567381
Conc: 44.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

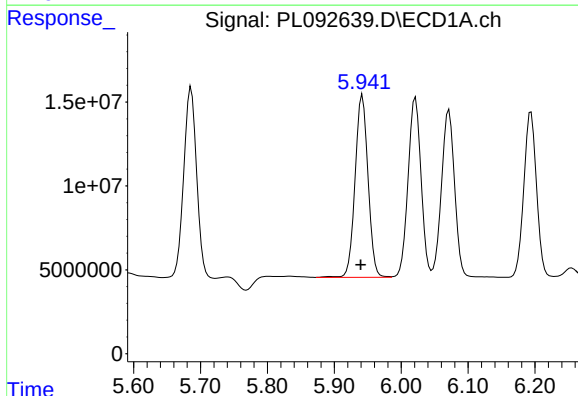
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



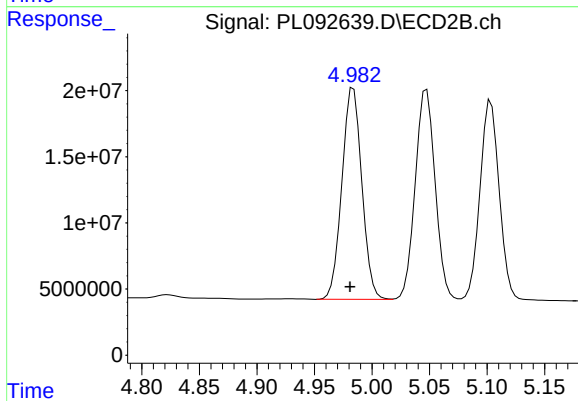
#9 Endosulfan I

R.T.: 5.103 min
Delta R.T.: 0.002 min
Response: 174018613
Conc: 54.67 ng/ml



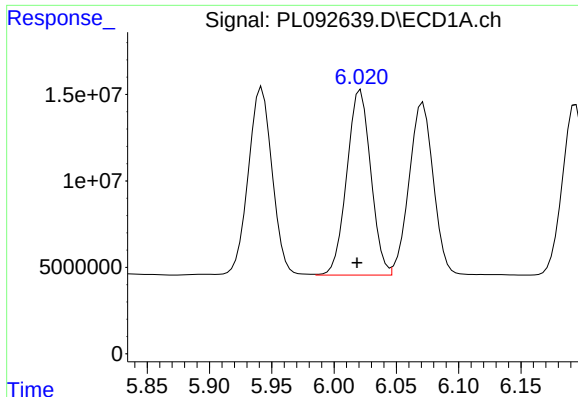
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 146148465
Conc: 44.33 ng/ml



#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.003 min
Response: 193526196
Conc: 52.60 ng/ml



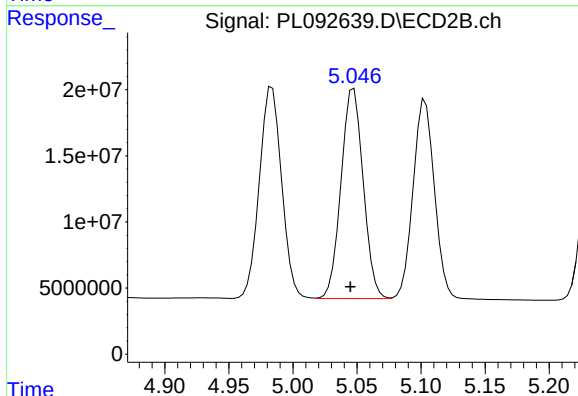
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.003 min
Response: 144084954
Conc: 44.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

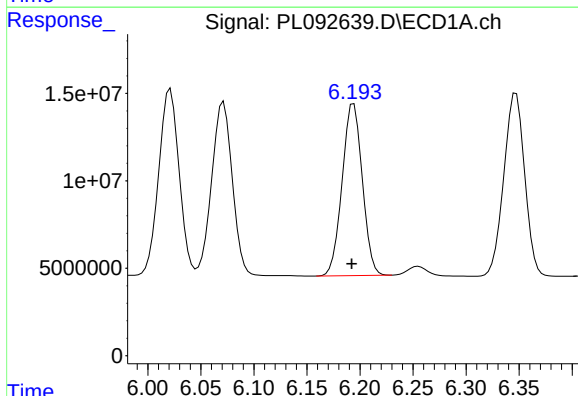
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



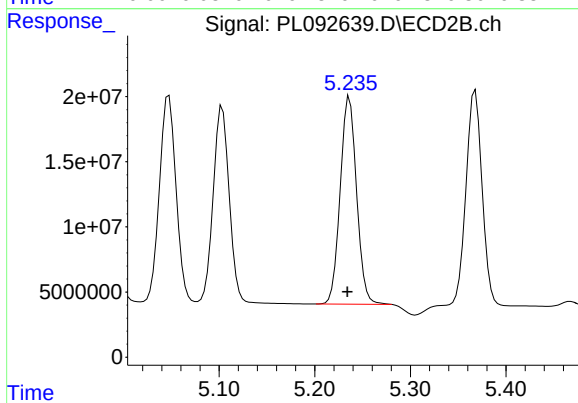
#11 alpha-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.003 min
Response: 191082073
Conc: 53.76 ng/ml



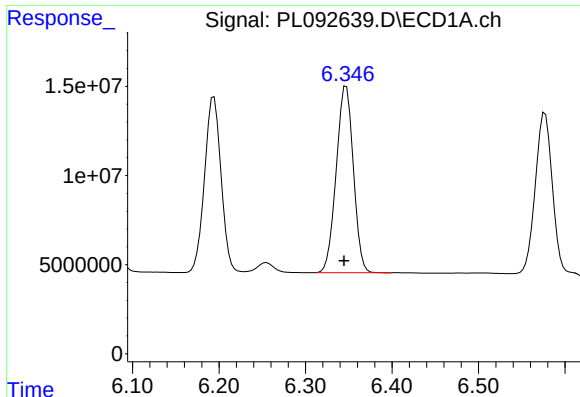
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 129693991
Conc: 43.73 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 190182217
Conc: 54.69 ng/ml



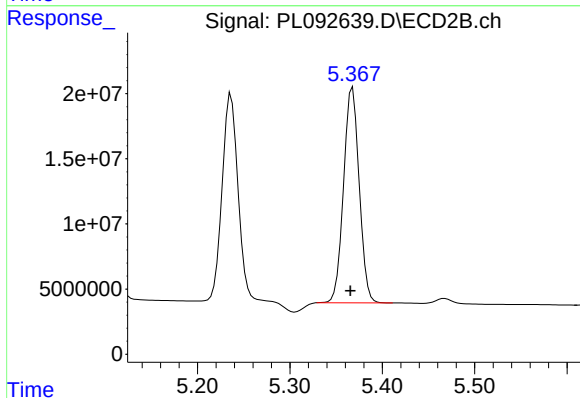
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 143292034
Conc: 44.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

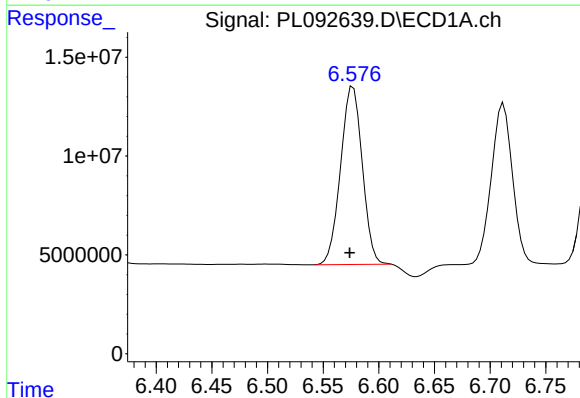
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



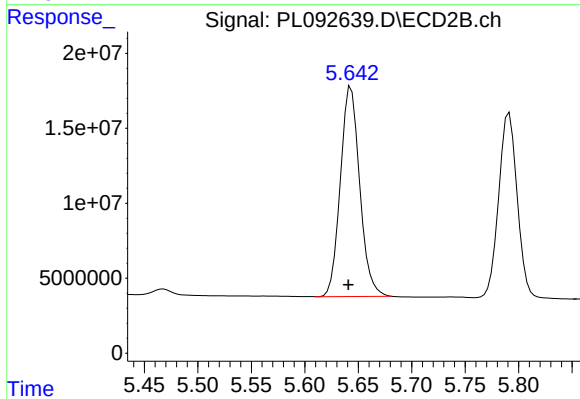
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.002 min
Response: 194573706
Conc: 53.24 ng/ml



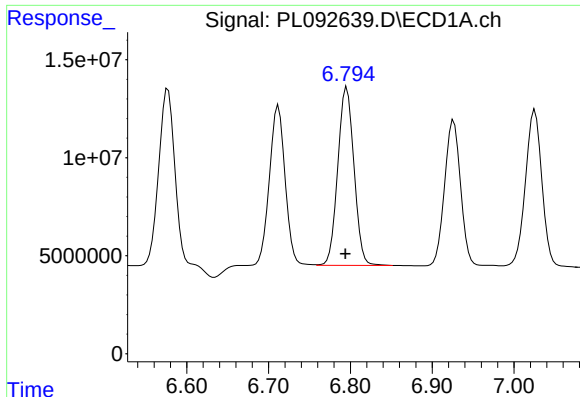
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 122143890
Conc: 43.26 ng/ml



#14 Endrin

R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 176607605
Conc: 53.93 ng/ml



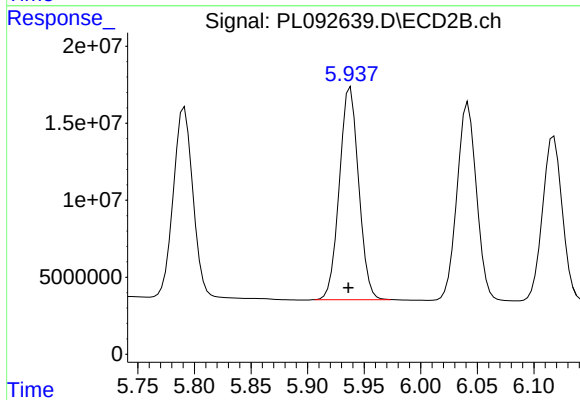
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.002 min
Response: 124871967
Conc: 44.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

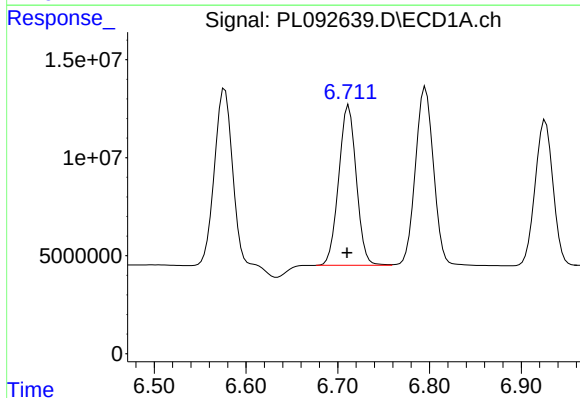
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



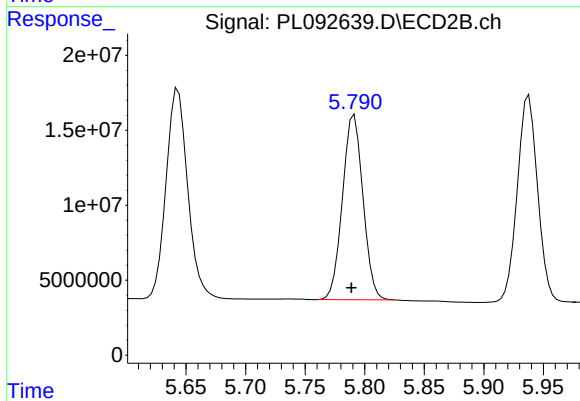
#15 Endosulfan II

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 163772033
Conc: 52.39 ng/ml m



#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.002 min
Response: 108919631
Conc: 45.08 ng/ml



#16 4,4'-DDD

R.T.: 5.790 min
Delta R.T.: 0.001 min
Response: 147801923
Conc: 53.20 ng/ml m

Response_ Signal: PL092639.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 111593975
Conc: 45.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Time

Response_ Signal: PL092639.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 154177600
Conc: 52.50 ng/ml

Time

Response_ Signal: PL092639.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.002 min
Response: 102064426
Conc: 47.78 ng/ml

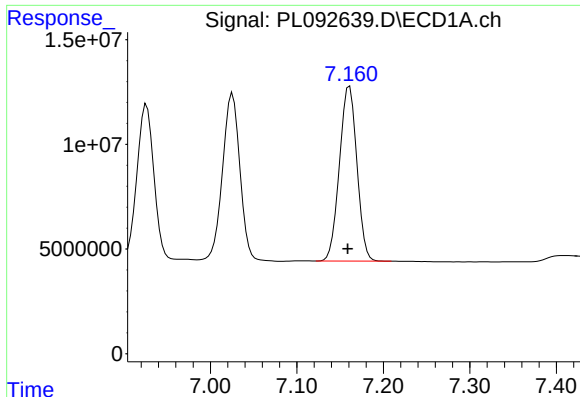
Time

Response_ Signal: PL092639.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.118 min
Delta R.T.: 0.002 min
Response: 130372223
Conc: 53.07 ng/ml

Time



#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.002 min
Response: 116492492
Conc: 46.11 ng/ml

Instrument :

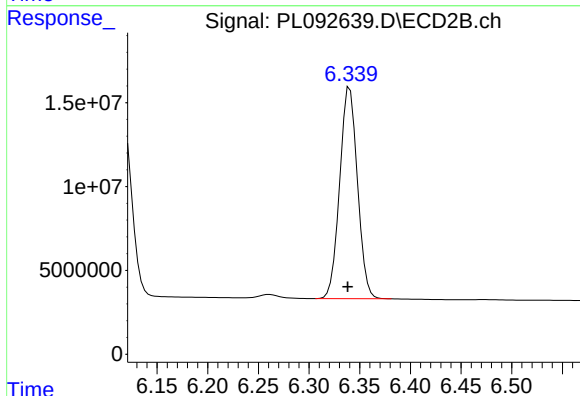
ECD_L

ClientSampleId :

PSTDCCC050

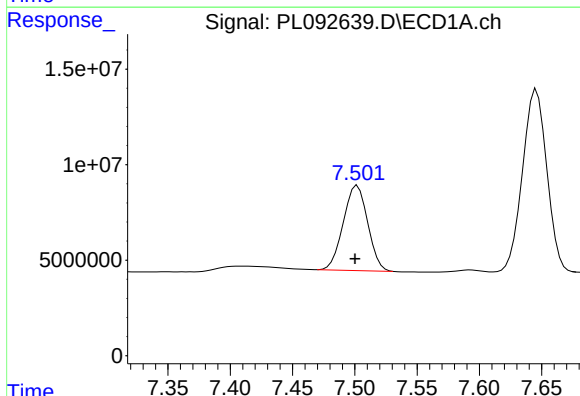
Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



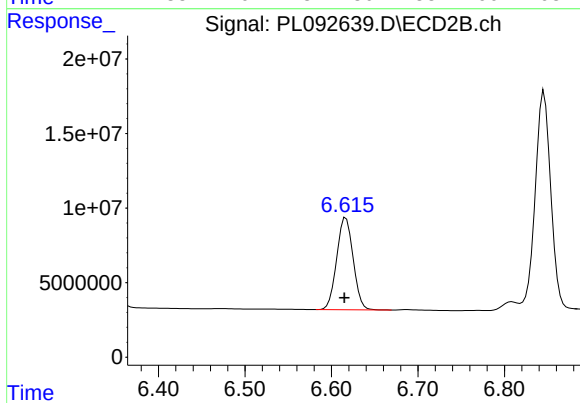
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 153621556
Conc: 51.96 ng/ml



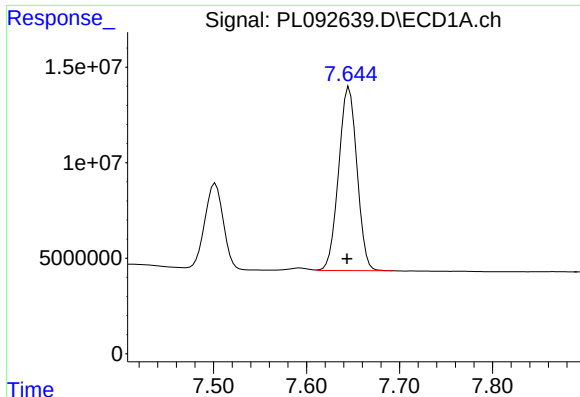
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 61106211
Conc: 51.89 ng/ml m



#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: 0.002 min
Response: 81136617
Conc: 57.22 ng/ml



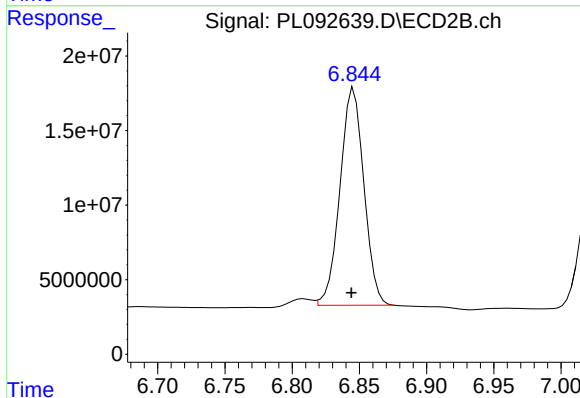
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 131620160
Conc: 47.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

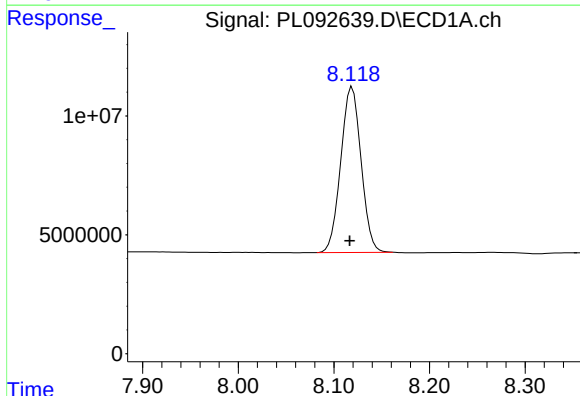
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



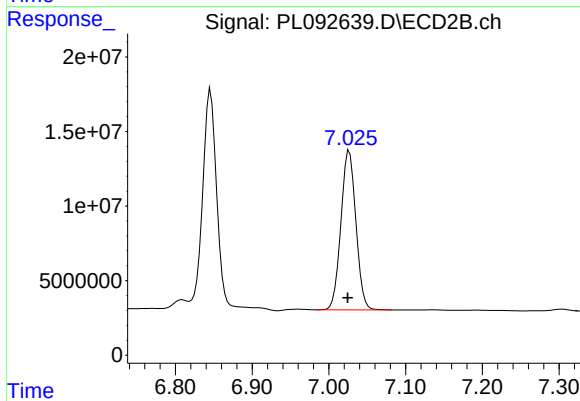
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 179534162
Conc: 55.89 ng/ml m



#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.002 min
Response: 103085955
Conc: 49.40 ng/ml

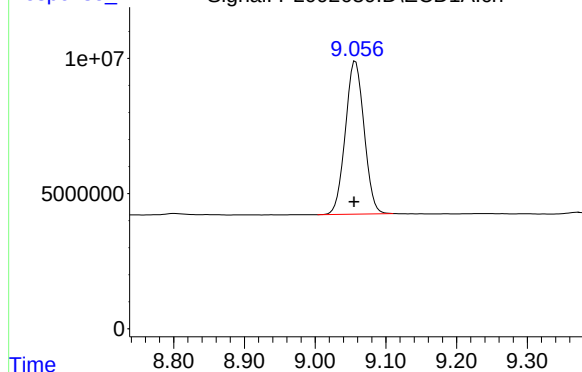


#22 Mirex

R.T.: 7.027 min
Delta R.T.: 0.002 min
Response: 145157601
Conc: 55.54 ng/ml

Signal: PL092639.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 104078279
Conc: 51.24 ng/ml

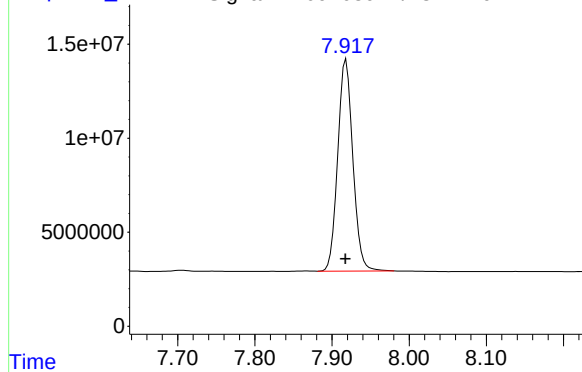
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Signal: PL092639.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 153588730
Conc: 58.29 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
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	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092650.D Time Analyzed: 19:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	44.010	50.000	-12.0
4,4'-DDE	6.194	6.092	6.292	42.640	50.000	-14.7
4,4'-DDT	7.026	6.924	7.124	43.180	50.000	-13.6
Aldrin	5.259	5.157	5.357	43.070	50.000	-13.9
alpha-BHC	3.997	3.894	4.094	45.620	50.000	-8.8
alpha-Chlordane	6.022	5.918	6.118	42.360	50.000	-15.3
beta-BHC	4.527	4.424	4.624	50.200	50.000	0.4
Decachlorobiphenyl	9.058	8.955	9.155	49.750	50.000	-0.5
delta-BHC	4.774	4.671	4.871	45.630	50.000	-8.7
Dieldrin	6.347	6.245	6.445	42.770	50.000	-14.5
Endosulfan I	6.072	5.969	6.169	43.010	50.000	-14.0
Endosulfan II	6.796	6.694	6.894	42.720	50.000	-14.6
Endosulfan sulfate	7.160	7.059	7.259	44.580	50.000	-10.8
Endrin	6.577	6.474	6.674	41.530	50.000	-16.9
Endrin aldehyde	6.926	6.824	7.024	46.460	50.000	-7.1
Endrin ketone	7.645	7.544	7.744	46.460	50.000	-7.1
gamma-BHC (Lindane)	4.330	4.227	4.427	46.750	50.000	-6.5
gamma-Chlordane	5.942	5.839	6.039	42.060	50.000	-15.9
Heptachlor	4.918	4.815	5.015	45.090	50.000	-9.8
Heptachlor epoxide	5.686	5.583	5.783	43.960	50.000	-12.1
Methoxychlor	7.501	7.400	7.600	49.670	50.000	-0.7
Tetrachloro-m-xylene	3.541	3.438	3.638	49.590	50.000	-0.8



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092650.D Time Analyzed: 19:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.791	5.689	5.889	52.160	50.000	4.3
4,4'-DDE	5.236	5.134	5.334	52.950	50.000	5.9
4,4'-DDT	6.041	5.940	6.140	49.480	50.000	-1.0
Aldrin	4.231	4.129	4.329	53.310	50.000	6.6
alpha-BHC	3.282	3.180	3.380	53.910	50.000	7.8
alpha-Chlordane	5.048	4.945	5.145	52.920	50.000	5.8
beta-BHC	3.912	3.810	4.010	53.160	50.000	6.3
Decachlorobiphenyl	7.918	7.817	8.017	54.870	50.000	9.7
delta-BHC	4.141	4.038	4.238	53.140	50.000	6.3
Dieldrin	5.368	5.266	5.466	51.770	50.000	3.5
Endosulfan I	5.104	5.001	5.201	53.580	50.000	7.2
Endosulfan II	5.937	5.836	6.036	50.460	50.000	0.9
Endosulfan sulfate	6.340	6.238	6.438	49.980	50.000	0.0
Endrin	5.644	5.541	5.741	51.490	50.000	3.0
Endrin aldehyde	6.117	6.016	6.216	51.170	50.000	2.3
Endrin ketone	6.844	6.744	6.944	53.810	50.000	7.6
gamma-BHC (Lindane)	3.612	3.510	3.710	54.770	50.000	9.5
gamma-Chlordane	4.984	4.881	5.081	52.070	50.000	4.1
Heptachlor	3.951	3.849	4.049	53.610	50.000	7.2
Heptachlor epoxide	4.734	4.631	4.831	54.180	50.000	8.4
Methoxychlor	6.617	6.515	6.715	53.570	50.000	7.1
Tetrachloro-m-xylene	2.779	2.677	2.877	55.300	50.000	10.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
 Data File : PL092650.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 19:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:15:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.779	133.6E6	153.6E6	49.591	55.304
2)	SA Decachlor...	9.058	7.918	101.0E6	144.6E6	49.749	54.871
Target Compounds							
2)	A alpha-BHC	3.997	3.282	188.0E6	232.6E6	45.615	53.908
3)	MA gamma-BHC...	4.330	3.612	179.8E6	225.5E6	46.752	54.766
4)	MA Heptachlor	4.918	3.951	159.9E6	215.3E6	45.094	53.611
5)	MB Aldrin	5.259	4.231	158.4E6	211.9E6	43.065m	53.306
6)	B beta-BHC	4.527	3.912	77928665	92822663	50.201	53.164
7)	B delta-BHC	4.774	4.141	171.7E6	223.5E6	45.628	53.144
8)	B Heptachlo...	5.686	4.734	146.0E6	190.9E6	43.964	54.178
9)	A Endosulfan I	6.072	5.104	129.9E6	170.5E6	43.009	53.581
10)	B gamma-Chl...	5.942	4.984	138.7E6	191.6E6	42.064	52.070
11)	B alpha-Chl...	6.022	5.048	138.0E6	188.1E6	42.364	52.916
12)	B 4,4'-DDE	6.194	5.236	126.5E6	184.1E6	42.642	52.952
13)	MA Dieldrin	6.347	5.368	139.1E6	189.2E6	42.770	51.773
14)	MA Endrin	6.577	5.644	117.3E6	168.6E6	41.531	51.491
15)	B Endosulfa...	6.796	5.937	120.9E6	157.8E6	42.718	50.460m
16)	A 4,4'-DDD	6.712	5.791	106.3E6	144.9E6	44.015	52.158
17)	MA 4,4'-DDT	7.026	6.041	106.5E6	145.3E6	43.182	49.476
18)	B Endrin al...	6.926	6.117	99242144	125.7E6	46.460	51.172
19)	B Endosulfa...	7.160	6.340	112.6E6	147.7E6	44.576	49.975
20)	A Methoxychlor	7.501	6.617	58501599	75962096	49.674	53.575
21)	B Endrin ke...	7.645	6.844	127.8E6	172.8E6	46.458	53.811m
22)	Mirex	8.118	7.026	99554429	140.5E6	47.711	53.763

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 19:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

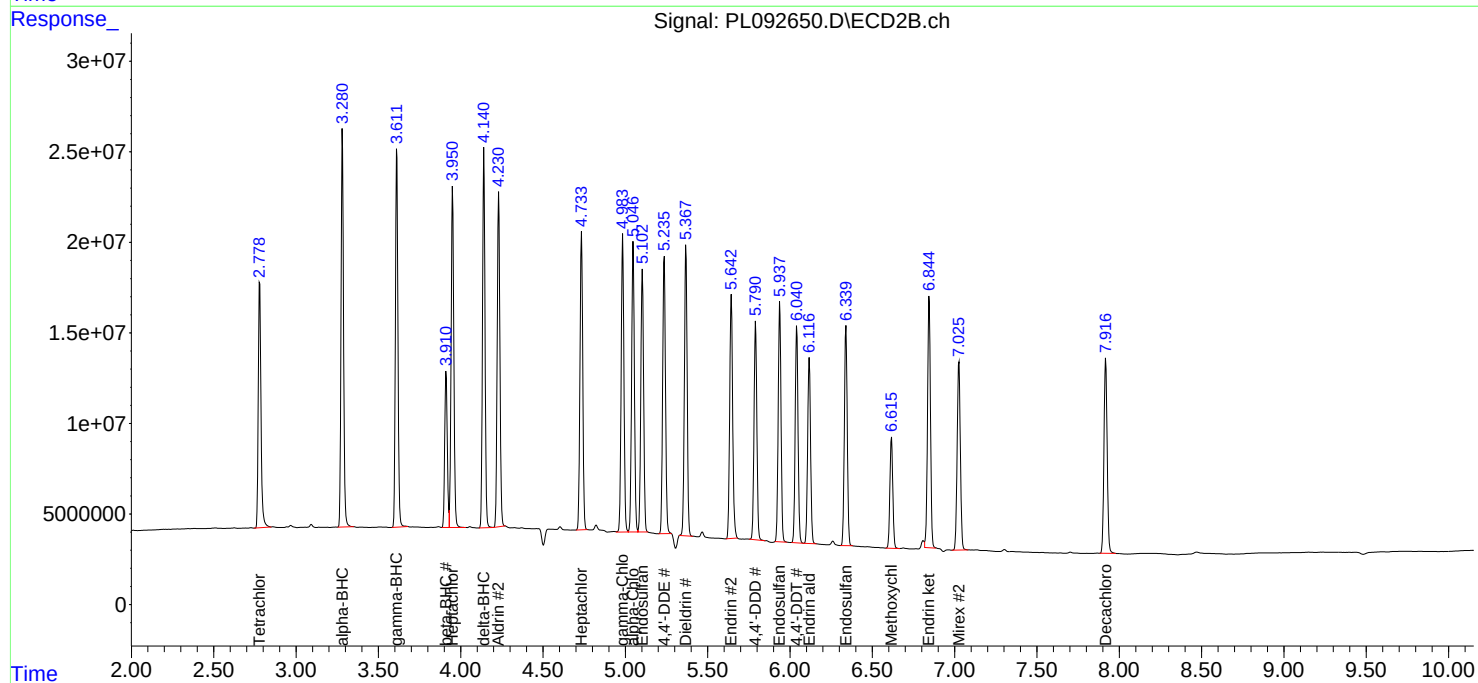
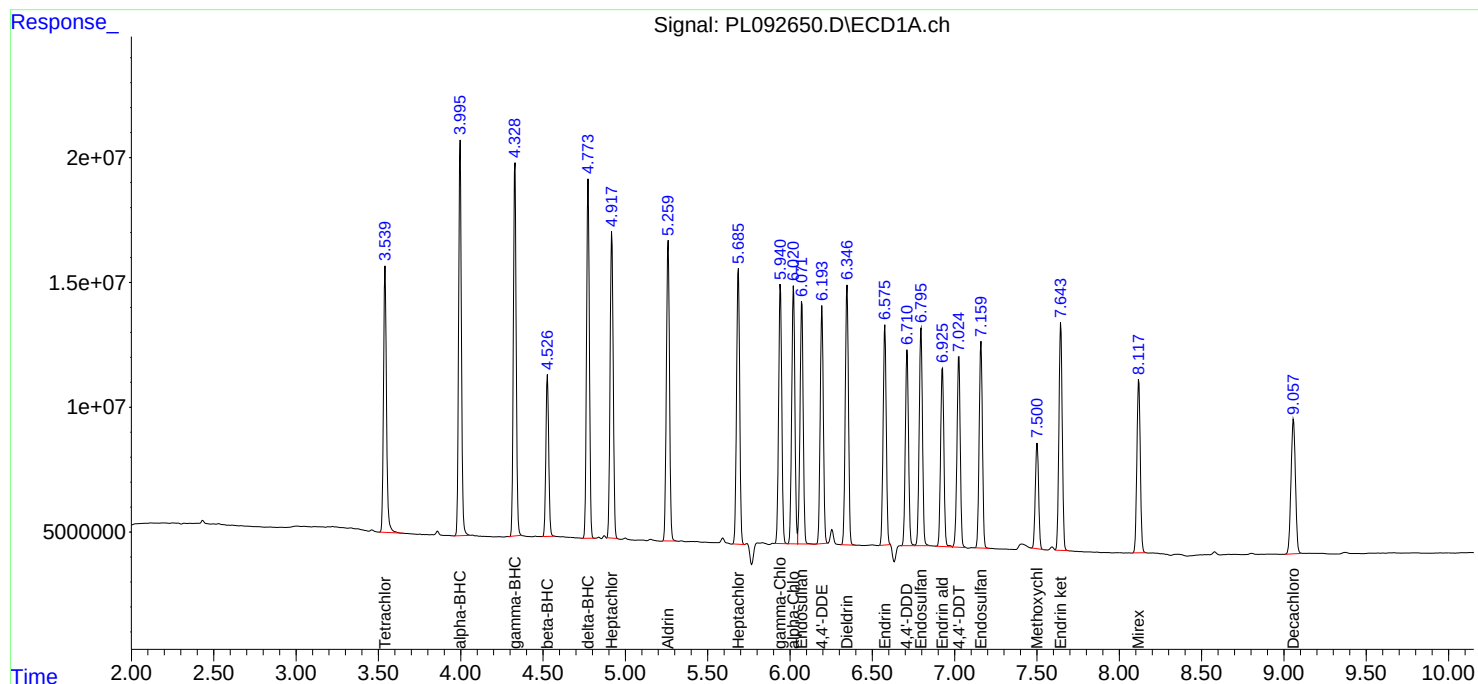
APPROVED

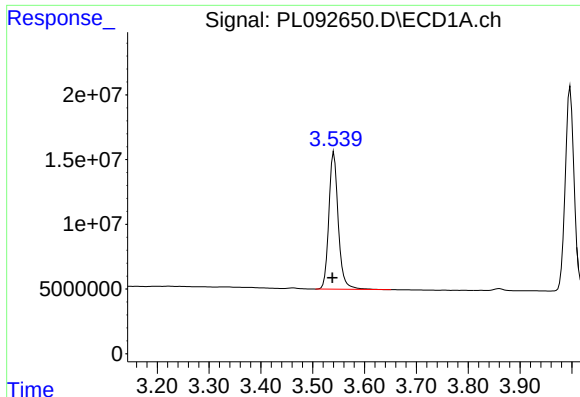
Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:15:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





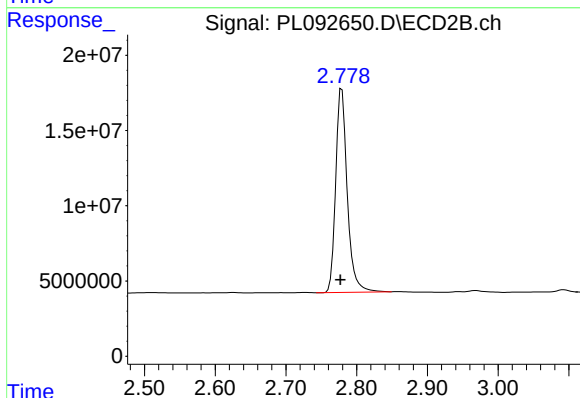
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 133589314
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

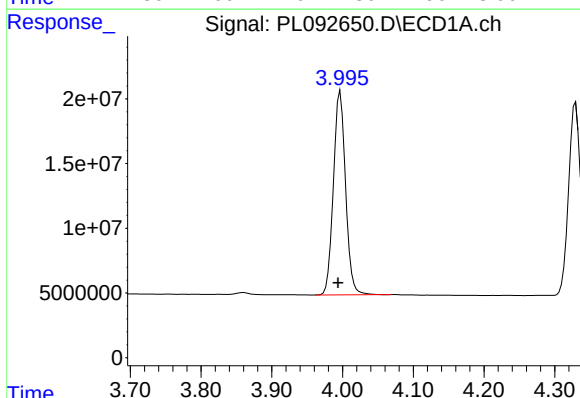
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



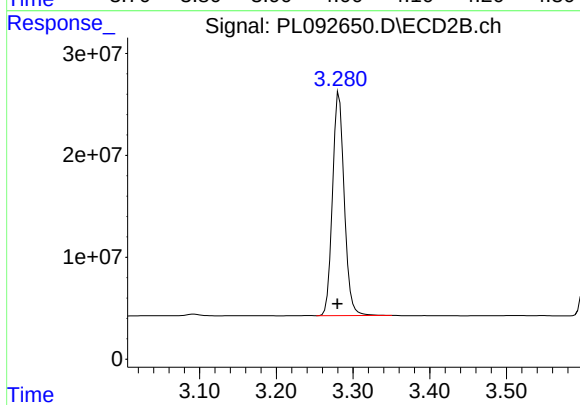
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 153602861
Conc: 55.30 ng/ml



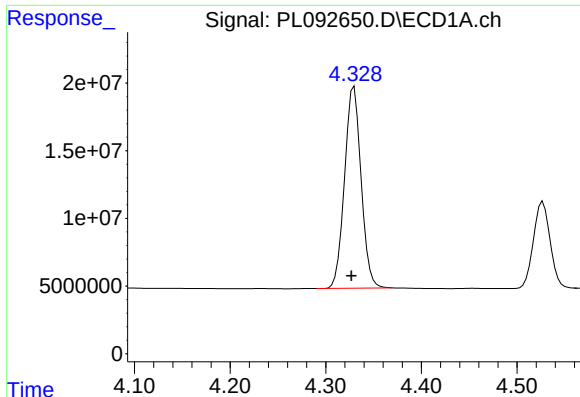
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.003 min
Response: 187992260
Conc: 45.62 ng/ml



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.002 min
Response: 232618059
Conc: 53.91 ng/ml



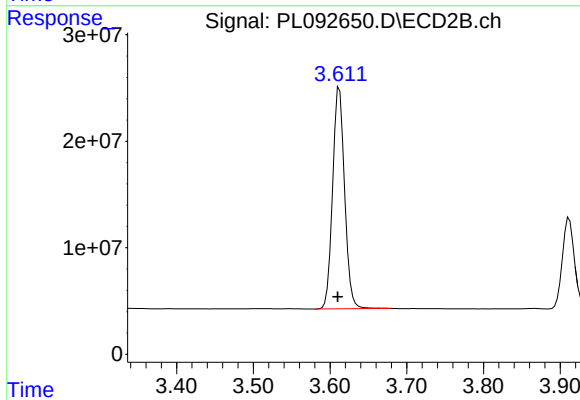
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 179843396
Conc: 46.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

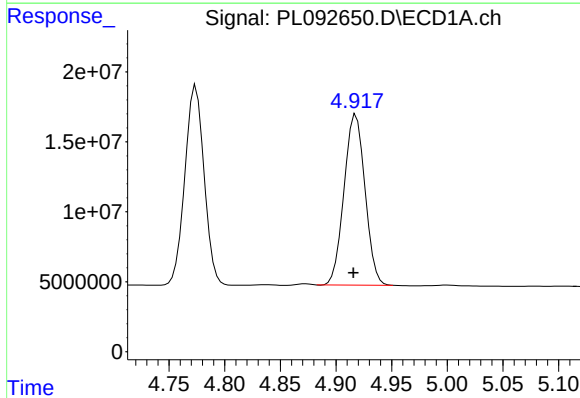
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



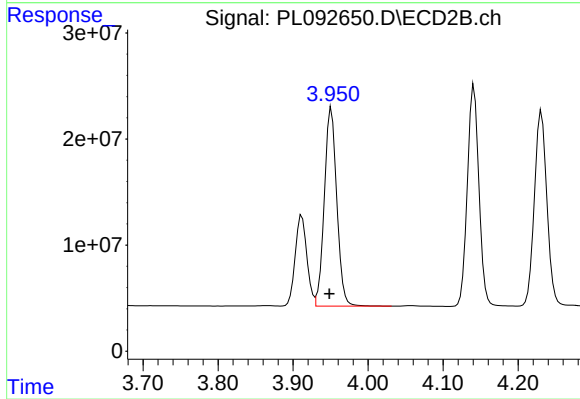
#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 225526314
Conc: 54.77 ng/ml



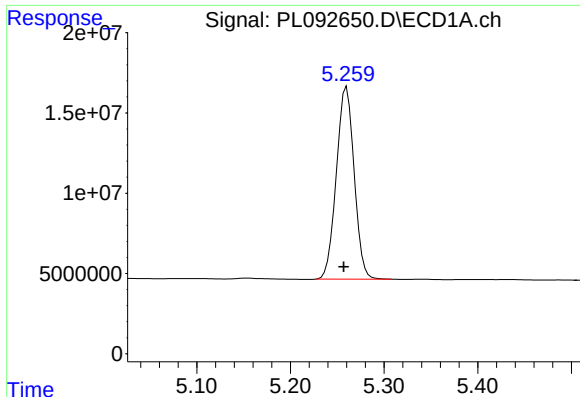
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.003 min
Response: 159891010
Conc: 45.09 ng/ml



#4 Heptachlor

R.T.: 3.951 min
Delta R.T.: 0.002 min
Response: 215289646
Conc: 53.61 ng/ml



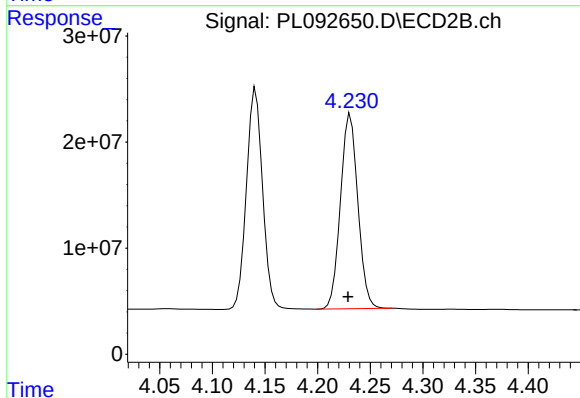
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.002 min
Response: 158422097
Conc: 43.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

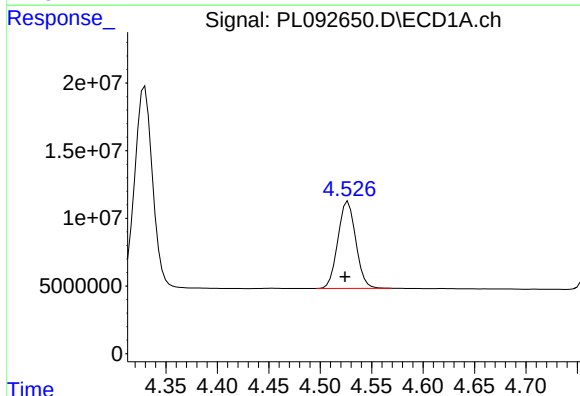
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



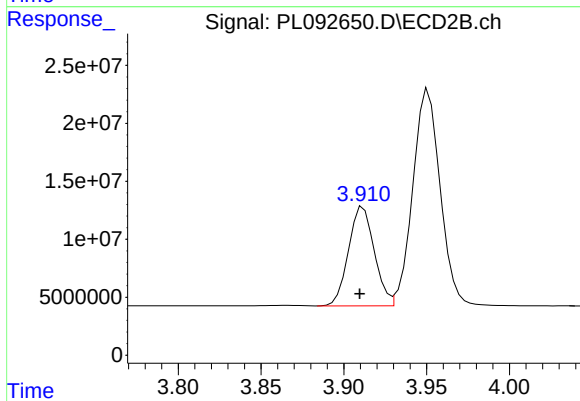
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.002 min
Response: 211917328
Conc: 53.31 ng/ml



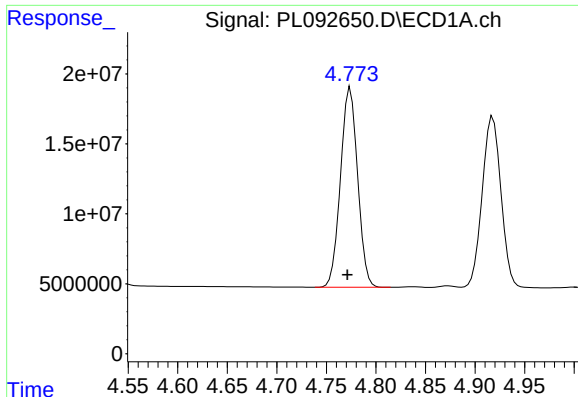
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.003 min
Response: 77928665
Conc: 50.20 ng/ml



#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 92822663
Conc: 53.16 ng/ml



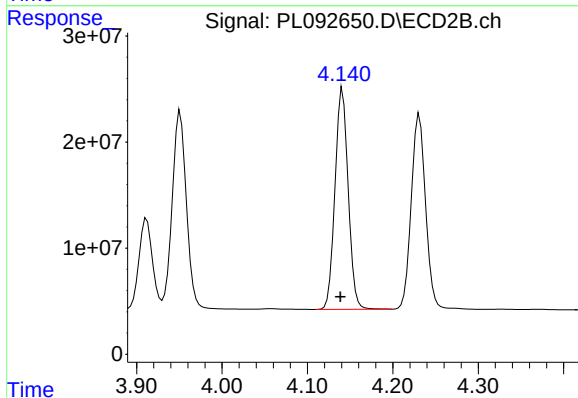
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.003 min
Response: 171653705
Conc: 45.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

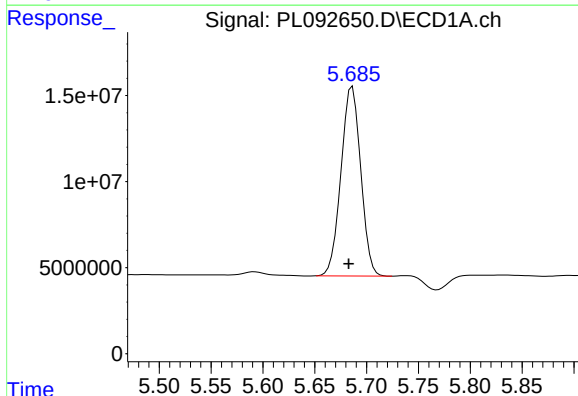
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



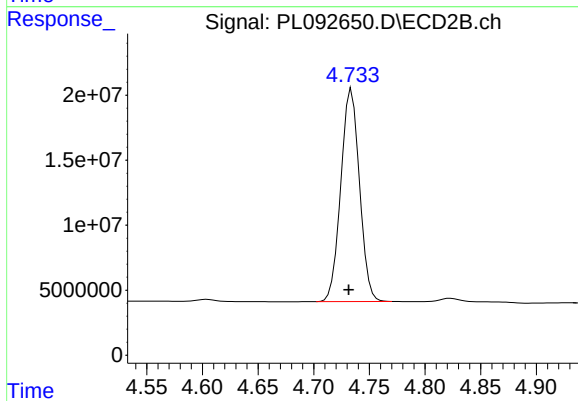
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.003 min
Response: 223537538
Conc: 53.14 ng/ml



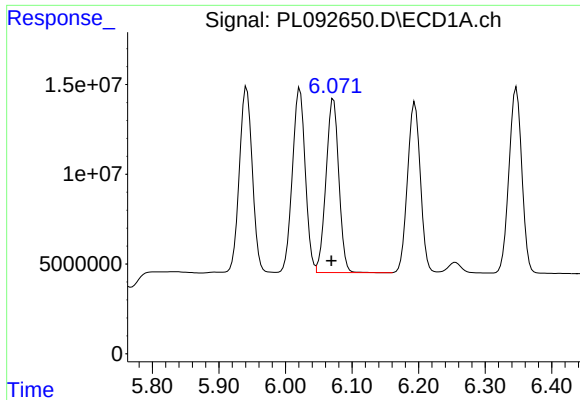
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.004 min
Response: 145991402
Conc: 43.96 ng/ml



#8 Heptachlor epoxide

R.T.: 4.734 min
Delta R.T.: 0.003 min
Response: 190897018
Conc: 54.18 ng/ml



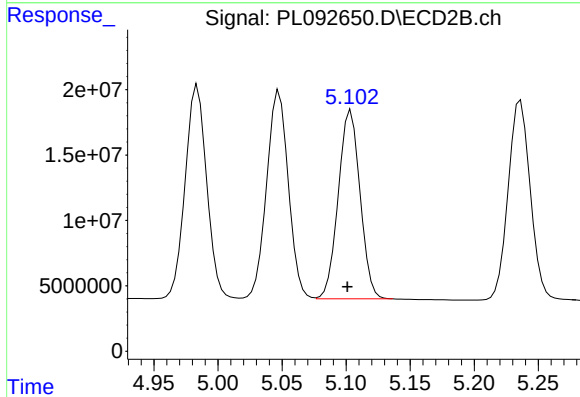
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 129861837
Conc: 43.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

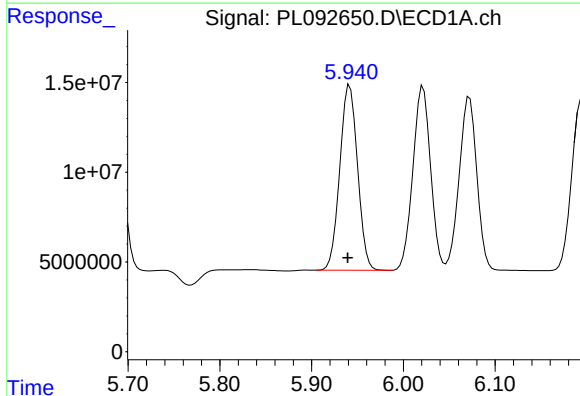
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



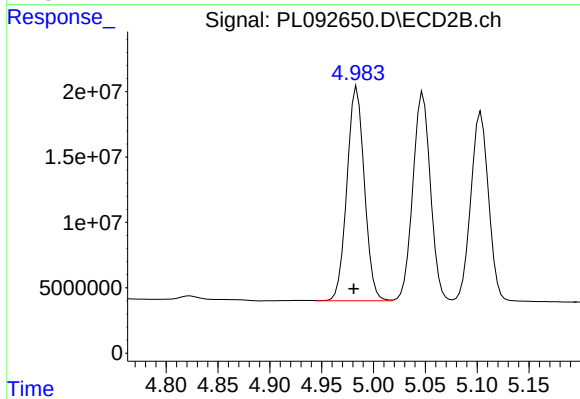
#9 Endosulfan I

R.T.: 5.104 min
Delta R.T.: 0.003 min
Response: 170549284
Conc: 53.58 ng/ml



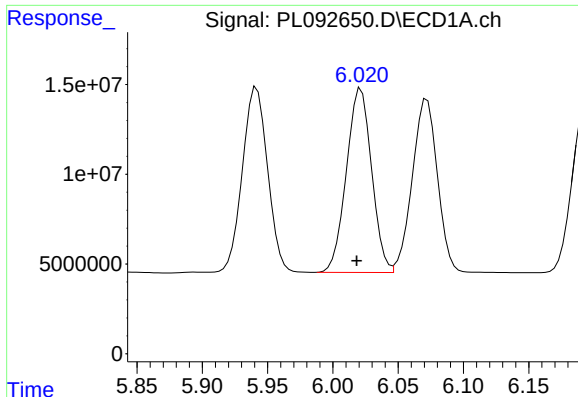
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.002 min
Response: 138684473
Conc: 42.06 ng/ml



#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.003 min
Response: 191575832
Conc: 52.07 ng/ml



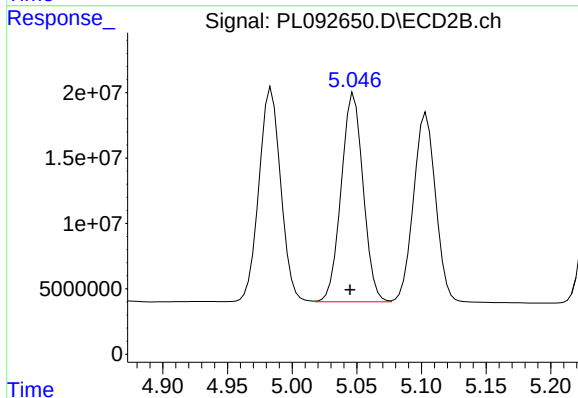
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.003 min
Response: 137952860
Conc: 42.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

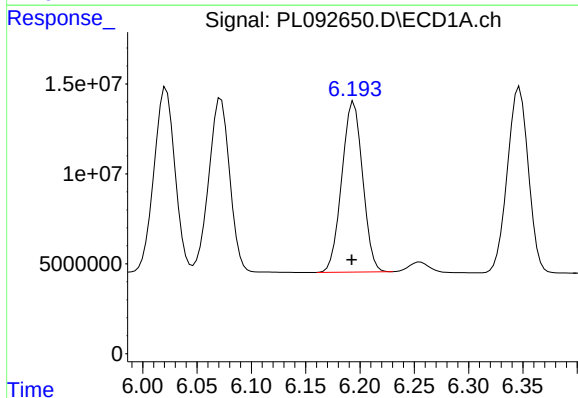
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



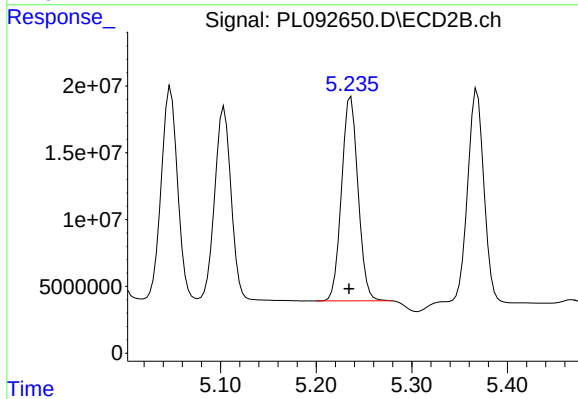
#11 alpha-Chlordane

R.T.: 5.048 min
Delta R.T.: 0.003 min
Response: 188066012
Conc: 52.92 ng/ml



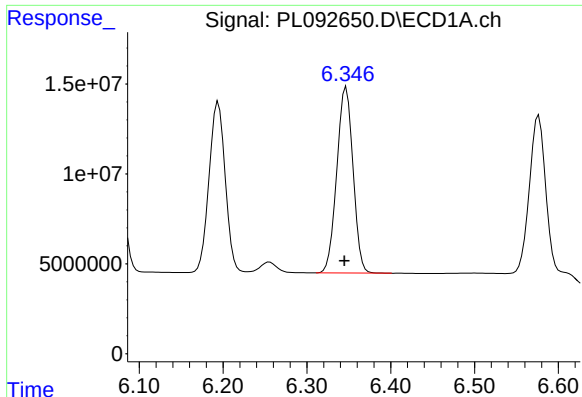
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 126471777
Conc: 42.64 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 184132788
Conc: 52.95 ng/ml



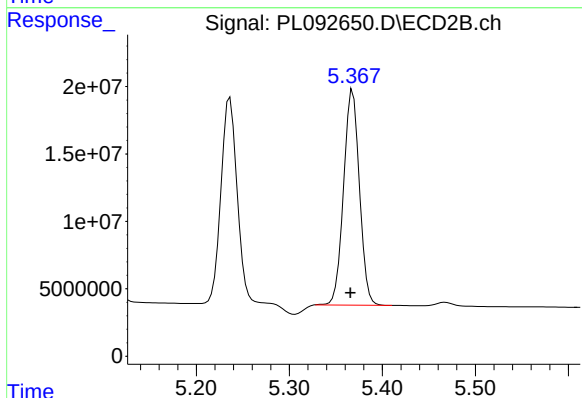
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 139081806
Conc: 42.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

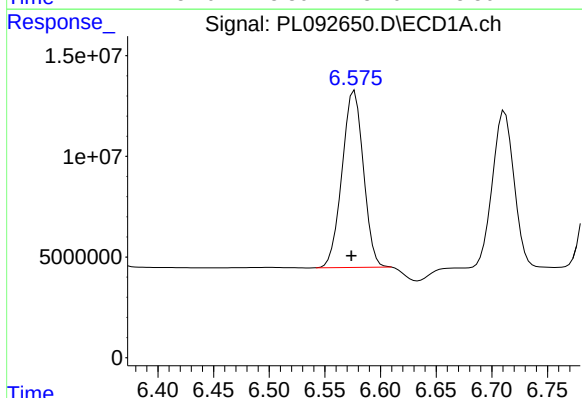
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



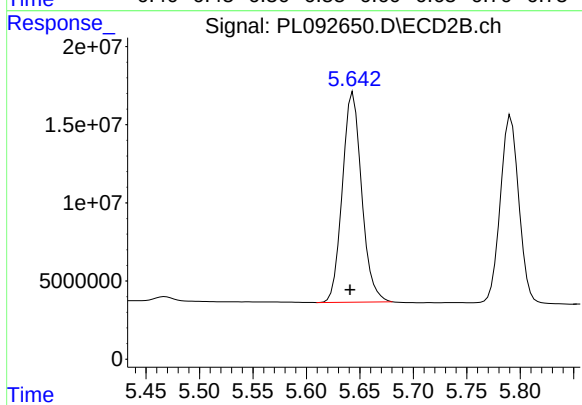
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.003 min
Response: 189197106
Conc: 51.77 ng/ml



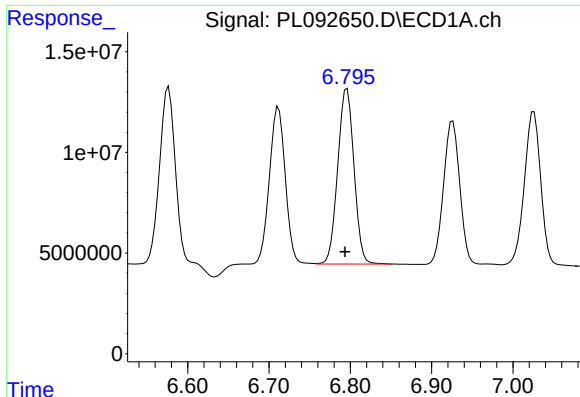
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 117271861
Conc: 41.53 ng/ml



#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 168627370
Conc: 51.49 ng/ml



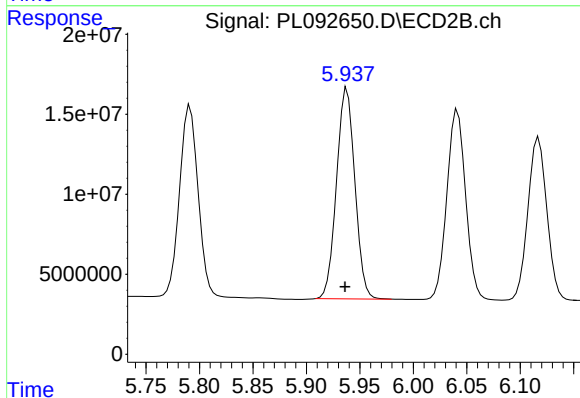
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.002 min
Response: 120883507
Conc: 42.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

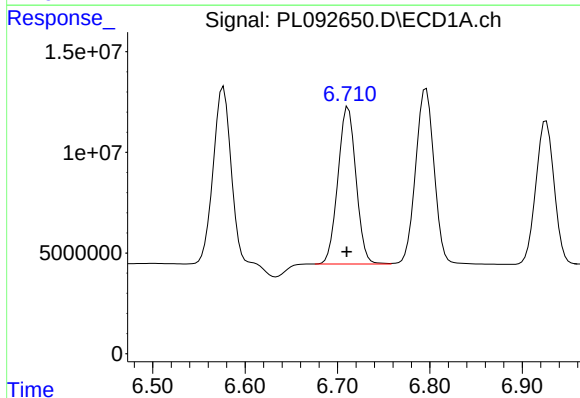
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



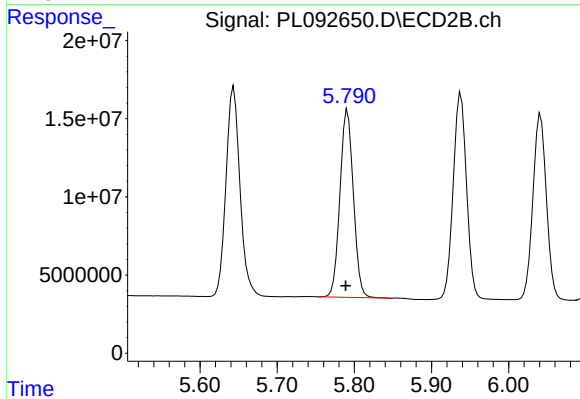
#15 Endosulfan II

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 157750385
Conc: 50.46 ng/ml m



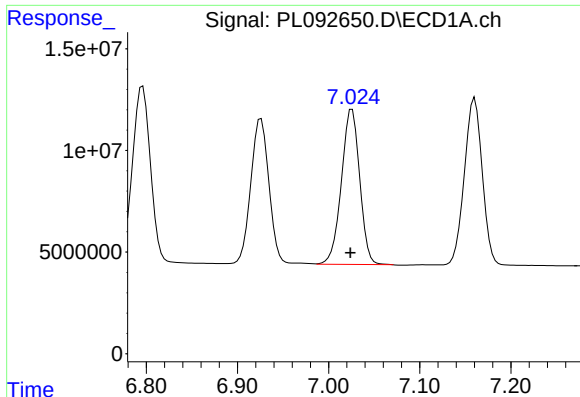
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.002 min
Response: 106337756
Conc: 44.01 ng/ml



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 144907967
Conc: 52.16 ng/ml



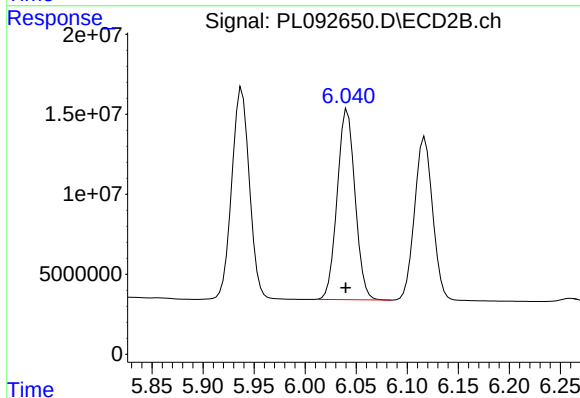
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 106488799
Conc: 43.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

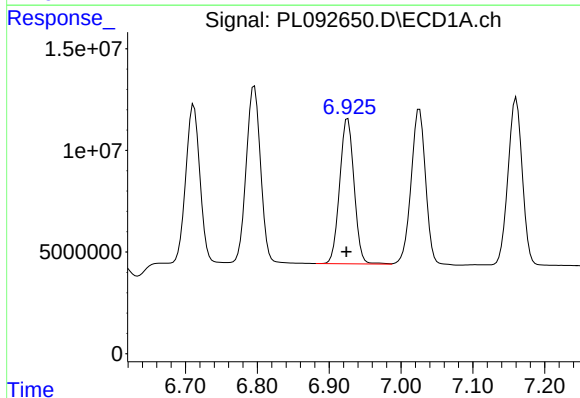
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



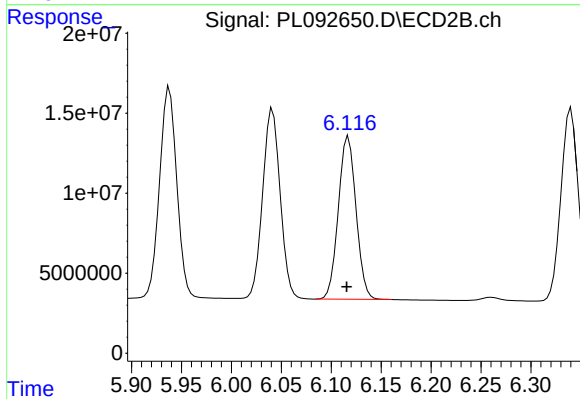
#17 4,4'-DDT

R.T.: 6.041 min
Delta R.T.: 0.002 min
Response: 145307449
Conc: 49.48 ng/ml



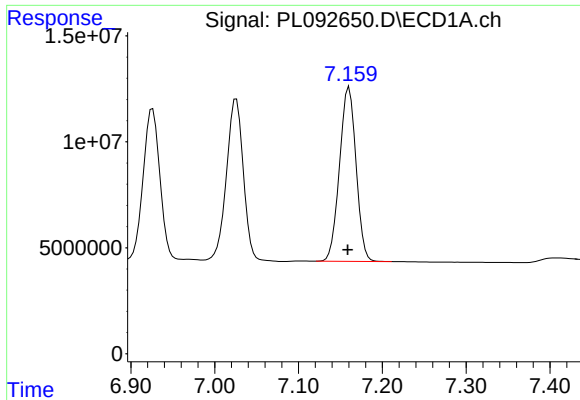
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.002 min
Response: 99242144
Conc: 46.46 ng/ml



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 125705877
Conc: 51.17 ng/ml



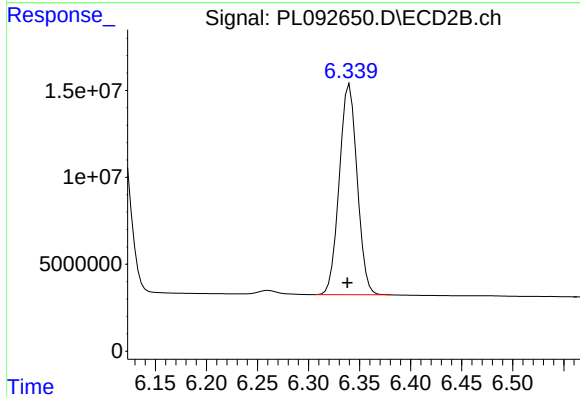
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 112628480
Conc: 44.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

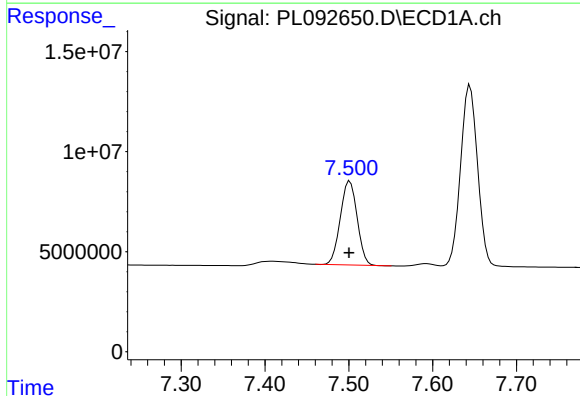
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



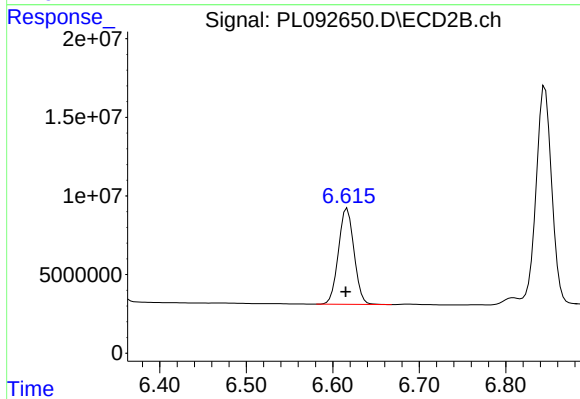
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 147740975
Conc: 49.98 ng/ml



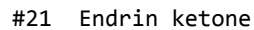
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.001 min
Response: 58501599
Conc: 49.67 ng/ml



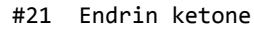
#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: 0.002 min
Response: 75962096
Conc: 53.57 ng/ml



Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

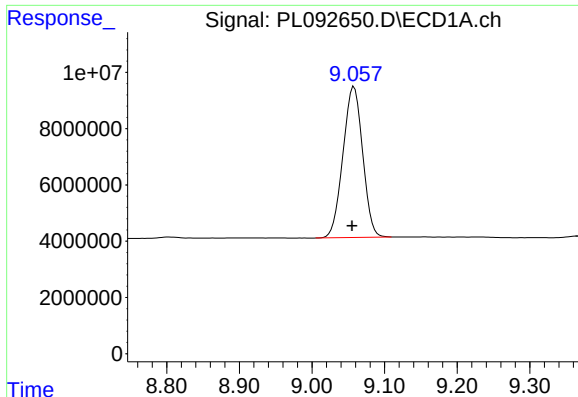
Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#22 Mirex

#22 Mirex

R.T.: 7.026 min
Delta R.T.: 0.001 min
Response: 140510926
Conc: 53.76 ng/ml



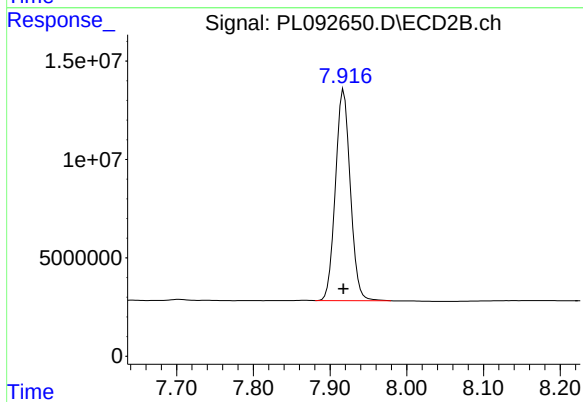
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.003 min
Response: 101047407
Conc: 49.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 144582724
Conc: 54.87 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.27	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092817.D Time Analyzed: 09:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.716	6.610	6.810	48.080	50.000	-3.8
4,4'-DDE	6.199	6.093	6.293	47.590	50.000	-4.8
4,4'-DDT	7.030	6.923	7.123	46.150	50.000	-7.7
Aldrin	5.265	5.158	5.358	48.280	50.000	-3.4
alpha-BHC	4.003	3.896	4.096	49.340	50.000	-1.3
alpha-Chlordane	6.026	5.919	6.119	47.760	50.000	-4.5
beta-BHC	4.532	4.425	4.625	48.750	50.000	-2.5
Decachlorobiphenyl	9.061	8.954	9.154	47.130	50.000	-5.7
delta-BHC	4.780	4.672	4.872	48.710	50.000	-2.6
Dieldrin	6.351	6.245	6.445	46.950	50.000	-6.1
Endosulfan I	6.076	5.970	6.170	47.320	50.000	-5.4
Endosulfan II	6.800	6.694	6.894	46.160	50.000	-7.7
Endosulfan sulfate	7.165	7.058	7.258	46.480	50.000	-7.0
Endrin	6.581	6.474	6.674	45.470	50.000	-9.1
Endrin aldehyde	6.930	6.824	7.024	46.310	50.000	-7.4
Endrin ketone	7.649	7.543	7.743	46.020	50.000	-8.0
gamma-BHC (Lindane)	4.335	4.228	4.428	49.020	50.000	-2.0
gamma-Chlordane	5.947	5.841	6.041	47.700	50.000	-4.6
Heptachlor	4.923	4.817	5.017	47.590	50.000	-4.8
Heptachlor epoxide	5.691	5.584	5.784	47.660	50.000	-4.7
Methoxychlor	7.505	7.399	7.599	46.150	50.000	-7.7
Tetrachloro-m-xylene	3.547	3.440	3.640	49.530	50.000	-0.9



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092817.D Time Analyzed: 09:09

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.791	5.689	5.889	53.140	50.000	6.3
4,4'-DDE	5.236	5.135	5.335	52.480	50.000	5.0
4,4'-DDT	6.041	5.940	6.140	50.720	50.000	1.4
Aldrin	4.231	4.129	4.329	53.260	50.000	6.5
alpha-BHC	3.282	3.181	3.381	53.250	50.000	6.5
alpha-Chlordane	5.048	4.945	5.145	52.350	50.000	4.7
beta-BHC	3.912	3.810	4.010	51.870	50.000	3.7
Decachlorobiphenyl	7.918	7.816	8.016	48.500	50.000	-3.0
delta-BHC	4.141	4.039	4.239	52.700	50.000	5.4
Dieldrin	5.368	5.266	5.466	53.190	50.000	6.4
Endosulfan I	5.104	5.002	5.202	52.400	50.000	4.8
Endosulfan II	5.938	5.836	6.036	52.790	50.000	5.6
Endosulfan sulfate	6.340	6.238	6.438	50.980	50.000	2.0
Endrin	5.643	5.541	5.741	52.510	50.000	5.0
Endrin aldehyde	6.117	6.015	6.215	50.930	50.000	1.9
Endrin ketone	6.845	6.743	6.943	51.500	50.000	3.0
gamma-BHC (Lindane)	3.612	3.511	3.711	53.130	50.000	6.3
gamma-Chlordane	4.984	4.882	5.082	52.800	50.000	5.6
Heptachlor	3.952	3.849	4.049	51.750	50.000	3.5
Heptachlor epoxide	4.734	4.632	4.832	52.600	50.000	5.2
Methoxychlor	6.616	6.515	6.715	46.910	50.000	-6.2
Tetrachloro-m-xylene	2.779	2.678	2.878	52.180	50.000	4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 09:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.779	121.3E6	142.0E6	49.525	52.180
28) SA Decachlor...	9.061	7.918	90710366	132.4E6	47.133	48.501
Target Compounds						
2) A alpha-BHC	4.003	3.282	167.3E6	212.5E6	49.342	53.246
3) MA gamma-BHC...	4.335	3.612	159.8E6	205.1E6	49.022	53.133
4) MA Heptachlor	4.923	3.952	142.9E6	195.3E6	47.589	51.752
5) MB Aldrin	5.265	4.231	144.9E6	194.9E6	48.282	53.261
6) B beta-BHC	4.532	3.912	70468908	85385627	48.752	51.867
7) B delta-BHC	4.780	4.141	152.5E6	202.5E6	48.710	52.702
8) B Heptachlo...	5.691	4.734	131.6E6	175.7E6	47.661	52.596
9) A Endosulfan I	6.076	5.104	118.4E6	160.0E6	47.316	52.403
10) B gamma-Chl...	5.947	4.984	126.9E6	177.5E6	47.699	52.798
11) B alpha-Chl...	6.026	5.048	126.5E6	174.1E6	47.760	52.349
12) B 4,4'-DDE	6.199	5.236	112.8E6	169.1E6	47.595	52.477
13) MA Dieldrin	6.351	5.368	123.7E6	177.7E6	46.951	53.186
14) MA Endrin	6.581	5.643	103.5E6	151.9E6	45.471	52.513
15) B Endosulfa...	6.800	5.938	110.0E6	149.6E6	46.157	52.785
16) A 4,4'-DDD	6.716	5.791	92290375	132.3E6	48.080	53.143
17) MA 4,4'-DDT	7.030	6.041	95514789	136.1E6	46.148	50.723
18) B Endrin al...	6.930	6.117	86972049	117.5E6	46.312	50.926
19) B Endosulfa...	7.165	6.340	100.9E6	137.5E6	46.483	50.982
20) A Methoxychlor	7.505	6.616	52607336	66989252	46.147	46.910
21) B Endrin ke...	7.649	6.845	111.5E6	158.0E6	46.019	51.502
22) Mirex	8.122	7.027	90286886	132.2E6	45.560	50.683

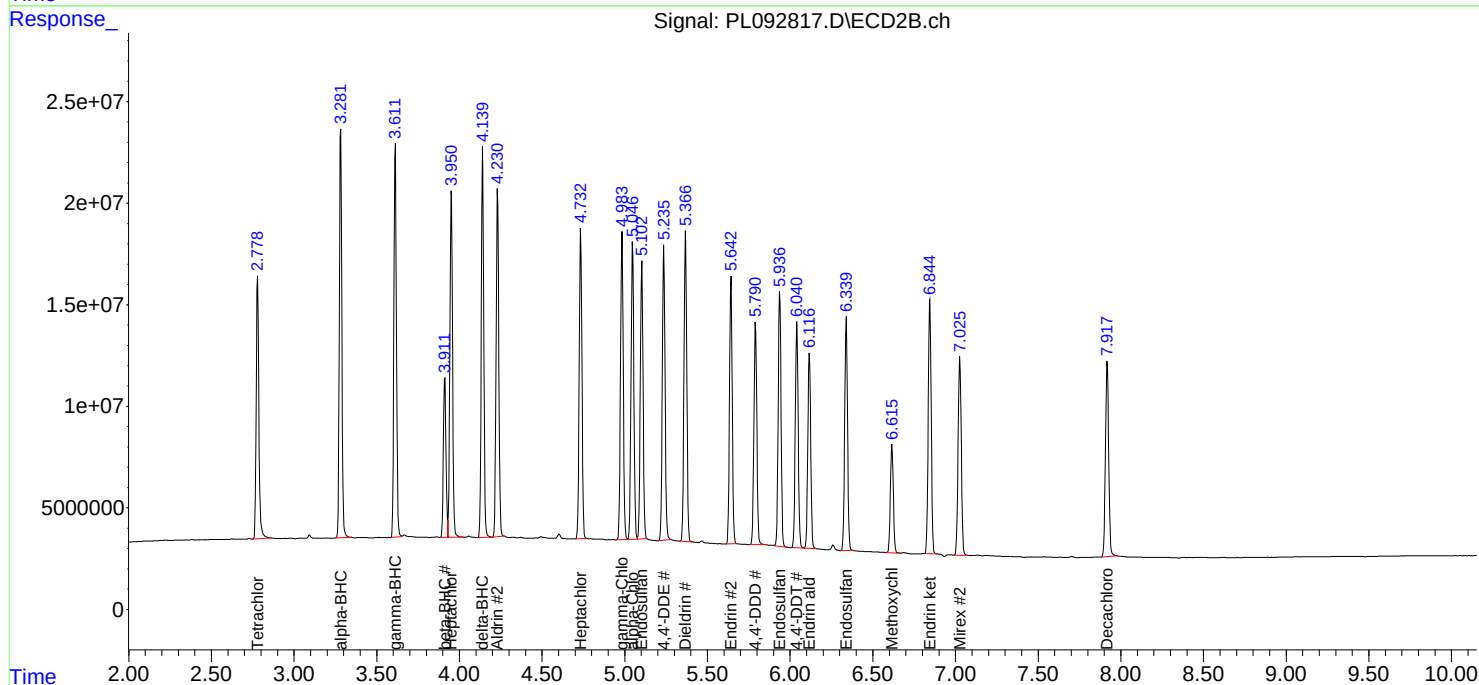
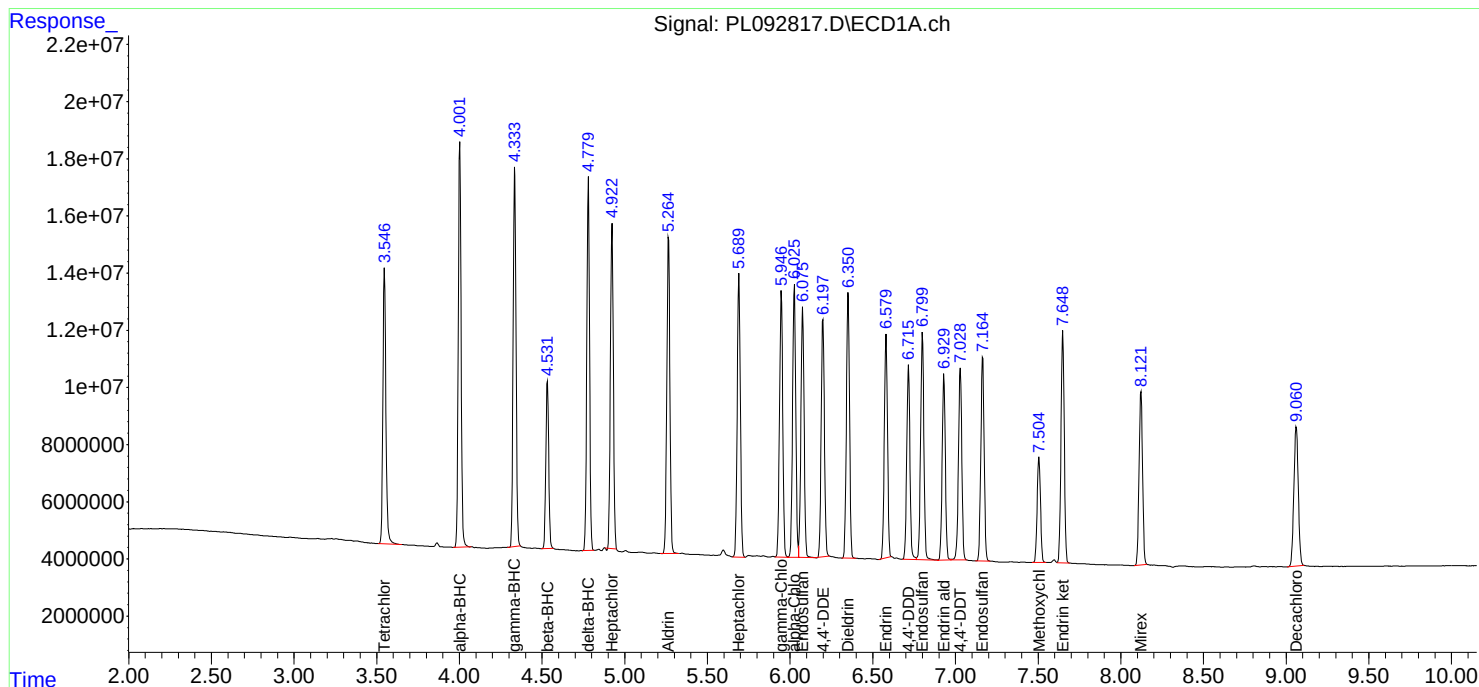
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

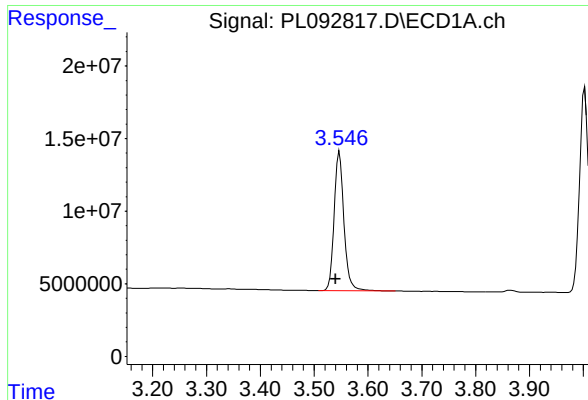
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 09:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

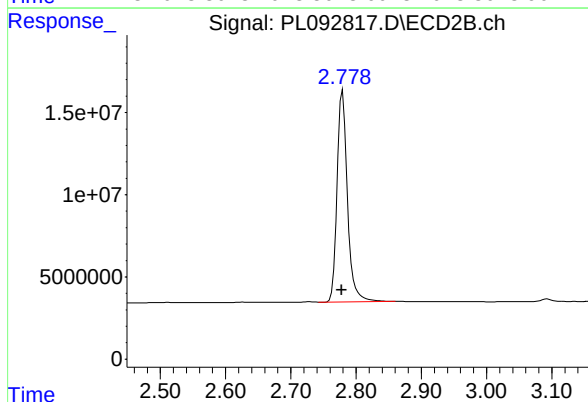




#1 Tetrachloro-m-xylene

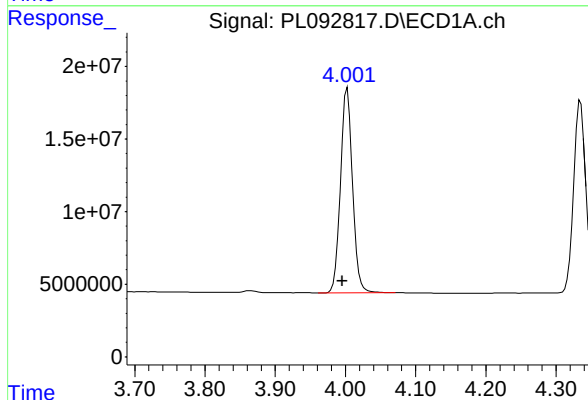
R.T.: 3.547 min
Delta R.T.: 0.007 min
Response: 121348067
Conc: 49.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



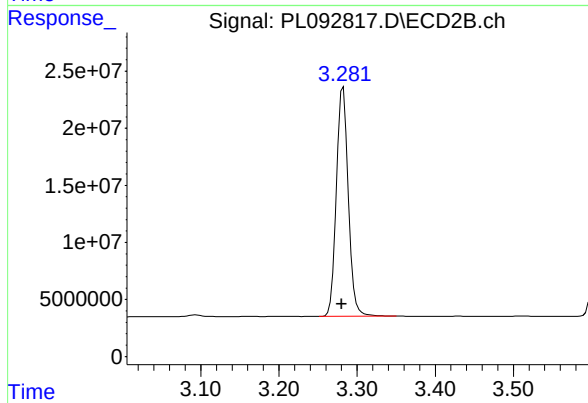
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 141989881
Conc: 52.18 ng/ml



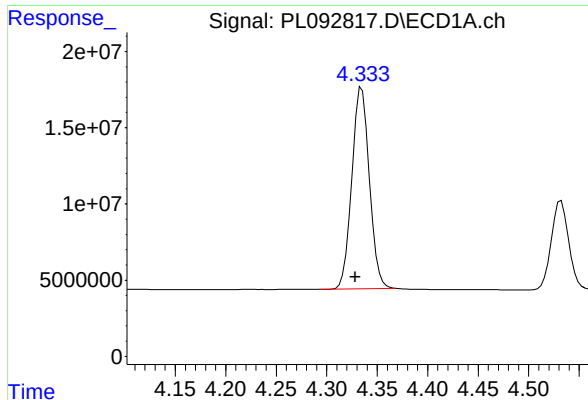
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.007 min
Response: 167347861
Conc: 49.34 ng/ml



#2 alpha-BHC

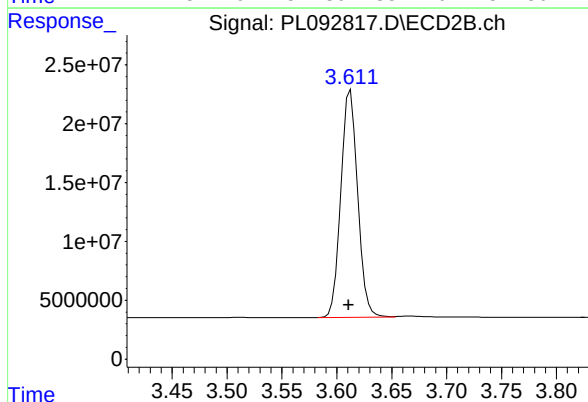
R.T.: 3.282 min
Delta R.T.: 0.002 min
Response: 212459847
Conc: 53.25 ng/ml



#3 gamma-BHC (Lindane)

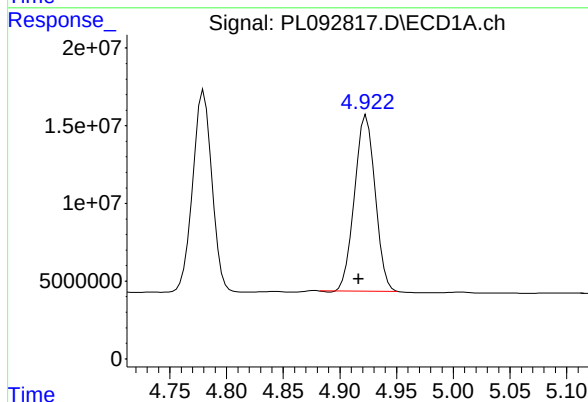
R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 159789776
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



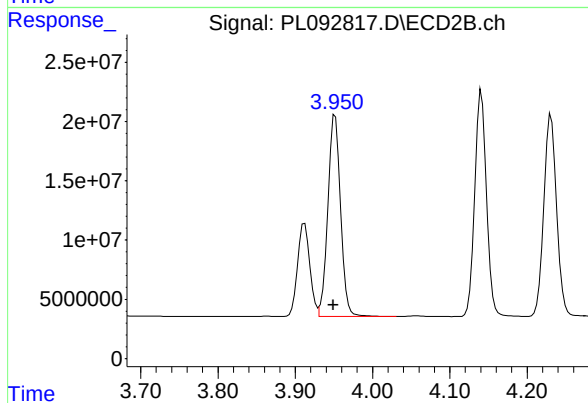
#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 205063539
Conc: 53.13 ng/ml



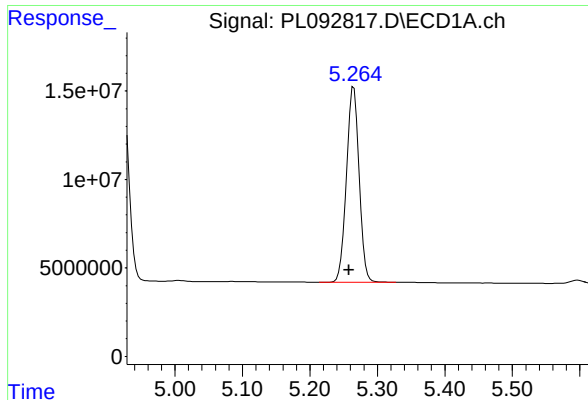
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.007 min
Response: 142915797
Conc: 47.59 ng/ml



#4 Heptachlor

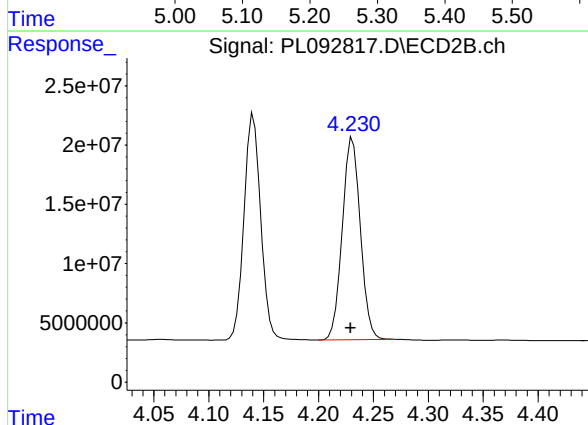
R.T.: 3.952 min
Delta R.T.: 0.002 min
Response: 195306435
Conc: 51.75 ng/ml



#5 Aldrin

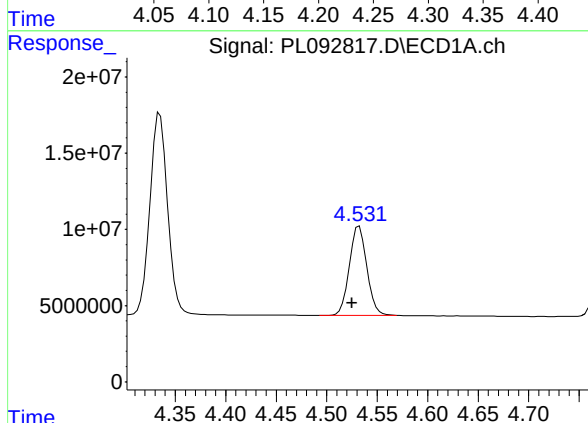
R.T.: 5.265 min
Delta R.T.: 0.007 min
Response: 144916359
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



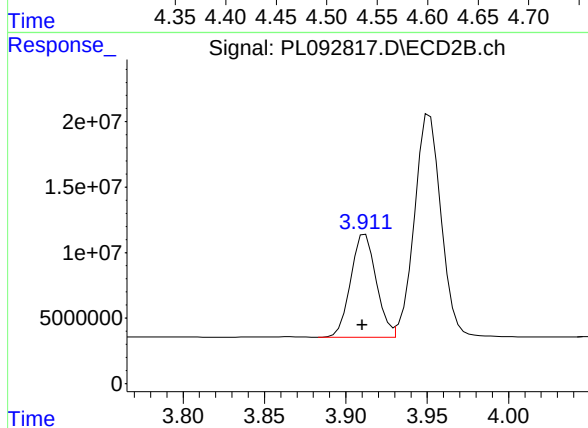
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.002 min
Response: 194945233
Conc: 53.26 ng/ml



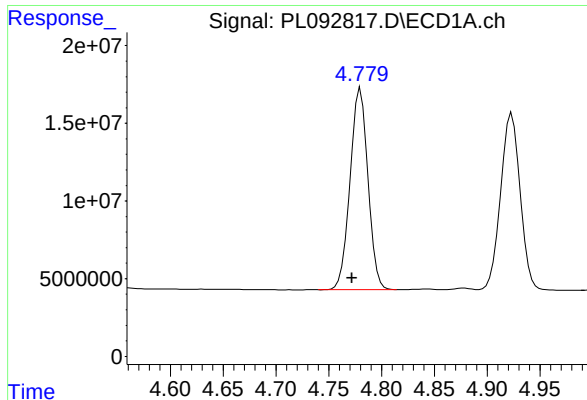
#6 beta-BHC

R.T.: 4.532 min
Delta R.T.: 0.007 min
Response: 70468908
Conc: 48.75 ng/ml



#6 beta-BHC

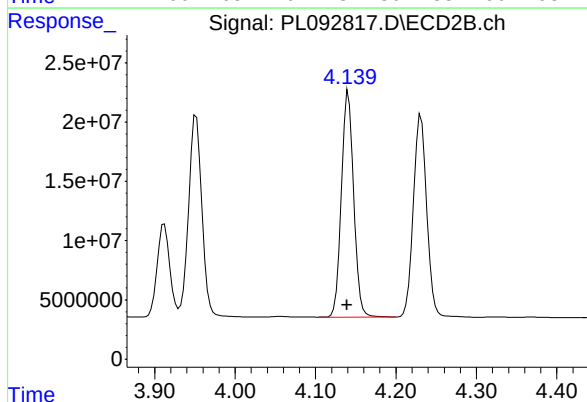
R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 85385627
Conc: 51.87 ng/ml



#7 delta-BHC

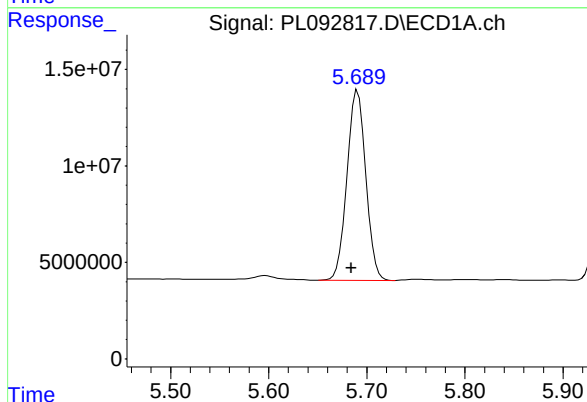
R.T.: 4.780 min
Delta R.T.: 0.008 min
Response: 152457645
Conc: 48.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



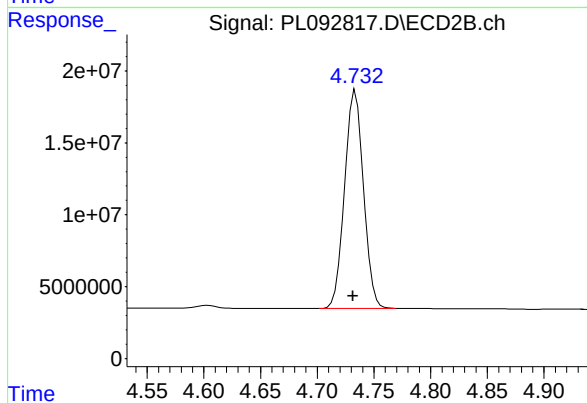
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.002 min
Response: 202541067
Conc: 52.70 ng/ml



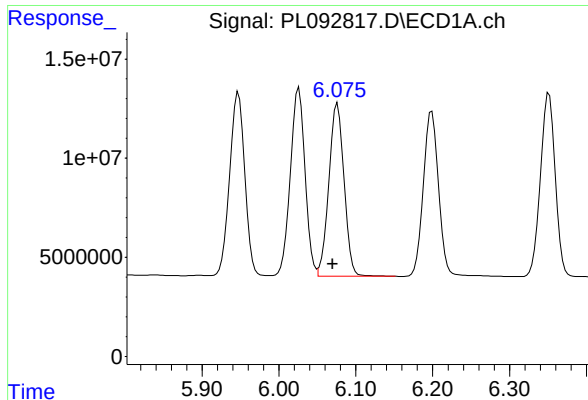
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.006 min
Response: 131610795
Conc: 47.66 ng/ml



#8 Heptachlor epoxide

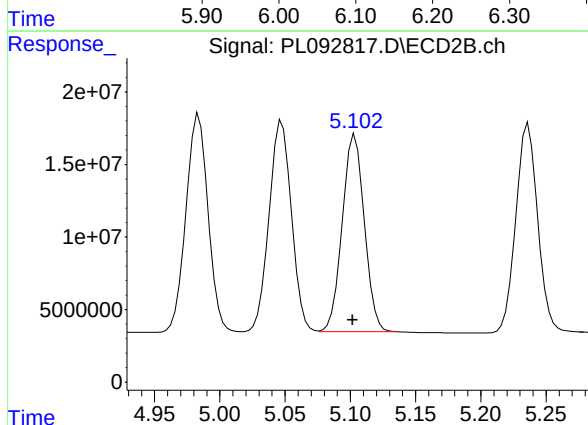
R.T.: 4.734 min
Delta R.T.: 0.002 min
Response: 175743943
Conc: 52.60 ng/ml



#9 Endosulfan I

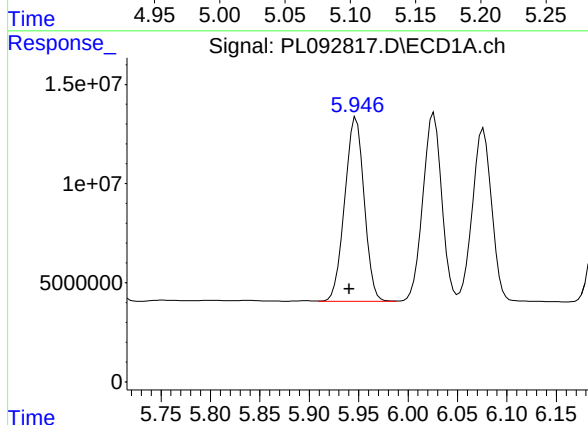
R.T.: 6.076 min
Delta R.T.: 0.007 min
Response: 118354587
Conc: 47.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



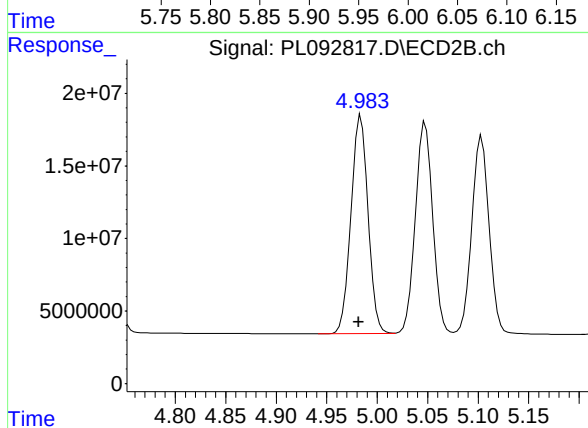
#9 Endosulfan I

R.T.: 5.104 min
Delta R.T.: 0.002 min
Response: 159993442
Conc: 52.40 ng/ml



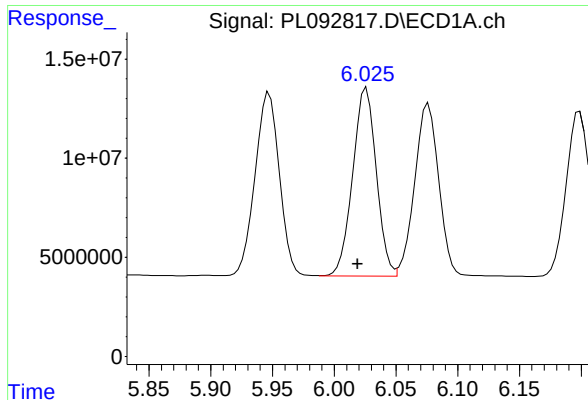
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.007 min
Response: 126910110
Conc: 47.70 ng/ml



#10 gamma-Chlordane

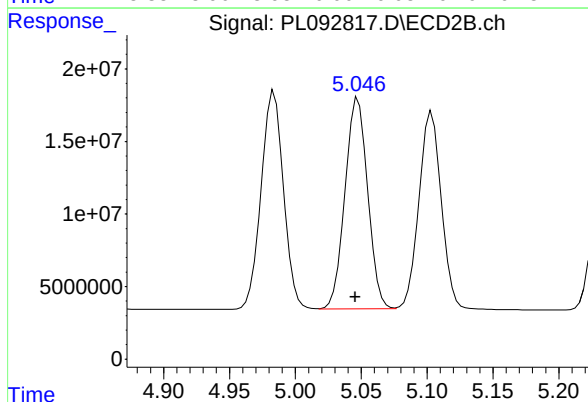
R.T.: 4.984 min
Delta R.T.: 0.002 min
Response: 177488969
Conc: 52.80 ng/ml



#11 alpha-Chlordane

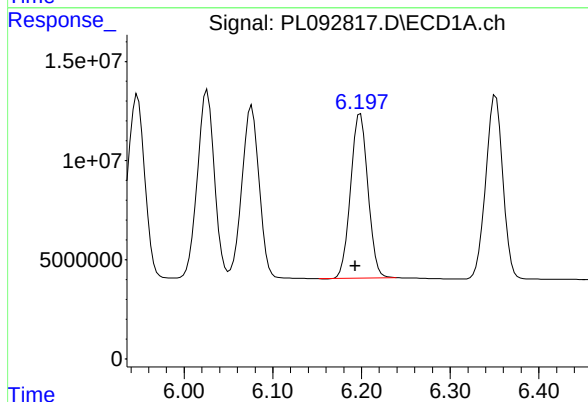
R.T.: 6.026 min
Delta R.T.: 0.007 min
Response: 126475625
Conc: 47.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



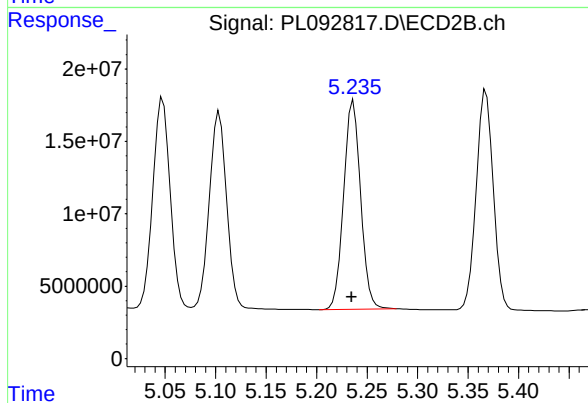
#11 alpha-Chlordane

R.T.: 5.048 min
Delta R.T.: 0.002 min
Response: 174115169
Conc: 52.35 ng/ml



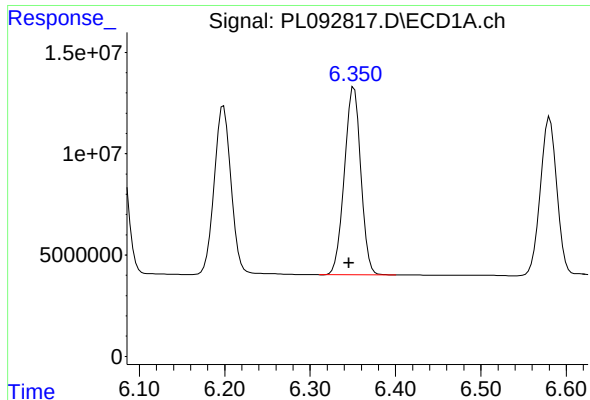
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.006 min
Response: 112760760
Conc: 47.59 ng/ml



#12 4,4'-DDE

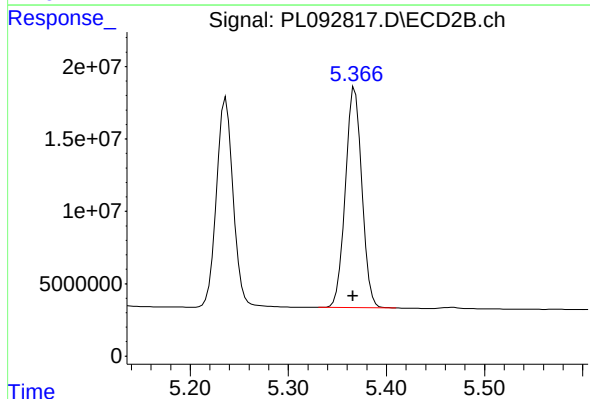
R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 169061490
Conc: 52.48 ng/ml



#13 Dieldrin

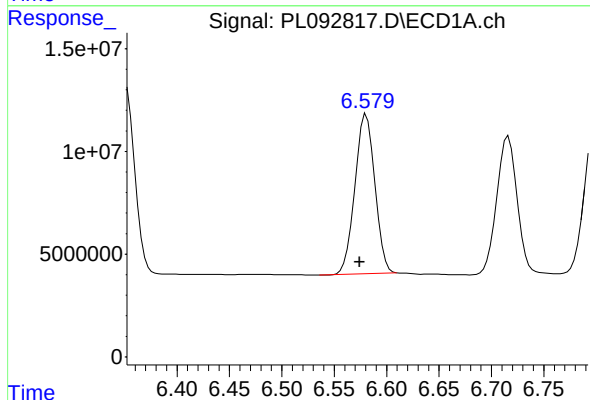
R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 123737398
Conc: 46.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



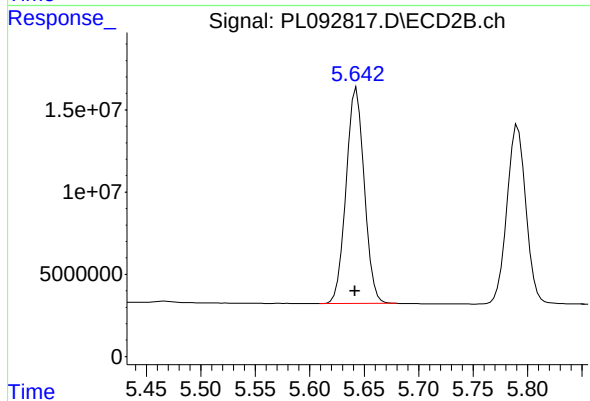
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.002 min
Response: 177658286
Conc: 53.19 ng/ml



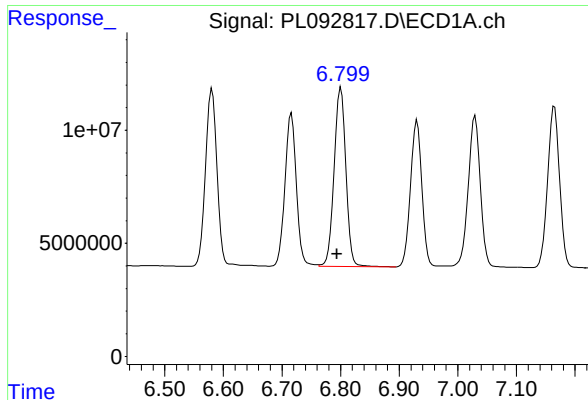
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.006 min
Response: 103522851
Conc: 45.47 ng/ml



#14 Endrin

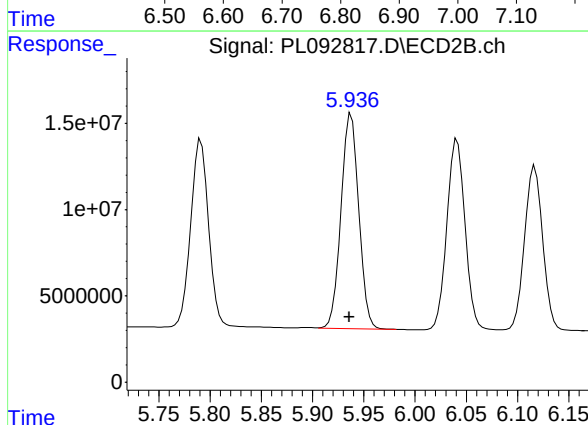
R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 151919918
Conc: 52.51 ng/ml



#15 Endosulfan II

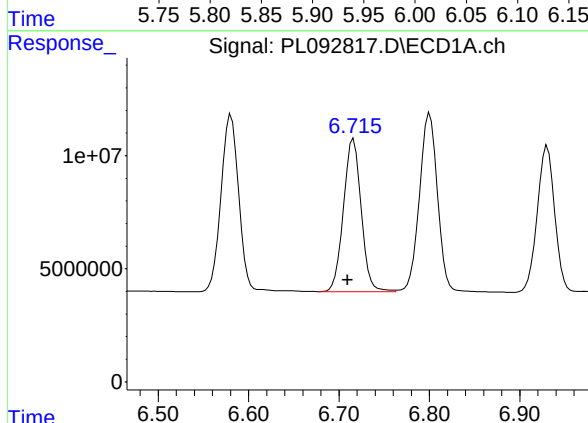
R.T.: 6.800 min
Delta R.T.: 0.006 min
Response: 110029416
Conc: 46.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



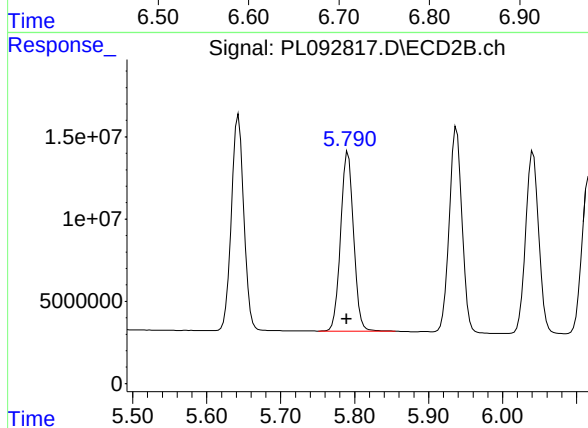
#15 Endosulfan II

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 149555461
Conc: 52.79 ng/ml



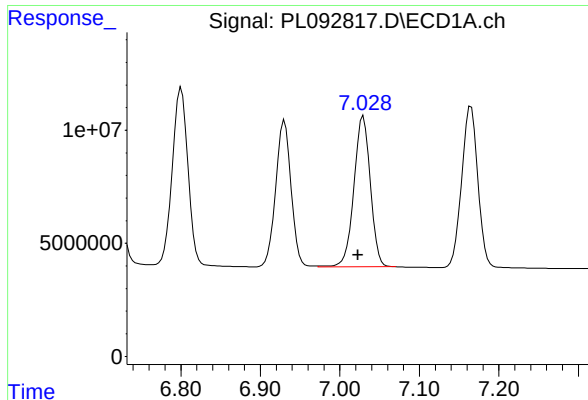
#16 4,4'-DDD

R.T.: 6.716 min
Delta R.T.: 0.007 min
Response: 92290375
Conc: 48.08 ng/ml



#16 4,4'-DDD

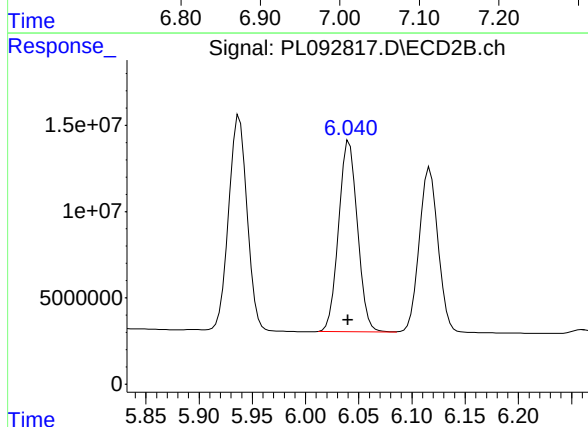
R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 132329695
Conc: 53.14 ng/ml



#17 4,4'-DDT

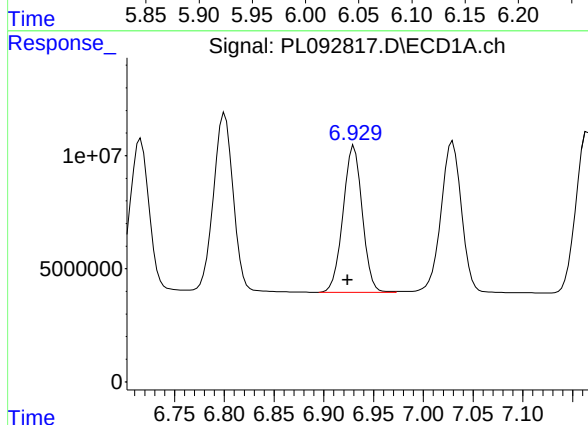
R.T.: 7.030 min
Delta R.T.: 0.007 min
Response: 95514789
Conc: 46.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



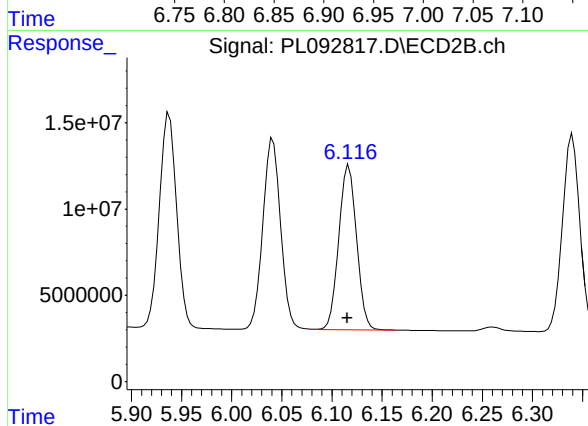
#17 4,4'-DDT

R.T.: 6.041 min
Delta R.T.: 0.001 min
Response: 136052498
Conc: 50.72 ng/ml



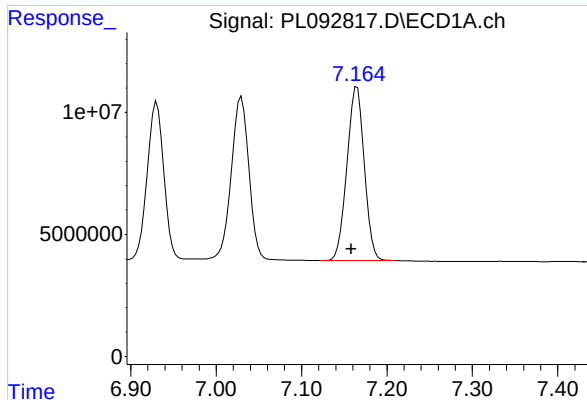
#18 Endrin aldehyde

R.T.: 6.930 min
Delta R.T.: 0.006 min
Response: 86972049
Conc: 46.31 ng/ml



#18 Endrin aldehyde

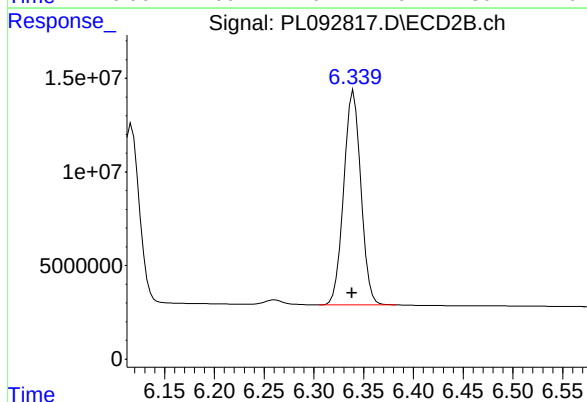
R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 117499777
Conc: 50.93 ng/ml



#19 Endosulfan Sulfate

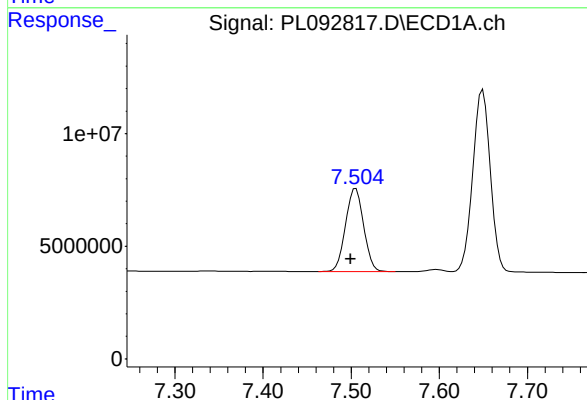
R.T.: 7.165 min
Delta R.T.: 0.007 min
Response: 100884500
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



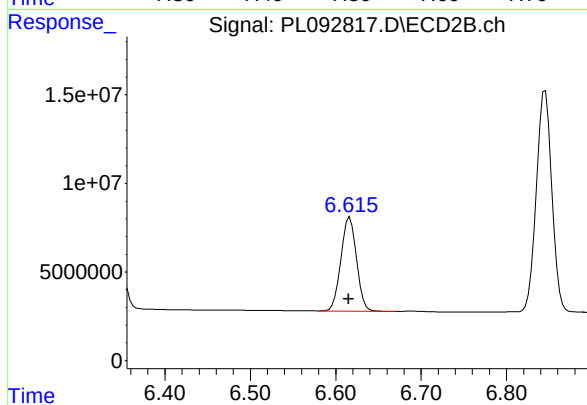
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 137491039
Conc: 50.98 ng/ml



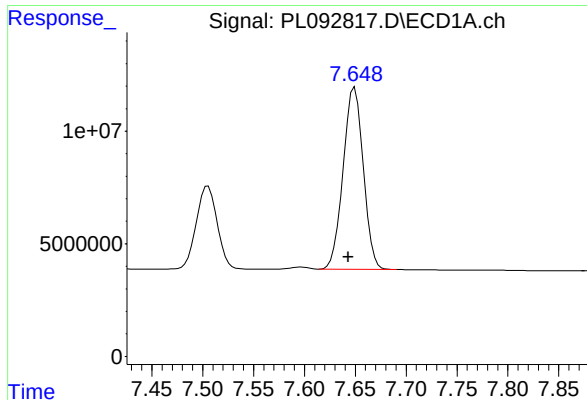
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.006 min
Response: 52607336
Conc: 46.15 ng/ml



#20 Methoxychlor

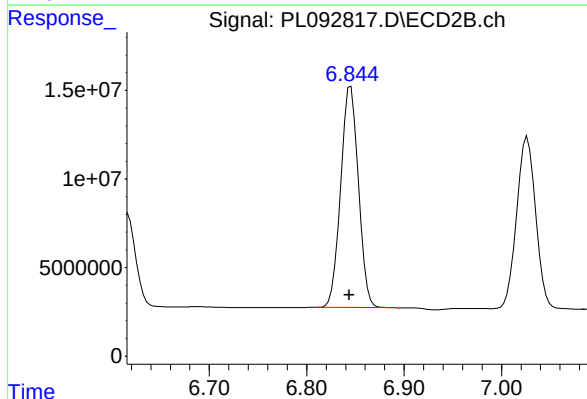
R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 66989252
Conc: 46.91 ng/ml



#21 Endrin ketone

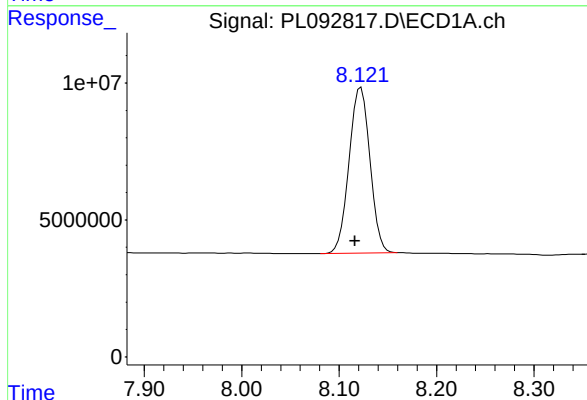
R.T.: 7.649 min
Delta R.T.: 0.006 min
Response: 111494605
Conc: 46.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



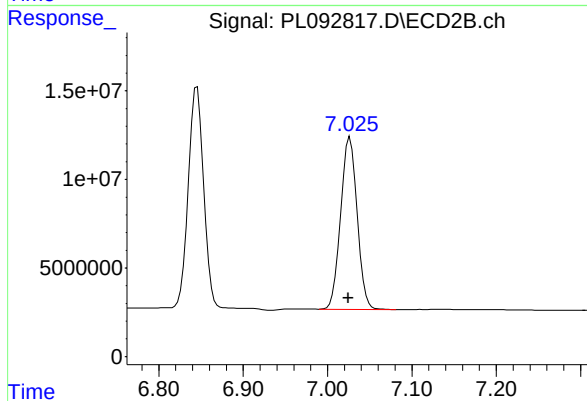
#21 Endrin ketone

R.T.: 6.845 min
Delta R.T.: 0.002 min
Response: 158048725
Conc: 51.50 ng/ml



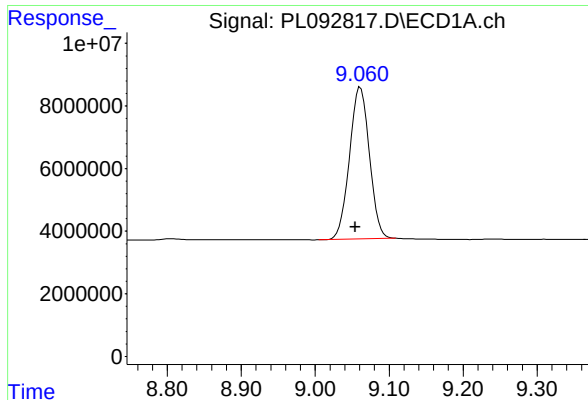
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.006 min
Response: 90286886
Conc: 45.56 ng/ml



#22 Mirex

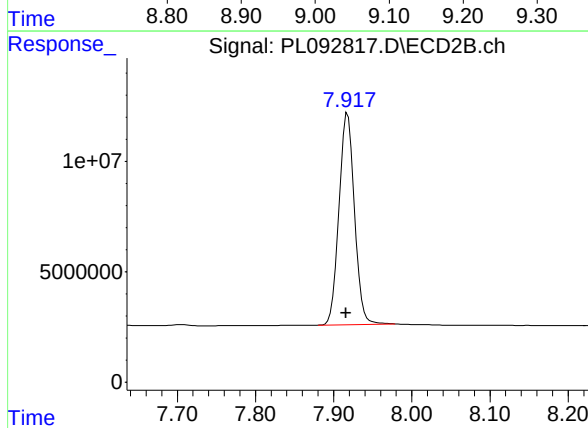
R.T.: 7.027 min
Delta R.T.: 0.002 min
Response: 132237033
Conc: 50.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.007 min
Response: 90710366
Conc: 47.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 132371276
Conc: 48.50 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092839.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.610	6.810	50.970	50.000	1.9
4,4'-DDE	6.194	6.093	6.293	49.480	50.000	-1.0
4,4'-DDT	7.026	6.923	7.123	45.210	50.000	-9.6
Aldrin	5.260	5.158	5.358	49.590	50.000	-0.8
alpha-BHC	3.998	3.896	4.096	51.240	50.000	2.5
alpha-Chlordane	6.021	5.919	6.119	49.160	50.000	-1.7
beta-BHC	4.528	4.425	4.625	50.710	50.000	1.4
Decachlorobiphenyl	9.056	8.954	9.154	48.380	50.000	-3.2
delta-BHC	4.775	4.672	4.872	50.640	50.000	1.3
Dieldrin	6.346	6.245	6.445	48.600	50.000	-2.8
Endosulfan I	6.072	5.970	6.170	48.830	50.000	-2.3
Endosulfan II	6.795	6.694	6.894	46.990	50.000	-6.0
Endosulfan sulfate	7.160	7.058	7.258	47.390	50.000	-5.2
Endrin	6.576	6.474	6.674	46.360	50.000	-7.3
Endrin aldehyde	6.926	6.824	7.024	47.830	50.000	-4.3
Endrin ketone	7.645	7.543	7.743	48.350	50.000	-3.3
gamma-BHC (Lindane)	4.330	4.228	4.428	50.830	50.000	1.7
gamma-Chlordane	5.942	5.841	6.041	49.270	50.000	-1.5
Heptachlor	4.919	4.817	5.017	49.200	50.000	-1.6
Heptachlor epoxide	5.686	5.584	5.784	48.950	50.000	-2.1
Methoxychlor	7.501	7.399	7.599	45.600	50.000	-8.8
Tetrachloro-m-xylene	3.542	3.440	3.640	50.840	50.000	1.7



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092839.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	58.060	50.000	16.1
4,4'-DDE	5.235	5.135	5.335	55.730	50.000	11.5
4,4'-DDT	6.040	5.940	6.140	50.810	50.000	1.6
Aldrin	4.230	4.129	4.329	56.250	50.000	12.5
alpha-BHC	3.281	3.181	3.381	56.490	50.000	13.0
alpha-Chlordane	5.046	4.945	5.145	55.430	50.000	10.9
beta-BHC	3.911	3.810	4.010	54.720	50.000	9.4
Decachlorobiphenyl	7.917	7.816	8.016	49.000	50.000	-2.0
delta-BHC	4.140	4.039	4.239	56.170	50.000	12.3
Dieldrin	5.366	5.266	5.466	55.840	50.000	11.7
Endosulfan I	5.102	5.002	5.202	55.360	50.000	10.7
Endosulfan II	5.936	5.836	6.036	54.510	50.000	9.0
Endosulfan sulfate	6.338	6.238	6.438	53.770	50.000	7.5
Endrin	5.642	5.541	5.741	54.280	50.000	8.6
Endrin aldehyde	6.116	6.015	6.215	53.210	50.000	6.4
Endrin ketone	6.844	6.743	6.943	54.600	50.000	9.2
gamma-BHC (Lindane)	3.611	3.511	3.711	56.260	50.000	12.5
gamma-Chlordane	4.982	4.882	5.082	55.530	50.000	11.1
Heptachlor	3.950	3.849	4.049	54.880	50.000	9.8
Heptachlor epoxide	4.732	4.632	4.832	55.470	50.000	10.9
Methoxychlor	6.615	6.515	6.715	49.110	50.000	-1.8
Tetrachloro-m-xylene	2.779	2.678	2.878	54.940	50.000	9.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
 Data File : PL092839.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2024 18:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 03:18:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.779	124.6E6	149.5E6	50.840	54.943
28) SA Decachlor...	9.056	7.917	93111916	133.7E6	48.381	49.000
Target Compounds						
2) A alpha-BHC	3.998	3.281	173.8E6	225.4E6	51.239	56.491
3) MA gamma-BHC...	4.330	3.611	165.7E6	217.1E6	50.826	56.260
4) MA Heptachlor	4.919	3.950	147.7E6	207.1E6	49.197	54.885
5) MB Aldrin	5.260	4.230	148.8E6	205.9E6	49.586	56.253
6) B beta-BHC	4.528	3.911	73304230	90085779	50.713	54.722
7) B delta-BHC	4.775	4.140	158.5E6	215.9E6	50.640	56.168
8) B Heptachlo...	5.686	4.732	135.2E6	185.3E6	48.952	55.467
9) A Endosulfan I	6.072	5.102	122.1E6	169.0E6	48.825	55.361
10) B gamma-Chl...	5.942	4.982	131.1E6	186.7E6	49.266	55.531
11) B alpha-Chl...	6.021	5.046	130.2E6	184.4E6	49.162	55.428
12) B 4,4'-DDE	6.194	5.235	117.2E6	179.6E6	49.476	55.735
13) MA Dieldrin	6.346	5.366	128.1E6	186.5E6	48.603	55.838
14) MA Endrin	6.576	5.642	105.5E6	157.0E6	46.357	54.281
15) B Endosulfa...	6.795	5.936	112.0E6	154.5E6	46.992	54.513
16) A 4,4'-DDD	6.711	5.790	97829482	144.6E6	50.965	58.062
17) MA 4,4'-DDT	7.026	6.040	93578502	136.3E6	45.212	50.808
18) B Endrin al...	6.926	6.116	89827815	122.8E6	47.832	53.206
19) B Endosulfa...	7.160	6.338	102.9E6	145.0E6	47.393	53.766
20) A Methoxychlor	7.501	6.615	51985620	70135004	45.601	49.113
21) B Endrin ke...	7.645	6.844	117.2E6	167.6E6	48.355	54.601
22) Mirex	8.118	7.025	91890924	133.9E6	46.370	51.338

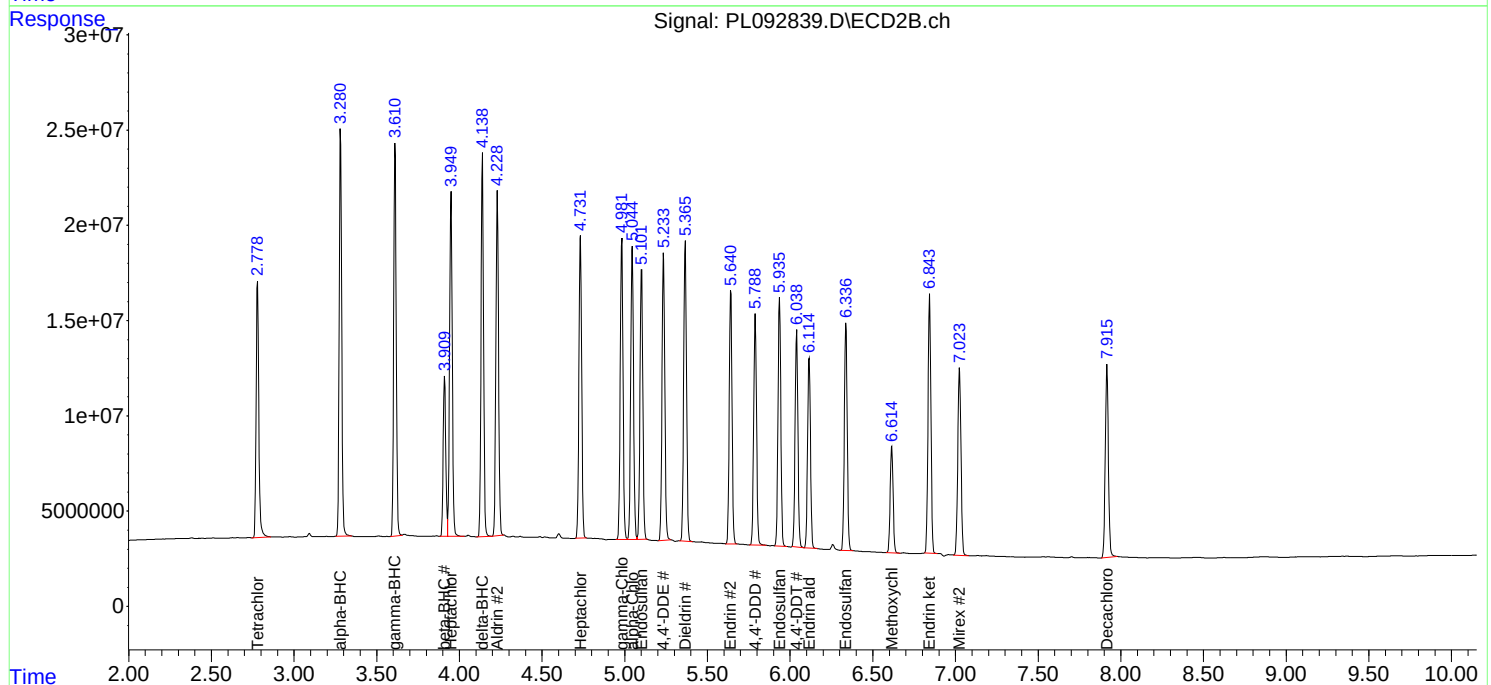
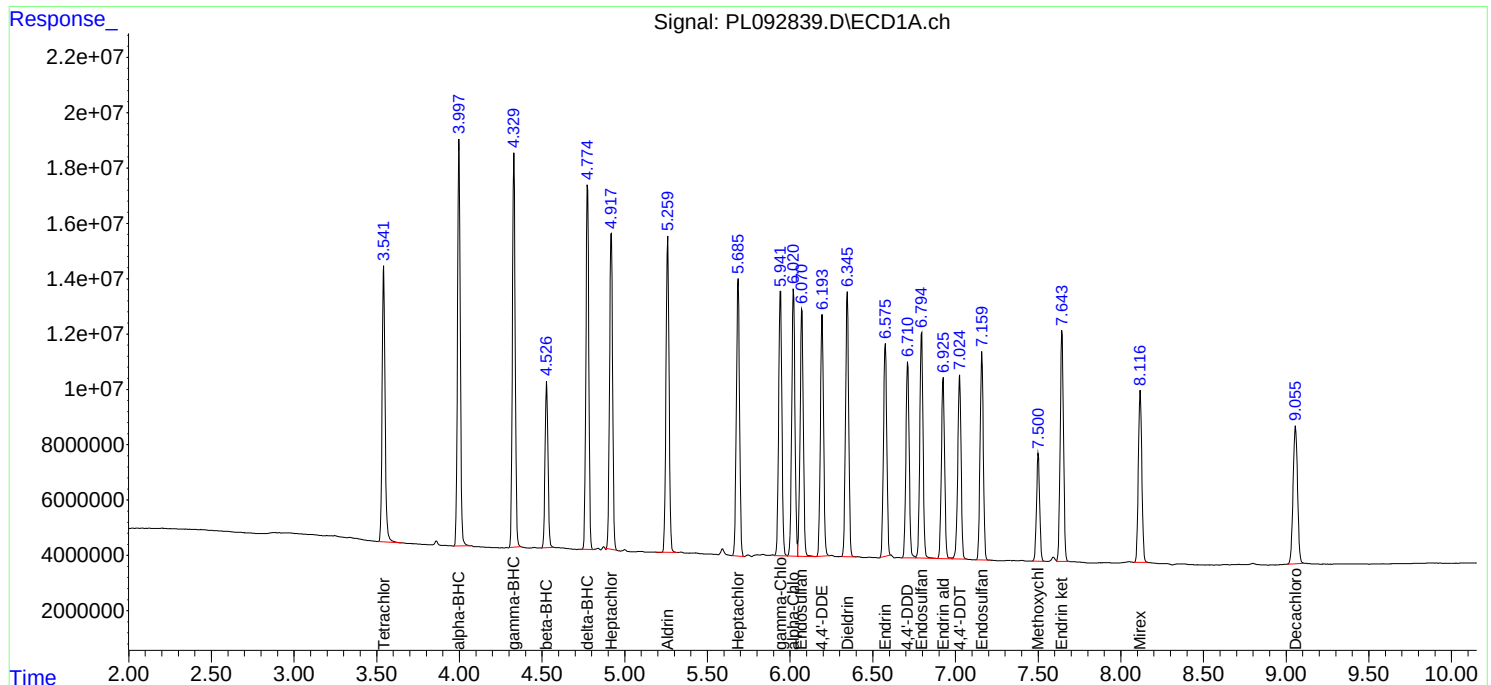
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

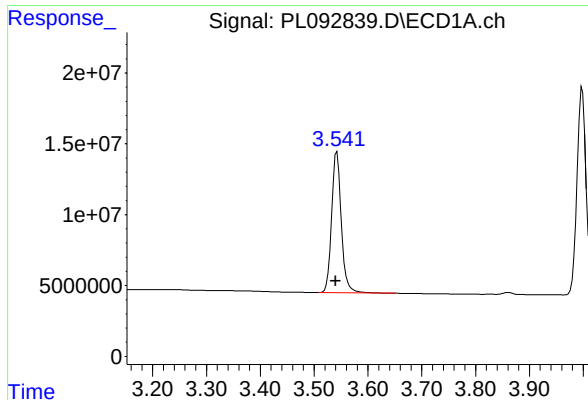
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 18:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:18:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

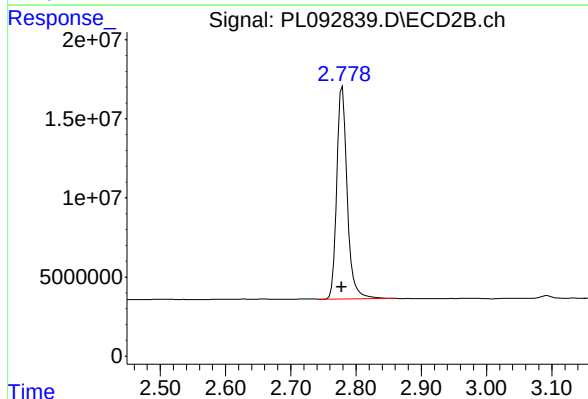




#1 Tetrachloro-m-xylene

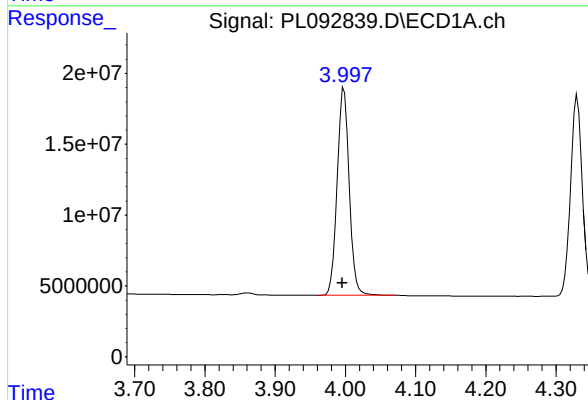
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 124571042
Conc: 50.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



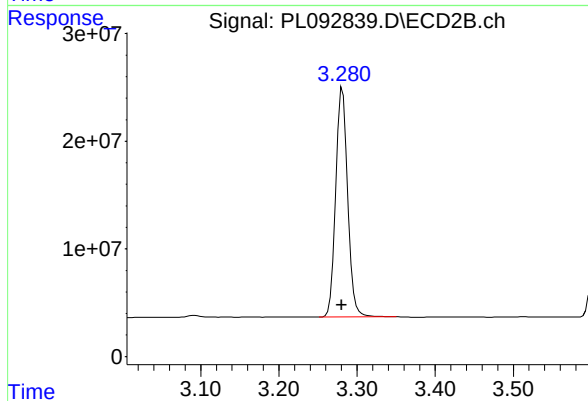
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 149509556
Conc: 54.94 ng/ml



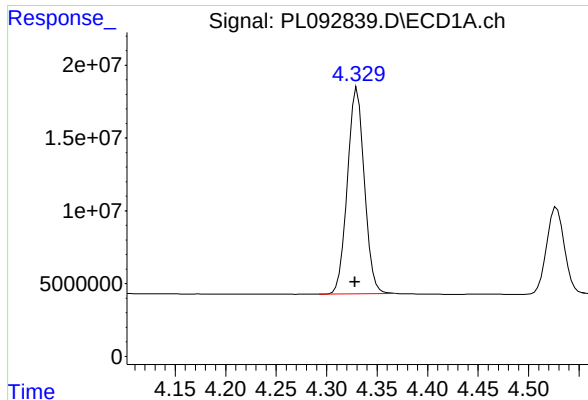
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.002 min
Response: 173779324
Conc: 51.24 ng/ml



#2 alpha-BHC

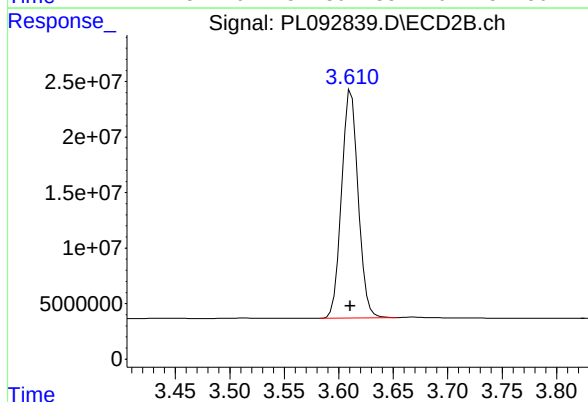
R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 225408508
Conc: 56.49 ng/ml



#3 gamma-BHC (Lindane)

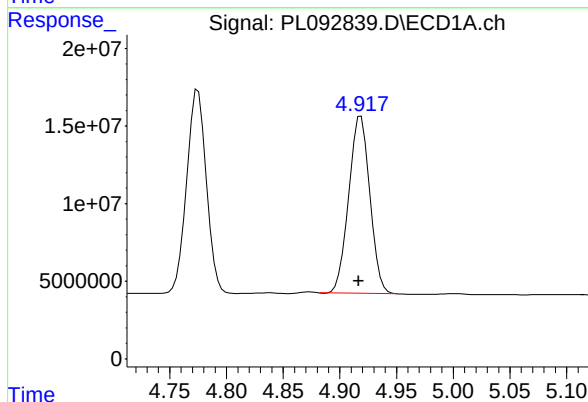
R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 165670634
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



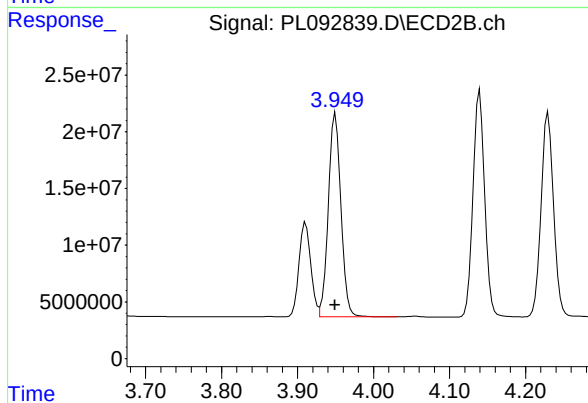
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 217133343
Conc: 56.26 ng/ml



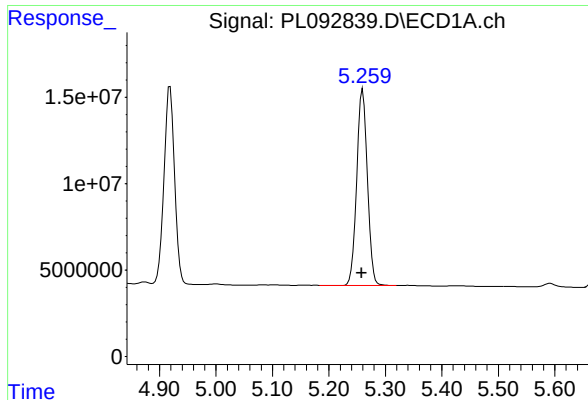
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: 0.002 min
Response: 147743989
Conc: 49.20 ng/ml



#4 Heptachlor

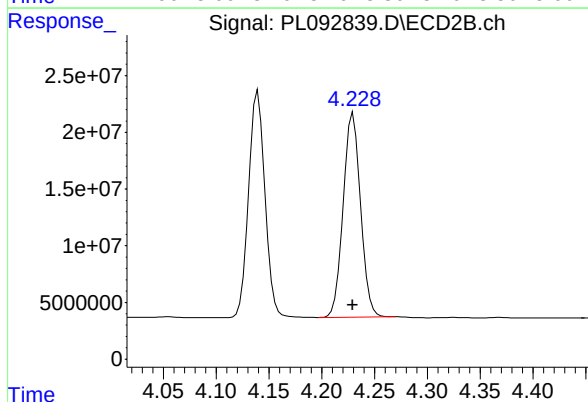
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 207131942
Conc: 54.88 ng/ml



#5 Aldrin

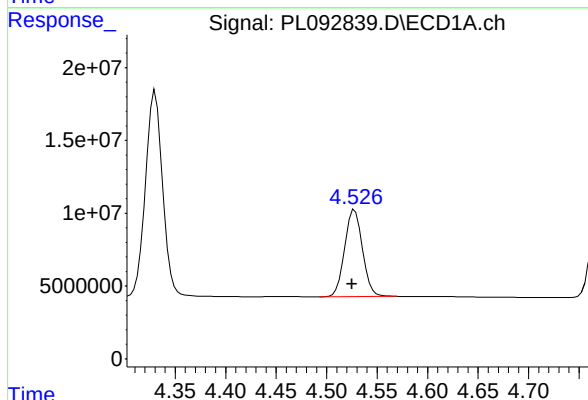
R.T.: 5.260 min
Delta R.T.: 0.002 min
Response: 148830743
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



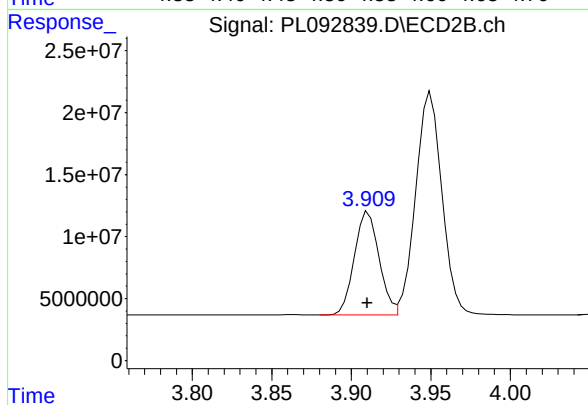
#5 Aldrin

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 205896152
Conc: 56.25 ng/ml



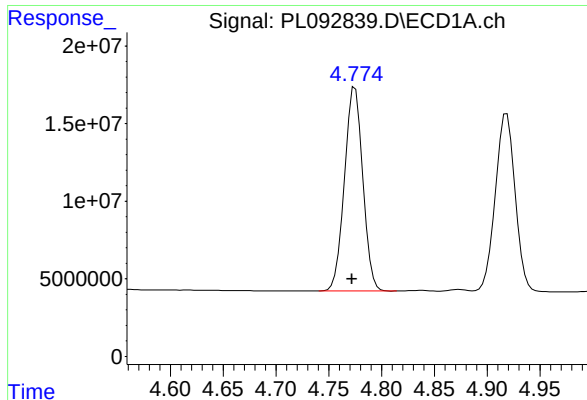
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 73304230
Conc: 50.71 ng/ml



#6 beta-BHC

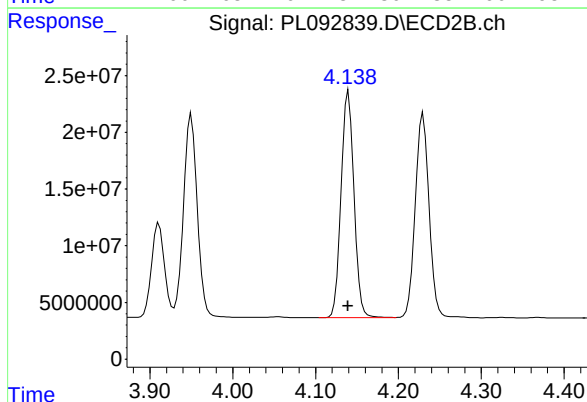
R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 90085779
Conc: 54.72 ng/ml



#7 delta-BHC

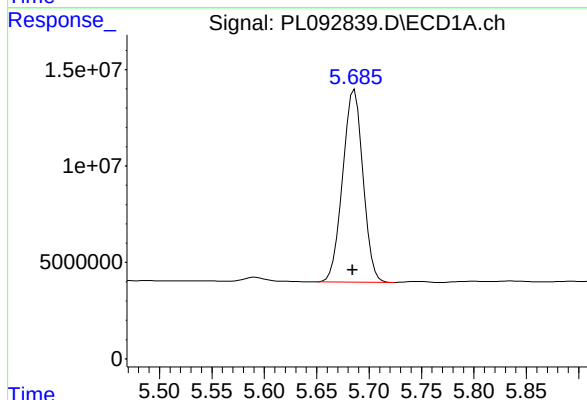
R.T.: 4.775 min
Delta R.T.: 0.003 min
Response: 158498088
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



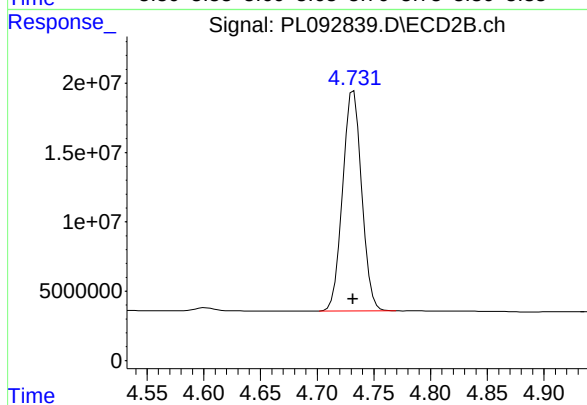
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.000 min
Response: 215862335
Conc: 56.17 ng/ml



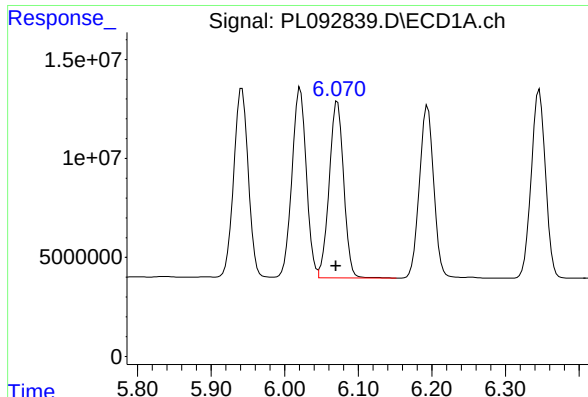
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.002 min
Response: 135176225
Conc: 48.95 ng/ml



#8 Heptachlor epoxide

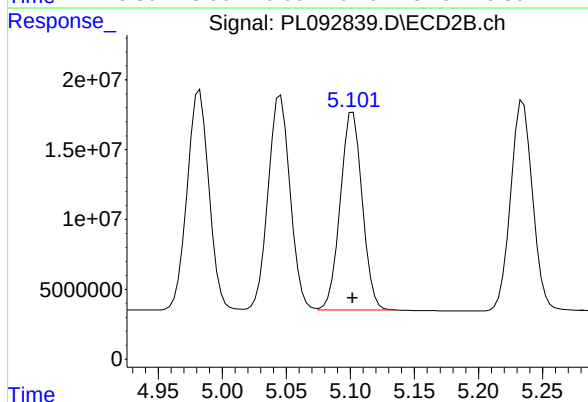
R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 185338894
Conc: 55.47 ng/ml



#9 Endosulfan I

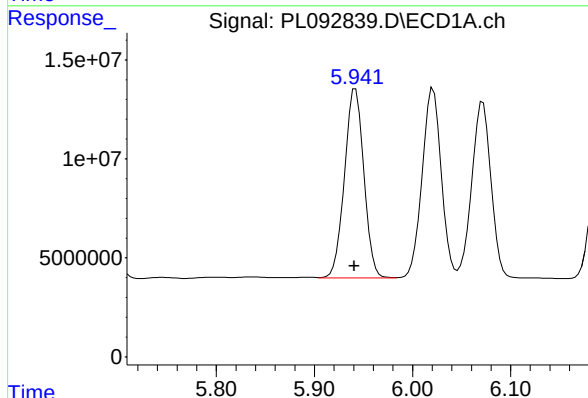
R.T.: 6.072 min
Delta R.T.: 0.002 min
Response: 122129521
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



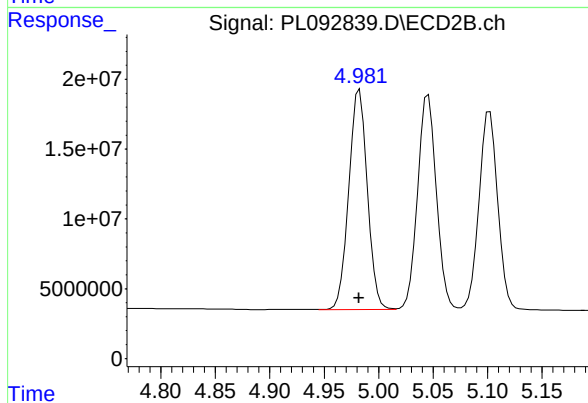
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 169025853
Conc: 55.36 ng/ml



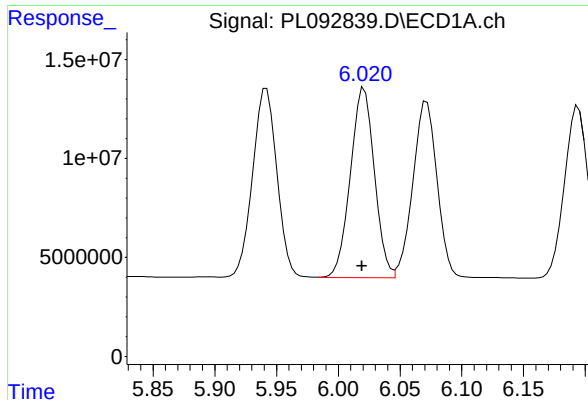
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.001 min
Response: 131079651
Conc: 49.27 ng/ml



#10 gamma-Chlordane

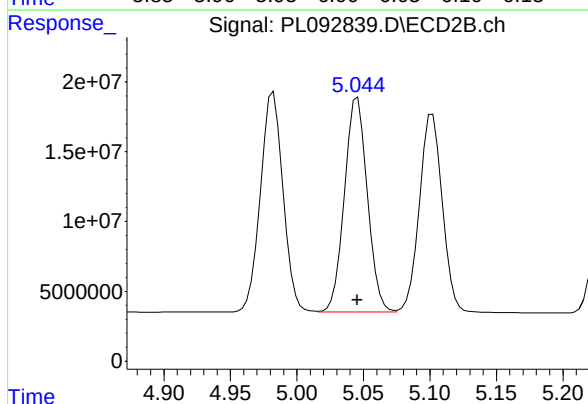
R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 186677289
Conc: 55.53 ng/ml



#11 alpha-Chlordane

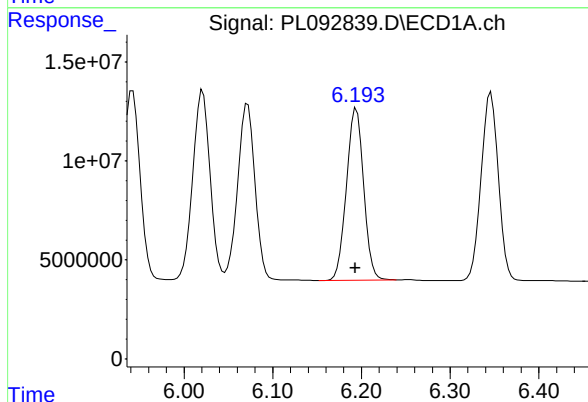
R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 130189042
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



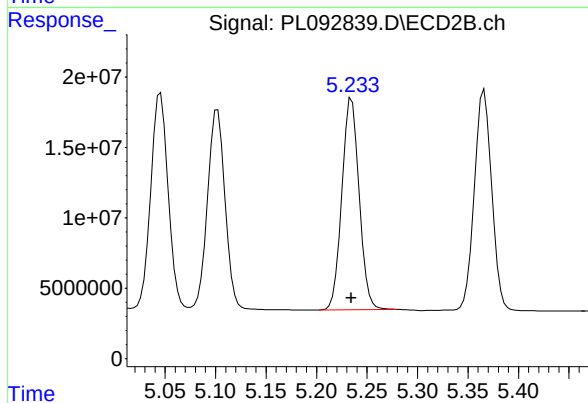
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 184354512
Conc: 55.43 ng/ml



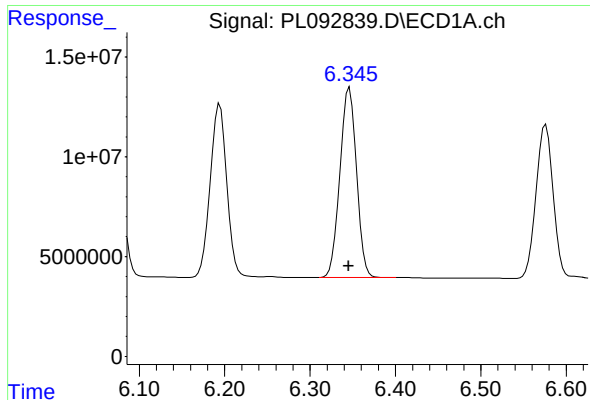
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 117218448
Conc: 49.48 ng/ml



#12 4,4'-DDE

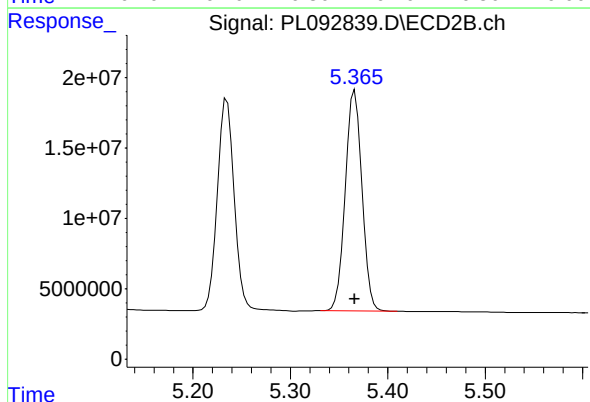
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 179555708
Conc: 55.73 ng/ml



#13 Dieldrin

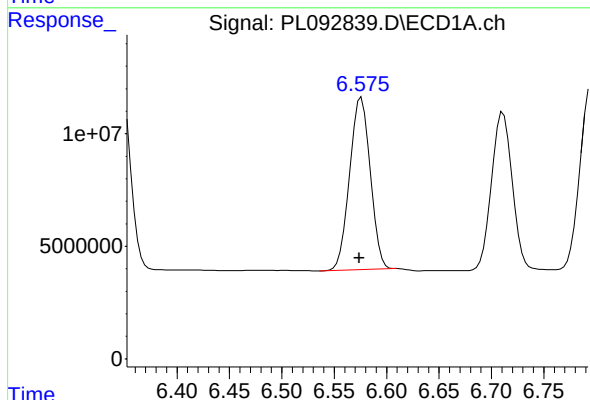
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 128092021
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



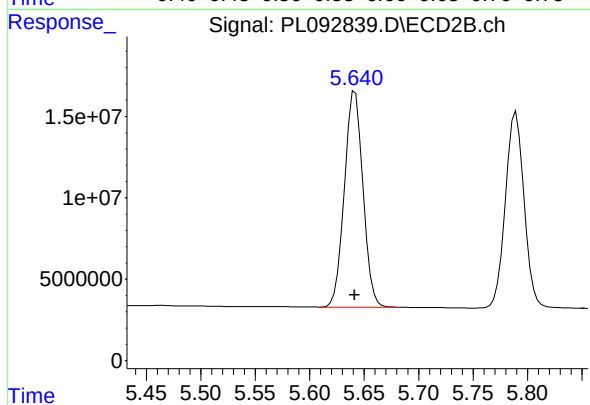
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 186515829
Conc: 55.84 ng/ml



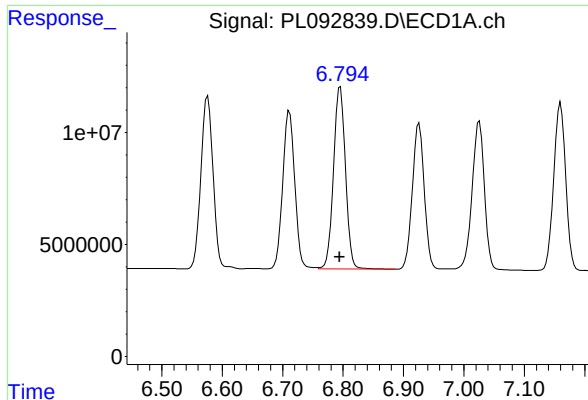
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.002 min
Response: 105538176
Conc: 46.36 ng/ml



#14 Endrin

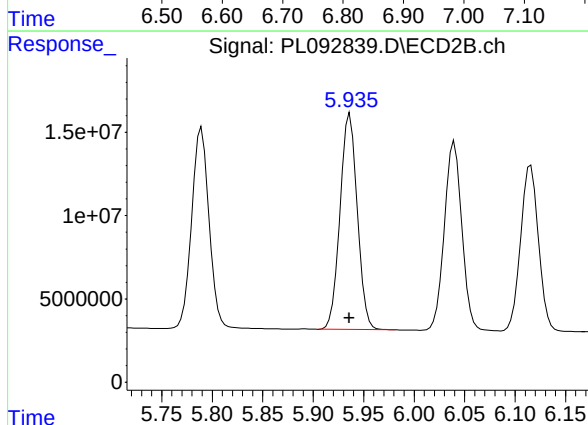
R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 157034447
Conc: 54.28 ng/ml



#15 Endosulfan II

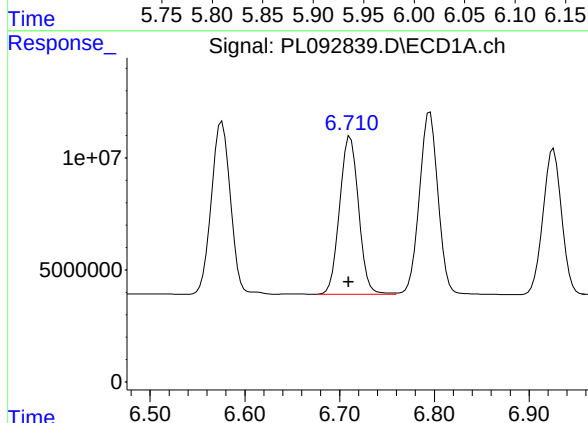
R.T.: 6.795 min
Delta R.T.: 0.001 min
Response: 112021533
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



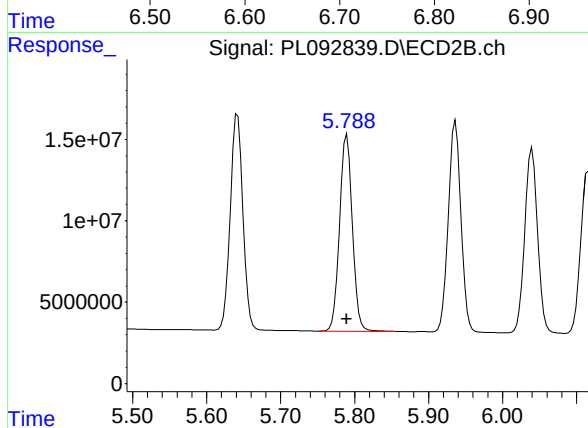
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 154451271
Conc: 54.51 ng/ml



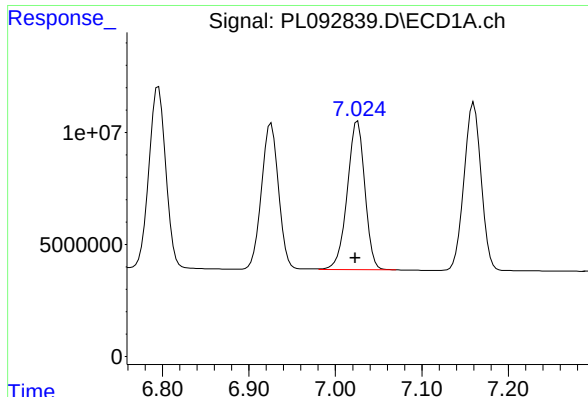
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.002 min
Response: 97829482
Conc: 50.97 ng/ml



#16 4,4'-DDD

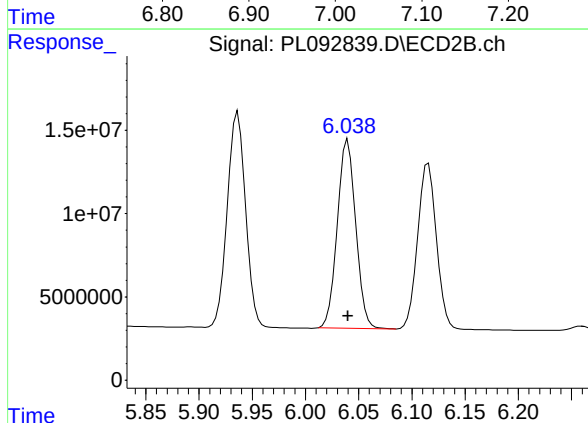
R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 144578589
Conc: 58.06 ng/ml



#17 4,4'-DDT

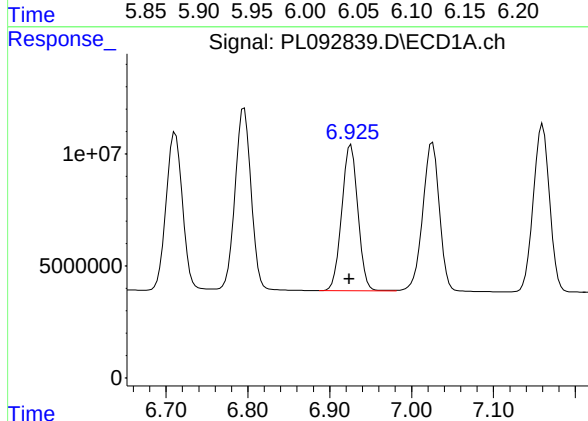
R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 93578502
Conc: 45.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



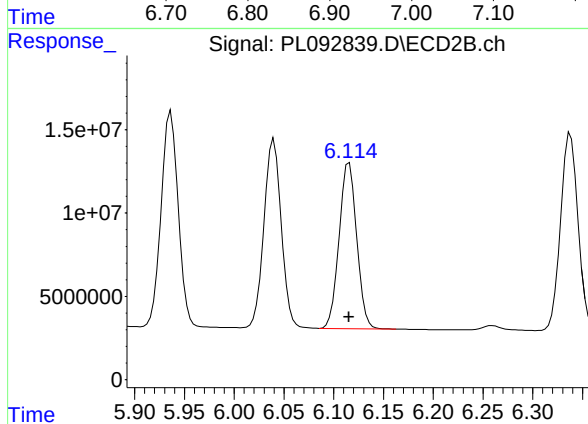
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 136280614
Conc: 50.81 ng/ml



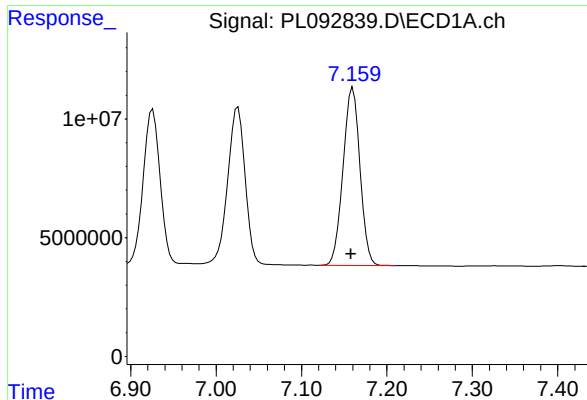
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.002 min
Response: 89827815
Conc: 47.83 ng/ml



#18 Endrin aldehyde

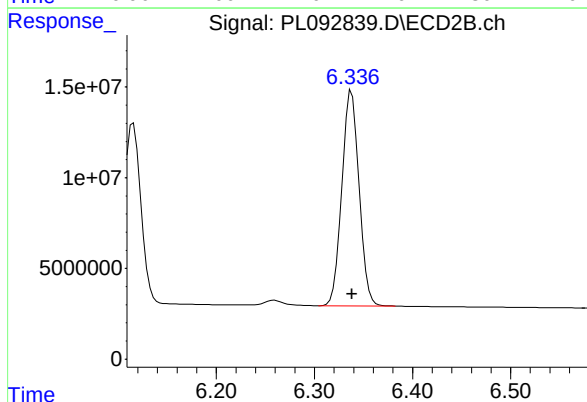
R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 122761047
Conc: 53.21 ng/ml



#19 Endosulfan Sulfate

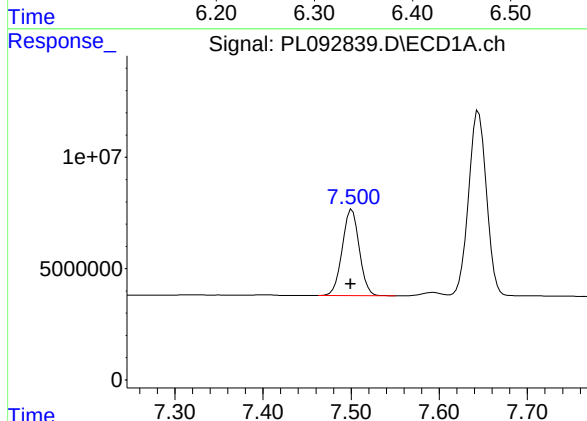
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 102859920
Conc: 47.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



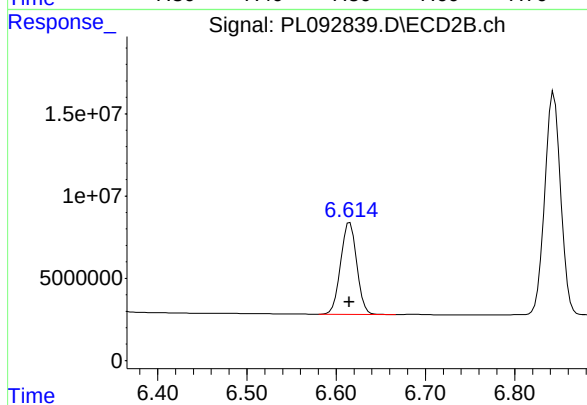
#19 Endosulfan Sulfate

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 144999753
Conc: 53.77 ng/ml



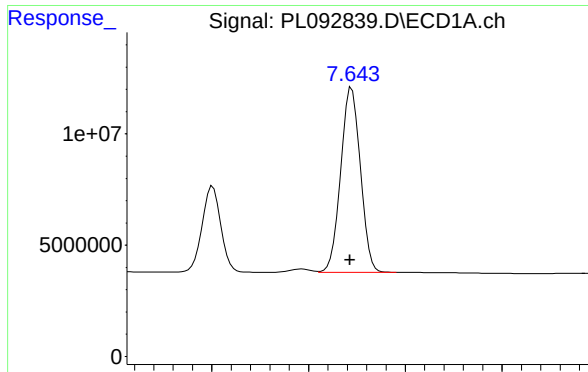
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.002 min
Response: 51985620
Conc: 45.60 ng/ml



#20 Methoxychlor

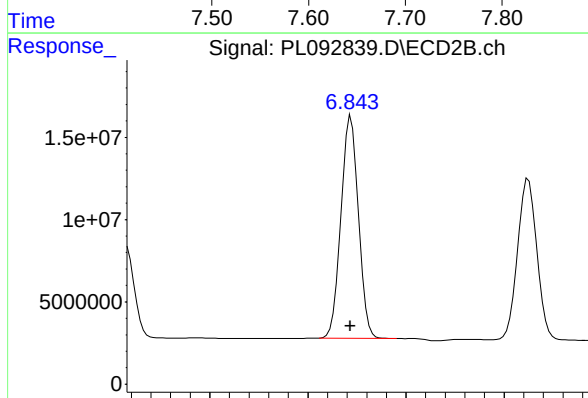
R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 70135004
Conc: 49.11 ng/ml



#21 Endrin ketone

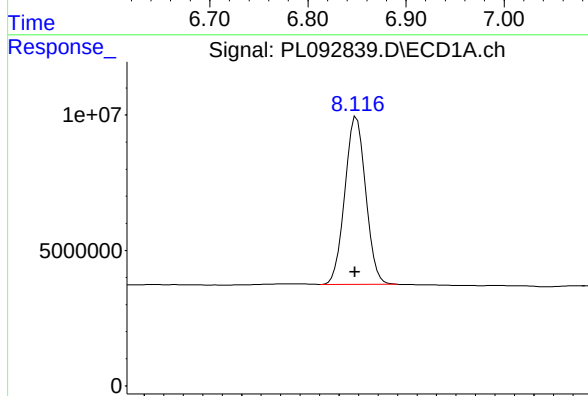
R.T.: 7.645 min
Delta R.T.: 0.002 min
Response: 117154962
Conc: 48.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



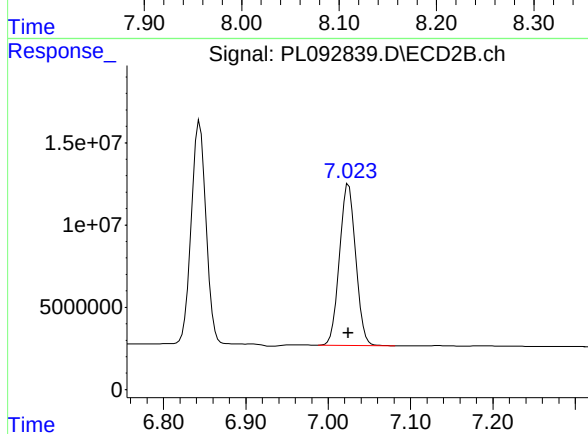
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 167559963
Conc: 54.60 ng/ml



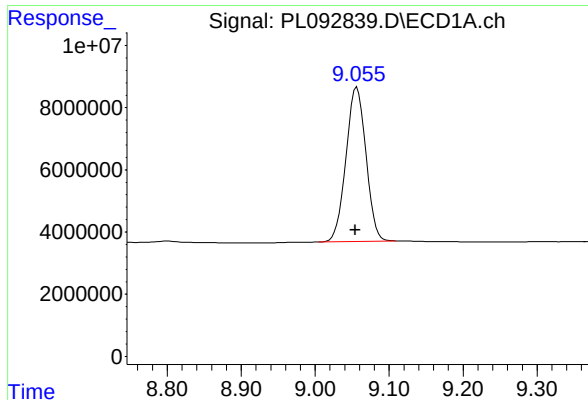
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.002 min
Response: 91890924
Conc: 46.37 ng/ml



#22 Mirex

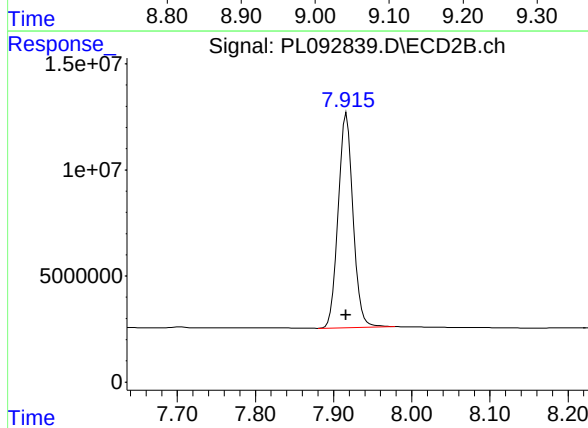
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 133945592
Conc: 51.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 93111916
Conc: 48.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 133731724
Conc: 49.00 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D Date Analyzed: 10/21/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D Date Analyzed: 10/21/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

Data File: PEM
Operator: PL092495.D Date Acquired 10/21/2024 12:33
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	124859397	132813473.9	7954076.82	5.99
Endrin aldehyde	6.92	2666257.271			
Endrin ketone	7.64	5287819.553			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	148101747.1	158894052.5	10792305.4	6.79
Endrin aldehyde #2	6.12	4353503.9			
Endrin ketone #2	6.84	6438801.483			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	224430298.1	225925338.5	1495040.33	0.66
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1495040.33			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	284970138.7	287462552.2	2492413.51	0.87
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	2492413.509			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
 Data File : PL092495.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 12:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/22/2024
 Supervised By : Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:13:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	53047995	53014219	19.692	19.087
2) SA Decachlor...	9.056	7.918	40001547	51014840	19.694	19.361
Target Compounds						
2) A alpha-BHC	3.995	3.280	42802855	41326102	10.386	9.577
3) MA gamma-BHC...	4.327	3.610	38029912	39418198	9.886	9.572
6) B beta-BHC	4.525	3.910	15139121	19916261	9.753	11.407
14) MA Endrin	6.575	5.642	124.9E6	148.1E6	44.218	45.223
16) A 4,4'-DDD	6.711	5.791	1495040	2492414	0.619m	0.897m#
17) MA 4,4'-DDT	7.025	6.041	224.4E6	285.0E6	91.008	97.029
18) B Endrin al...	6.922	6.116	2666257	4353504	1.248m	1.772 #
20) A Methoxychlor	7.501	6.616	262.5E6	320.6E6	222.858	226.145
21) B Endrin ke...	7.643	6.843	5287820	6438801	1.923	2.005m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

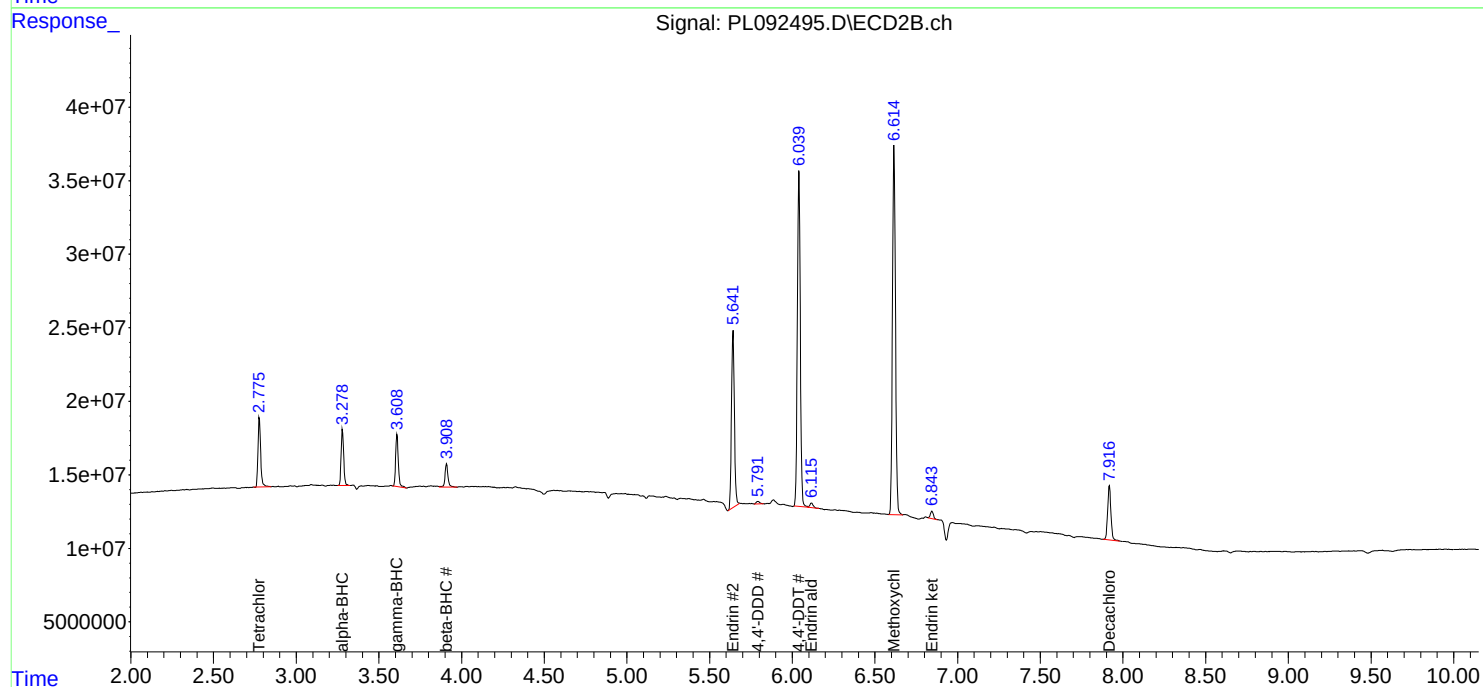
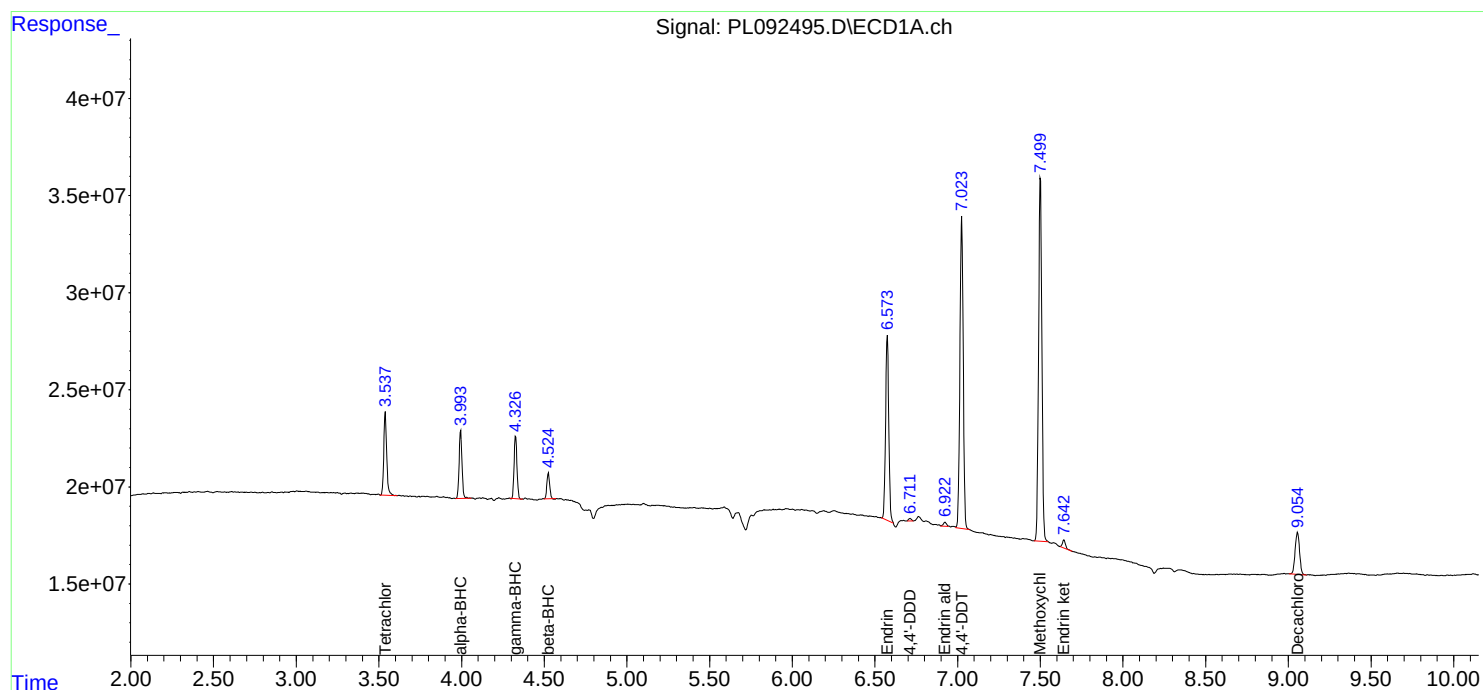
Instrument :
ECD_L
ClientSampleId :
PEM

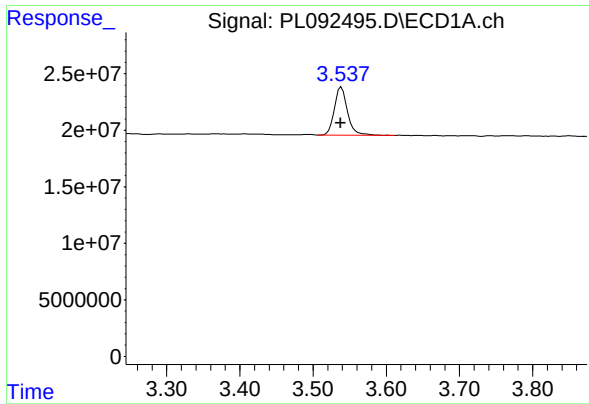
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/22/2024
Supervised By : Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:13:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





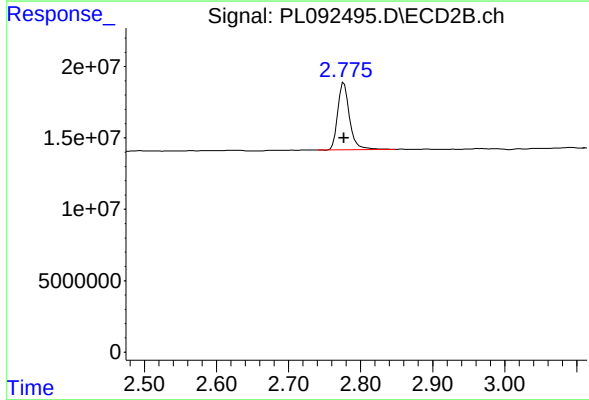
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 53047995
Conc: 19.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

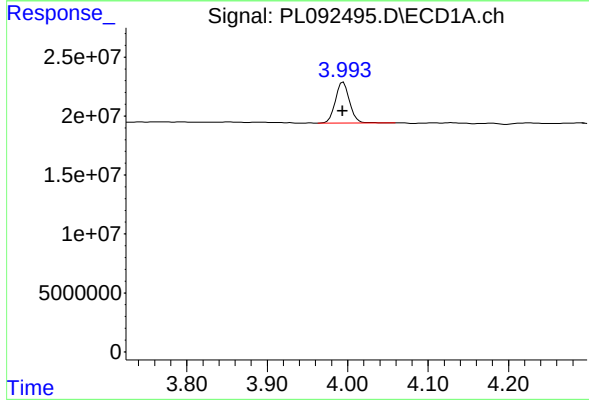
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



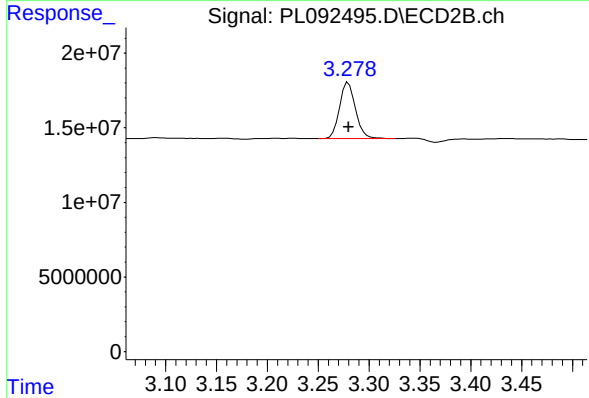
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 53014219
Conc: 19.09 ng/ml



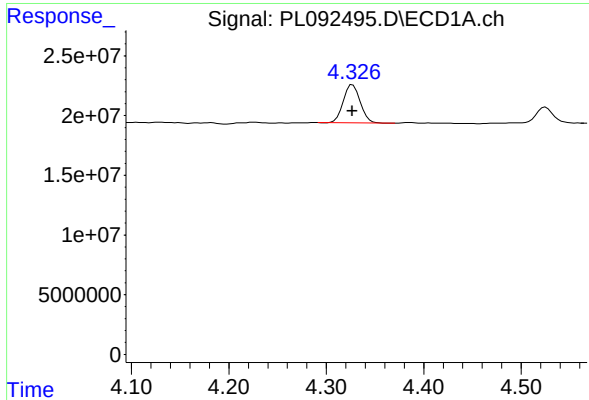
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 42802855
Conc: 10.39 ng/ml



#2 alpha-BHC

R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 41326102
Conc: 9.58 ng/ml



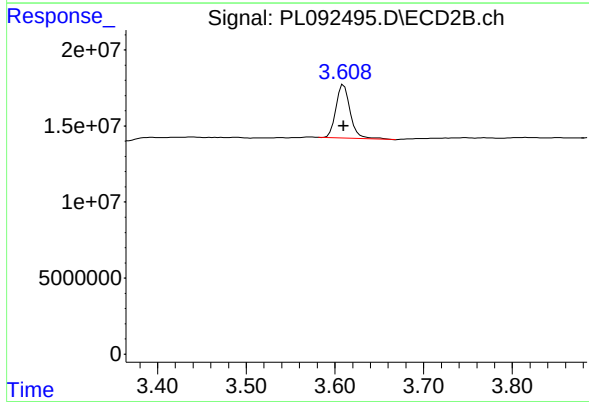
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 38029912
Conc: 9.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

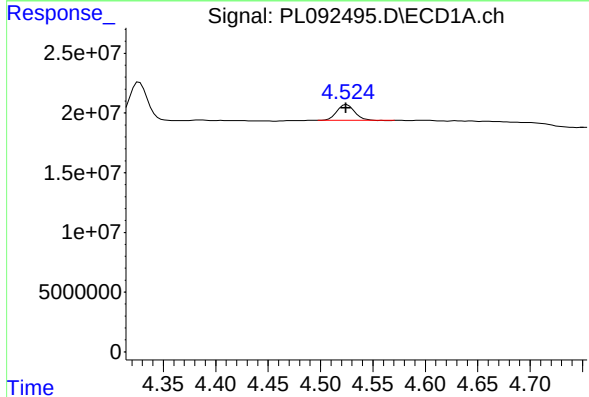
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



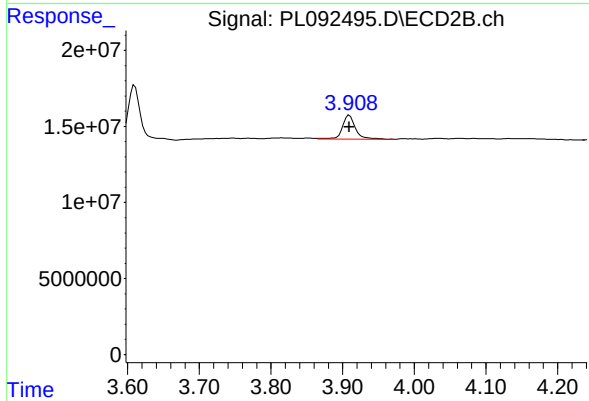
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 39418198
Conc: 9.57 ng/ml



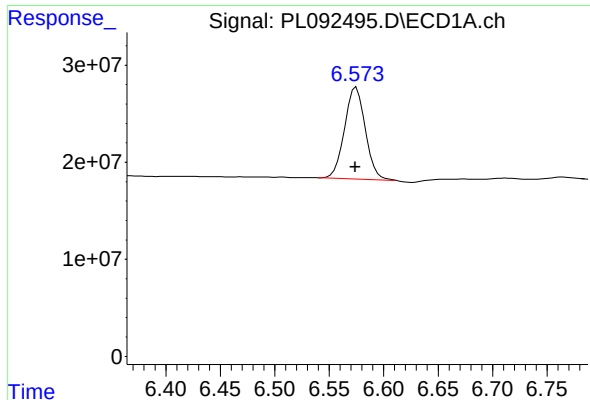
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15139121
Conc: 9.75 ng/ml



#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 19916261
Conc: 11.41 ng/ml



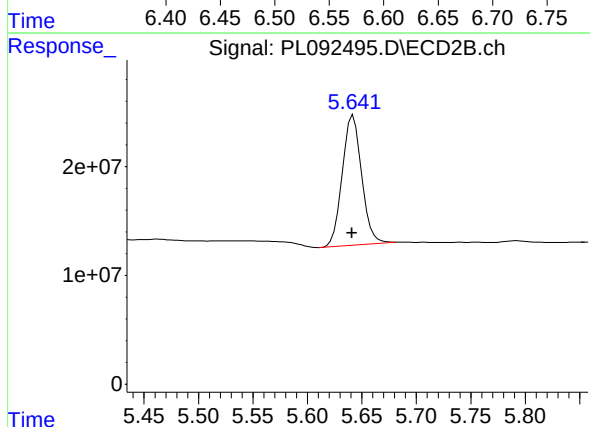
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 124859397
Conc: 44.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

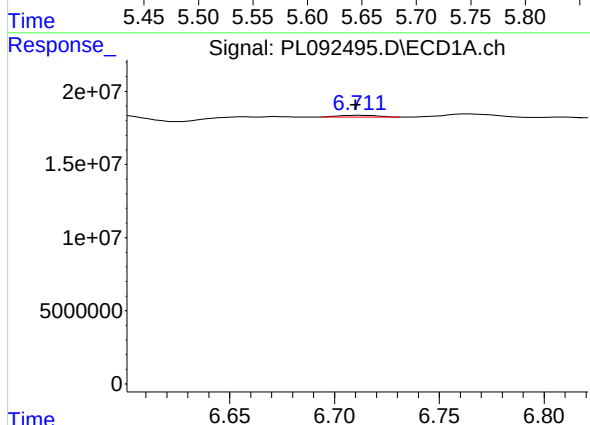
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



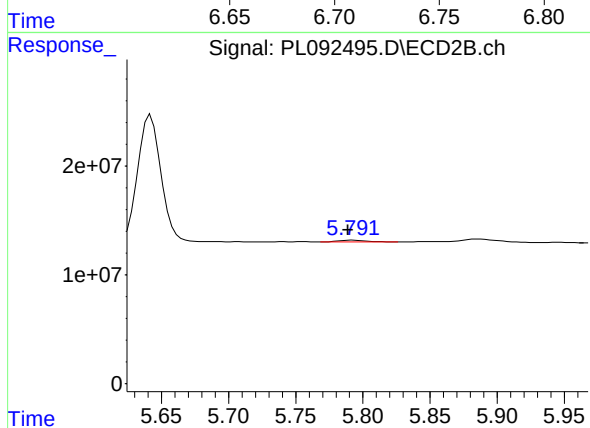
#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.001 min
Response: 148101747
Conc: 45.22 ng/ml



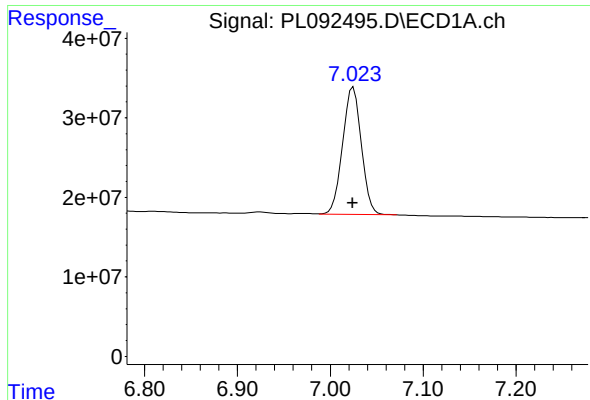
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1495040
Conc: 0.62 ng/ml m



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 2492414
Conc: 0.90 ng/ml m



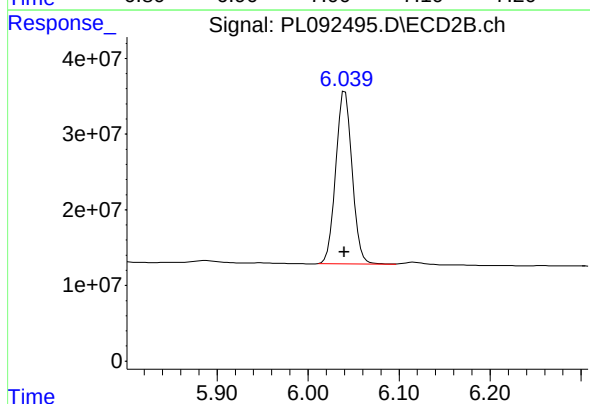
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 224430298
Conc: 91.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

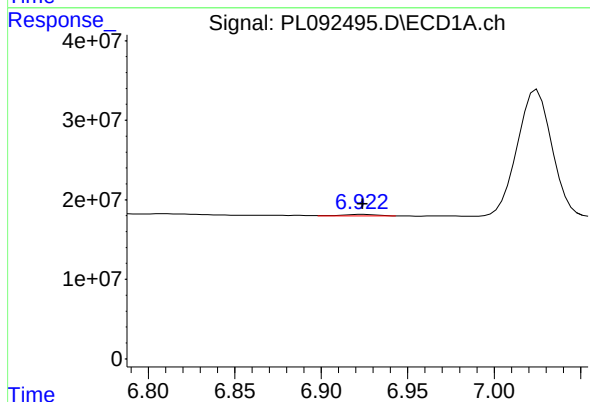
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



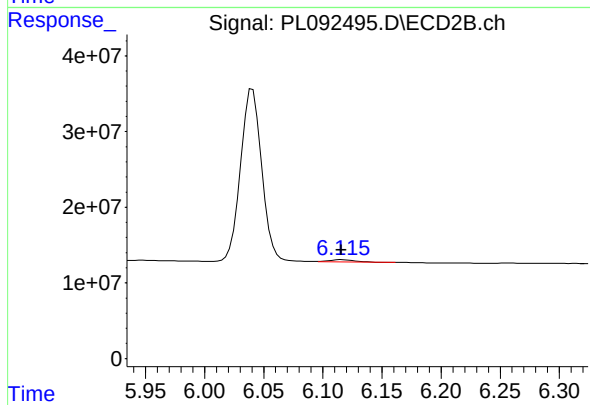
#17 4,4'-DDT

R.T.: 6.041 min
Delta R.T.: 0.000 min
Response: 284970139
Conc: 97.03 ng/ml



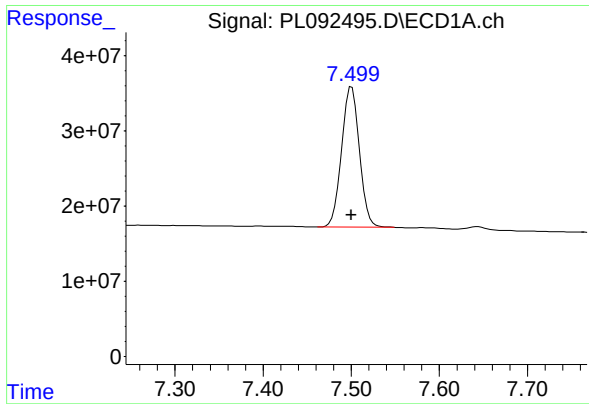
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 2666257
Conc: 1.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 4353504
Conc: 1.77 ng/ml



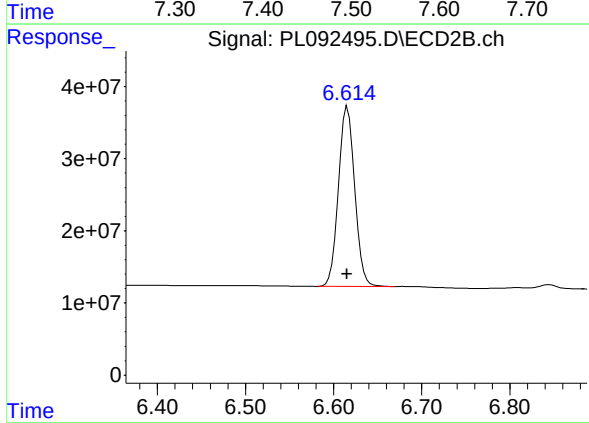
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 262462105
Conc: 222.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

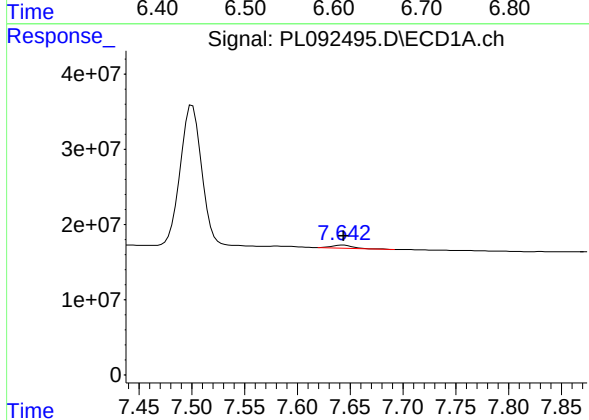
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



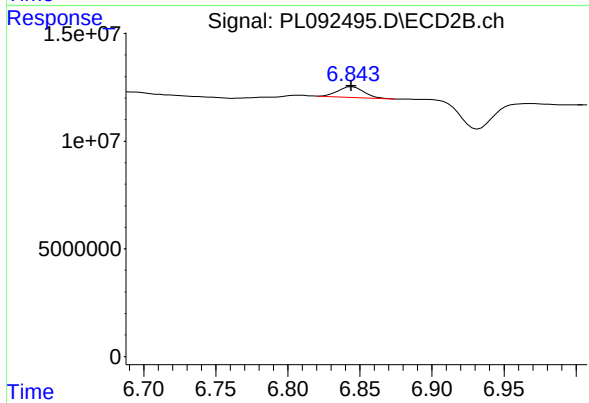
#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 320643913
Conc: 226.15 ng/ml



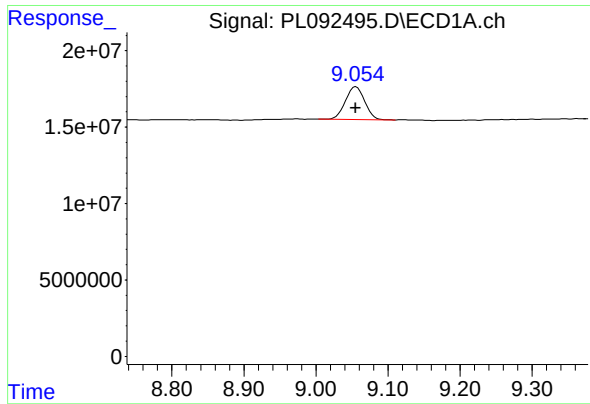
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 5287820
Conc: 1.92 ng/ml



#21 Endrin ketone

R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 6438801
Conc: 2.00 ng/ml m



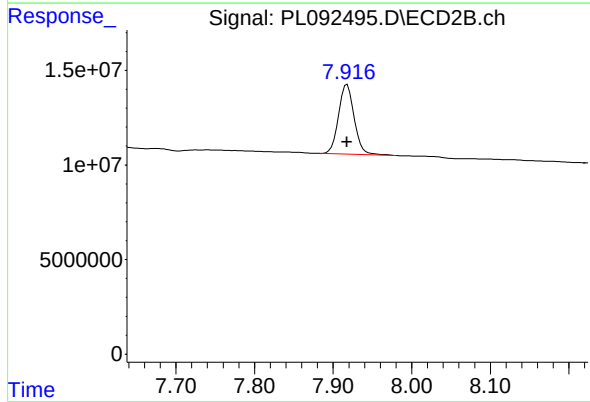
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 40001547
Conc: 19.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 51014840
Conc: 19.36 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D Date Analyzed: 10/25/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:22

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.059	8.960	9.160	19.520	20.000	-2.4
Tetrachloro-m-xylene	3.542	3.490	3.590	18.900	20.000	-5.5
alpha-BHC	3.998	3.950	4.050	8.890	10.000	-11.1
beta-BHC	4.528	4.480	4.580	10.650	10.000	6.5
gamma-BHC (Lindane)	4.330	4.280	4.380	8.960	10.000	-10.4
Endrin	6.576	6.510	6.650	36.770	50.000	-26.5
4,4'-DDT	7.027	6.960	7.100	77.380	100.000	-22.6
Methoxychlor	7.503	7.430	7.570	208.950	250.000	-16.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D Date Analyzed: 10/25/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:22

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.919	7.820	8.020	21.610	20.000	8.1
Tetrachloro-m-xylene	2.781	2.730	2.830	19.830	20.000	-0.9
alpha-BHC	3.283	3.230	3.330	9.010	10.000	-9.9
beta-BHC	3.913	3.860	3.960	10.290	10.000	2.9
gamma-BHC (Lindane)	3.613	3.560	3.660	8.840	10.000	-11.6
Endrin	5.644	5.570	5.710	44.220	50.000	-11.6
4,4'-DDT	6.042	5.970	6.110	99.500	100.000	-0.5
Methoxychlor	6.617	6.550	6.690	246.500	250.000	-1.4

Data File: PEM
PL092638.D Date Acquired 10/25/2024 15:22
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	103818974.8	112369899.3	8550924.46	7.61
Endrin aldehyde	6.93	2600993.867			
Endrin ketone	7.65	5949930.588			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	144825767.4	155876434.3	11050666.9	7.09
Endrin aldehyde #2	6.12	3973831.721			
Endrin ketone #2	6.85	7076835.211			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	190818804.2	194357200.2	3538395.97	1.82
4,4'-DDE	6.20	324189.56			
4,4'-DDD	6.71	3214206.415			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	292230706.4	296215798	3985091.52	1.35
4,4'-DDE #2	5.23	696867.09			
4,4'-DDD #2	5.79	3288224.431			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
 Data File : PL092638.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 15:22
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:10:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.781	50919144	55085841	18.902	19.833
28)	SA Decachlor...	9.059	7.919	39641871	56942606	19.517	21.610
Target Compounds							
2)	A alpha-BHC	3.998	3.283	36628371	38859323	8.888	9.005
3)	MA gamma-BHC...	4.330	3.613	34453173	36398658	8.956	8.839
6)	B beta-BHC	4.528	3.913	16533294	17970903	10.651	10.293
12)	B 4,4'-DDE	6.197	5.230	324190	696867	0.109m	0.200m#
14)	MA Endrin	6.576	5.644	103.8E6	144.8E6	36.766m	44.223
16)	A 4,4'-DDD	6.713	5.792	3214206	3288224	1.330	1.184
17)	MA 4,4'-DDT	7.027	6.042	190.8E6	292.2E6	77.378	99.501 #
18)	B Endrin al...	6.928	6.117	2600994	3973832	1.218	1.618 #
20)	A Methoxychlor	7.503	6.617	246.1E6	349.5E6	208.952	246.503
21)	B Endrin ke...	7.646	6.846	5949931	7076835	2.164	2.203

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 15:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

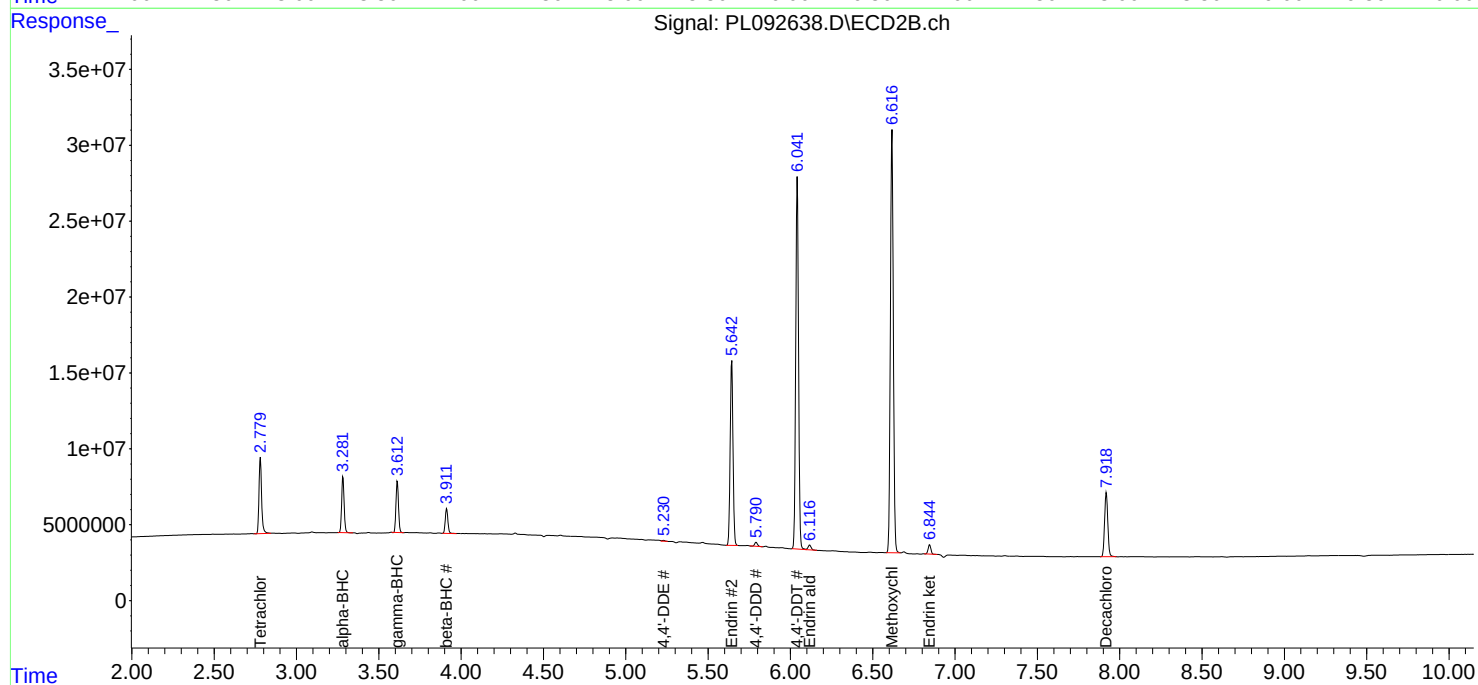
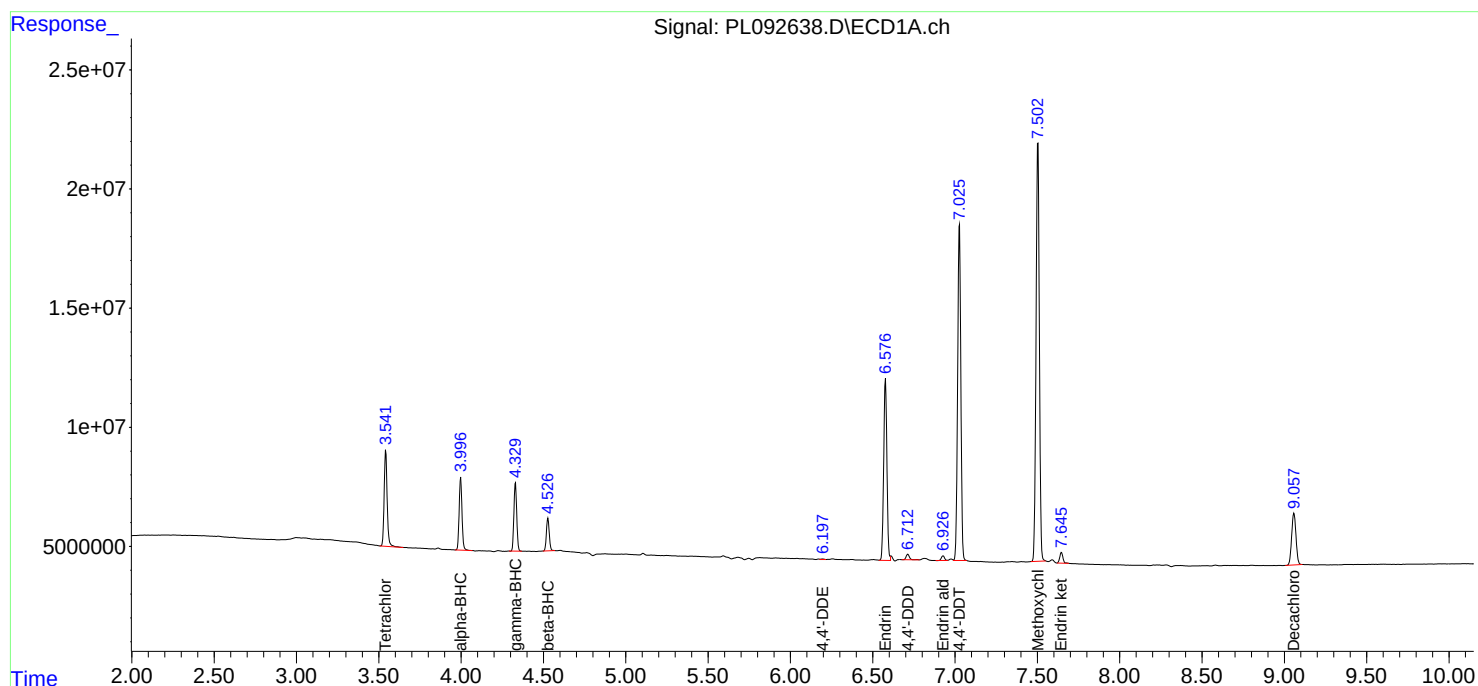
Instrument :
ECD_L
ClientSampleId :
PEM

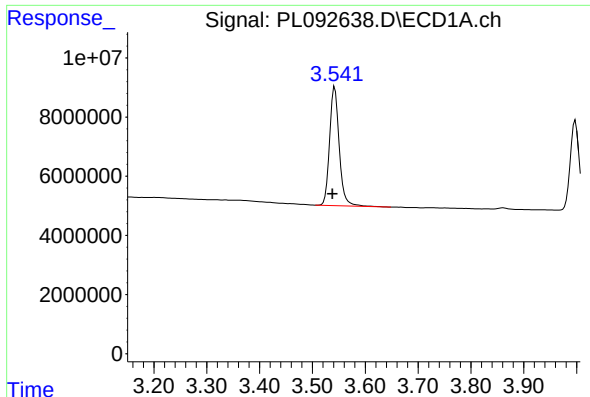
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2024
Supervised By : Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:10:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





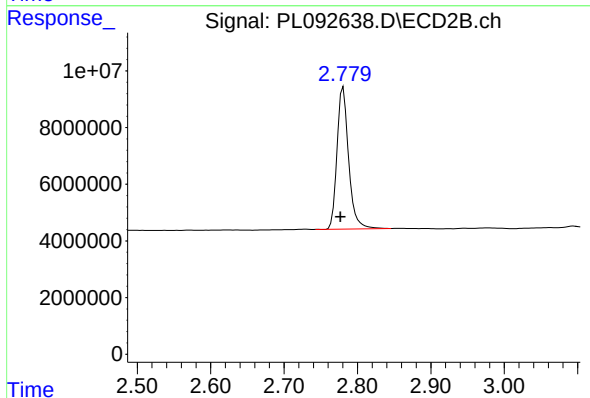
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.004 min
Response: 50919144
Conc: 18.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

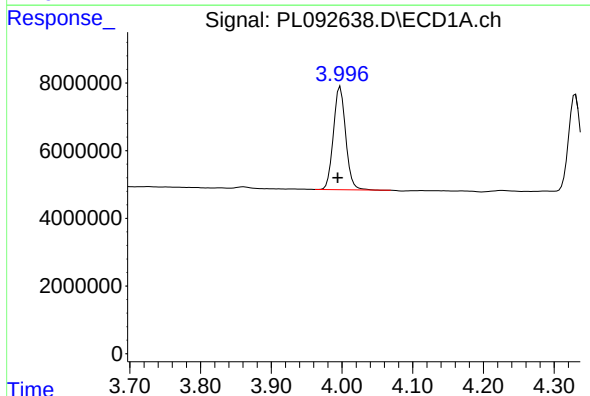
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



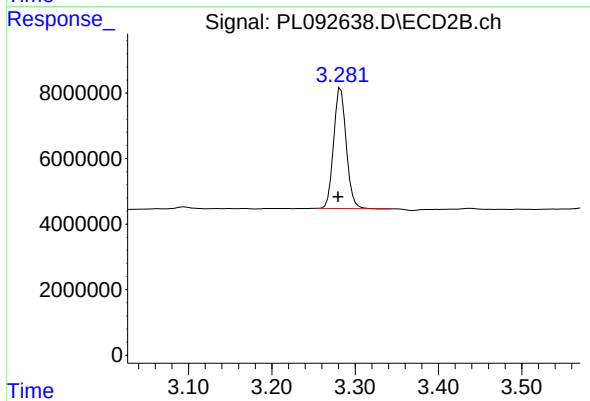
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.004 min
Response: 55085841
Conc: 19.83 ng/ml



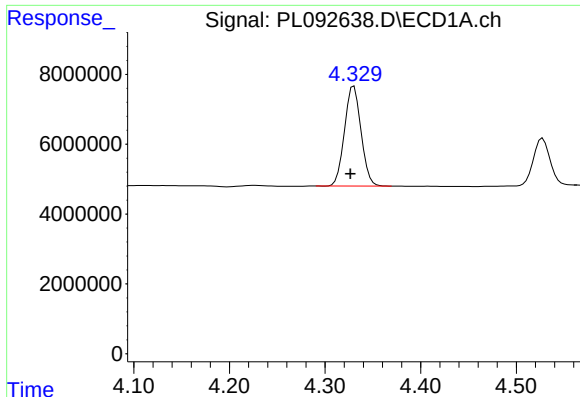
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 36628371
Conc: 8.89 ng/ml



#2 alpha-BHC

R.T.: 3.283 min
Delta R.T.: 0.003 min
Response: 38859323
Conc: 9.01 ng/ml



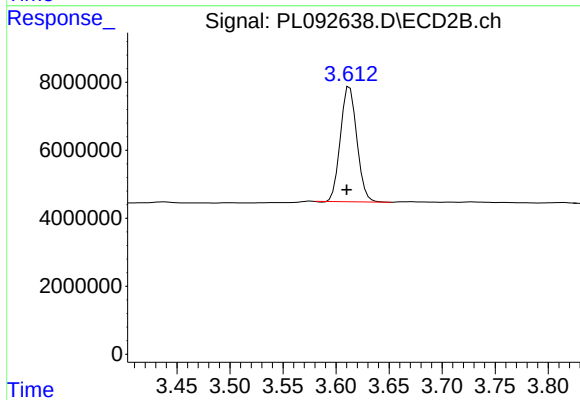
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 34453173
Conc: 8.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

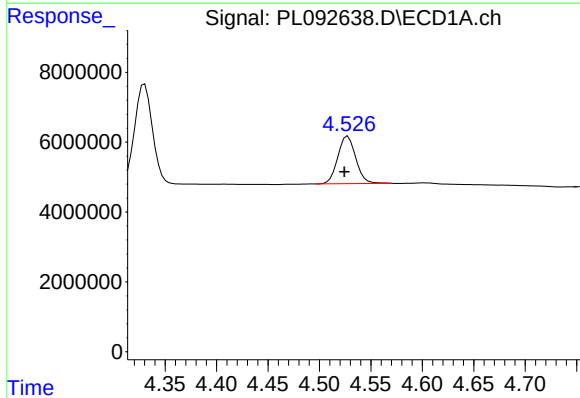
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



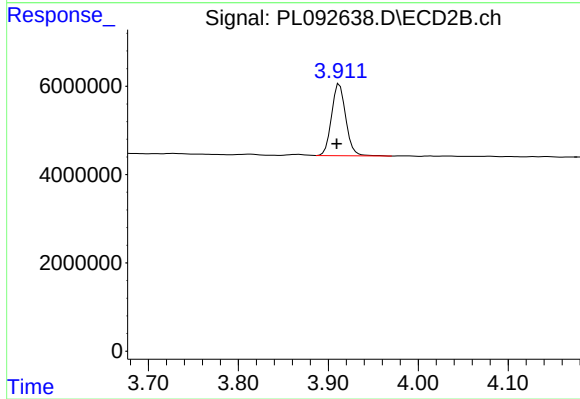
#3 gamma-BHC (Lindane)

R.T.: 3.613 min
Delta R.T.: 0.003 min
Response: 36398658
Conc: 8.84 ng/ml



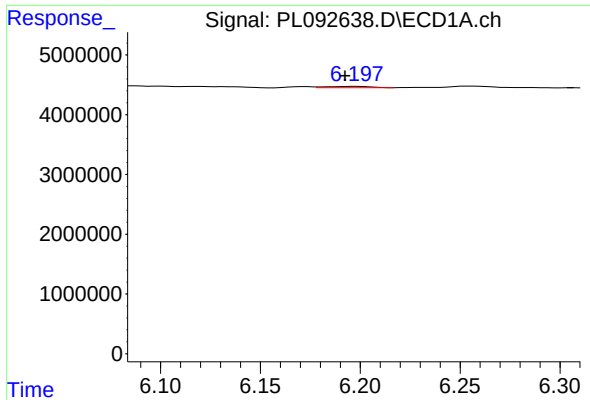
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 16533294
Conc: 10.65 ng/ml



#6 beta-BHC

R.T.: 3.913 min
Delta R.T.: 0.003 min
Response: 17970903
Conc: 10.29 ng/ml



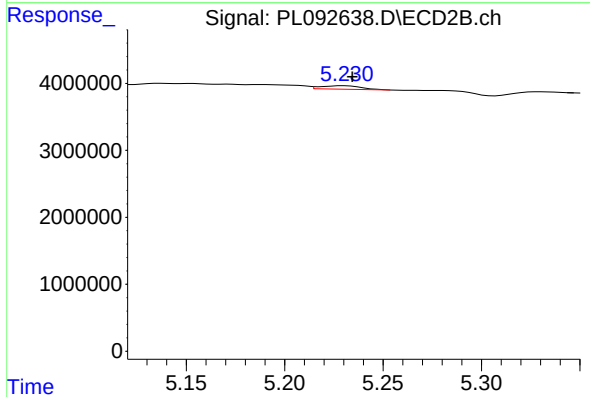
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.005 min
Response: 324190
Conc: 0.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

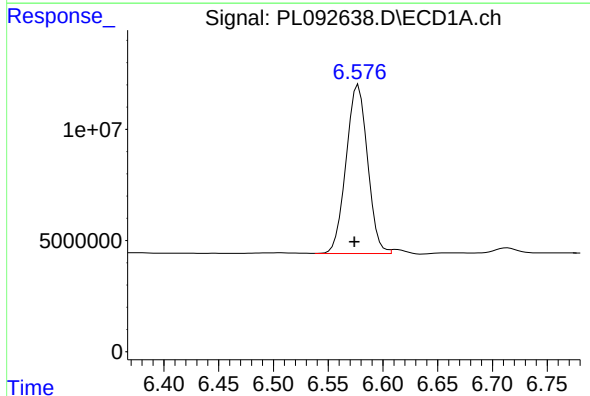
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



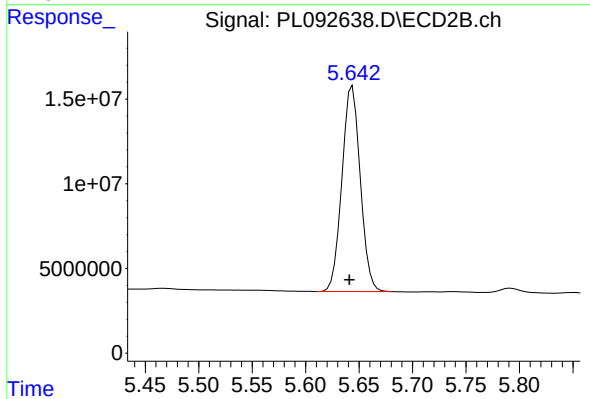
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: -0.004 min
Response: 696867
Conc: 0.20 ng/ml m



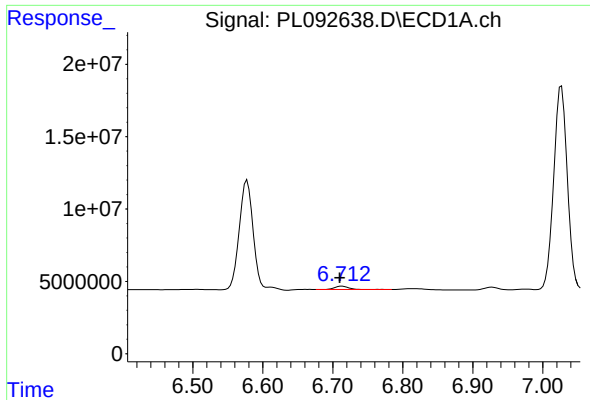
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.002 min
Response: 103818975
Conc: 36.77 ng/ml m



#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 144825767
Conc: 44.22 ng/ml



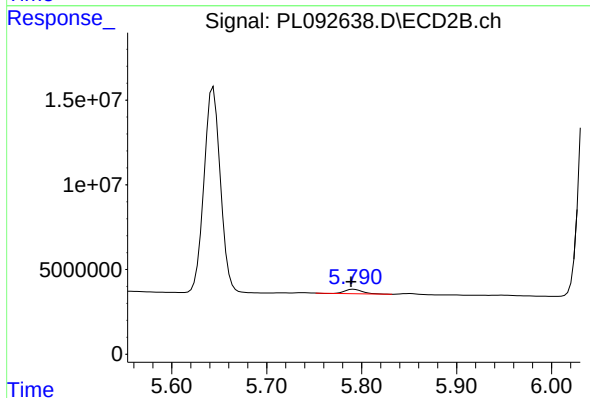
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 3214206
Conc: 1.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

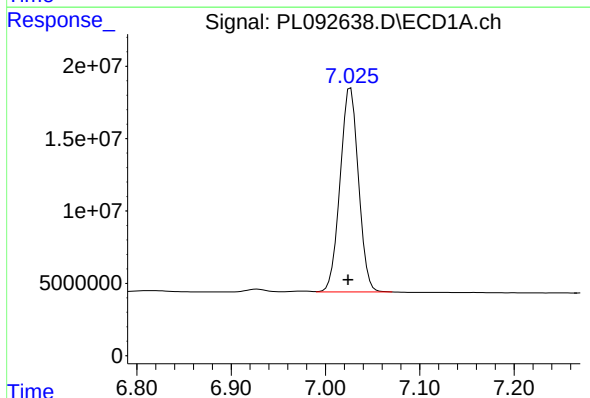
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



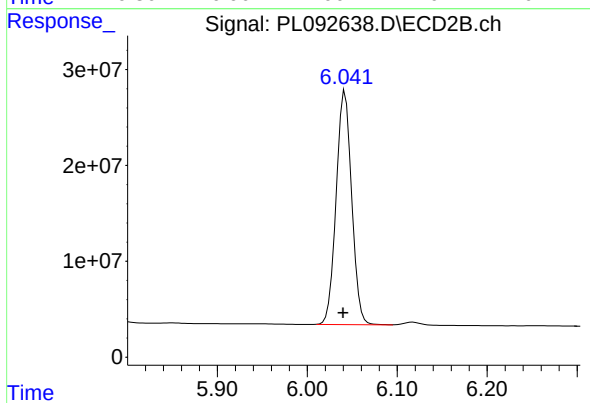
#16 4,4'-DDD

R.T.: 5.792 min
Delta R.T.: 0.003 min
Response: 3288224
Conc: 1.18 ng/ml



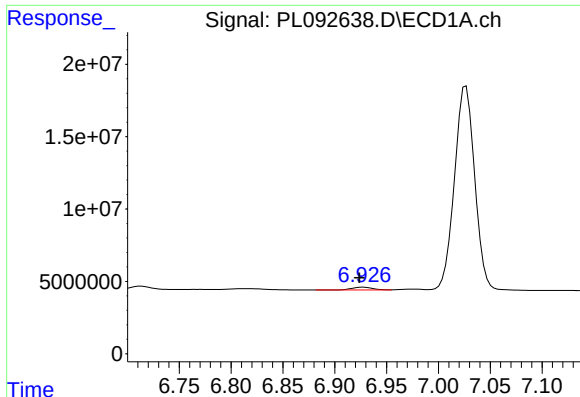
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.003 min
Response: 190818804
Conc: 77.38 ng/ml



#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 292230706
Conc: 99.50 ng/ml



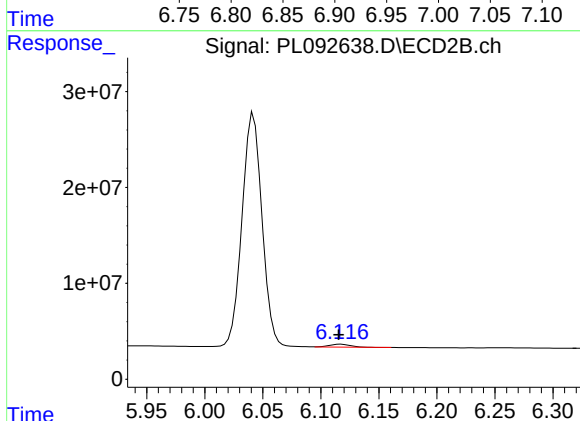
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.004 min
Response: 2600994
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

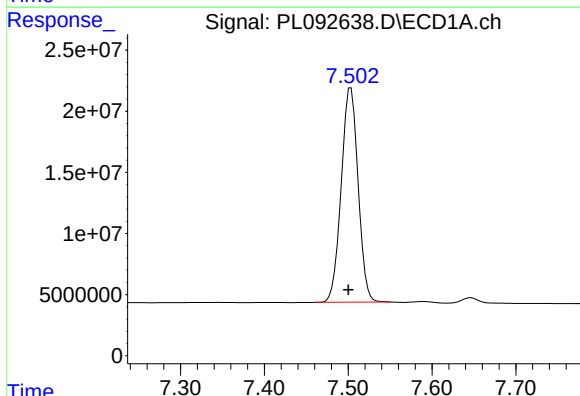
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



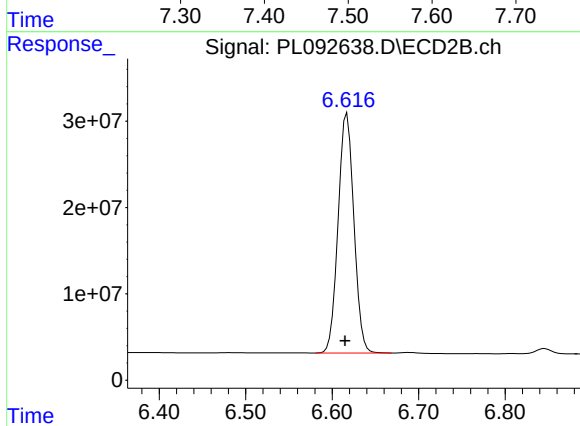
#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 3973832
Conc: 1.62 ng/ml



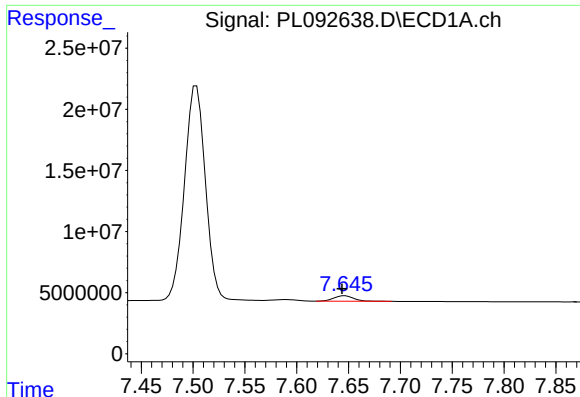
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.003 min
Response: 246084895
Conc: 208.95 ng/ml



#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: 0.002 min
Response: 349509213
Conc: 246.50 ng/ml



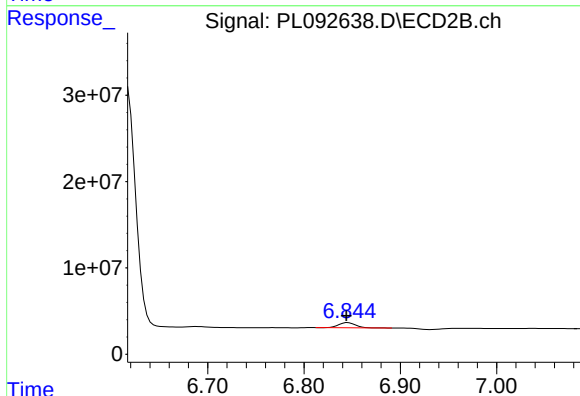
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.003 min
Response: 5949931
Conc: 2.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

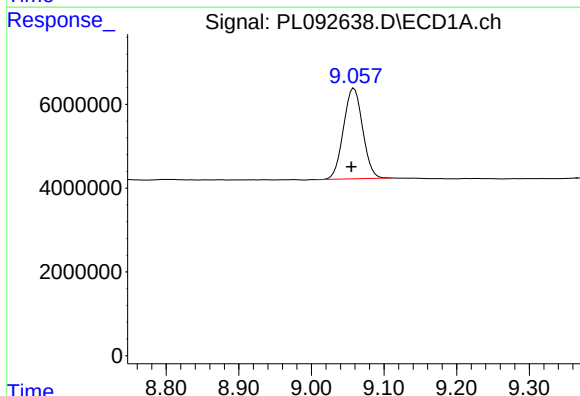
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



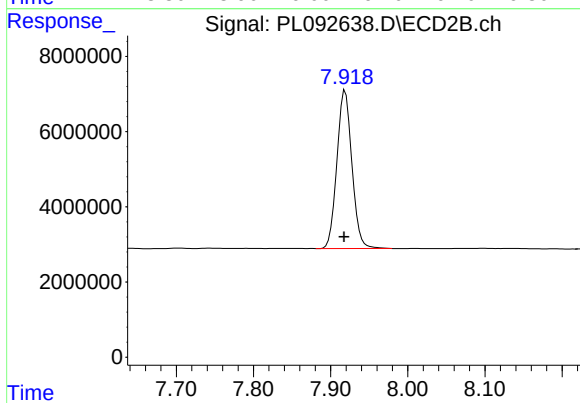
#21 Endrin ketone

R.T.: 6.846 min
Delta R.T.: 0.002 min
Response: 7076835
Conc: 2.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.004 min
Response: 39641871
Conc: 19.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.002 min
Response: 56942606
Conc: 21.61 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

Data File: PEM
Operator: PL092653.D Date Acquired 10/28/2024 14:16
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	93472858.4	100627495.1	7154636.74	7.11
Endrin aldehyde	6.93	2255618.869			
Endrin ketone	7.65	4899017.868			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	127670048.1	136276212.4	8606164.28	6.32
Endrin aldehyde #2	6.12	3697589.438			
Endrin ketone #2	6.84	4908574.846			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	182263263.3	183689930.4	1426667.08	0.78
4,4'-DDE	0.00	0			
4,4'-DDD	6.72	1426667.076			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	263061944.1	264286032.2	1224088.02	0.46
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	1224088.016			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092653.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:16
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/29/2024
 Supervised By : Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:21:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:19:58 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.778	47253047	50346316	19.285	18.502
28) SA Decachlor...	9.059	7.918	38436874	52072459	19.972	19.079
Target Compounds						
2) A alpha-BHC	4.001	3.281	33636067	34444224	9.918	8.632
3) MA gamma-BHC...	4.334	3.611	31492360	32364466	9.662	8.386
6) B beta-BHC	4.531	3.911	14540729	16063325	10.060	9.758
14) MA Endrin	6.580	5.643	93472858	127.7E6	41.057	44.131
16) A 4,4'-DDD	6.718	5.791	1426667	1224088	0.743m	0.492m#
17) MA 4,4'-DDT	7.030	6.042	182.3E6	263.1E6	88.060	98.075
18) B Endrin al...	6.930	6.117	2255619	3697589	1.201	1.603 #
20) A Methoxychlor	7.505	6.616	232.7E6	322.5E6	204.088	225.801
21) B Endrin ke...	7.648	6.845	4899018	4908575	2.022	1.600

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

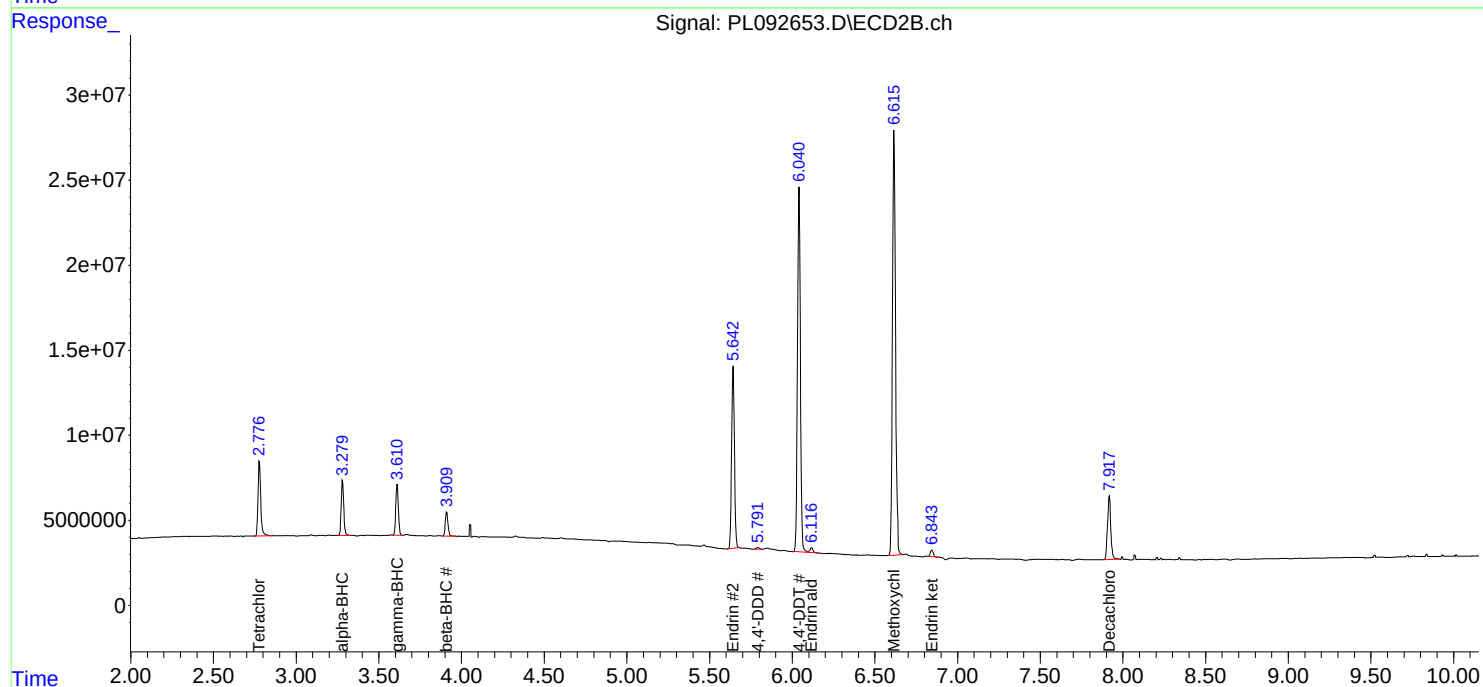
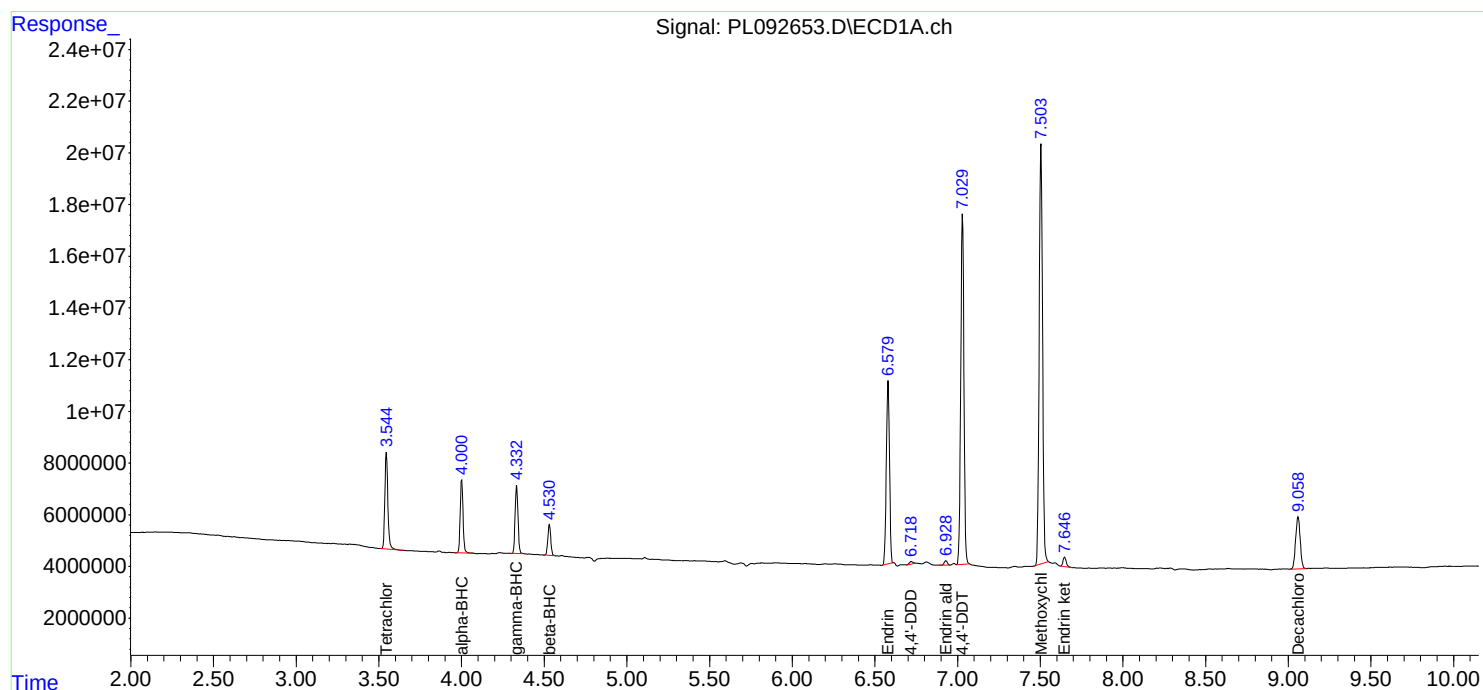
Instrument :
ECD_L
ClientSampleId :
PEM

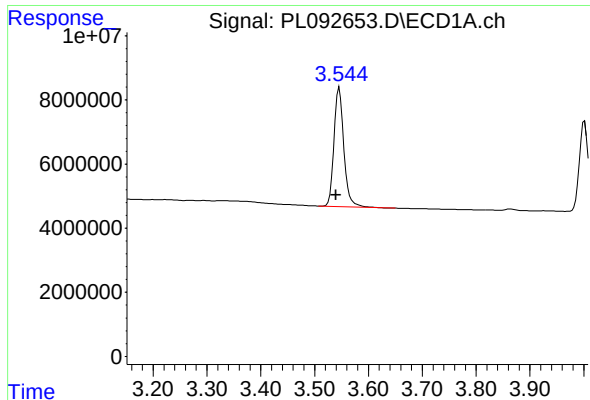
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/29/2024
Supervised By : Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





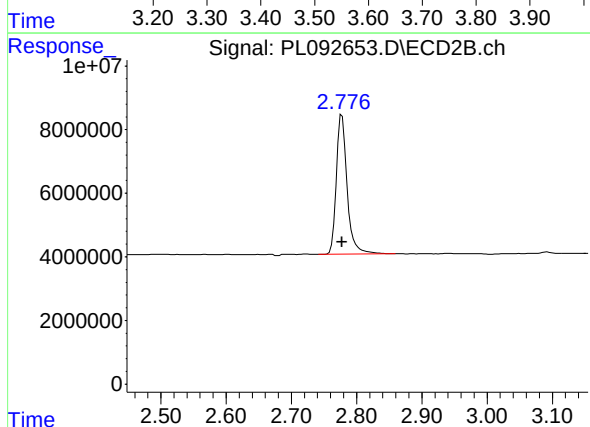
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.006 min
Response: 47253047
Conc: 19.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

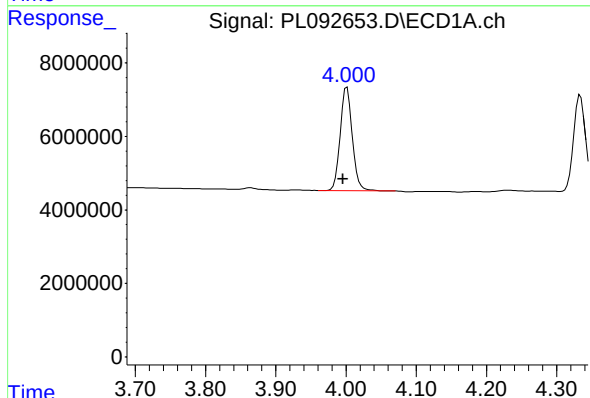
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



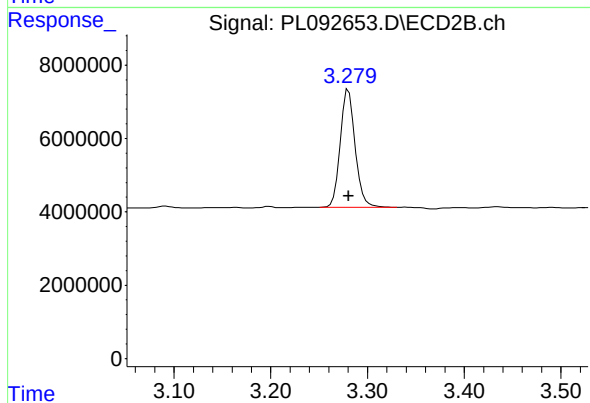
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 50346316
Conc: 18.50 ng/ml



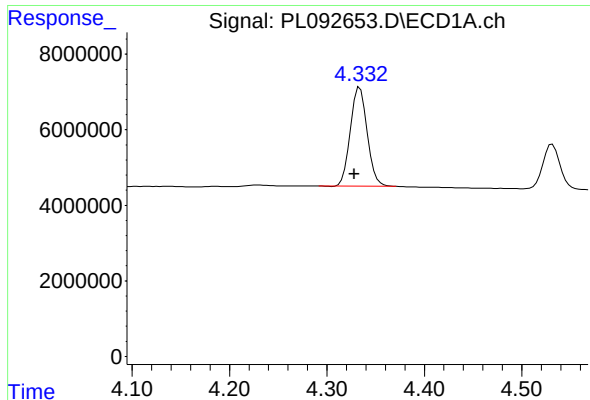
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.006 min
Response: 33636067
Conc: 9.92 ng/ml



#2 alpha-BHC

R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 34444224
Conc: 8.63 ng/ml



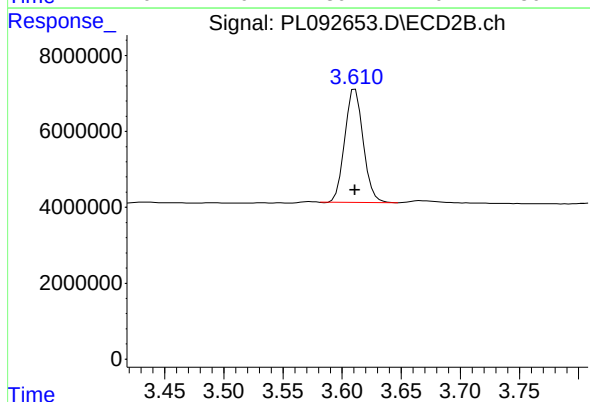
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.006 min
Response: 31492360
Conc: 9.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

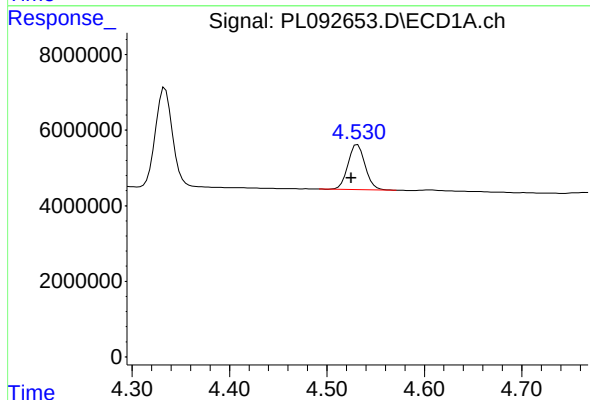
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



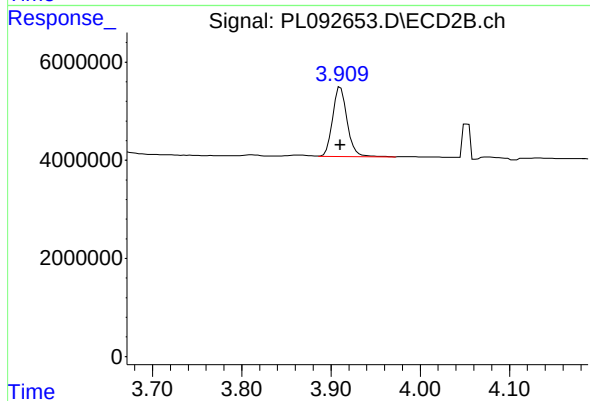
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 32364466
Conc: 8.39 ng/ml



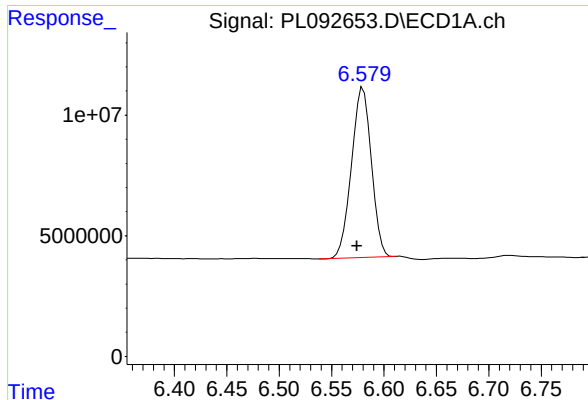
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 14540729
Conc: 10.06 ng/ml



#6 beta-BHC

R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 16063325
Conc: 9.76 ng/ml



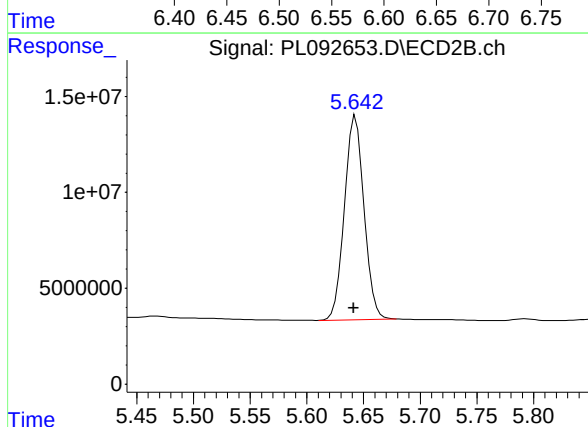
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.006 min
Response: 93472858
Conc: 41.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

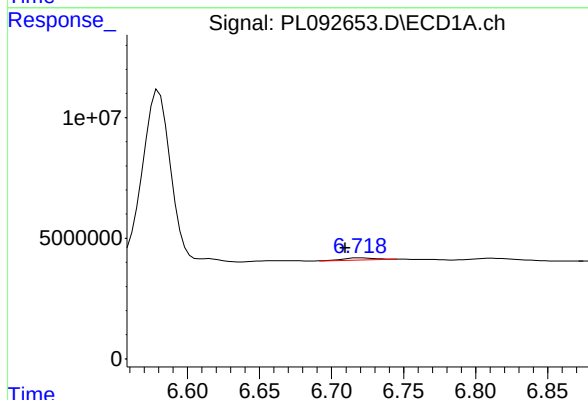
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



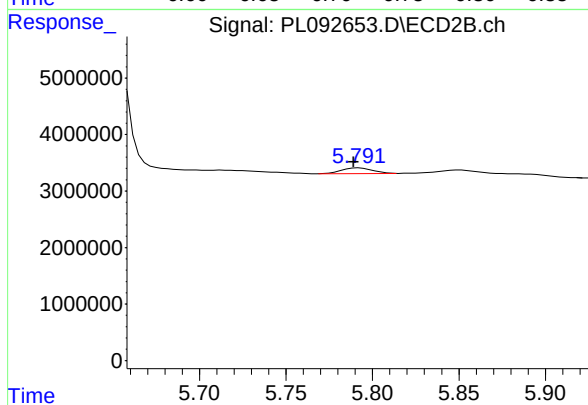
#14 Endrin

R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 127670048
Conc: 44.13 ng/ml



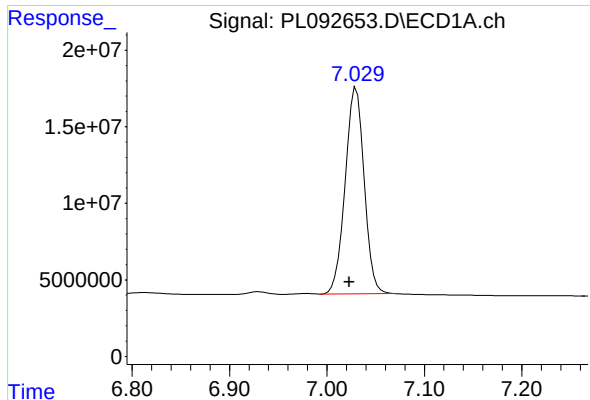
#16 4,4'-DDD

R.T.: 6.718 min
Delta R.T.: 0.008 min
Response: 1426667
Conc: 0.74 ng/ml m



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.001 min
Response: 1224088
Conc: 0.49 ng/ml m



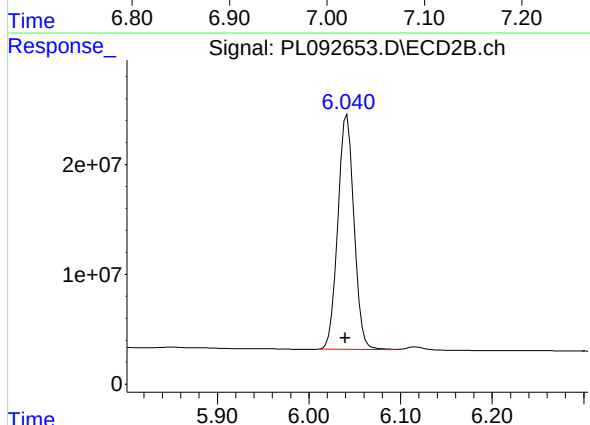
#17 4,4'-DDT

R.T.: 7.030 min
Delta R.T.: 0.007 min
Response: 182263263
Conc: 88.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

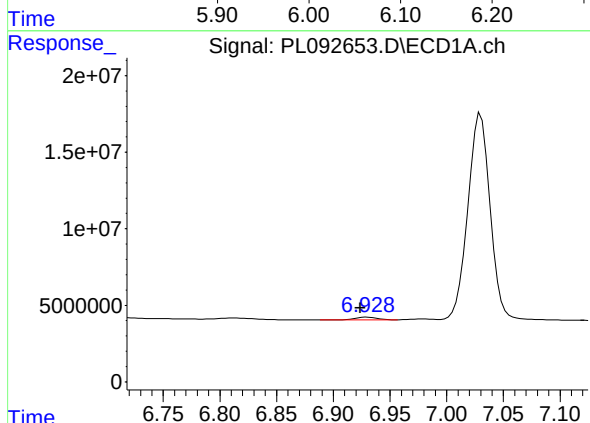
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



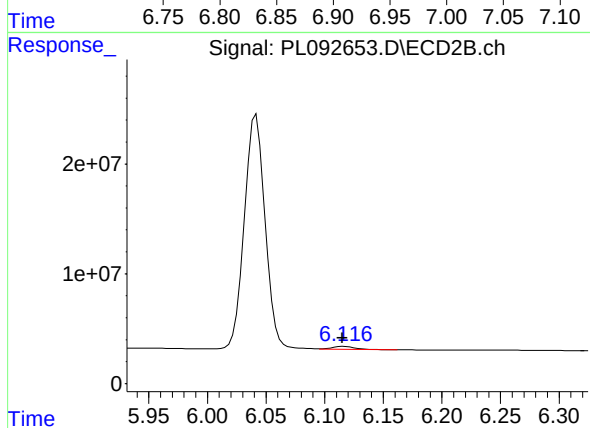
#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 263061944
Conc: 98.07 ng/ml



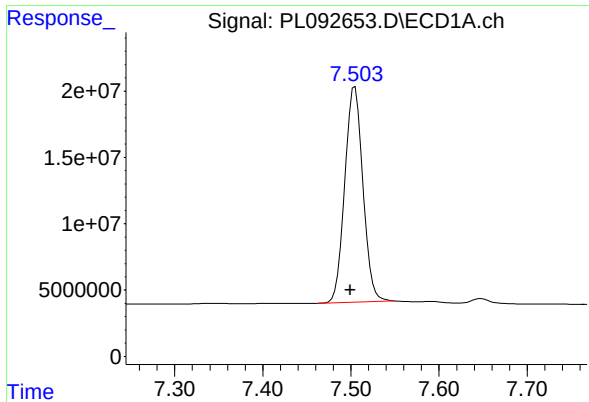
#18 Endrin aldehyde

R.T.: 6.930 min
Delta R.T.: 0.006 min
Response: 2255619
Conc: 1.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 3697589
Conc: 1.60 ng/ml



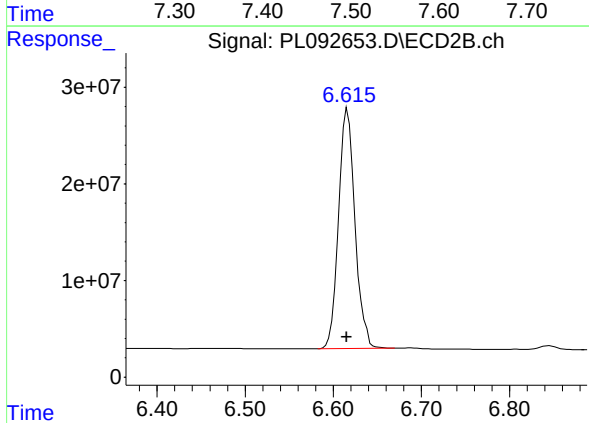
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.005 min
Response: 232660049
Conc: 204.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

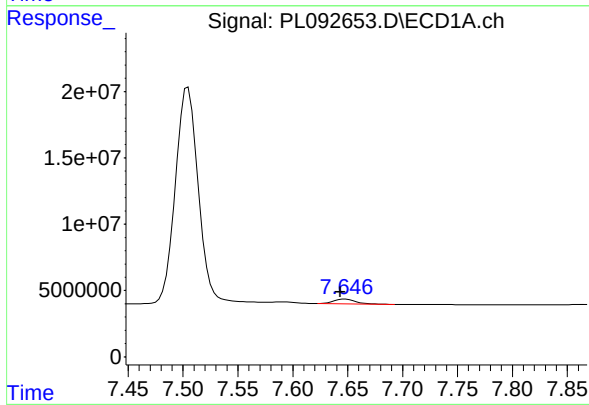
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



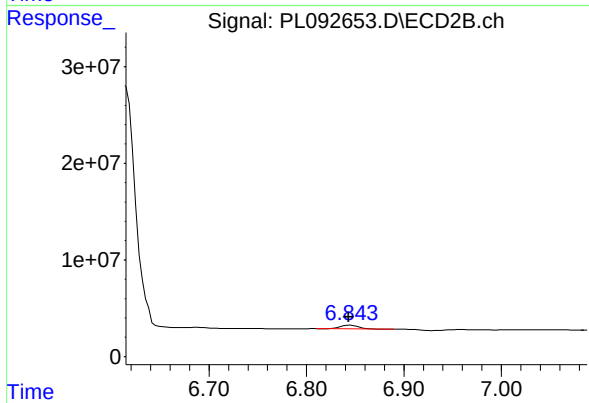
#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 322451147
Conc: 225.80 ng/ml



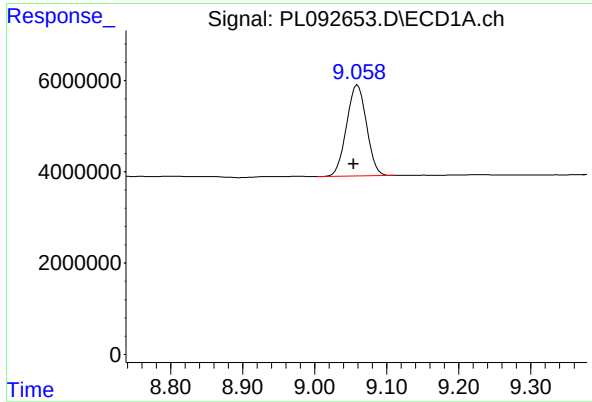
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.005 min
Response: 4899018
Conc: 2.02 ng/ml



#21 Endrin ketone

R.T.: 6.845 min
Delta R.T.: 0.001 min
Response: 4908575
Conc: 1.60 ng/ml



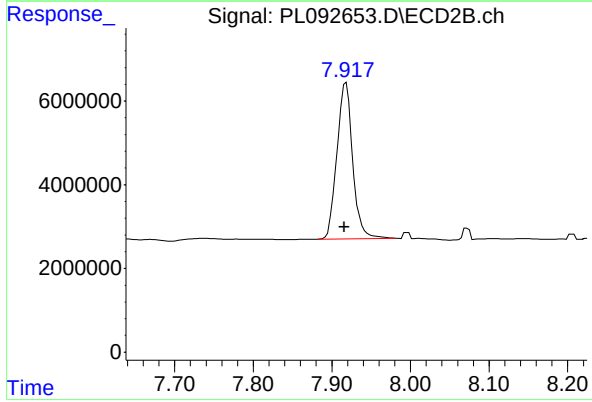
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 38436874
Conc: 19.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 52072459
Conc: 19.08 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D Date Analyzed: 11/04/2024

Lab Sample No.(PEM): PEM Time Analyzed: 08:48

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.056	8.960	9.160	20.030	20.000	0.2
Tetrachloro-m-xylene	3.542	3.490	3.590	20.980	20.000	4.9
alpha-BHC	3.997	3.950	4.050	10.770	10.000	7.7
beta-BHC	4.527	4.480	4.580	11.200	10.000	12.0
gamma-BHC (Lindane)	4.330	4.280	4.380	10.570	10.000	5.7
Endrin	6.576	6.510	6.650	41.750	50.000	-16.5
4,4'-DDT	7.026	6.960	7.100	86.870	100.000	-13.1
Methoxychlor	7.502	7.430	7.570	198.210	250.000	-20.7

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D Date Analyzed: 11/04/2024

Lab Sample No.(PEM): PEM Time Analyzed: 08:48

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.915	7.810	8.020	19.240	20.000	-3.8
Tetrachloro-m-xylene	2.779	2.730	2.830	20.900	20.000	4.5
alpha-BHC	3.281	3.230	3.330	9.890	10.000	-1.1
beta-BHC	3.911	3.860	3.960	11.070	10.000	10.7
gamma-BHC (Lindane)	3.611	3.560	3.660	9.580	10.000	-4.2
Endrin	5.642	5.570	5.710	49.110	50.000	-1.8
4,4'-DDT	6.040	5.970	6.110	104.550	100.000	4.6
Methoxychlor	6.615	6.540	6.690	217.570	250.000	-13.0

Data File: PEM
Operator: PL092816.D Date Acquired 11/4/2024 8:48
AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	95052200.51	103693744.2	8641543.71	8.33
Endrin aldehyde	6.93	2816739.644			
Endrin ketone	7.64	5824804.07			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	142077227.9	151991139.6	9913911.77	6.52
Endrin aldehyde #2	6.12	3494281.884			
Endrin ketone #2	6.84	6419629.882			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	179801616.2	183209720.5	3408104.27	1.86
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	3408104.27			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	280419225.8	283971745.3	3552519.58	1.25
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	3552519.583			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
 Data File : PL092816.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2024 08:48
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 11/05/2024
 Supervised By : Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 03:09:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.779	51416795	56870331	20.984	20.899
28) SA Decachlor...	9.056	7.915	38550081	52509405	20.031	19.240
Target Compounds						
2) A alpha-BHC	3.997	3.281	36543189	39475580	10.775	9.893
3) MA gamma-BHC...	4.330	3.611	34465011	36977418	10.574	9.581
6) B beta-BHC	4.527	3.911	16185023	18226699	11.197	11.072
14) MA Endrin	6.576	5.642	95052201	142.1E6	41.751	49.111
16) A 4,4'-DDD	6.712	5.789	3408104	3552520	1.775	1.427m
17) MA 4,4'-DDT	7.026	6.040	179.8E6	280.4E6	86.871	104.546
18) B Endrin al...	6.926	6.116	2816740	3494282	1.500	1.514
20) A Methoxychlor	7.502	6.615	226.0E6	310.7E6	198.214	217.571
21) B Endrin ke...	7.645	6.843	5824804	6419630	2.404	2.092

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 08:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

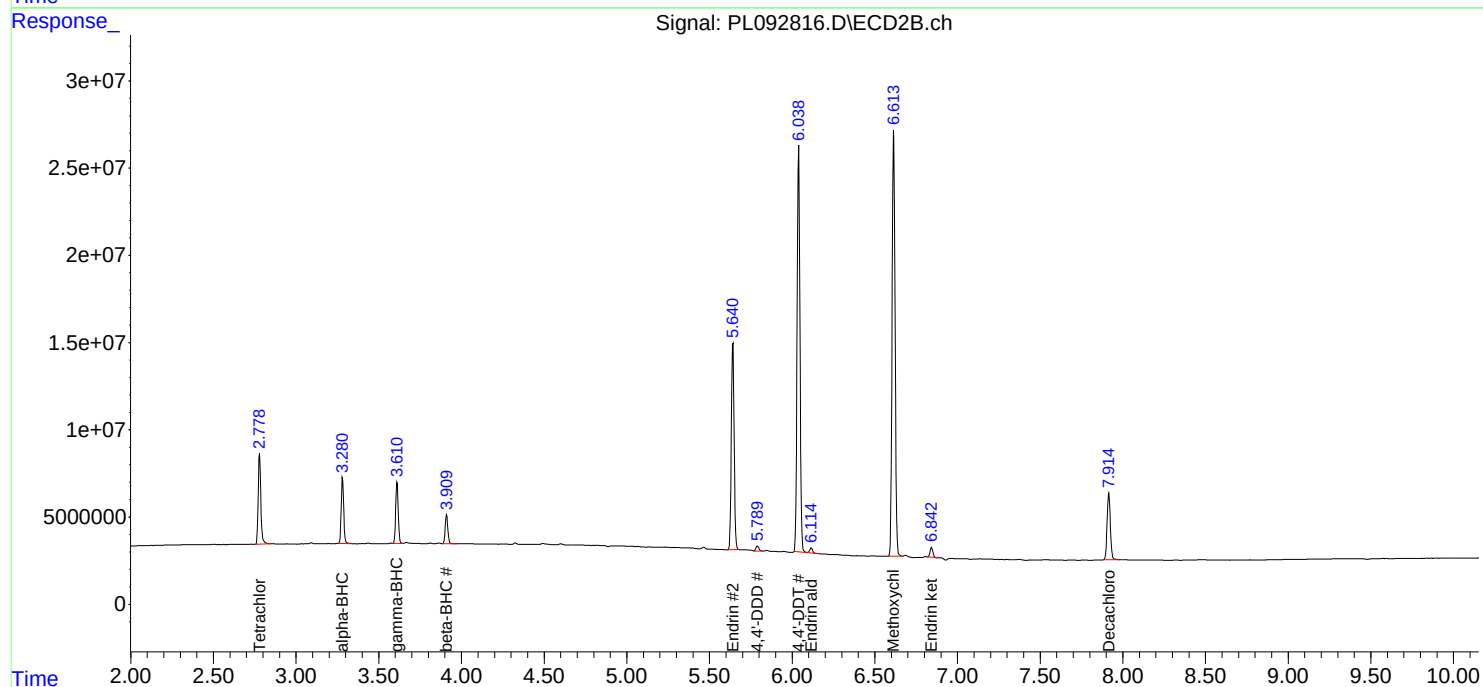
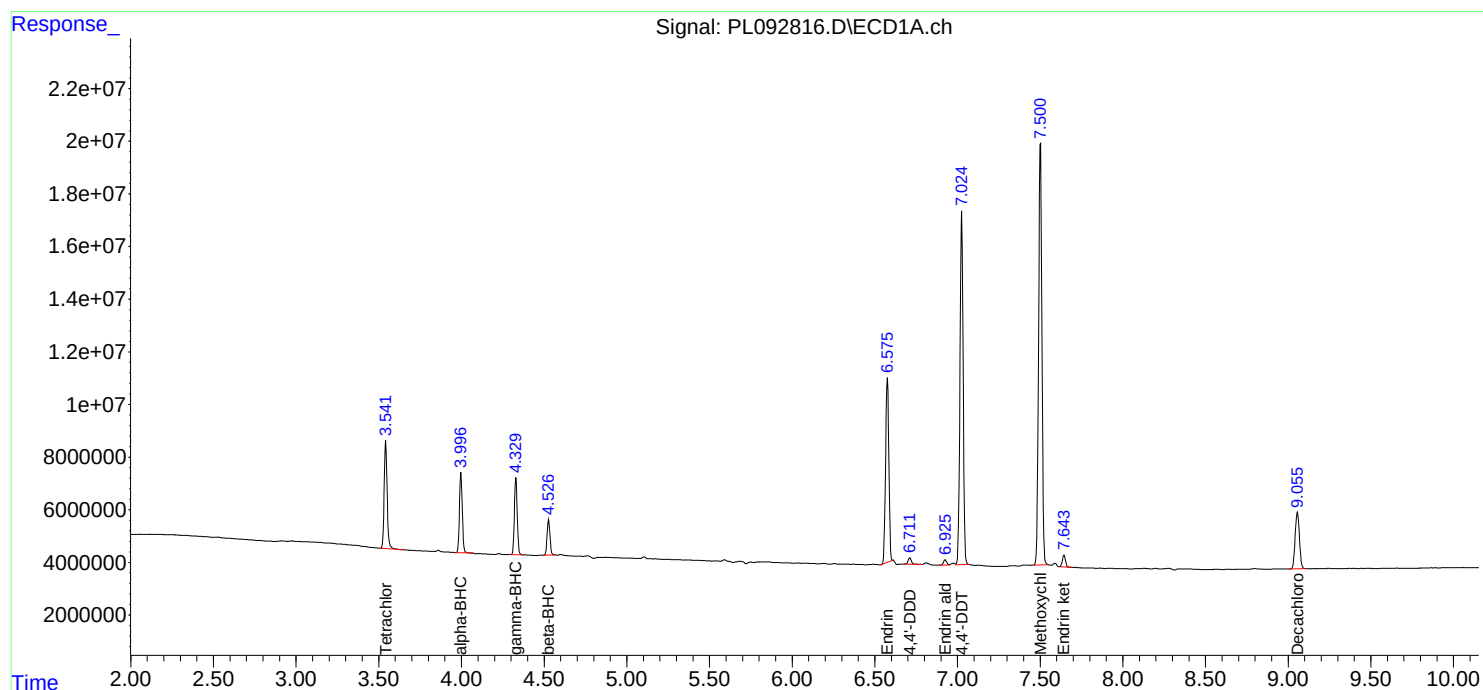
Instrument :
ECD_L
ClientSampleId :
PEM

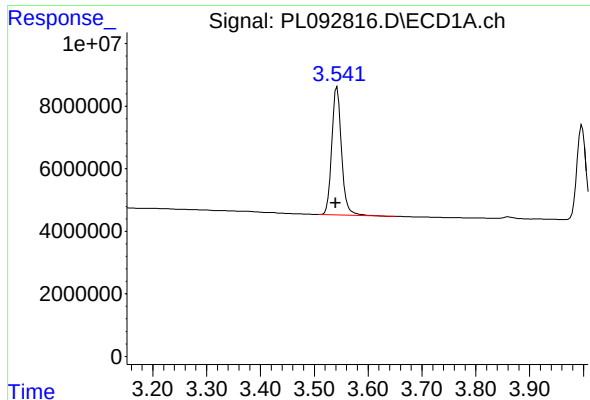
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/05/2024
Supervised By : Ankita Jodhani 11/05/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:09:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





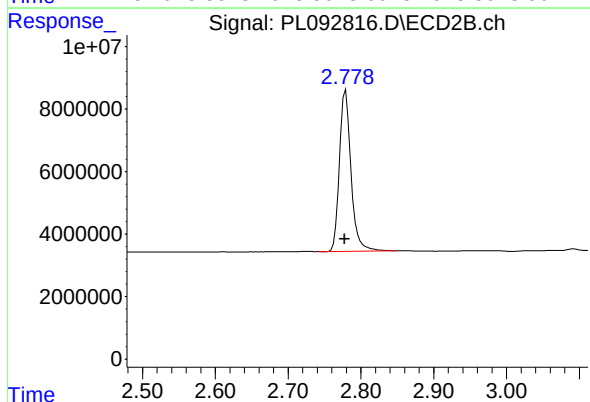
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 51416795
Conc: 20.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

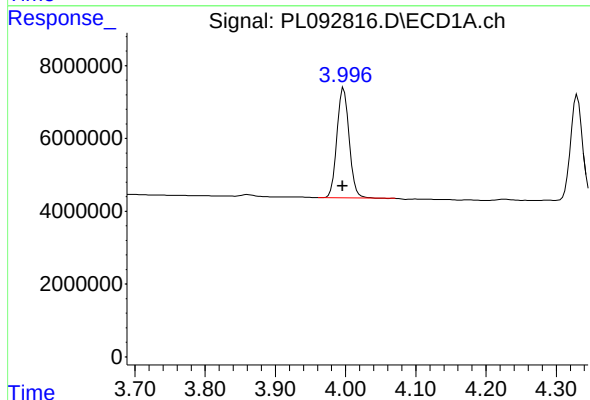
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



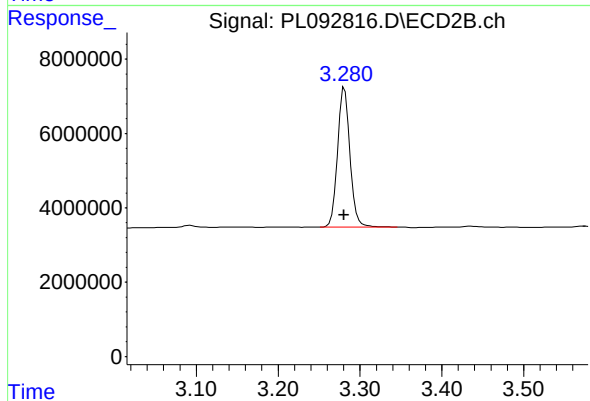
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 56870331
Conc: 20.90 ng/ml



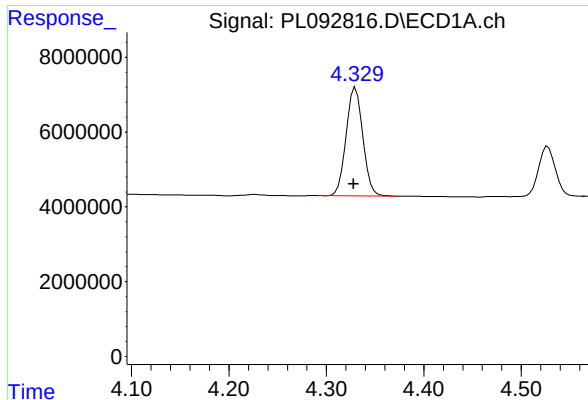
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 36543189
Conc: 10.77 ng/ml



#2 alpha-BHC

R.T.: 3.281 min
Delta R.T.: 0.000 min
Response: 39475580
Conc: 9.89 ng/ml



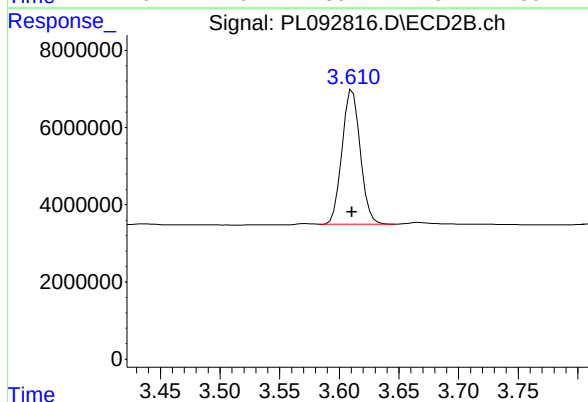
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 34465011
Conc: 10.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

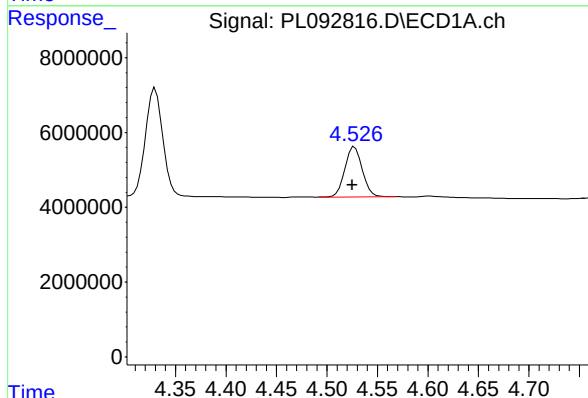
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



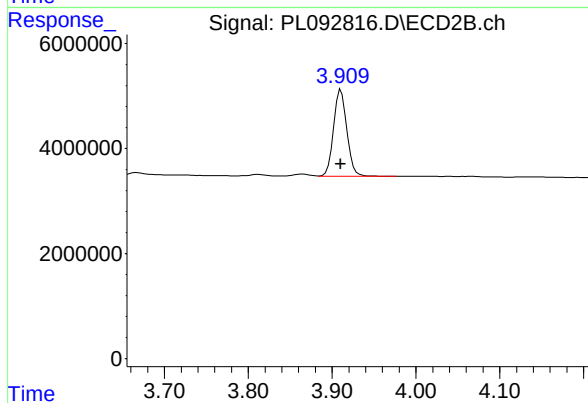
#3 gamma-BHC (Lindane)

R.T.: 3.611 min
Delta R.T.: 0.000 min
Response: 36977418
Conc: 9.58 ng/ml



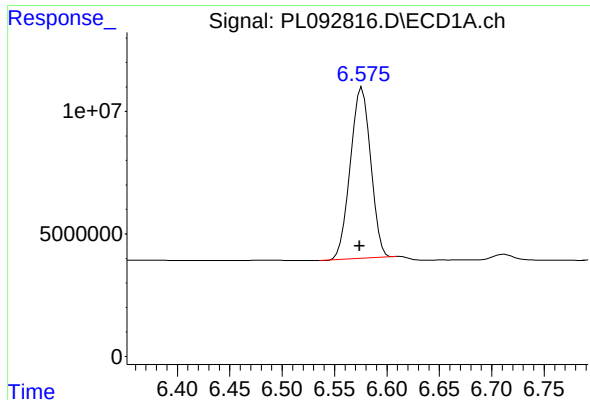
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 16185023
Conc: 11.20 ng/ml



#6 beta-BHC

R.T.: 3.911 min
Delta R.T.: 0.000 min
Response: 18226699
Conc: 11.07 ng/ml



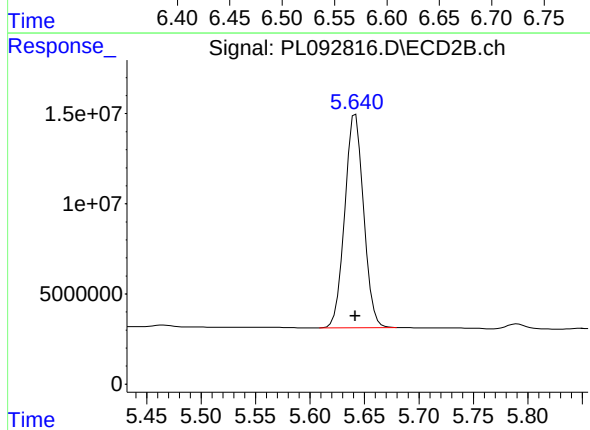
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.002 min
Response: 95052201
Conc: 41.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

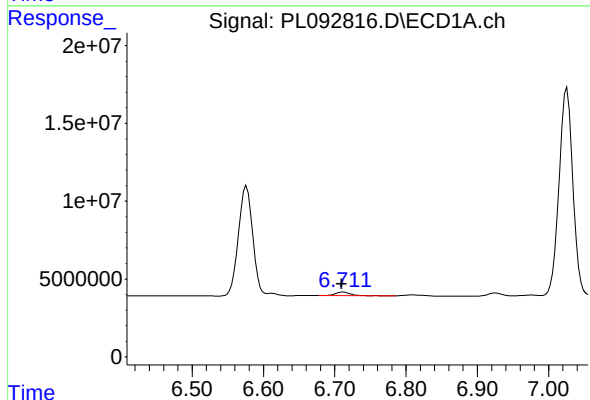
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



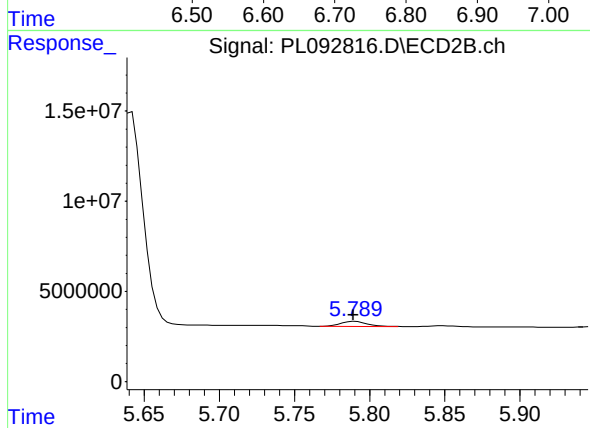
#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 142077228
Conc: 49.11 ng/ml



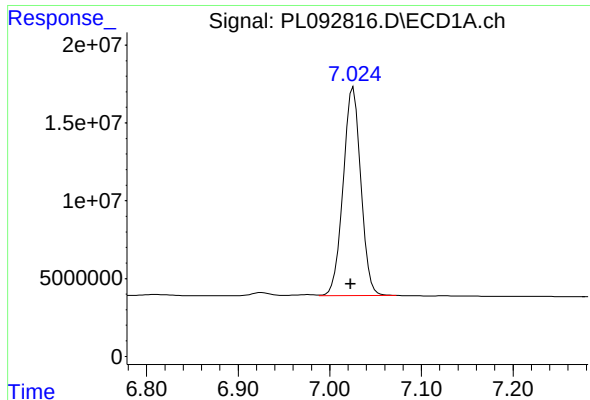
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.002 min
Response: 3408104
Conc: 1.78 ng/ml



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 3552520
Conc: 1.43 ng/ml m



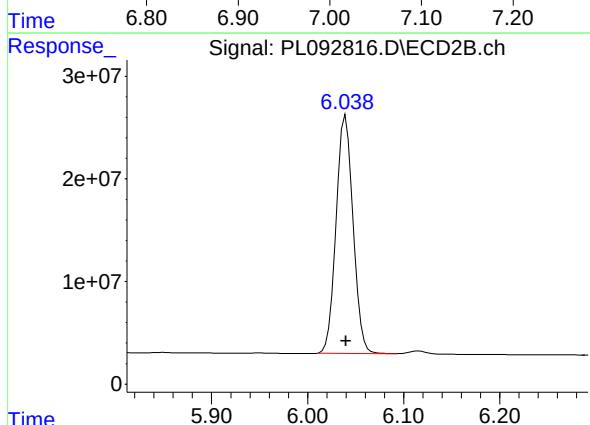
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 179801616
Conc: 86.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

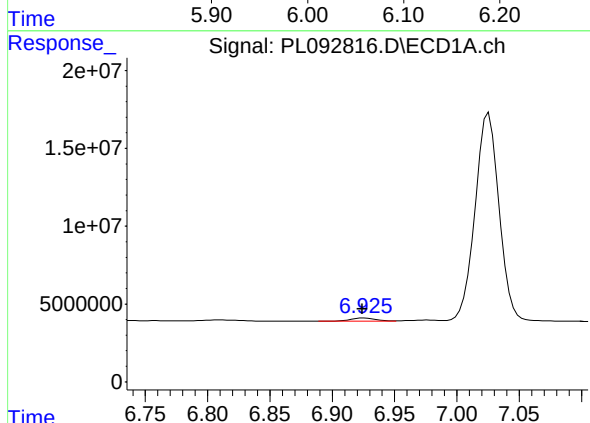
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



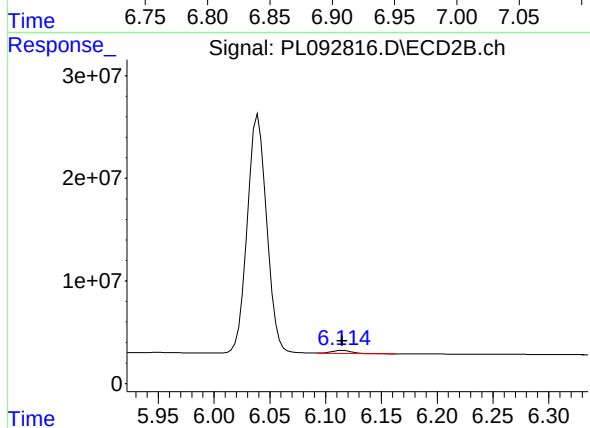
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 280419226
Conc: 104.55 ng/ml



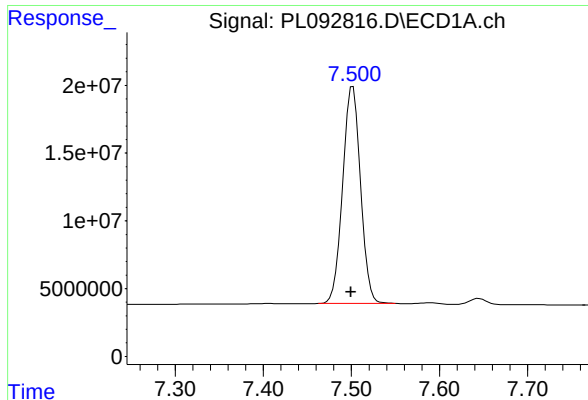
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.002 min
Response: 2816740
Conc: 1.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 3494282
Conc: 1.51 ng/ml



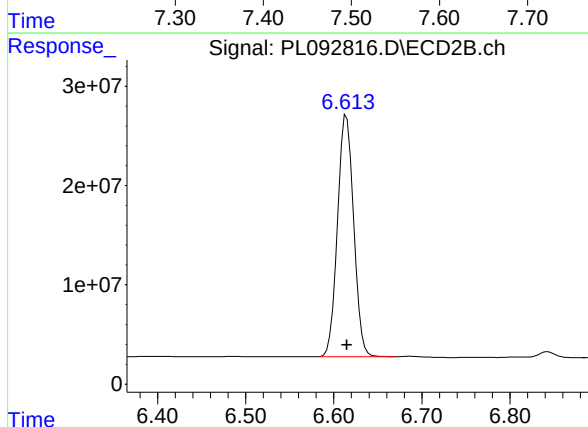
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.002 min
Response: 225963470
Conc: 198.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

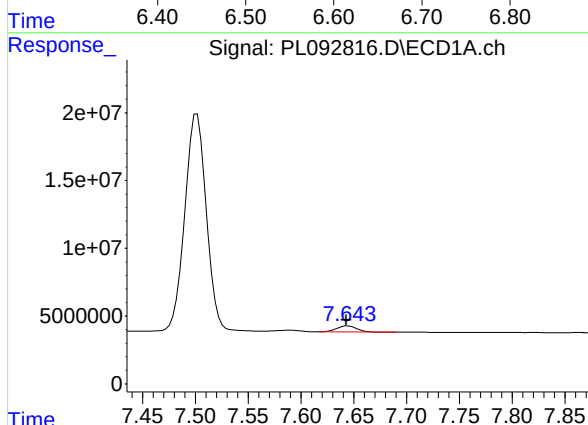
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



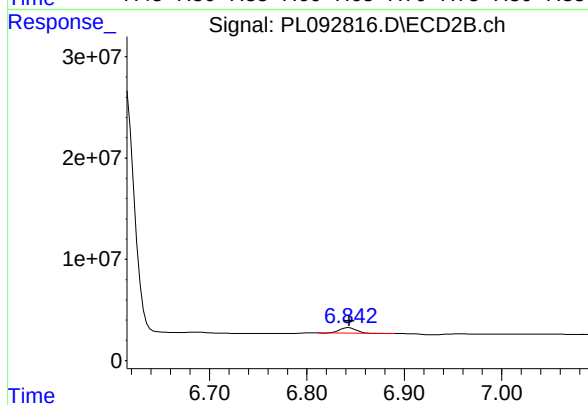
#20 Methoxychlor

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 310698484
Conc: 217.57 ng/ml



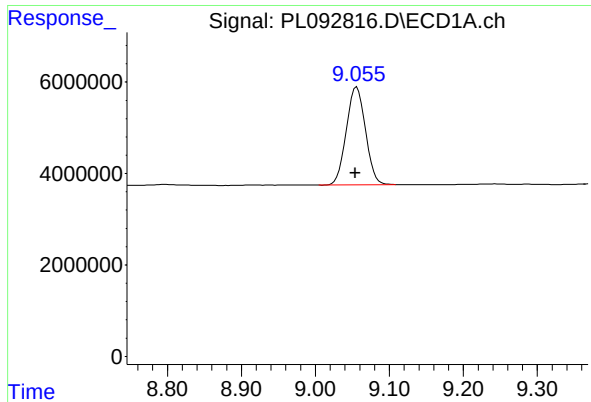
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.002 min
Response: 5824804
Conc: 2.40 ng/ml



#21 Endrin ketone

R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 6419630
Conc: 2.09 ng/ml



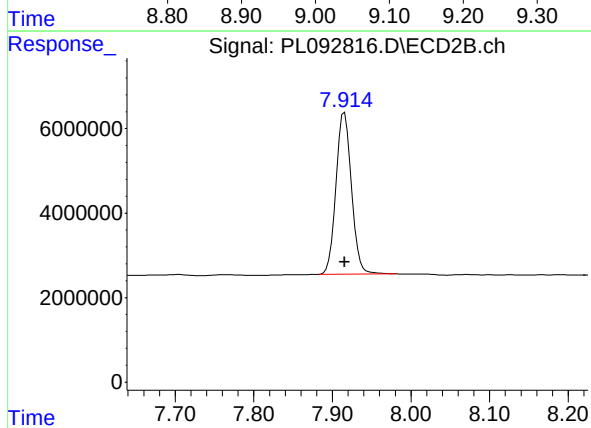
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 38550081
Conc: 20.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/05/2024
Supervised By :Ankita Jodhani 11/05/2024



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 52509405
Conc: 19.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092496.D
Acq On : 21 Oct 2024 12:46
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\PL102124.M
Title : GC Extractables
Last Update : Mon Oct 21 17:09:23 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.539	5.940	100.00%
5.940	6.069	100.00%
6.069	6.192	100.00%
6.192	6.345	100.00%
6.345	7.158	100.00%
7.158	7.501	100.00%
7.501	7.643	100.00%
7.643	9.055	100.00%

Signal #2

2.777	4.982	100.00%
4.982	5.101	100.00%
5.101	5.235	100.00%
5.235	5.366	100.00%
5.366	6.339	100.00%
6.339	6.616	100.00%
6.616	6.845	100.00%
6.845	7.918	100.00%

PL102124.M Mon Dec 02 03:38:59 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
 Data File : PL092496.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 12:46
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:13:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	53638818	53579121	19.912	19.291
28) SA Decachlor...	9.055	7.918	41390924	52208486	20.378	19.814
Target Compounds						
9) A Endosulfan I	6.069	5.101	31820379	30772558	10.539	9.668
10) B gamma-Chl...	5.940	4.982	36257538	40547552	10.997	11.021
12) B 4,4'-DDE	6.192	5.235	61294938	67869226	20.666	19.518
13) MA Dieldrin	6.345	5.366	65159194	69573461	20.037	19.039
19) B Endosulfa...	7.158	6.339	39910030	93498516	15.796	31.627 #
20) A Methoxychlor	7.501	6.616	113.8E6	134.5E6	96.619	94.832
21) B Endrin ke...	7.643	6.845	55451204	61782563	20.165	19.234

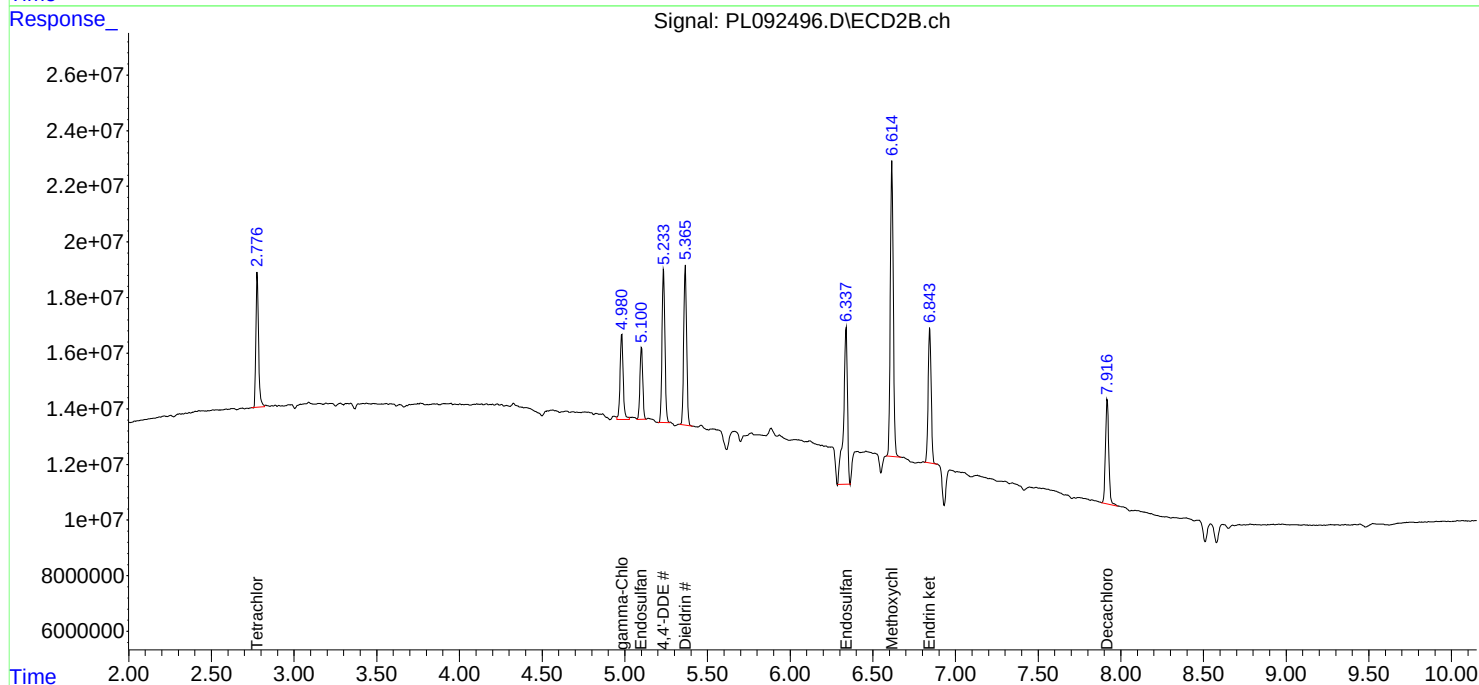
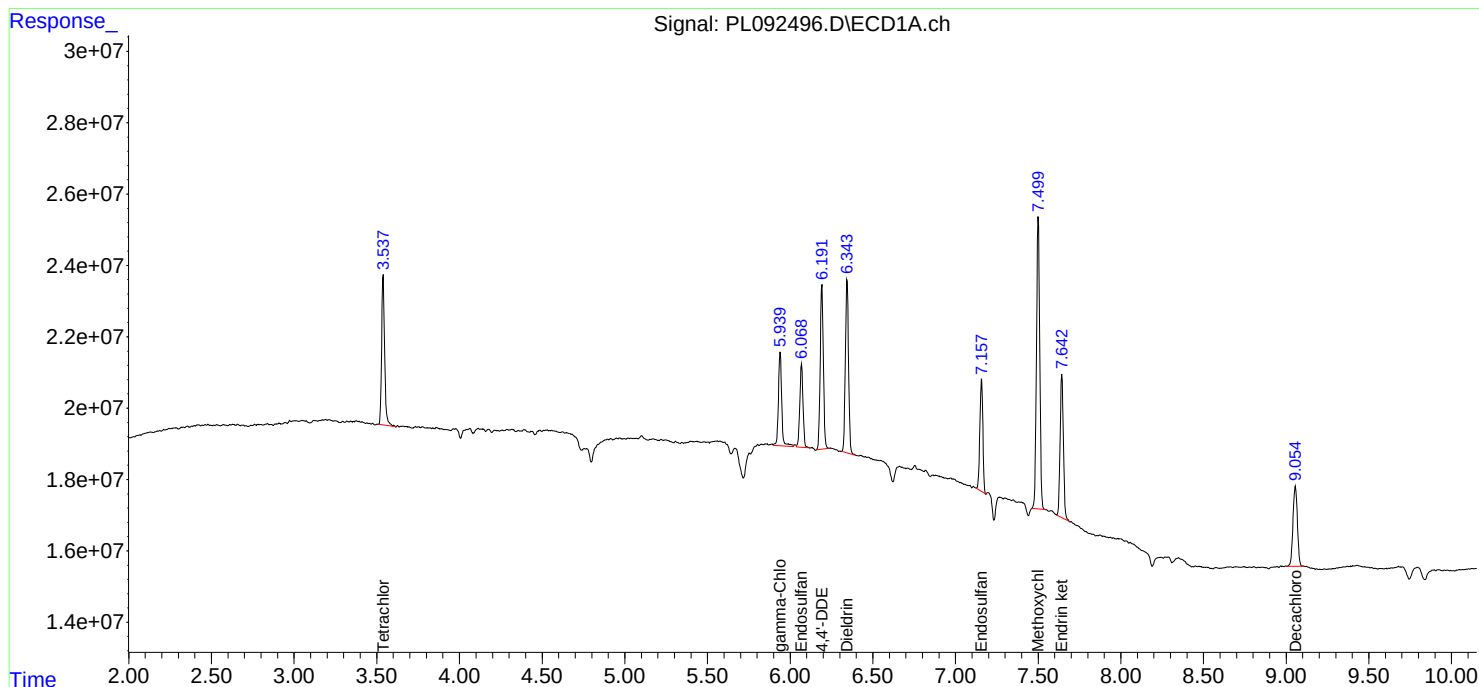
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

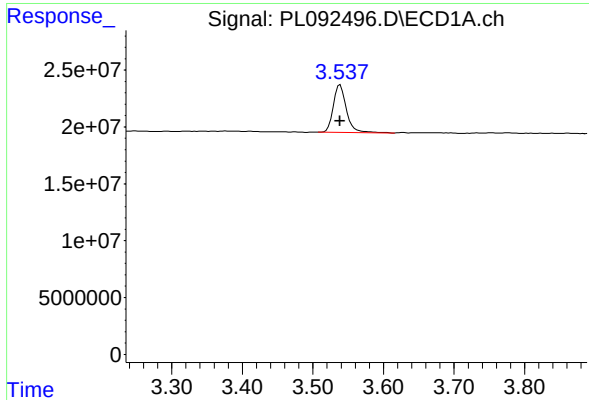
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:46
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

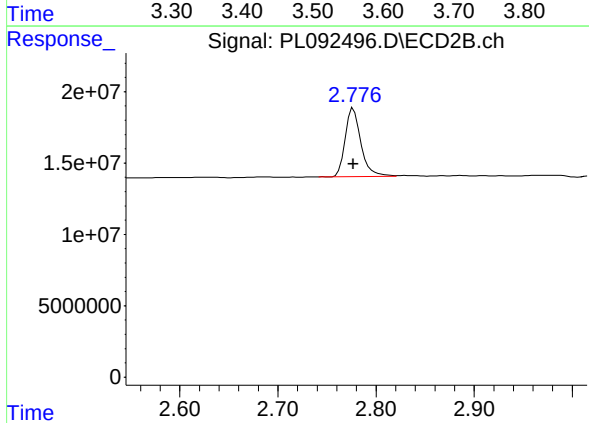




#1 Tetrachloro-m-xylene

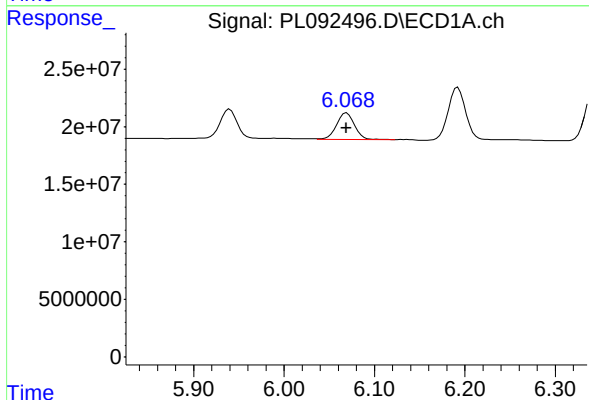
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 53638818
Conc: 19.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



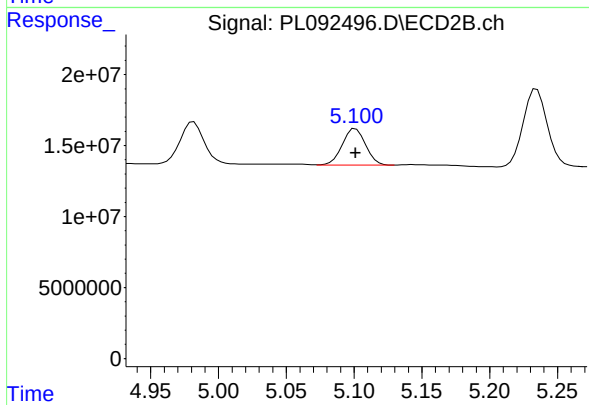
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 53579121
Conc: 19.29 ng/ml



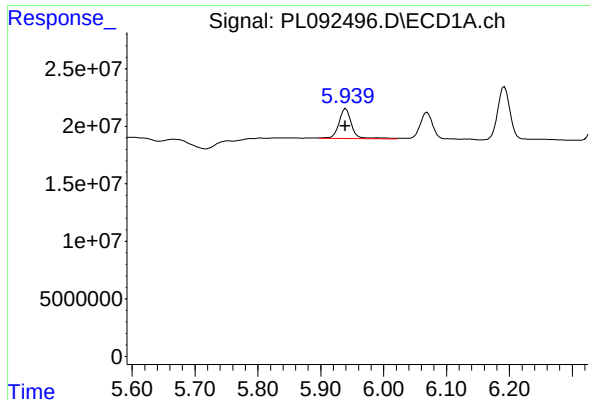
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 31820379
Conc: 10.54 ng/ml



#9 Endosulfan I

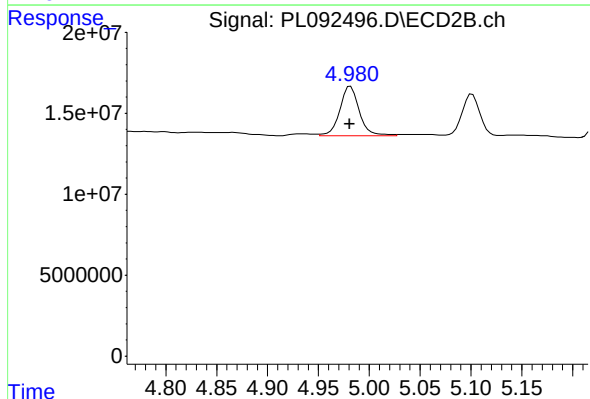
R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 30772558
Conc: 9.67 ng/ml



#10 gamma-Chlordane

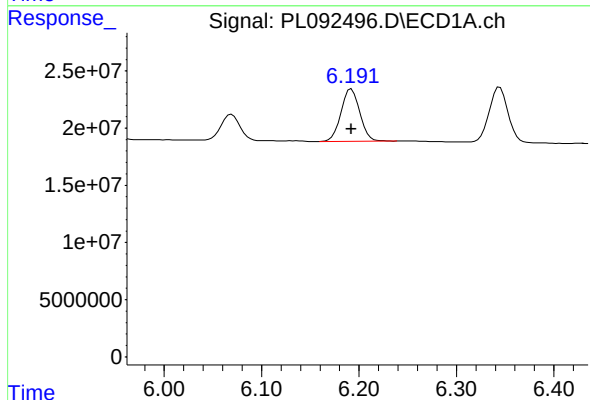
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 36257538
Conc: 11.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



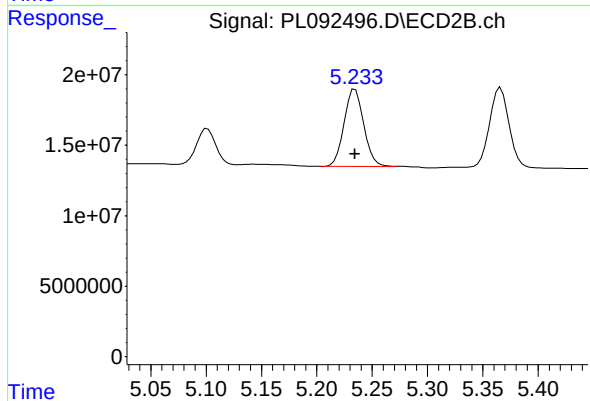
#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 40547552
Conc: 11.02 ng/ml



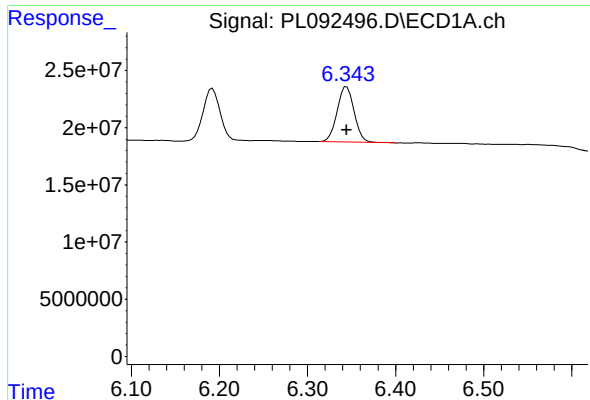
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 61294938
Conc: 20.67 ng/ml



#12 4,4'-DDE

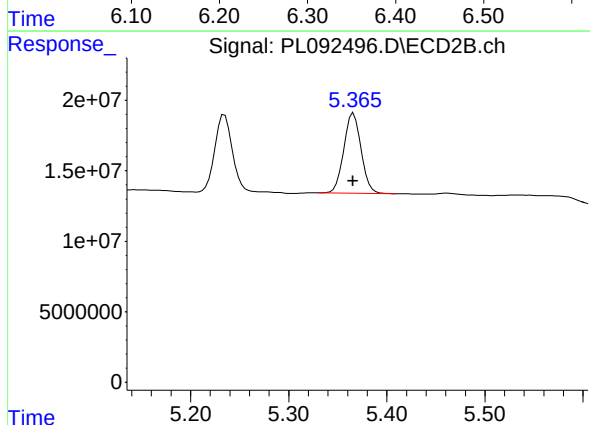
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 67869226
Conc: 19.52 ng/ml



#13 Dieldrin

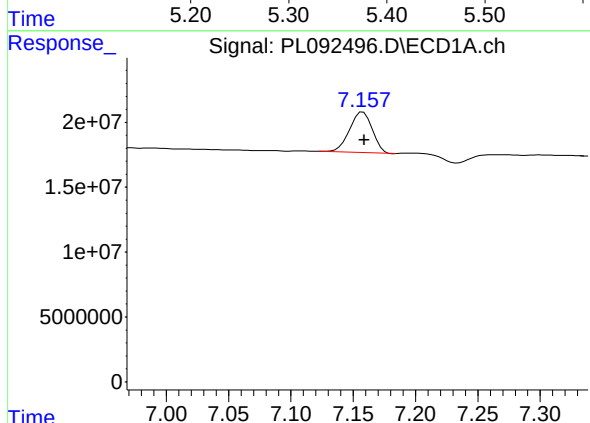
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 65159194
Conc: 20.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



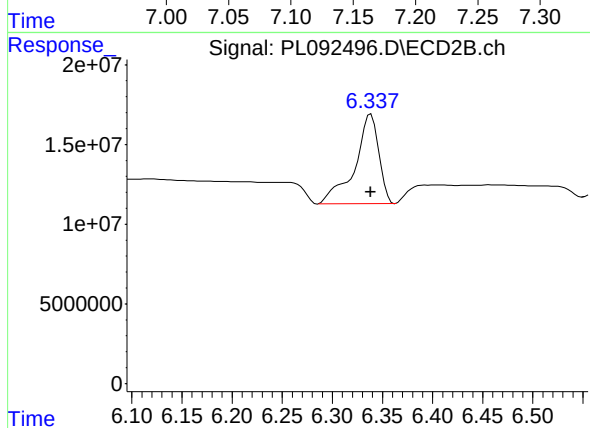
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 69573461
Conc: 19.04 ng/ml



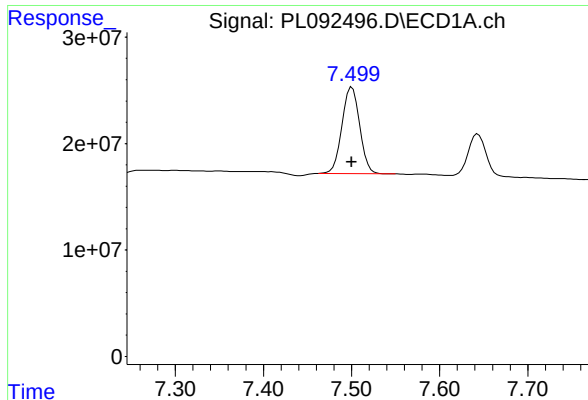
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 39910030
Conc: 15.80 ng/ml



#19 Endosulfan Sulfate

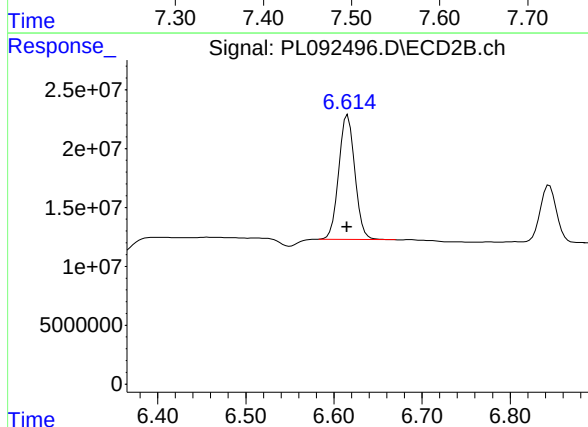
R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 93498516
Conc: 31.63 ng/ml



#20 Methoxychlor

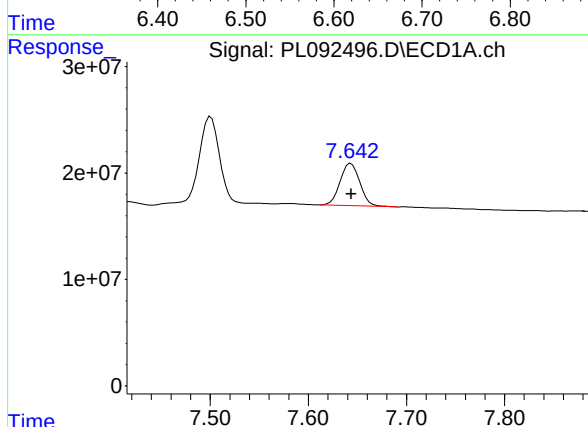
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 113789257
Conc: 96.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



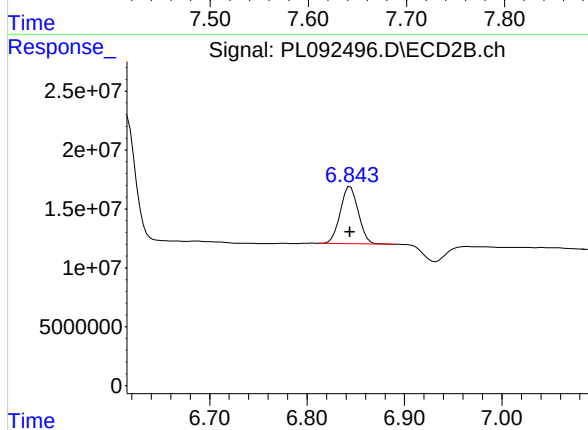
#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 134458726
Conc: 94.83 ng/ml



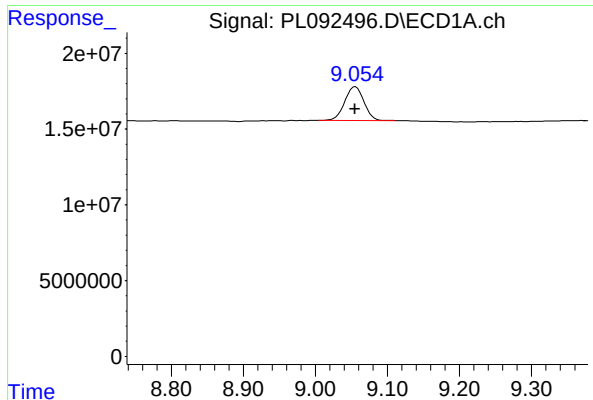
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 55451204
Conc: 20.17 ng/ml



#21 Endrin ketone

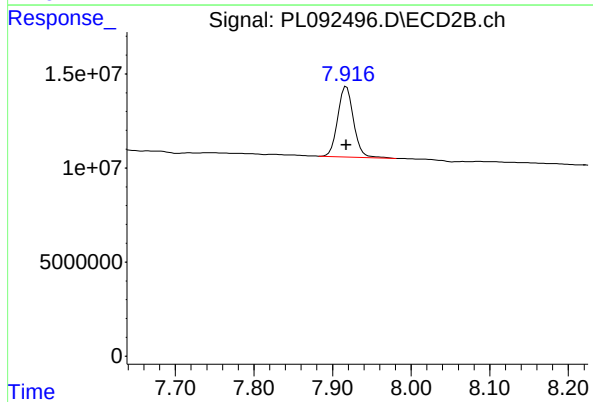
R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 61782563
Conc: 19.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 41390924
Conc: 20.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 52208486
Conc: 19.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Acq On : 28 Oct 2024 14:29
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\PL102824.M
Title : GC Extractables
Last Update : Mon Oct 28 18:58:23 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.540	5.940	100.00%
5.940	6.070	100.00%
6.070	6.193	100.00%
6.193	6.345	100.00%
6.345	7.158	100.00%
7.158	7.499	100.00%
7.499	7.643	100.00%
7.643	9.054	100.00%

Signal #2

2.778	4.982	100.00%
4.982	5.102	100.00%
5.102	5.235	100.00%
5.235	5.366	100.00%
5.366	6.338	100.00%
6.338	6.615	100.00%
6.615	6.844	100.00%
6.844	7.916	100.00%

PL102824.M Wed Nov 06 07:44:40 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	48587926	52085719	19.830	19.141
2) SA Decachlor...	9.054	7.916	38629596	53476121	20.072	19.594
Target Compounds						
9) A Endosulfan I	6.070	5.102	26602716	28047383	10.635	9.186
10) B gamma-Chl...	5.940	4.982	28607831	32626788	10.752	9.705
12) B 4,4'-DDE	6.193	5.235	47717989	61582025	20.141	19.115
13) MA Dieldrin	6.345	5.366	51856039	61668549	19.676	18.462
19) B Endosulfa...	7.158	6.338	40592527	50485467	18.703	18.720
20) A Methoxychlor	7.499	6.615	100.3E6	134.2E6	87.976	93.949
21) B Endrin ke...	7.643	6.844	47240044	57600618	19.498	18.770

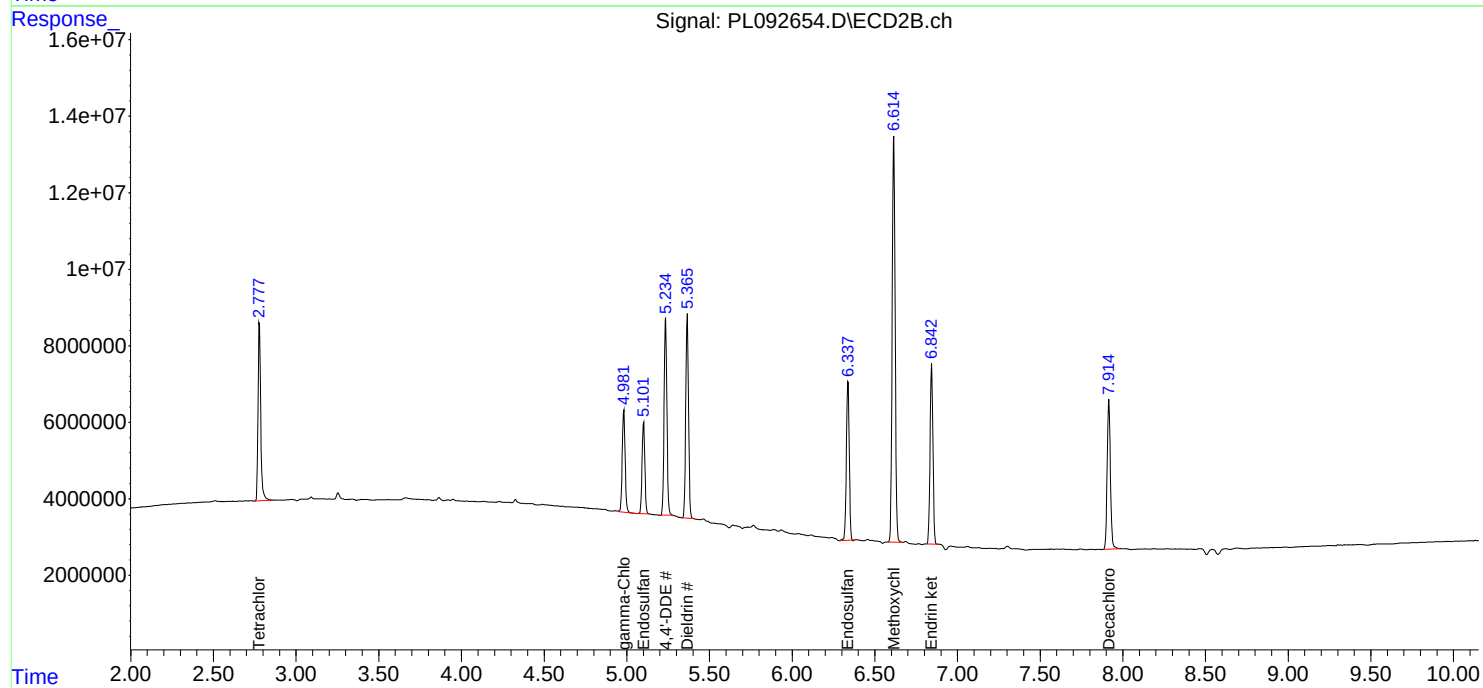
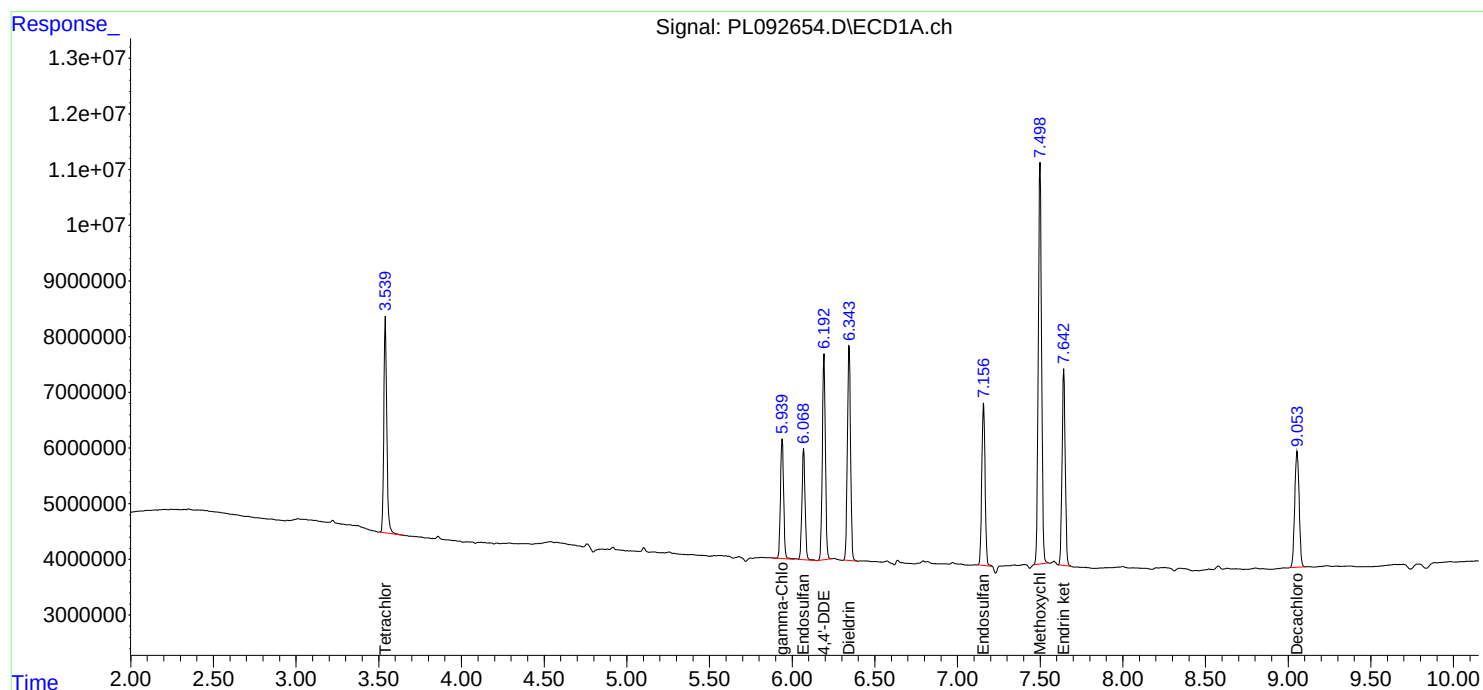
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

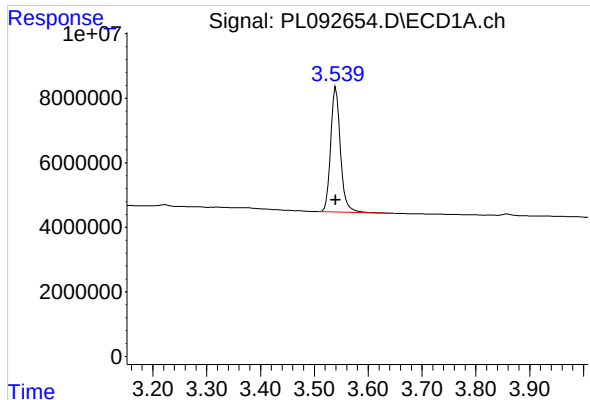
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

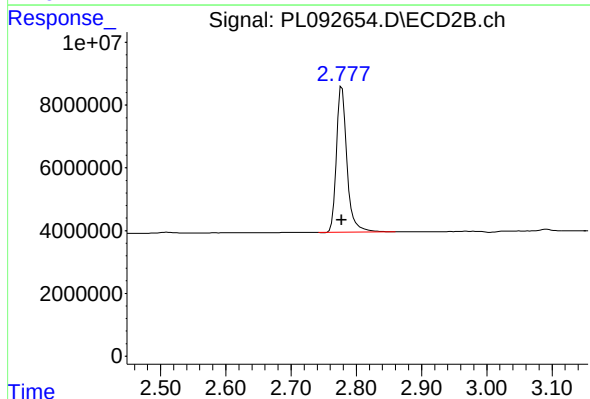




#1 Tetrachloro-m-xylene

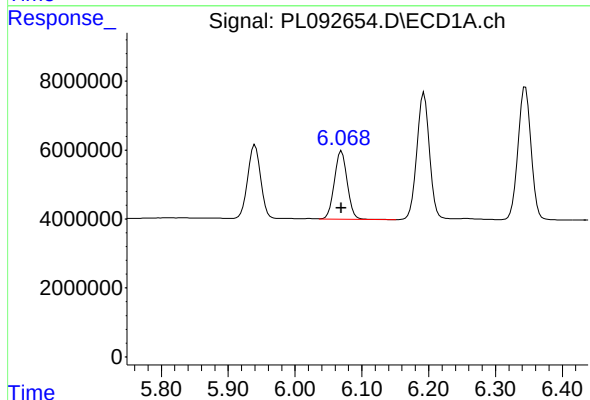
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 48587926
Conc: 19.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



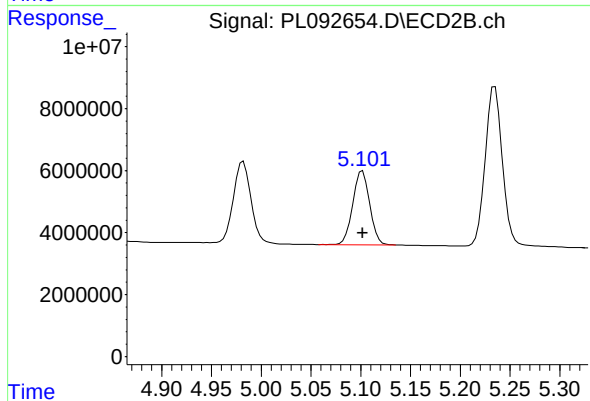
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 52085719
Conc: 19.14 ng/ml



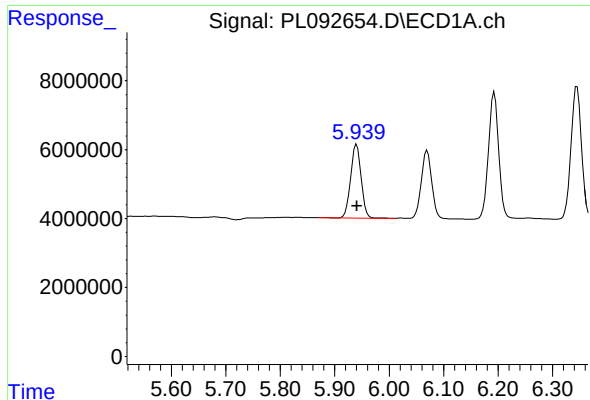
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 26602716
Conc: 10.64 ng/ml



#9 Endosulfan I

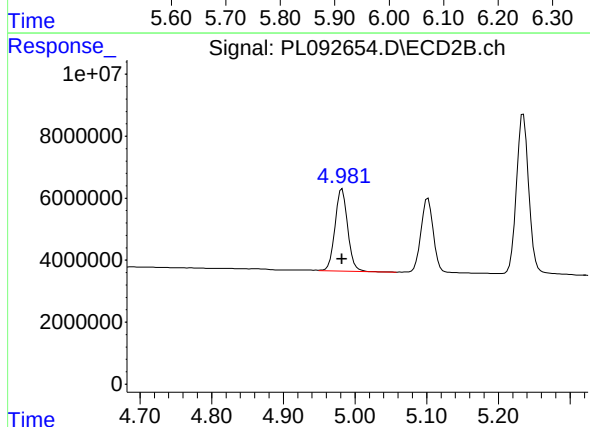
R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 28047383
Conc: 9.19 ng/ml



#10 gamma-Chlordane

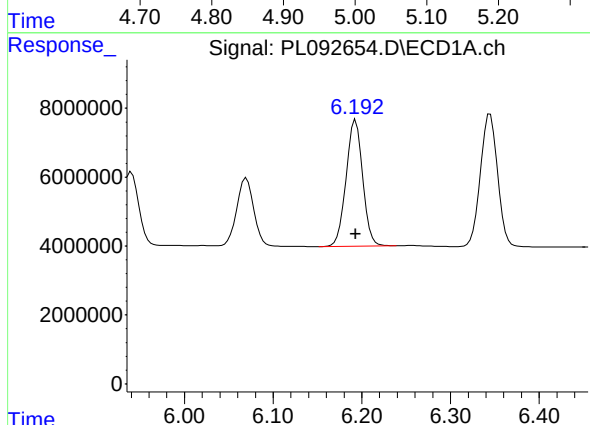
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 28607831
Conc: 10.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



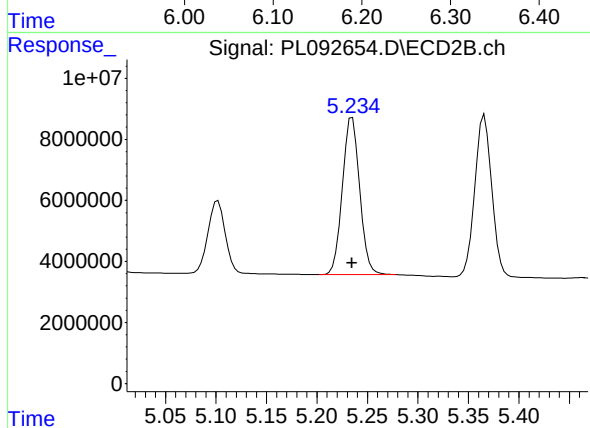
#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 32626788
Conc: 9.71 ng/ml



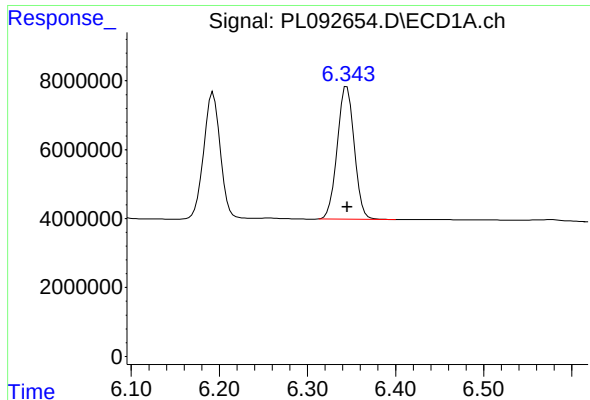
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 47717989
Conc: 20.14 ng/ml



#12 4,4'-DDE

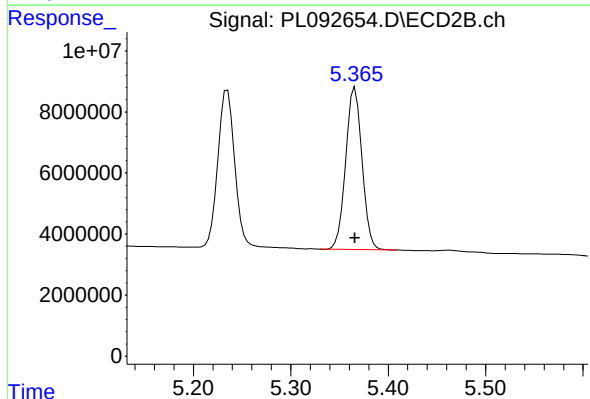
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 61582025
Conc: 19.12 ng/ml



#13 Dieldrin

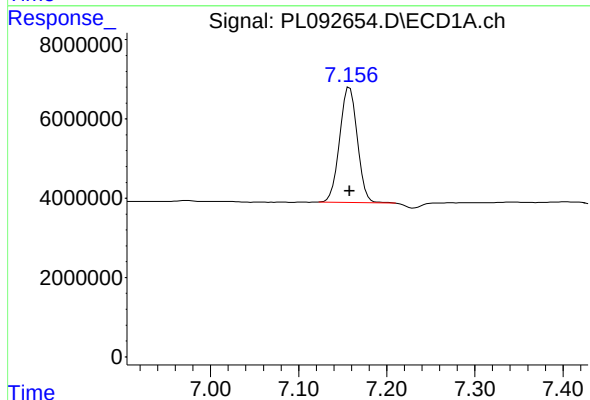
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 51856039
Conc: 19.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



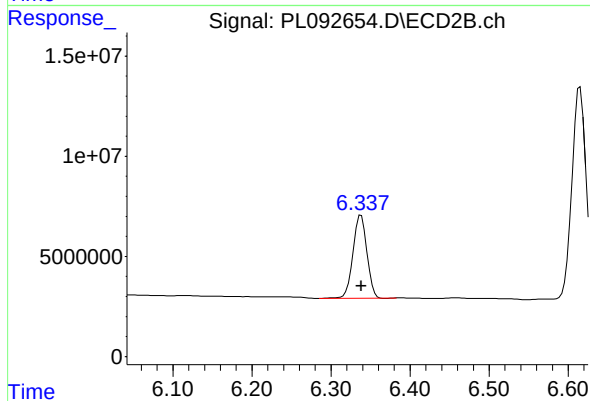
#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 61668549
Conc: 18.46 ng/ml



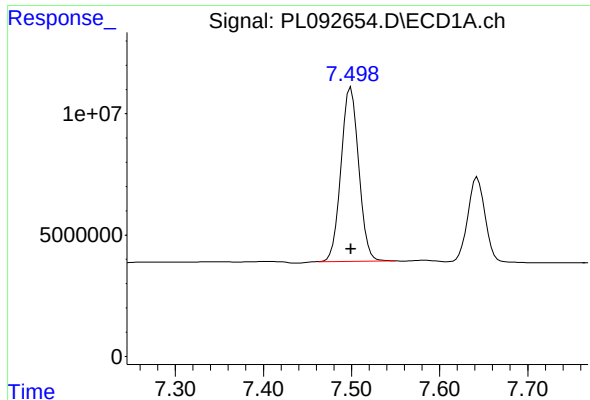
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 40592527
Conc: 18.70 ng/ml



#19 Endosulfan Sulfate

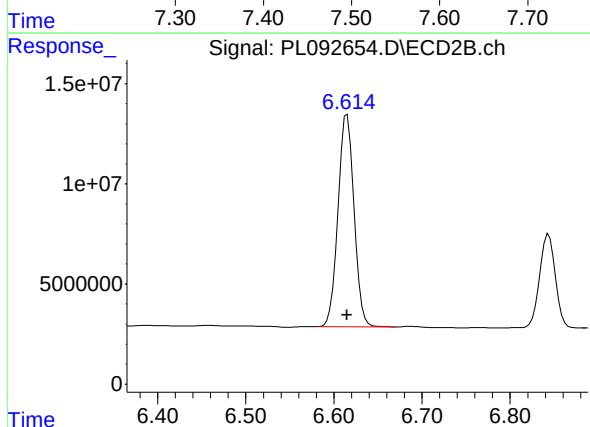
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 50485467
Conc: 18.72 ng/ml



#20 Methoxychlor

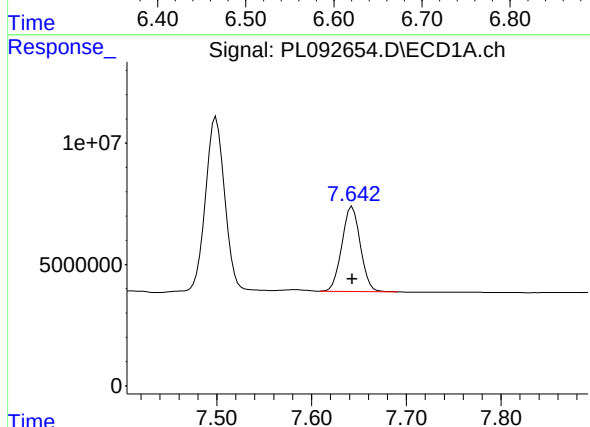
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 100292431
Conc: 87.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



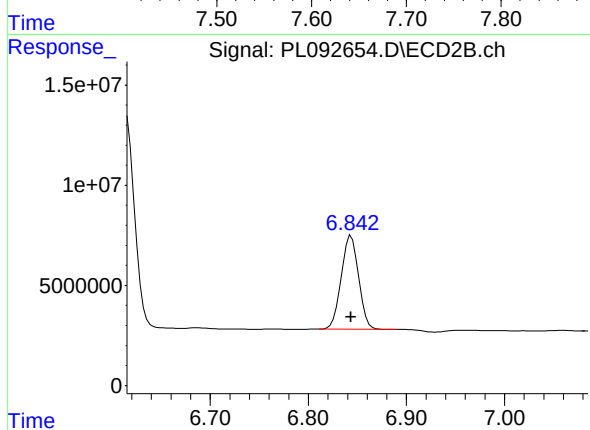
#20 Methoxychlor

R.T.: 6.615 min
Delta R.T.: 0.000 min
Response: 134162458
Conc: 93.95 ng/ml



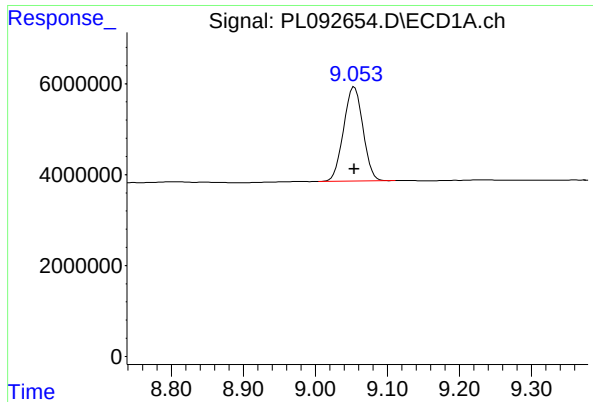
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 47240044
Conc: 19.50 ng/ml



#21 Endrin ketone

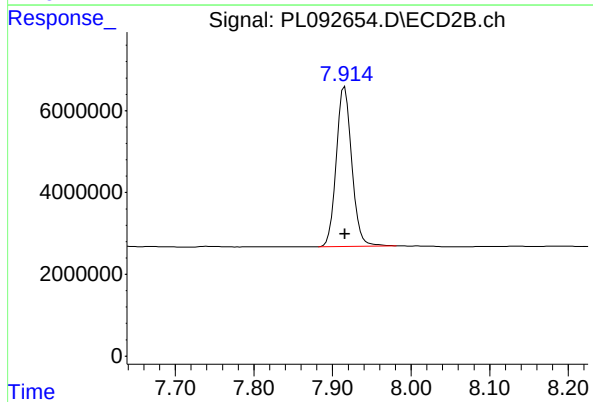
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 57600618
Conc: 18.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 38629596
Conc: 20.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 53476121
Conc: 19.59 ng/ml

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/21/2024

10/21/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICCC100	PSTDICCC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICCC075	PSTDICCC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICCC050	PSTDICCC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICCC025	PSTDICCC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
IBLK	IBLK	10/25/2024	15:08	PL092637.D	9.06	3.54
PEM	PEM	10/25/2024	15:22	PL092638.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	9.06	3.54
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	9.06	3.55
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	9.06	3.54
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	9.06	3.54
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	9.06	3.54
IBLK	IBLK	10/25/2024	19:09	PL092649.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	9.06	3.54
IBLK	IBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
IBLK	IBLK	11/04/2024	08:34	PL092815.D	9.06	3.54
PEM	PEM	11/04/2024	08:48	PL092816.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	9.06	3.55
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	9.06	3.55
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	9.06	3.54
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	9.06	3.54
IBLK	IBLK	11/04/2024	17:57	PL092838.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	9.06	3.54

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/21/2024

10/21/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
IBLK	IBLK	10/25/2024	15:08	PL092637.D	7.92	2.78
PEM	PEM	10/25/2024	15:22	PL092638.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	7.92	2.78
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	7.92	2.78
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	7.92	2.78
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	7.92	2.78
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	7.92	2.78
IBLK	IBLK	10/25/2024	19:09	PL092649.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	7.92	2.78
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	11/04/2024	08:34	PL092815.D	7.92	2.78
PEM	PEM	11/04/2024	08:48	PL092816.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	7.92	2.78
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	7.92	2.78
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	7.92	2.78
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	7.92	2.78
IBLK	IBLK	11/04/2024	17:57	PL092838.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	14.9	8.4
	2	5.79	5.74	5.84	16.2	
4,4'-DDT	1	7.03	6.98	7.08	14.8	9
	2	6.04	5.99	6.09	16.2	
alpha-BHC	1	4.00	3.95	4.05	14.9	14.9
	2	3.28	3.23	3.33	17.3	
Aldrin	1	5.26	5.21	5.31	14.4	14.2
	2	4.23	4.18	4.28	16.6	
beta-BHC	1	4.53	4.48	4.58	16.8	5.2
	2	3.91	3.86	3.96	17.7	
alpha-Chlordane	1	6.02	5.97	6.07	14.5	19.9
	2	5.05	5.00	5.10	17.7	
4,4'-DDE	1	6.19	6.14	6.24	14.4	18.9
	2	5.24	5.19	5.29	17.4	
Endosulfan II	1	6.80	6.75	6.85	14.8	9.6
	2	5.94	5.89	5.99	16.3	
Endrin aldehyde	1	6.93	6.88	6.98	14.9	7.7
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.2	5.1
	2	6.34	6.29	6.39	16.0	
Methoxychlor	1	7.50	7.45	7.55	16.7	1.2
	2	6.62	6.57	6.67	16.9	
Endrin ketone	1	7.65	7.60	7.70	15.4	7.5
	2	6.85	6.80	6.90	16.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	13.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	15.2	15.8
	2	3.95	3.90	4.00	17.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.77	4.72	4.82	14.5	12.3
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.5	16.5
	2	4.73	4.68	4.78	17.1	
Endosulfan I	1	6.07	6.02	6.12	14.6	20.3
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.5	17
	2	4.98	4.93	5.03	17.2	
Dieldrin	1	6.35	6.30	6.40	14.4	14.2
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.58	6.53	6.63	13.7	16.1
	2	5.64	5.59	5.69	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MSD

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	14.5	14.7
	2	5.94	5.89	5.99	16.8	
4,4'-DDD	1	6.71	6.66	6.76	14.7	14.5
	2	5.79	5.74	5.84	17.0	
4,4'-DDT	1	7.03	6.98	7.08	14.9	10.8
	2	6.04	5.99	6.09	16.6	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	8.4
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.0	10.7
	2	6.34	6.29	6.39	16.7	
Methoxychlor	1	7.50	7.45	7.55	16.7	7.5
	2	6.62	6.57	6.67	18.0	
Endrin ketone	1	7.65	7.60	7.70	15.5	8
	2	6.85	6.80	6.90	16.8	
alpha-BHC	1	4.00	3.95	4.05	14.6	16.9
	2	3.28	3.23	3.33	17.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	15.7
	2	3.61	3.56	3.66	17.2	
Heptachlor	1	4.92	4.87	4.97	15.1	17.5
	2	3.95	3.90	4.00	18.0	
Aldrin	1	5.26	5.21	5.31	13.9	18.9
	2	4.23	4.18	4.28	16.8	
beta-BHC	1	4.53	4.48	4.58	16.4	8.7
	2	3.91	3.86	3.96	17.9	
delta-BHC	1	4.77	4.72	4.82	14.4	14.2
	2	4.14	4.09	4.19	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	19.6
	2	4.73	4.68	4.78	17.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MSD

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	14.5	21
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.3	18.4
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	18.9
	2	5.05	5.00	5.10	17.4	
4,4'-DDE	1	6.19	6.14	6.24	14.3	20.7
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	14.1	19.2
	2	5.37	5.32	5.42	17.1	
Endrin	1	6.58	6.53	6.63	13.8	21.9
	2	5.64	5.59	5.69	17.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: PB164398BS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	14.0	15.2
	2	5.94	5.89	5.99	16.3	
4,4'-DDD	1	6.71	6.66	6.76	14.2	15.6
	2	5.79	5.74	5.84	16.6	
4,4'-DDT	1	7.03	6.98	7.08	14.3	11.8
	2	6.04	5.99	6.09	16.1	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	11.5
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	14.6	11
	2	6.34	6.29	6.39	16.3	
Methoxychlor	1	7.50	7.45	7.55	16.5	7.6
	2	6.62	6.57	6.67	17.8	
Endrin ketone	1	7.65	7.60	7.70	15.1	13
	2	6.85	6.80	6.90	17.2	
alpha-BHC	1	4.00	3.95	4.05	13.8	16
	2	3.28	3.23	3.33	16.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.3	13.7
	2	3.61	3.56	3.66	16.4	
Heptachlor	1	4.92	4.87	4.97	14.3	15.5
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	13.6	18.1
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	15.7	6.2
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.77	4.72	4.82	14.3	12.5
	2	4.14	4.09	4.19	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	14.1	18.6
	2	4.73	4.68	4.78	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: PB164398BS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	13.9	21.2
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	13.8	17.2
	2	4.98	4.93	5.03	16.4	
alpha-Chlordane	1	6.02	5.97	6.07	13.8	19
	2	5.05	5.00	5.10	16.7	
4,4'-DDE	1	6.20	6.15	6.25	13.8	19.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.35	6.30	6.40	13.8	17.2
	2	5.37	5.32	5.42	16.4	
Endrin	1	6.58	6.53	6.63	13.6	16.8
	2	5.64	5.59	5.69	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	180	15.9
	2	5.79	5.74	5.84	211	
4,4'-DDE	1	6.20	6.15	6.25	292	11
	2	5.24	5.19	5.29	326	
4,4'-DDT	1	7.03	6.98	7.08	84.9	22.1
	2	6.04	5.99	6.09	106	
alpha-BHC	1	4.01	3.96	4.06	208	5.2
	2	3.28	3.23	3.33	219	
Aldrin	1	5.27	5.22	5.32	81.0	13.7
	2	4.23	4.18	4.28	92.9	
alpha-Chlordane	1	6.03	5.98	6.08	68.0	15.8
	2	5.05	5.00	5.10	79.7	
Endosulfan II	1	6.80	6.75	6.85	129	18.9
	2	5.94	5.89	5.99	156	
Endosulfan sulfate	1	7.17	7.12	7.22	46.7	16.5
	2	6.34	6.29	6.39	55.1	
beta-BHC	1	4.54	4.49	4.59	237	13.8
	2	3.91	3.86	3.96	272	
delta-BHC	1	4.78	4.73	4.83	263	3.7
	2	4.14	4.09	4.19	273	
Endosulfan I	1	6.08	6.03	6.13	34.2	12.3
	2	5.10	5.05	5.15	38.7	
Dieldrin	1	6.35	6.30	6.40	288	9
	2	5.37	5.32	5.42	315	
Endrin aldehyde	1	6.93	6.88	6.98	22.9	16.1
	2	6.12	6.07	6.17	26.9	
Methoxychlor	1	7.51	7.46	7.56	37.0	5.5
	2	6.62	6.57	6.67	39.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.65	7.60	7.70	155	9.8
	2	6.85	6.80	6.90	171	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	123	10
	2	3.61	3.56	3.66	136	
Heptachlor	1	4.93	4.88	4.98	251	3.9
	2	3.95	3.90	4.00	261	
Heptachlor epoxide	1	5.69	5.64	5.74	75.0	14.6
	2	4.73	4.68	4.78	86.8	
gamma-Chlordane	1	5.95	5.90	6.00	207	13.5
	2	4.98	4.93	5.03	237	
Endrin	1	6.58	6.53	6.63	34.6	23
	2	5.64	5.59	5.69	43.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	179	19.2
	2	5.79	5.74	5.84	217	
4,4'-DDT	1	7.03	6.98	7.08	83.6	21.7
	2	6.04	5.99	6.09	104	
alpha-BHC	1	4.00	3.95	4.05	205	11.1
	2	3.28	3.23	3.33	229	
Aldrin	1	5.26	5.21	5.31	81.0	16.9
	2	4.23	4.18	4.28	96.0	
beta-BHC	1	4.53	4.48	4.58	242	16.3
	2	3.91	3.86	3.96	285	
alpha-Chlordane	1	6.02	5.97	6.07	68.1	15.9
	2	5.05	5.00	5.10	79.9	
4,4'-DDE	1	6.20	6.15	6.25	291	16.1
	2	5.24	5.19	5.29	342	
Endosulfan II	1	6.80	6.75	6.85	130	20.1
	2	5.94	5.89	5.99	159	
Endrin aldehyde	1	6.93	6.88	6.98	24.7	8.5
	2	6.12	6.07	6.17	26.9	
Endosulfan sulfate	1	7.16	7.11	7.21	48.2	13.2
	2	6.34	6.29	6.39	55.0	
Methoxychlor	1	7.50	7.45	7.55	38.8	7
	2	6.62	6.57	6.67	41.6	
Endrin ketone	1	7.65	7.60	7.70	156	13.2
	2	6.84	6.79	6.89	178	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	122	13.7
	2	3.61	3.56	3.66	140	
Heptachlor	1	4.92	4.87	4.97	256	15.2
	2	3.95	3.90	4.00	298	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.78	4.73	4.83	262	10.5
	2	4.14	4.09	4.19	291	
Heptachlor epoxide	1	5.69	5.64	5.74	75.5	18.2
	2	4.73	4.68	4.78	90.6	
Endosulfan I	1	6.07	6.02	6.12	35.0	11.6
	2	5.10	5.05	5.15	39.3	
gamma-Chlordane	1	5.94	5.89	5.99	202	19.6
	2	4.98	4.93	5.03	246	
Dieldrin	1	6.35	6.30	6.40	291	16.1
	2	5.37	5.32	5.42	342	
Endrin	1	6.58	6.53	6.63	35.2	20.6
	2	5.64	5.59	5.69	43.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL2

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	158	4.3
	2	5.94	5.89	5.99	165	
4,4'-DDD	1	6.71	6.66	6.76	208	3.3
	2	5.79	5.74	5.84	215	
4,4'-DDT	1	7.03	6.98	7.08	98.3	0.5
	2	6.04	5.99	6.09	98.8	
Endrin aldehyde	1	6.93	6.88	6.98	31.9	6.8
	2	6.12	6.07	6.17	29.8	
Endosulfan sulfate	1	7.16	7.11	7.21	63.5	9.1
	2	6.34	6.29	6.39	58.0	
Endrin ketone	1	7.65	7.60	7.70	190	2.1
	2	6.84	6.79	6.89	194	
alpha-BHC	1	4.00	3.95	4.05	211	2.8
	2	3.28	3.23	3.33	217	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	132	0
	2	3.61	3.56	3.66	132	
Aldrin	1	5.26	5.21	5.31	96.0	3.4
	2	4.23	4.18	4.28	92.8	
beta-BHC	1	4.53	4.48	4.58	290	5
	2	3.91	3.86	3.96	305	
delta-BHC	1	4.77	4.72	4.82	271	7.1
	2	4.14	4.09	4.19	291	
Endosulfan I	1	6.07	6.02	6.12	44.9	10.6
	2	5.10	5.05	5.15	40.4	
alpha-Chlordane	1	6.02	5.97	6.07	84.2	3
	2	5.05	5.00	5.10	81.7	
4,4'-DDE	1	6.19	6.14	6.24	317	10.2
	2	5.23	5.18	5.28	351	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: P4495-20DL2

Date(s) Analyzed: 11/04/2024 11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dieldrin	1	6.35	6.30	6.40	322	11.7
	2	5.37	5.32	5.42	362	
Endrin	1	6.58	6.53	6.63	44.8	3.6
	2	5.64	5.59	5.69	43.2	
Methoxychlor	1	7.50	7.45	7.55	48.5	4.9
	2	6.61	6.56	6.66	46.2	
Heptachlor	1	4.92	4.87	4.97	292	8.2
	2	3.95	3.90	4.00	317	
Heptachlor epoxide	1	5.69	5.64	5.74	99.5	7.6
	2	4.73	4.68	4.78	92.2	
gamma-Chlordane	1	5.94	5.89	5.99	227	8.4
	2	4.98	4.93	5.03	247	



QC SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BL	SDG No.:	P4495
Lab Sample ID:	PB164398BL	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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

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
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		10 - 159	89%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BL	SDG No.:	P4495
Lab Sample ID:	PB164398BL	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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

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\PL102624\
 Data File : PL092640.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 16:46
 Operator : AR\AJ
 Sample : PB164398BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB164398BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:38:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.779	45923745	49275318	17.048	17.741
28) SA Decachlor...	9.061	7.921	39394338	55620313	19.395m	21.109

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:46
Operator : AR\AJ
Sample : PB164398BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB164398BL

Manual Integrations

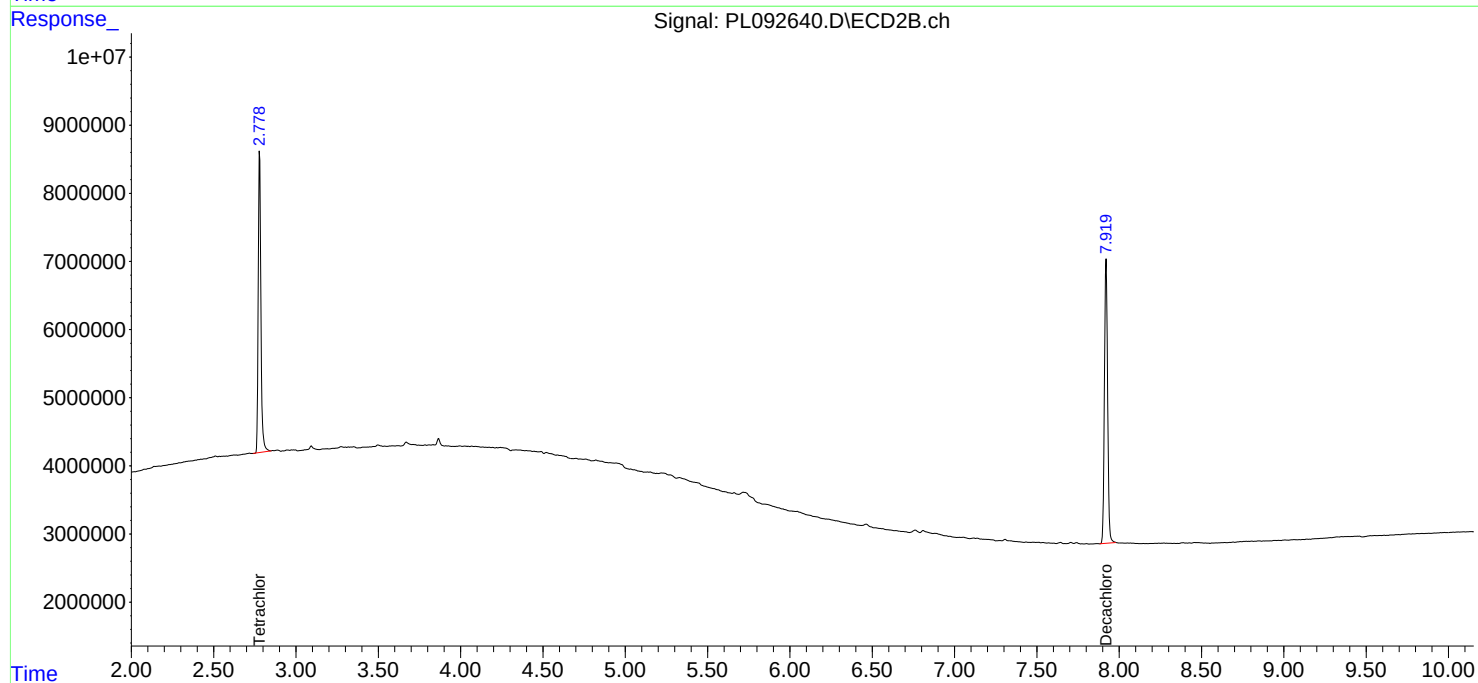
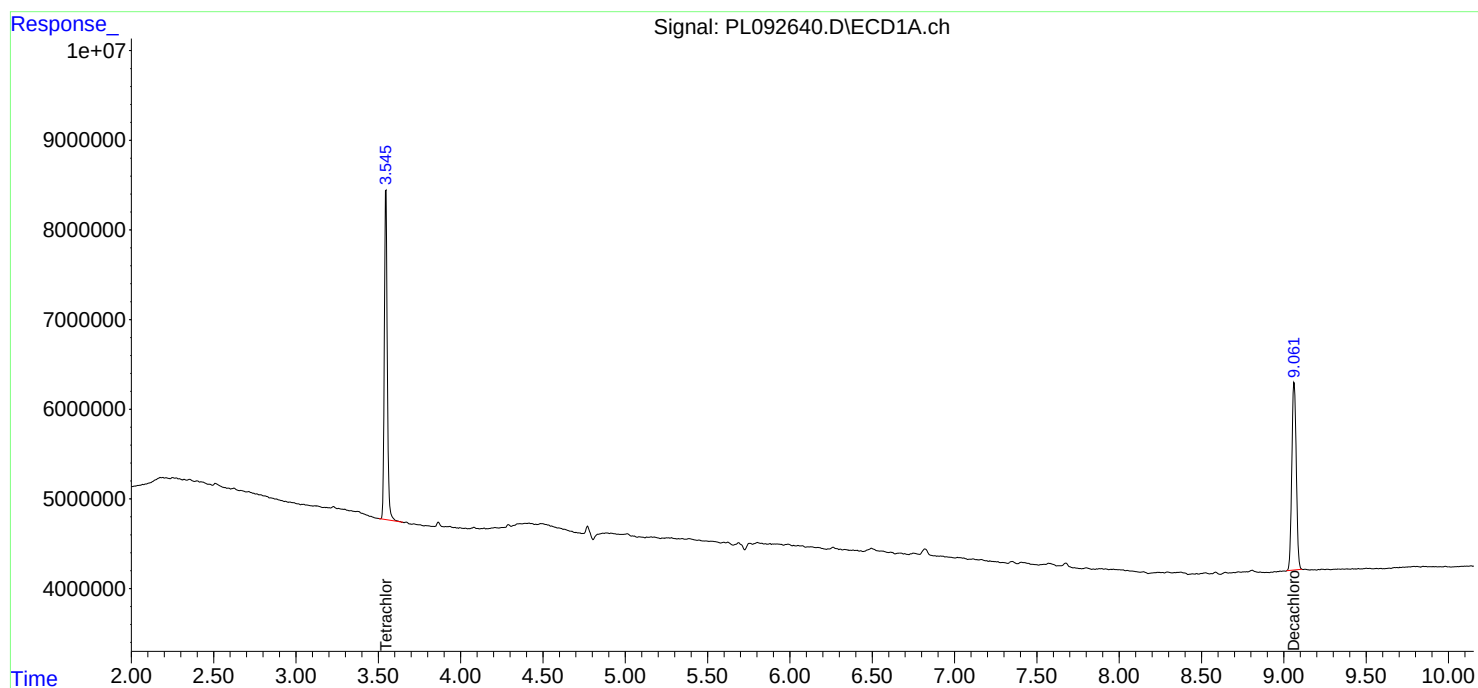
APPROVED

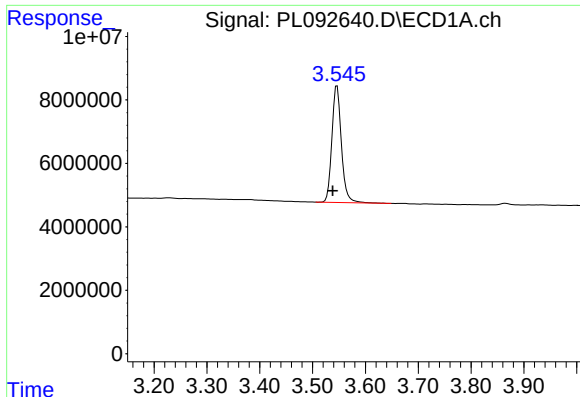
Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:38:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





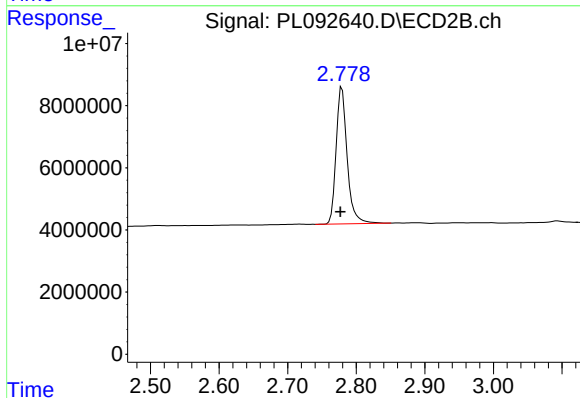
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.008 min
Response: 45923745
Conc: 17.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BL

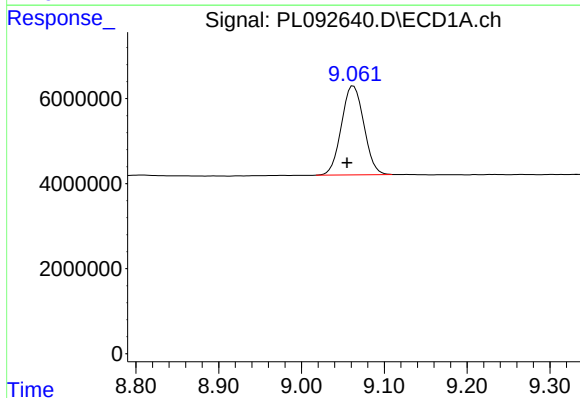
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



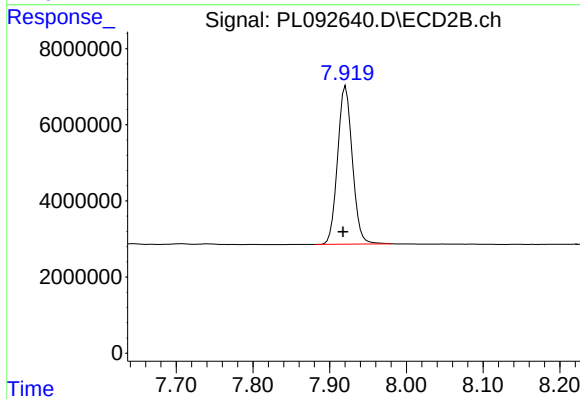
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 49275318
Conc: 17.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.006 min
Response: 39394338
Conc: 19.40 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.003 min
Response: 55620313
Conc: 21.11 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		77 - 126	110%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/21/24	
Client Sample ID:	PIBLK-PL092494.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092494.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

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\PL102124\
 Data File : PL092494.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 12:19
 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: Oct 21 17:12:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.778	59290258	55566607	22.010	20.006
28) SA Decachlor...	9.056	7.918	43580531	56502000	21.456	21.443

Target Compounds

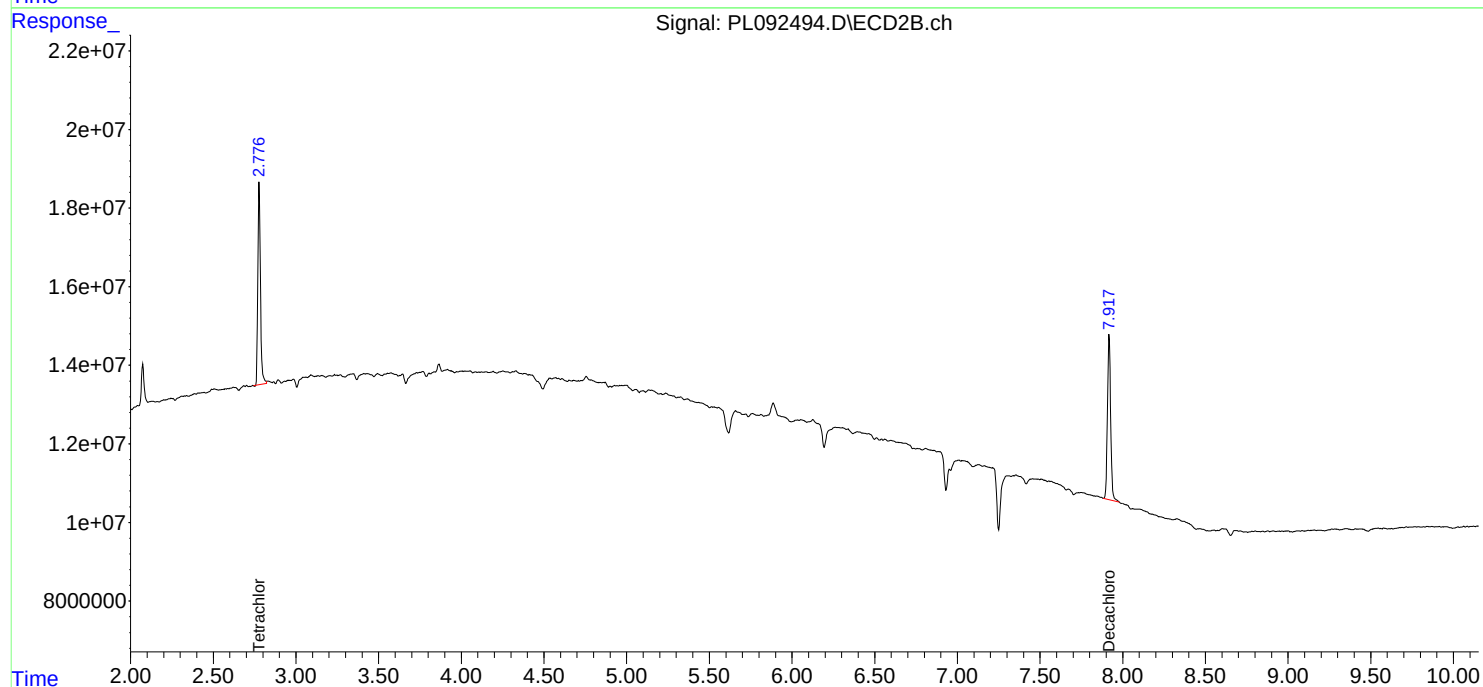
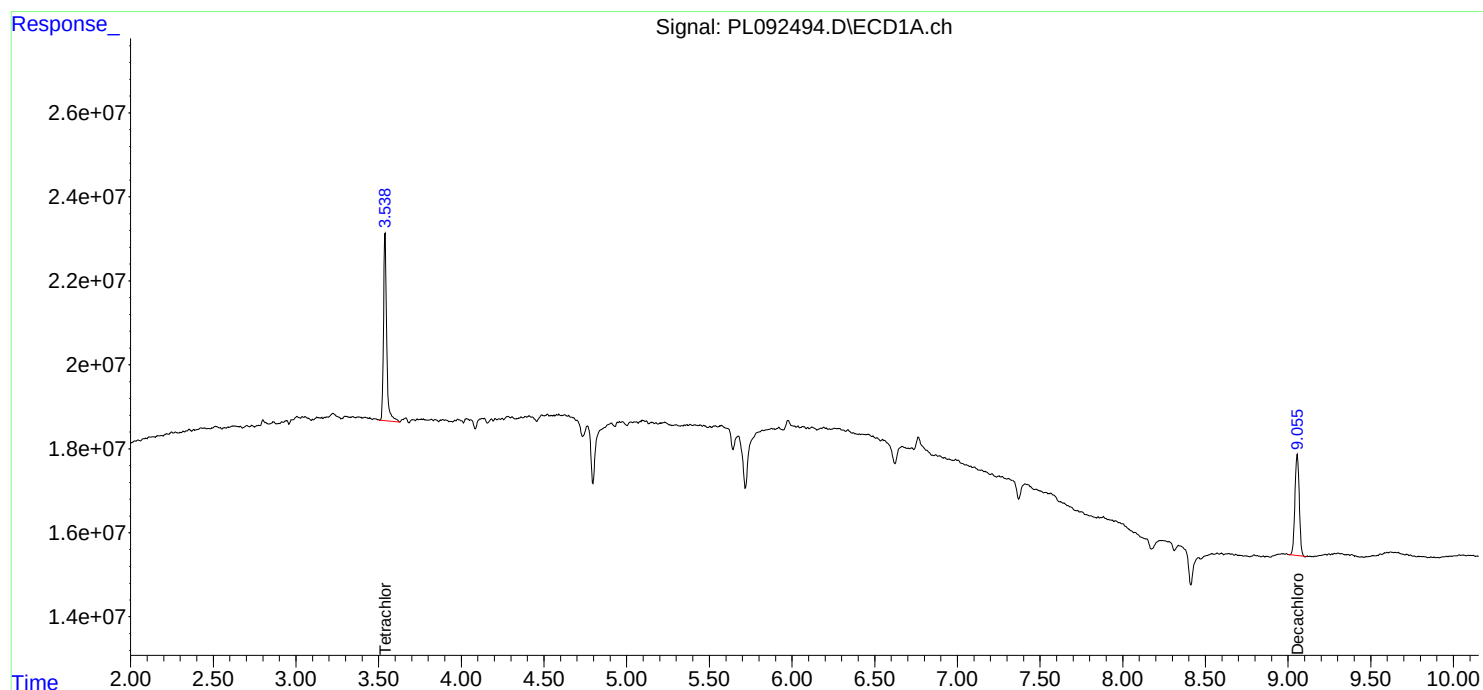
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

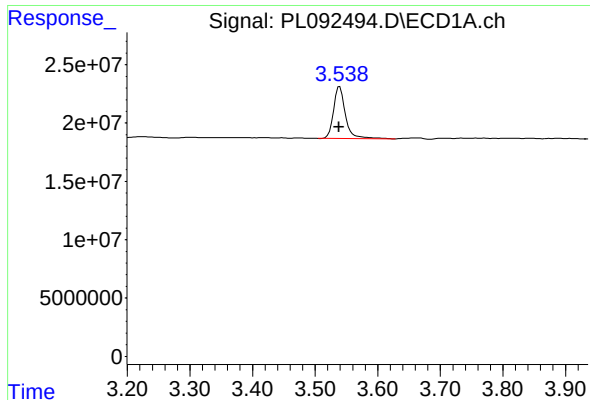
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:12:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

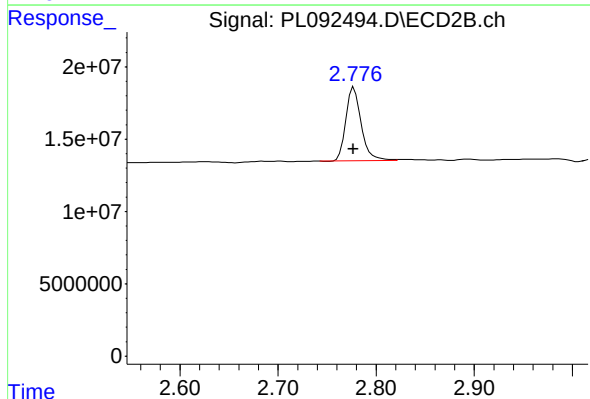




#1 Tetrachloro-m-xylene

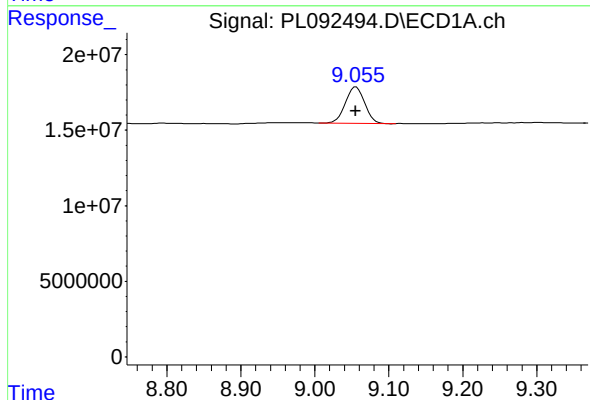
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 59290258
Conc: 22.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



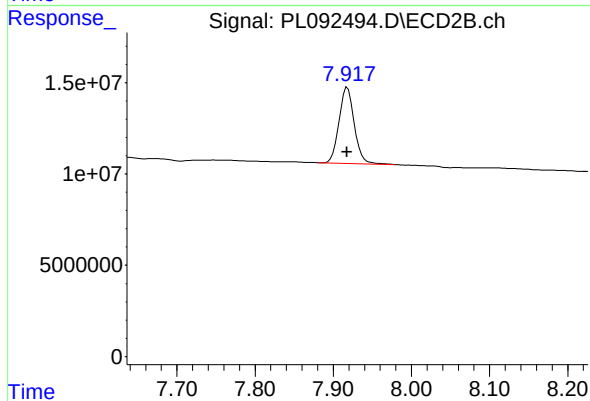
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 55566607
Conc: 20.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 43580531
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 56502000
Conc: 21.44 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092637.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092637.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		43 - 140	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092637.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092637.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092637.D	1		10/25/24	PL102624

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\PL102624\
 Data File : PL092637.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 15:08
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:37:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.541	2.779	53746660	59899848	19.952m	21.567m
28) SA Decachlor...	9.061	7.919	44803860	64265381	22.058	24.389

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092637.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 15:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

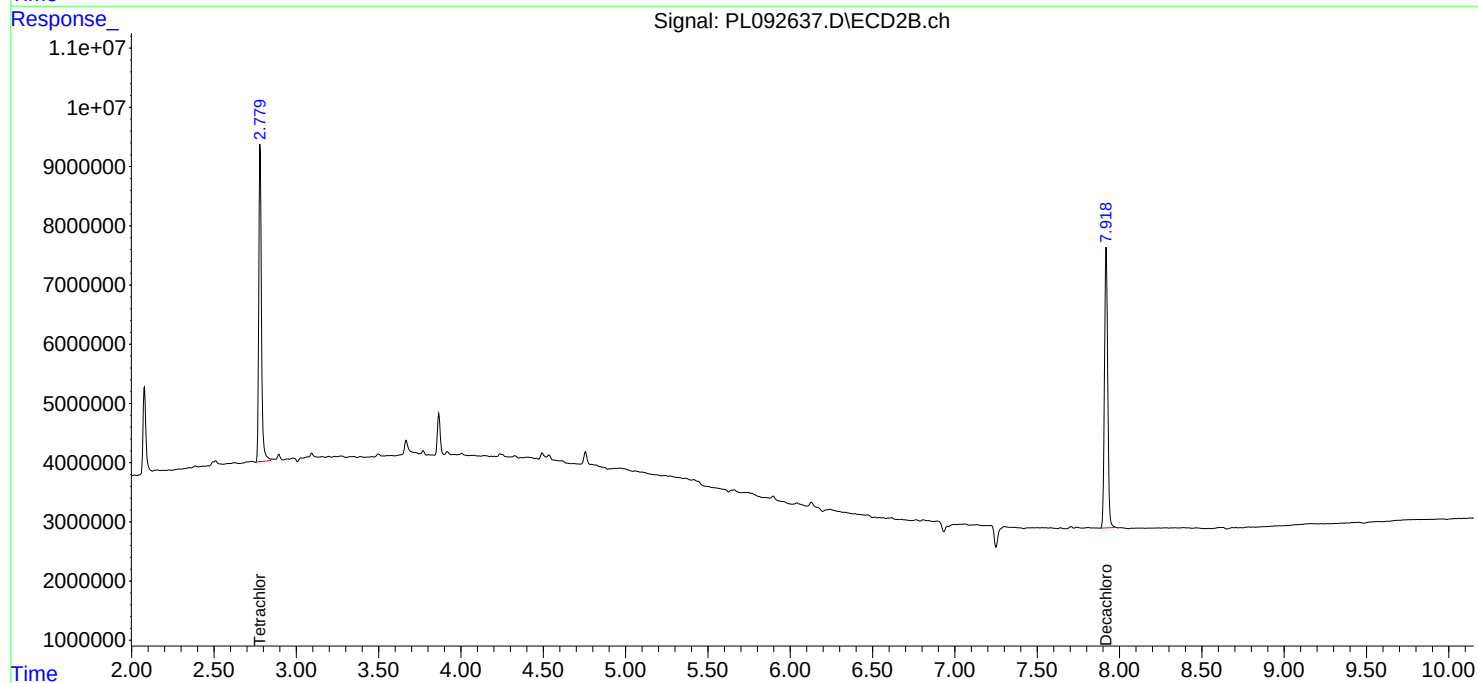
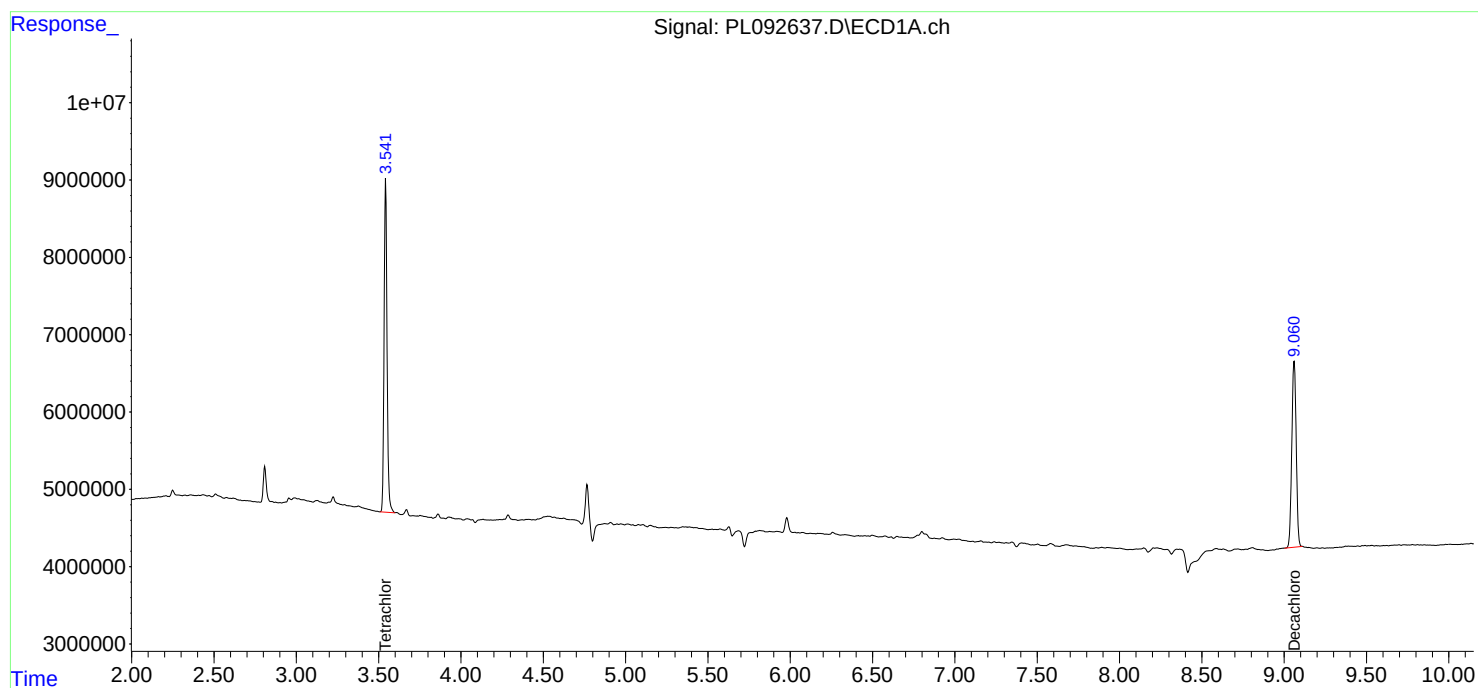
Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

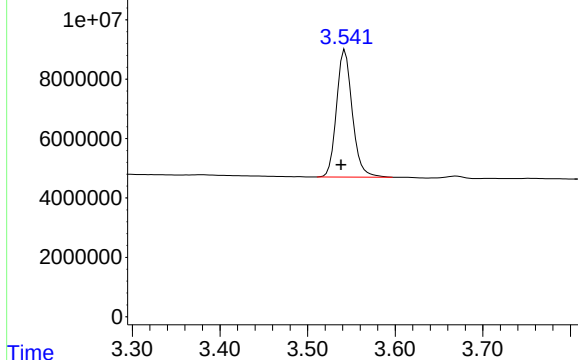
Reviewed By : Abdul Mirza 10/28/2024
Supervised By : Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:37:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092637.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 53746660
Conc: 19.95 ng/ml

Instrument :

ECD_L

ClientSampleId :

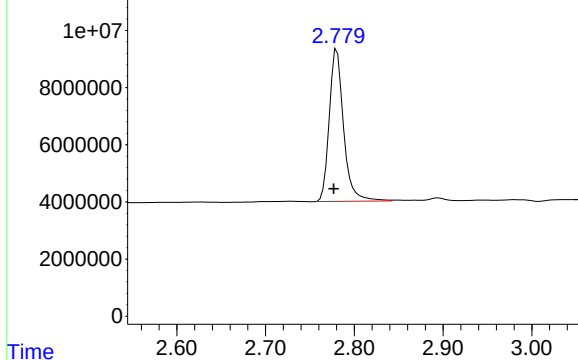
I.BLK

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

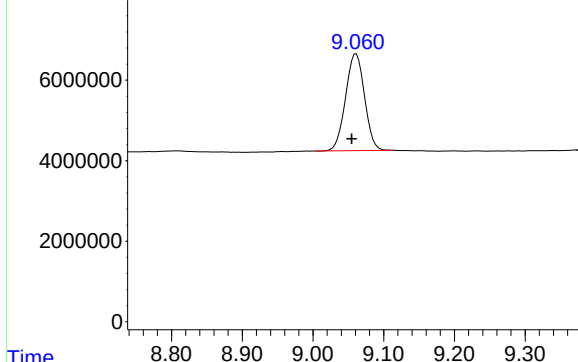
Response_ Signal: PL092637.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 59899848
Conc: 21.57 ng/ml m

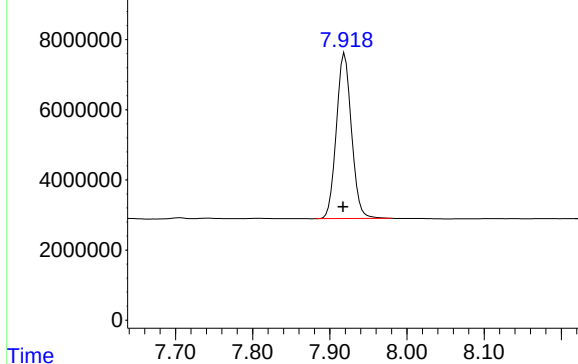
Response_ Signal: PL092637.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.006 min
Response: 44803860
Conc: 22.06 ng/ml

Response_ Signal: PL092637.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.002 min
Response: 64265381
Conc: 24.39 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092649.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092649.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092649.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092649.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092649.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092649.D	1		10/25/24	PL102624

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\PL102624\
 Data File : PL092649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 19:09
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/28/2024
 Supervised By : Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:47:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	53763278	59360422	19.958m	21.372m
2) SA Decachlor...	9.056	7.918	43149729	58380725	21.244	22.156

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 19:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

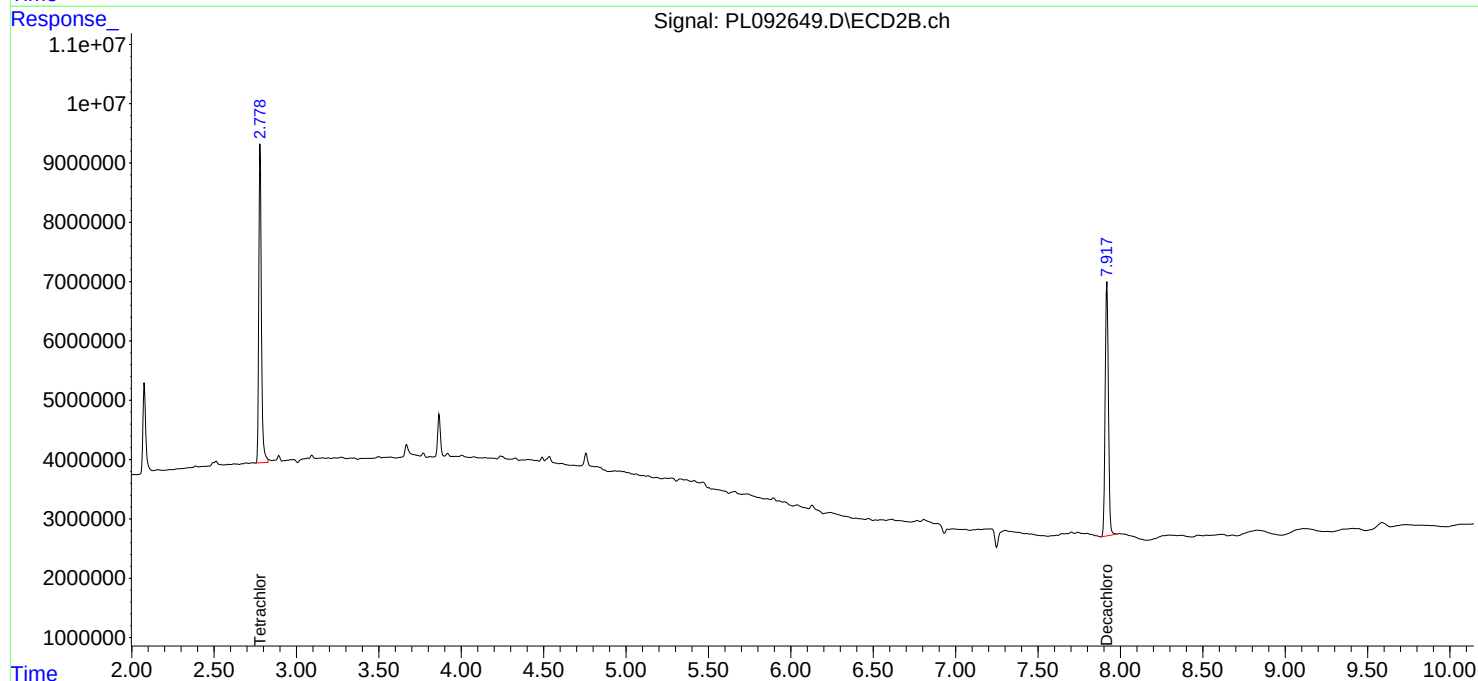
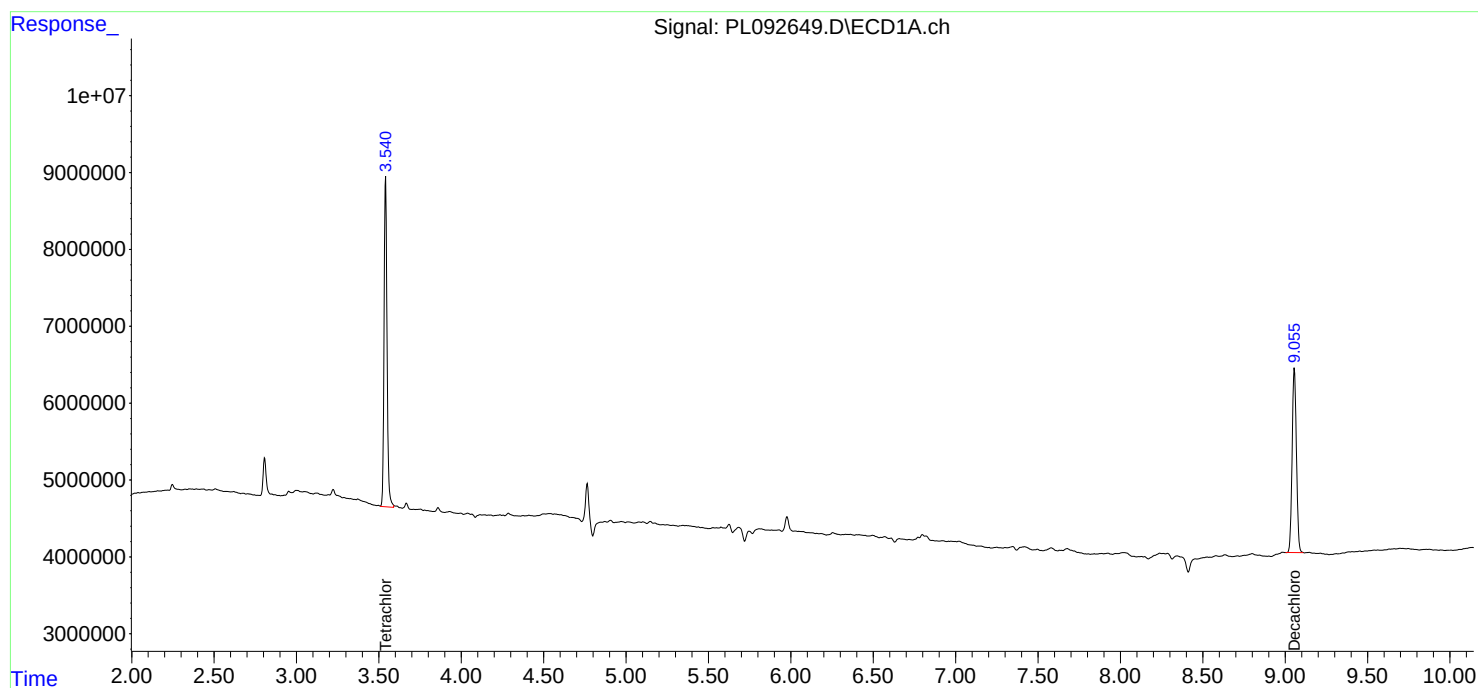
Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

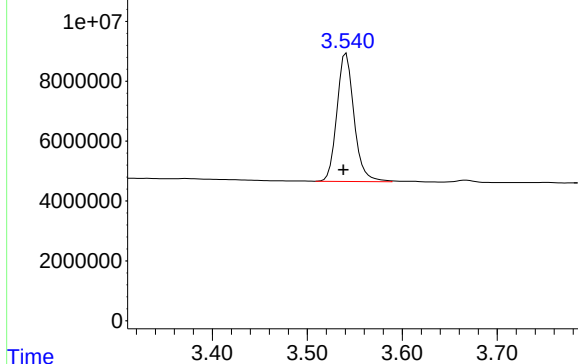
Reviewed By : Abdul Mirza 10/28/2024
Supervised By : Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:47:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092649.D\ECD1A.ch



#1 Tetrachloro-m-xylene

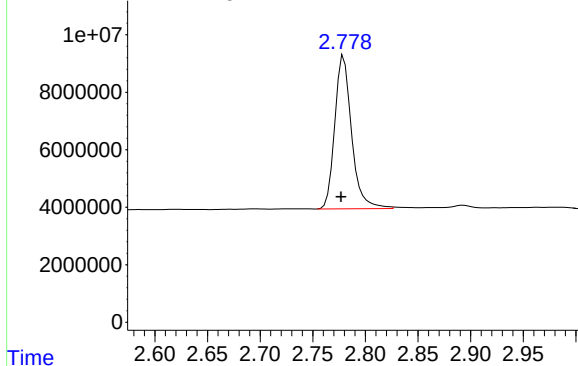
R.T.: 3.540 min
Delta R.T.: 0.002 min
Response: 53763278
Conc: 19.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

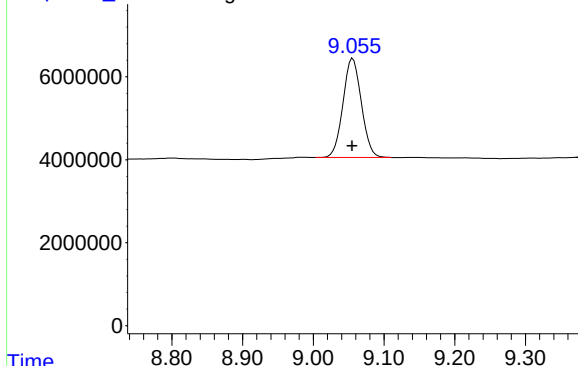
Time Response_ Signal: PL092649.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.001 min
Response: 59360422
Conc: 21.37 ng/ml m

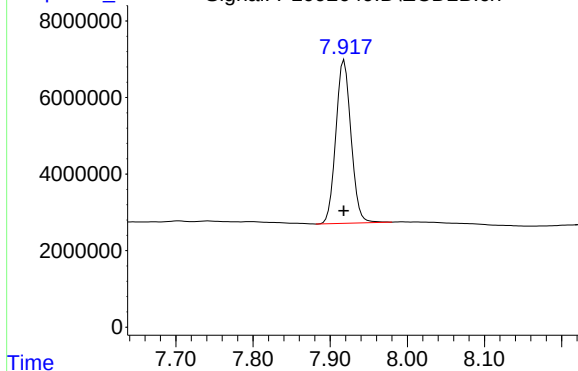
Time Response_ Signal: PL092649.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 43149729
Conc: 21.24 ng/ml

Time Response_ Signal: PL092649.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 58380725
Conc: 22.16 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	10/28/24	
Project:	NJ Soil PT			Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D			SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092652.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092652.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

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\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
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: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.777	52846066	55504223	21.568	20.397
28) SA Decachlor...	9.052	7.915	43705517	59287776	22.709	21.723

Target Compounds

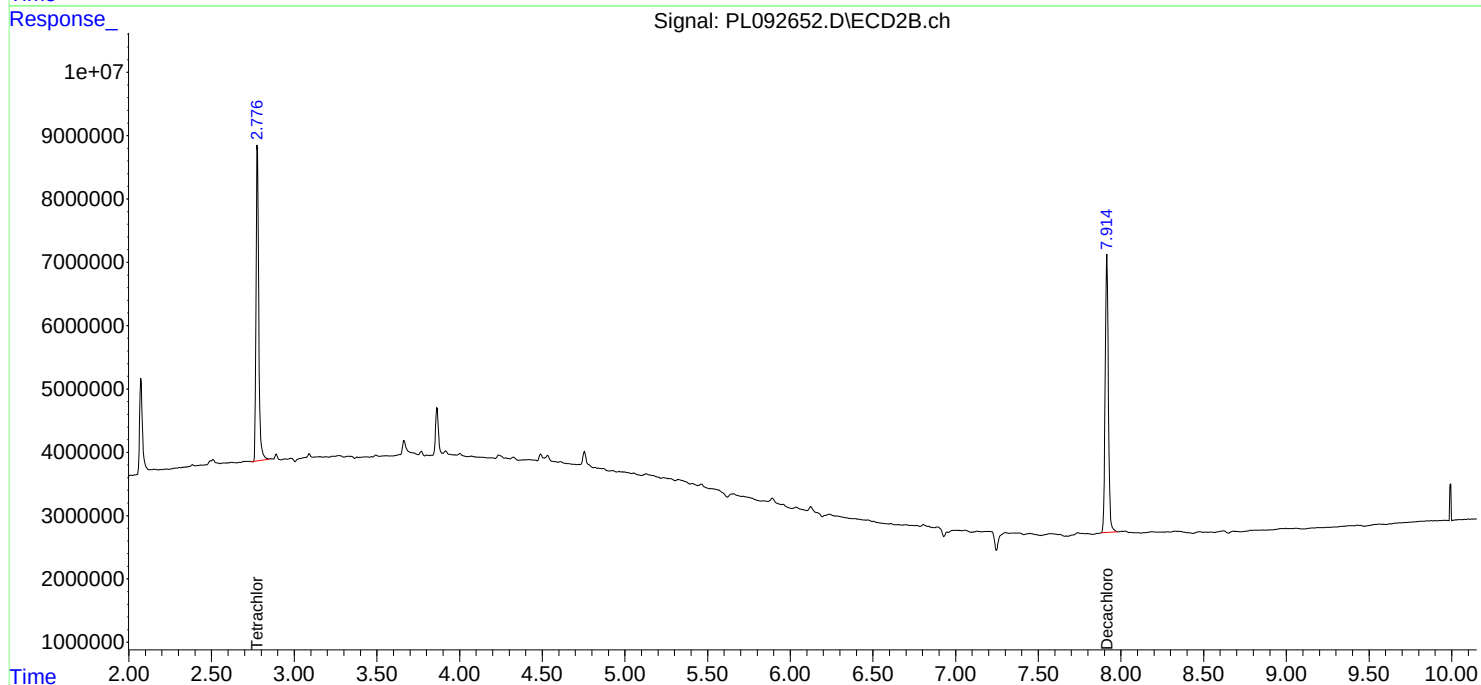
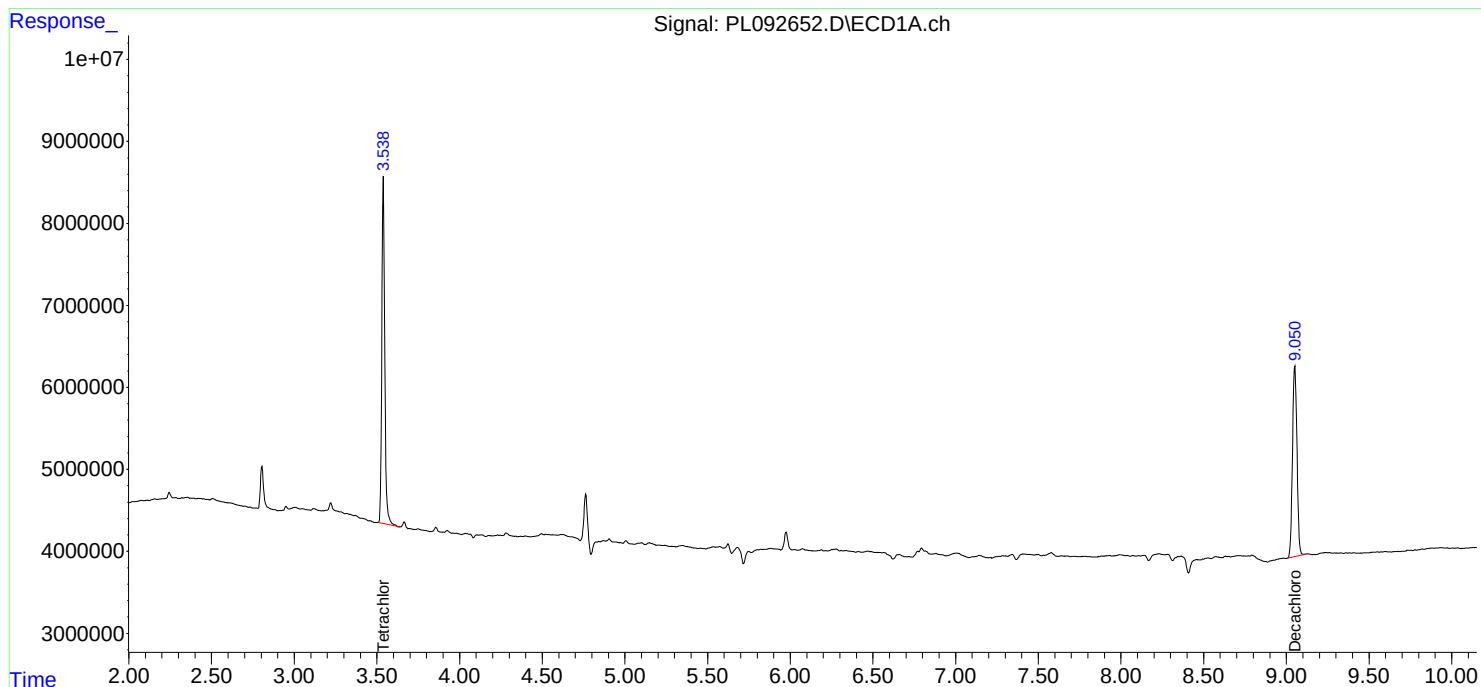
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

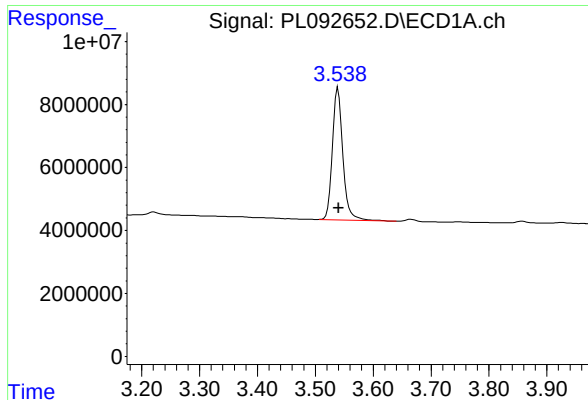
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

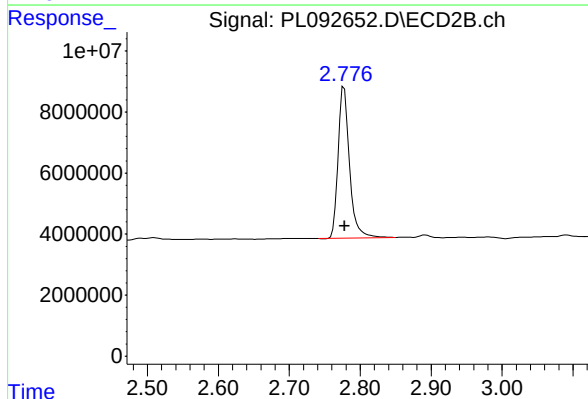




#1 Tetrachloro-m-xylene

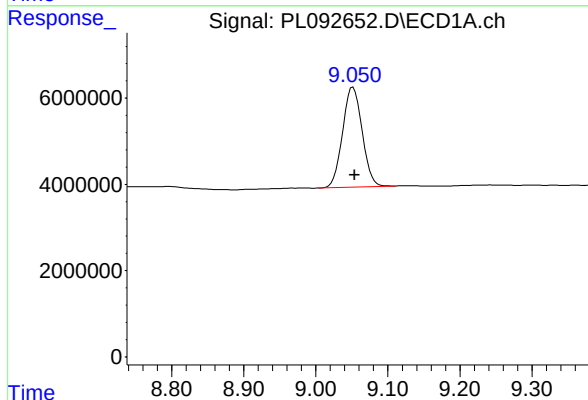
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



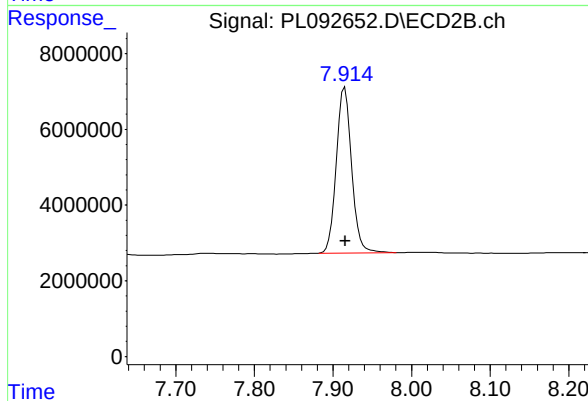
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 55504223
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 43705517
Conc: 22.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59287776
Conc: 21.72 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	11/04/24	
Project:	NJ Soil PT			Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092815.D			SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092815.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092815.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092815.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092815.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092815.D	1		11/04/24	PL110424

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\PL110424\
Data File : PL092815.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 08:34
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: Nov 05 03:08:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.779	45462259	49136991	18.554	18.057
28) SA Decachlor...	9.058	7.917	36039220	47326062	18.726	17.340

Target Compounds

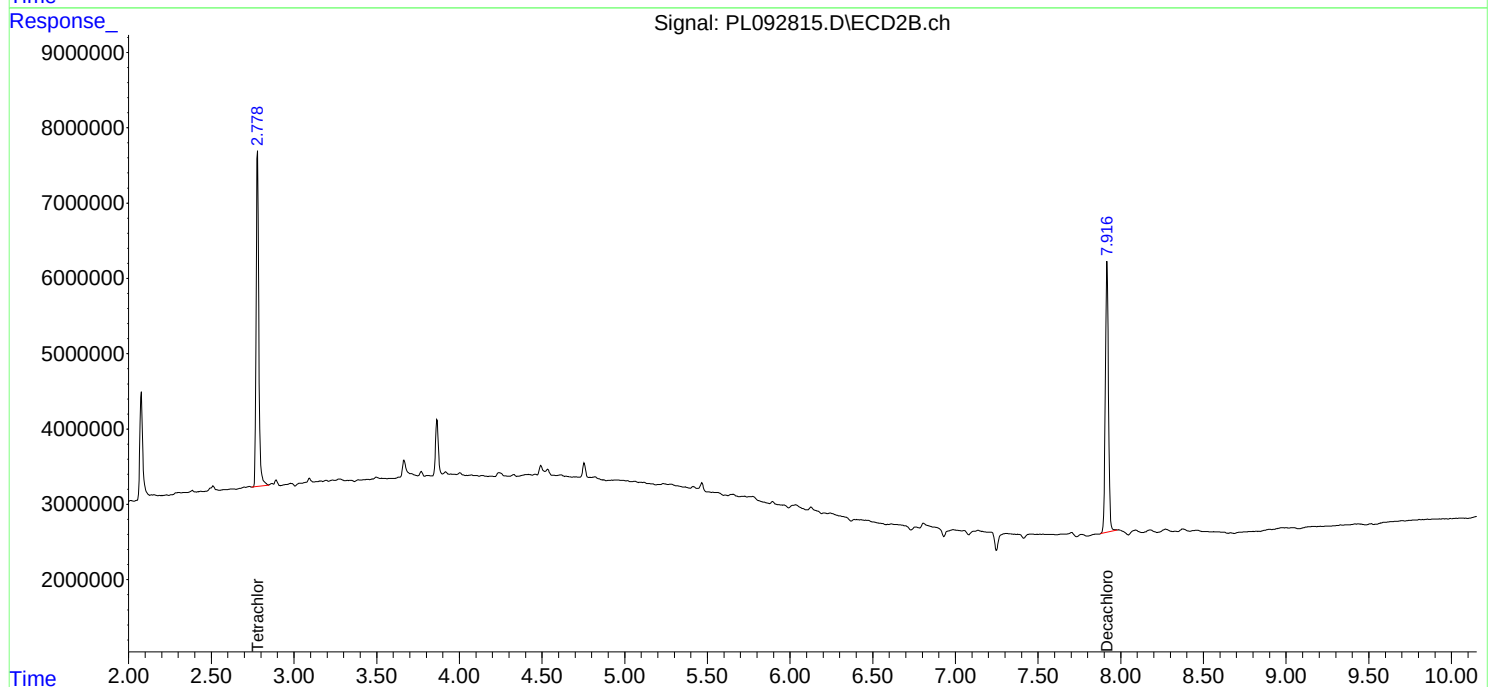
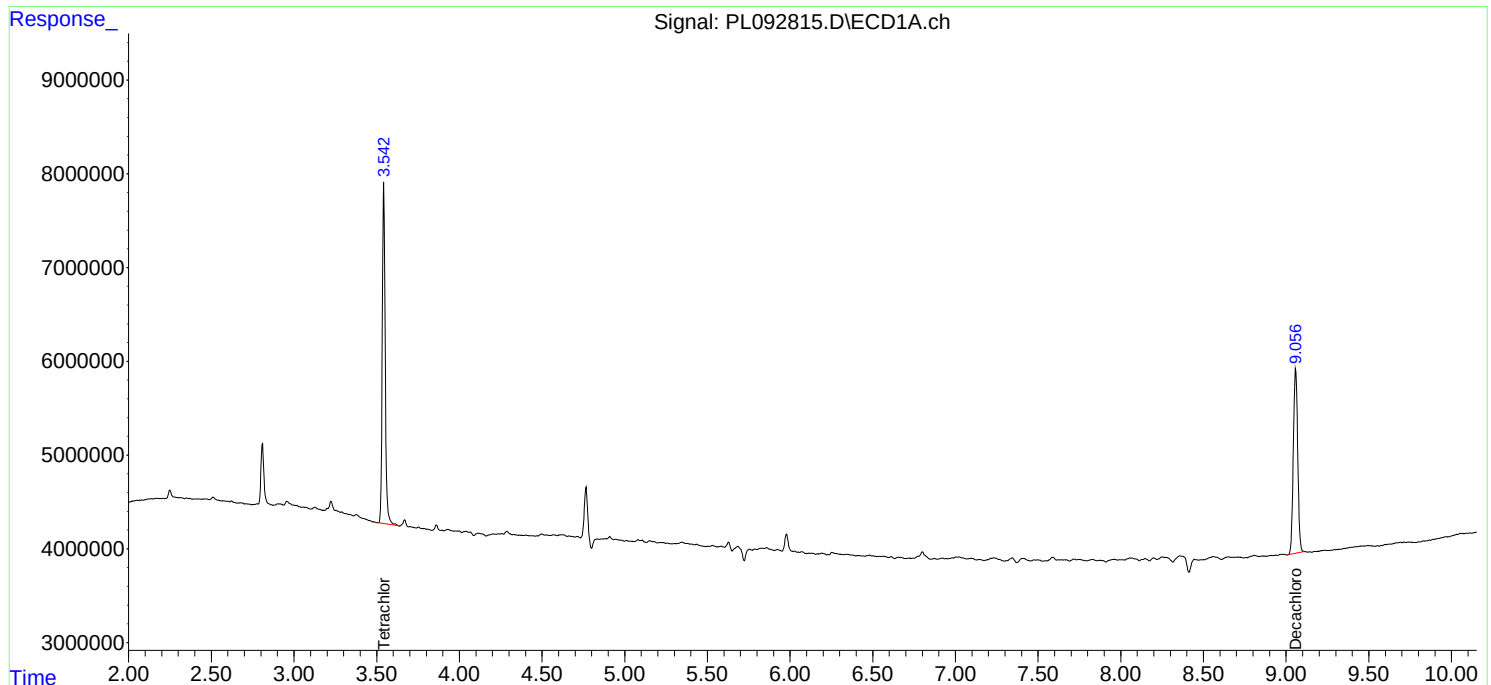
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

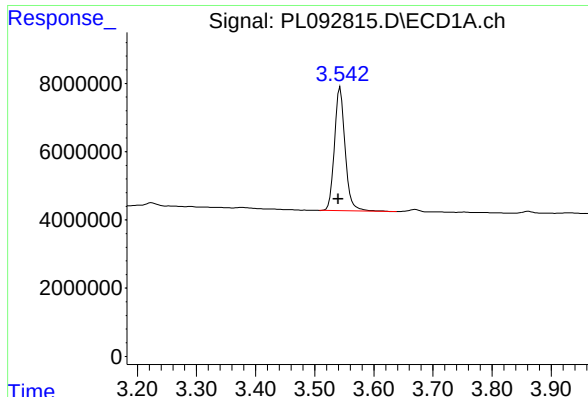
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092815.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 08:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:08:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

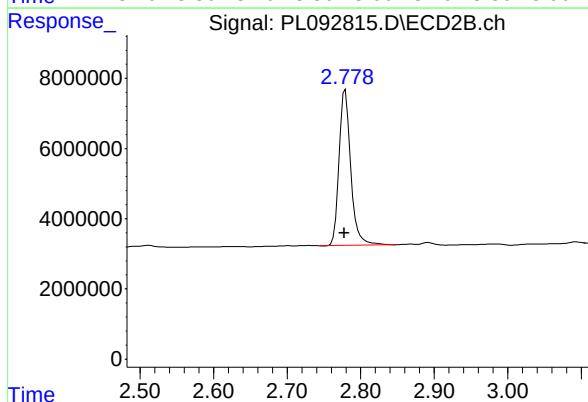




#1 Tetrachloro-m-xylene

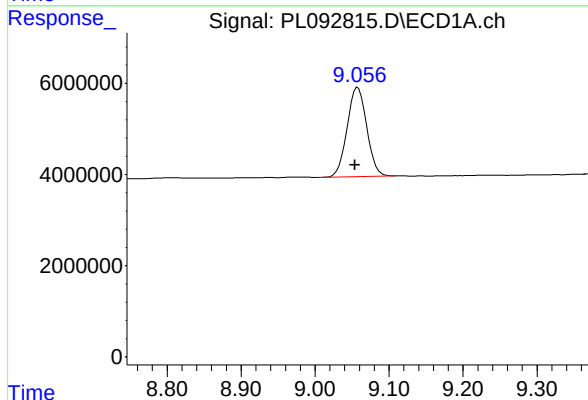
R.T.: 3.543 min
Delta R.T.: 0.003 min
Response: 45462259
Conc: 18.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



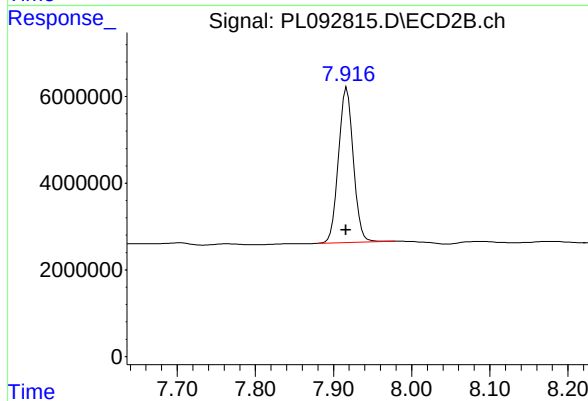
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 49136991
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 36039220
Conc: 18.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 47326062
Conc: 17.34 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	11/04/24	
Project:	NJ Soil PT			Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092838.D			SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092838.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092838.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092838.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092838.D	1		11/04/24	PL110424

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\PL110424\
Data File : PL092838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 17:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.779	45708351	50348320	18.655	18.502
28) SA Decachlor...	9.055	7.917	36287305	49577364	18.855	18.165

Target Compounds

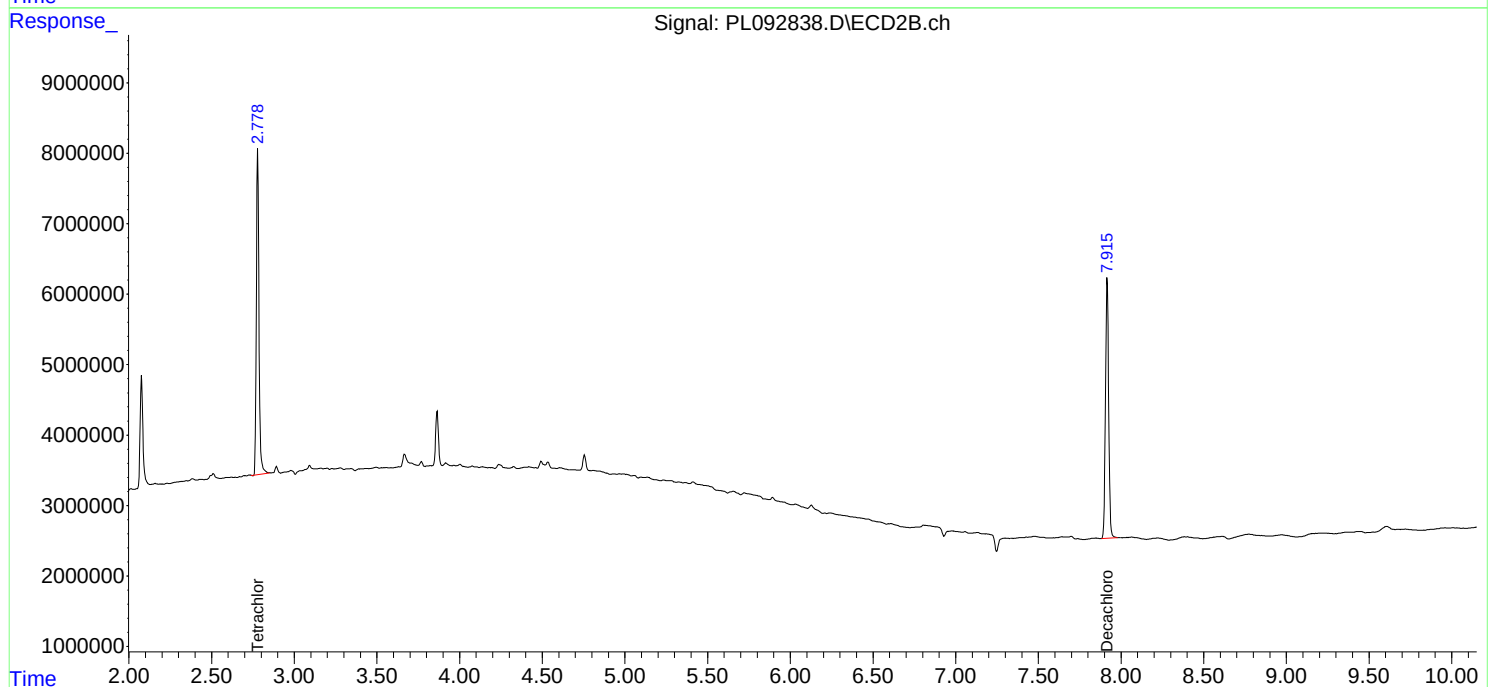
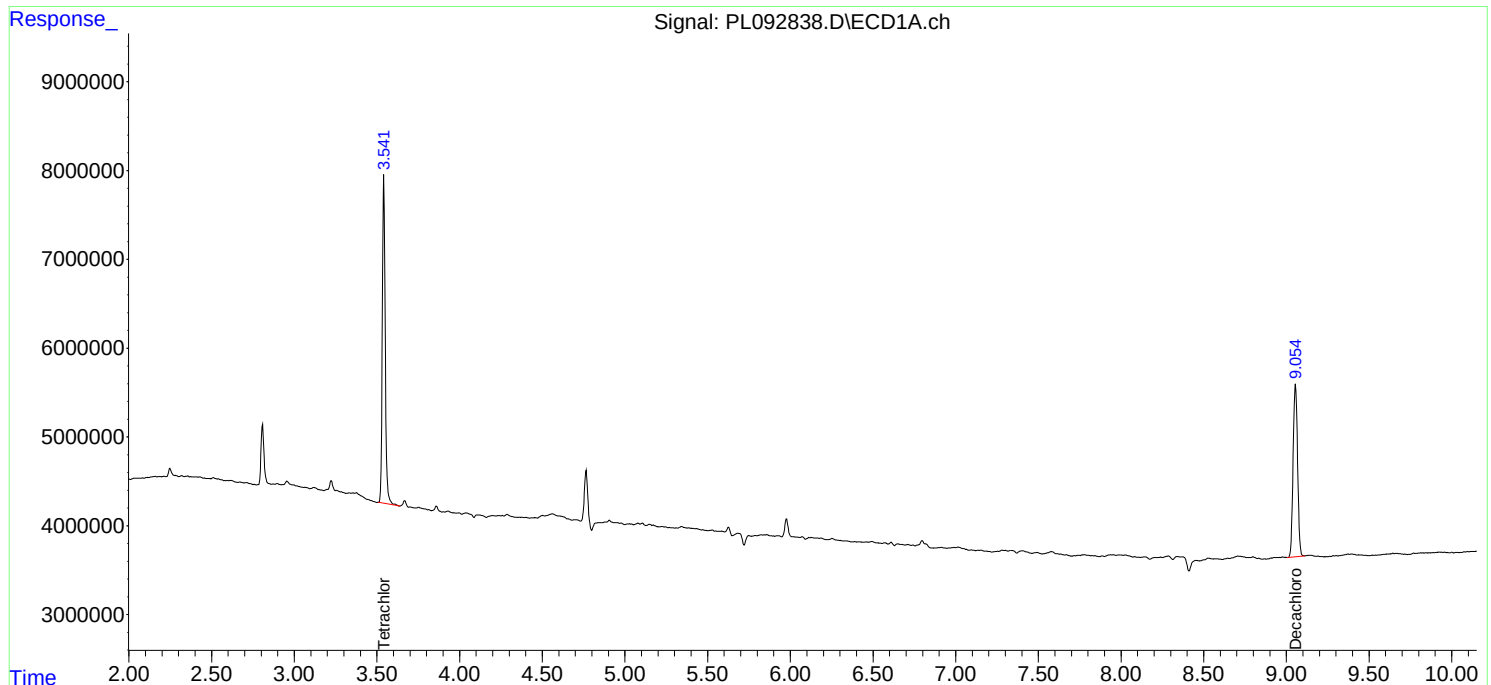
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

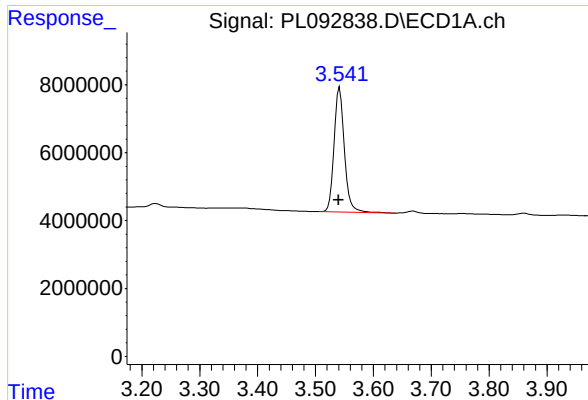
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110424\
Data File : PL092838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2024 17:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 03:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

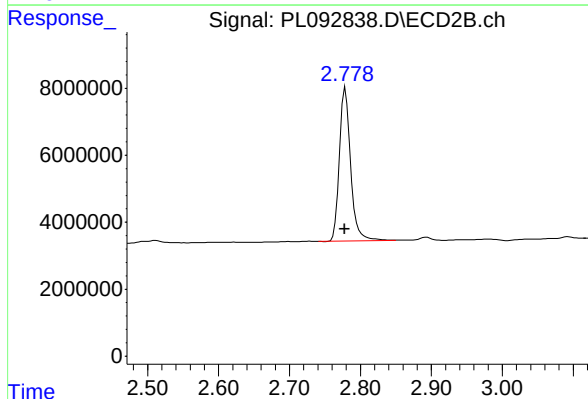




#1 Tetrachloro-m-xylene

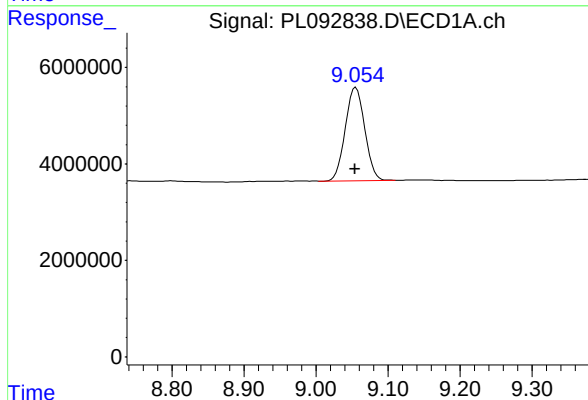
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 45708351
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



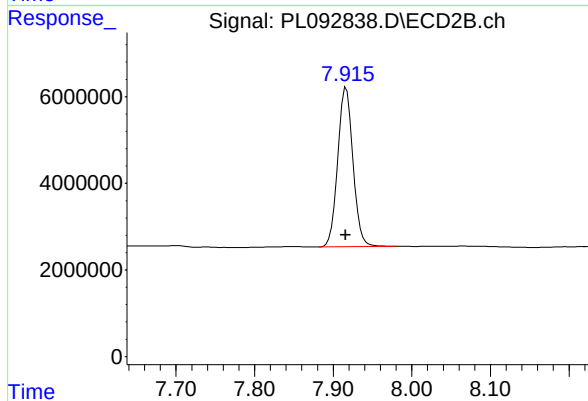
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 50348320
Conc: 18.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 36287305
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 49577364
Conc: 18.17 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164398BS		SDG No.:	P4495
Lab Sample ID:	PB164398BS		Matrix:	SOIL
Analytical Method:	SW8081		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1
Extraction Type:			Injection Volume :	
GPC Factor :	1.0	PH :		
Prep Method :	SW3541B			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.2		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.4		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	16.4		0.15	1.70	ug/kg
72-55-9	4,4-DDE	16.8		0.13	1.70	ug/kg
72-20-8	Endrin	16.1		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	16.3		0.30	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.1		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.8		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		10 - 159	84%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164398BS		SDG No.:	P4495
Lab Sample ID:	PB164398BS		Matrix:	SOIL
Analytical Method:	SW8081		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1
Extraction Type:			Injection Volume :	
GPC Factor :	1.0	PH :		
Prep Method :	SW3541B			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

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\PL102624\
 Data File : PL092641.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 16:59
 Operator : AR\AJ
 Sample : PB164398BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB164398BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:39:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.777	43527501	46572095	16.158	16.768m
28)	SA Decachlor...	9.057	7.918	36667876	51310327	18.053	19.473
Target Compounds							
2)	A alpha-BHC	3.997	3.282	171.1E6	209.1E6	41.526	48.467
3)	MA gamma-BHC...	4.328	3.612	164.8E6	203.2E6	42.845m	49.337
4)	MA Heptachlor	4.917	3.951	151.7E6	201.5E6	42.781m	50.168
5)	MB Aldrin	5.260	4.231	150.0E6	194.4E6	40.774	48.903
6)	B beta-BHC	4.527	3.912	72920304	87472850	46.975	50.100
7)	B delta-BHC	4.774	4.141	161.9E6	204.7E6	43.031	48.665
8)	B Heptachlo...	5.686	4.734	140.2E6	180.2E6	42.209	51.133
9)	A Endosulfan I	6.072	5.103	126.3E6	164.1E6	41.846	51.567
10)	B gamma-Chl...	5.942	4.984	136.9E6	180.7E6	41.513	49.127
11)	B alpha-Chl...	6.022	5.047	134.7E6	177.7E6	41.359	49.992
12)	B 4,4'-DDE	6.195	5.236	122.6E6	175.6E6	41.337	50.492
13)	MA Dieldrin	6.347	5.368	134.6E6	179.6E6	41.398	49.149
14)	MA Endrin	6.575	5.642	114.9E6	158.0E6	40.677m	48.252m
15)	B Endosulfa...	6.796	5.938	118.7E6	152.7E6	41.959	48.860
16)	A 4,4'-DDD	6.712	5.791	103.0E6	138.6E6	42.647	49.879
17)	MA 4,4'-DDT	7.025	6.042	105.9E6	142.2E6	42.927	48.404
18)	B Endrin al...	6.925	6.117	94857980	122.0E6	44.408m	49.678
19)	B Endosulfa...	7.160	6.340	110.4E6	144.5E6	43.699	48.867
20)	A Methoxychlor	7.502	6.617	58398086	75891690	49.586	53.525
21)	B Endrin ke...	7.646	6.846	124.7E6	165.6E6	45.362	51.569
22)	Mirex	8.119	7.024	97749788	134.8E6	46.846	51.577m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092641.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:59
Operator : AR\AJ
Sample : PB164398BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB164398BS

Manual Integrations

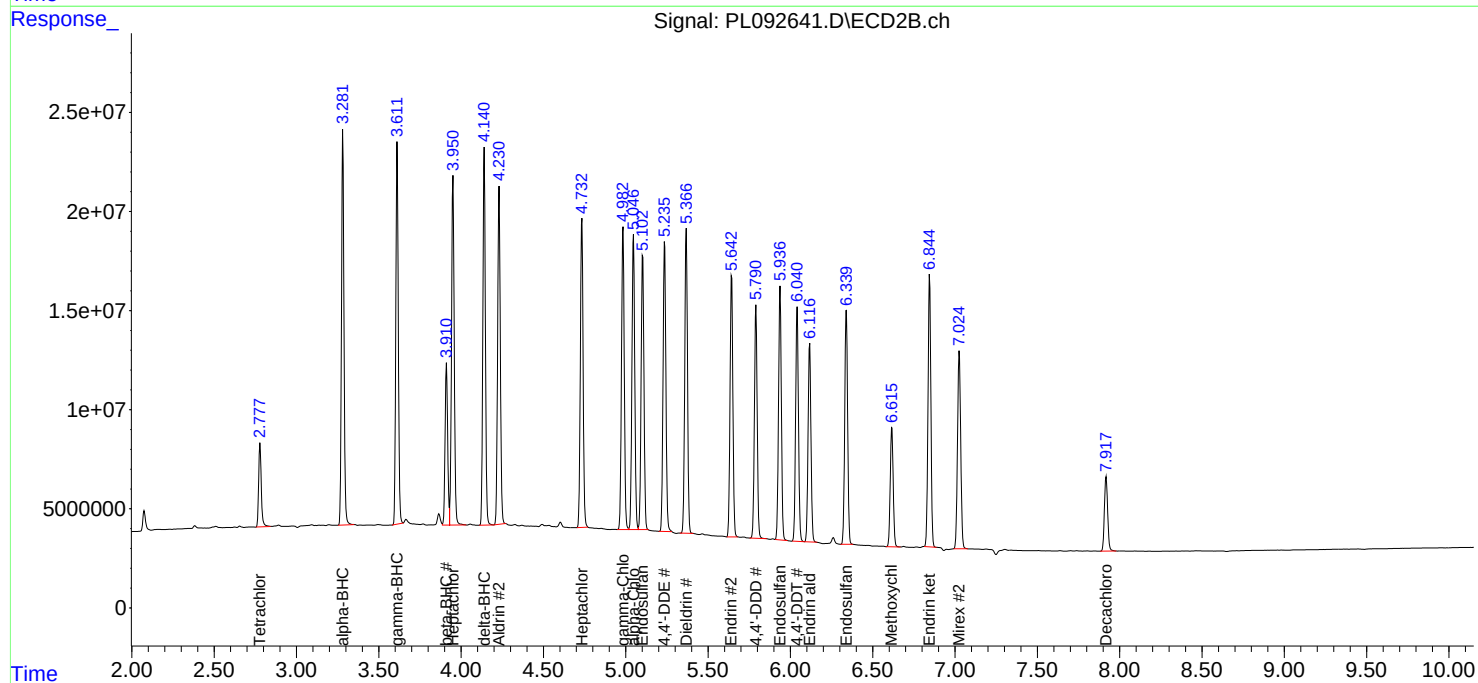
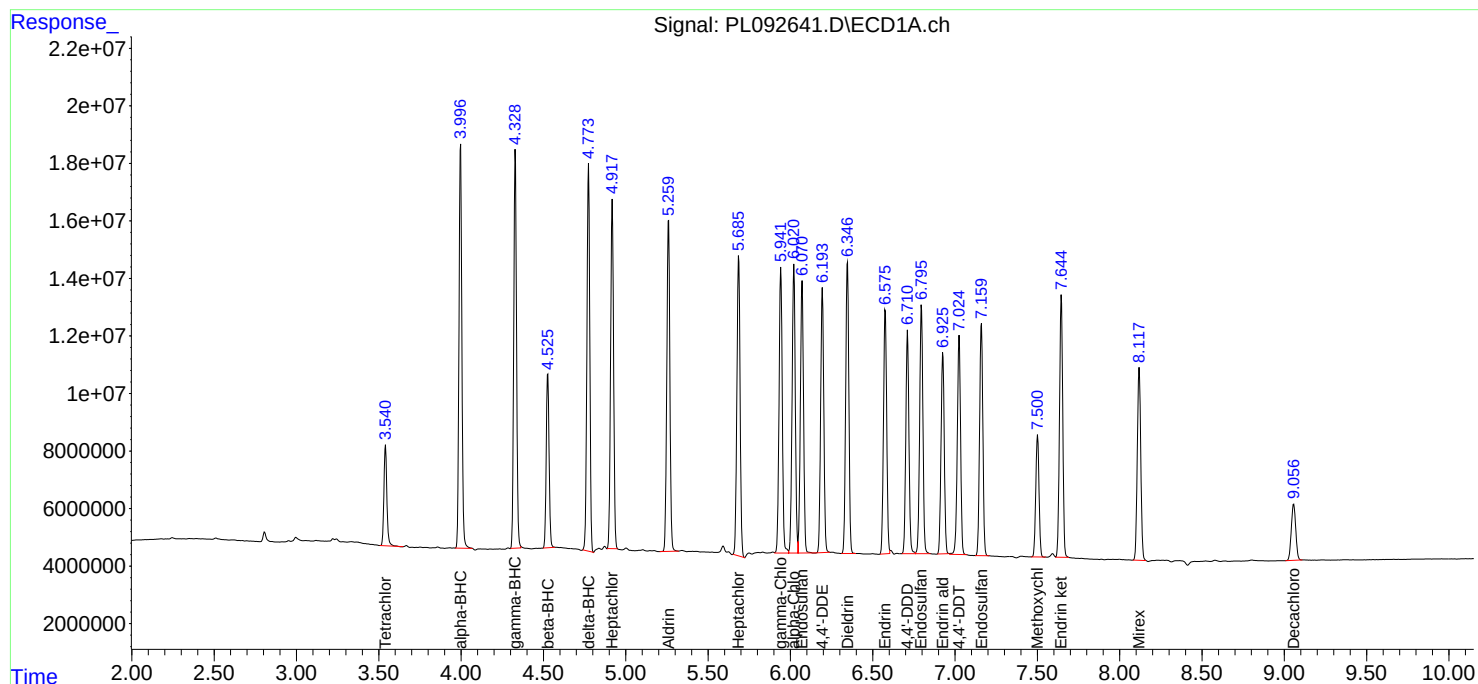
APPROVED

Reviewed By :Abdul Mirza 10/28/2024

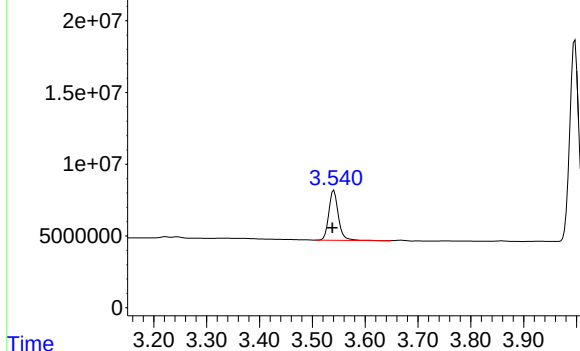
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:39:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092641.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 43527501
Conc: 16.16 ng/ml

Instrument :

ECD_L

ClientSampleId :

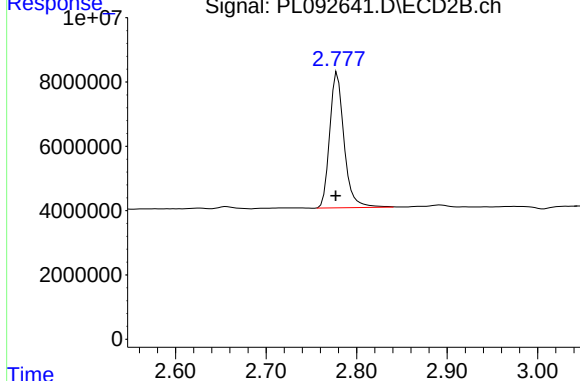
PB164398BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

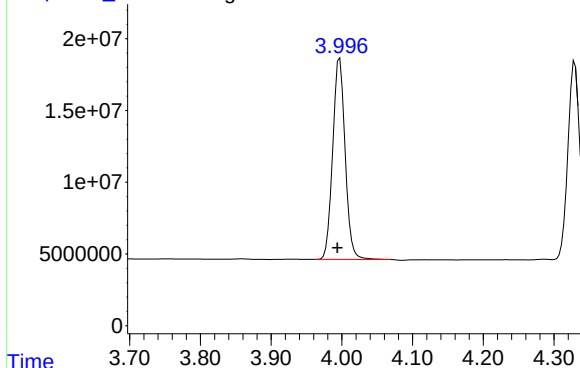
Time Response_ Signal: PL092641.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 46572095
Conc: 16.77 ng/ml m

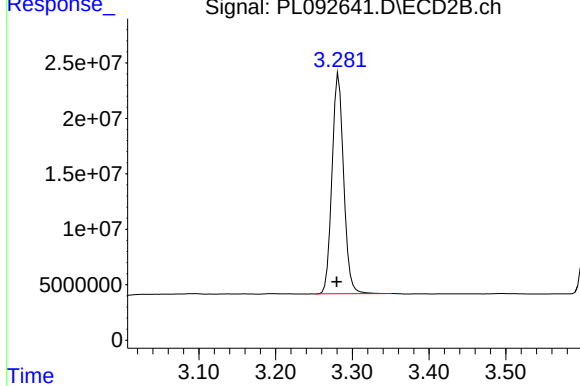
Response_ Signal: PL092641.D\ECD1A.ch



#2 alpha-BHC

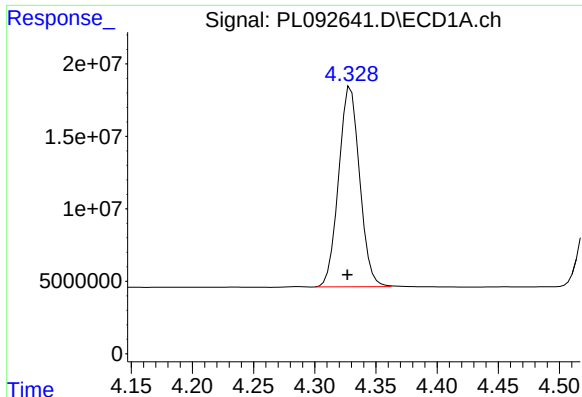
R.T.: 3.997 min
Delta R.T.: 0.003 min
Response: 171139238
Conc: 41.53 ng/ml

Time Response_ Signal: PL092641.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.002 min
Response: 209139263
Conc: 48.47 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.001 min
Response: 164813347
Conc: 42.84 ng/ml

Instrument :

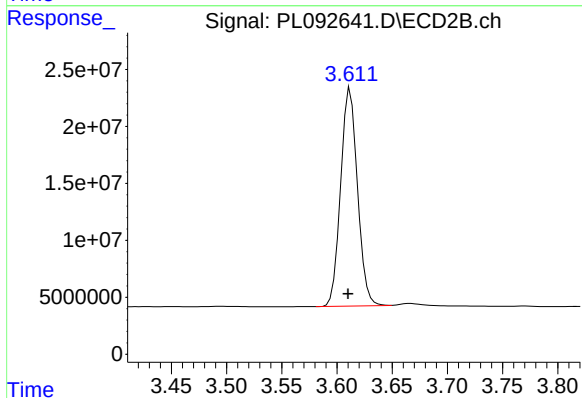
ECD_L

ClientSampleId :

PB164398BS

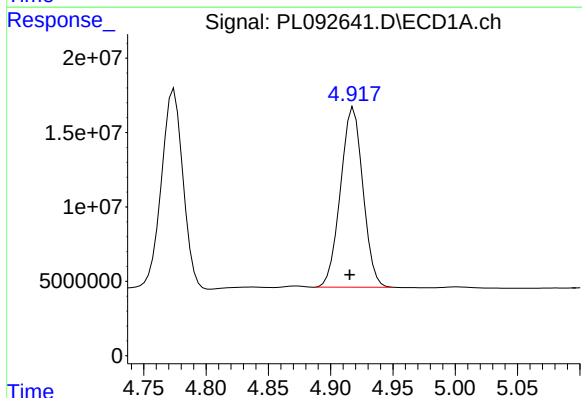
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



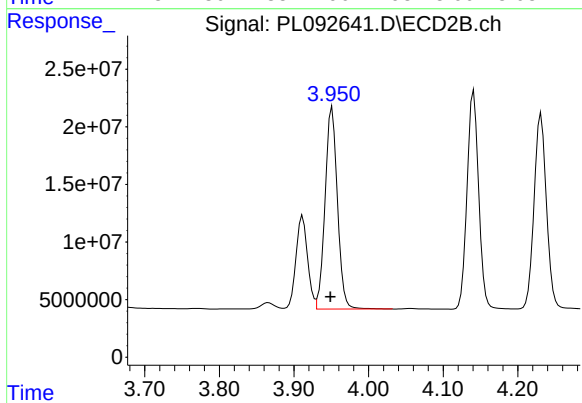
#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 203172374
Conc: 49.34 ng/ml



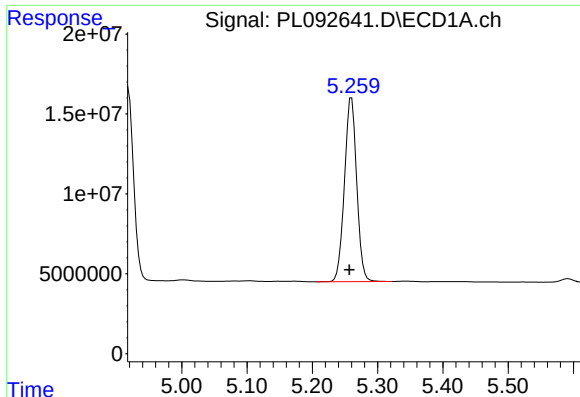
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.002 min
Response: 151688947
Conc: 42.78 ng/ml m



#4 Heptachlor

R.T.: 3.951 min
Delta R.T.: 0.002 min
Response: 201464417
Conc: 50.17 ng/ml



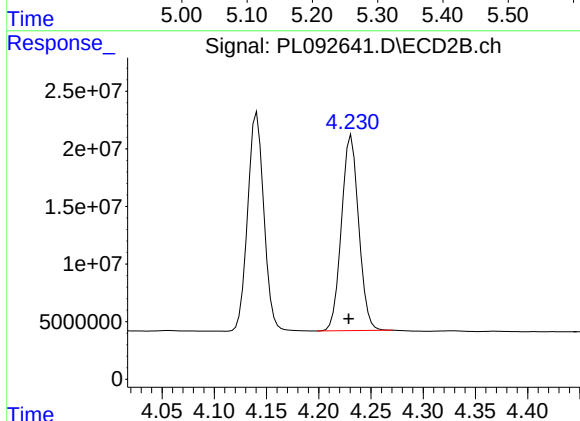
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.003 min
Response: 149995003
Conc: 40.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

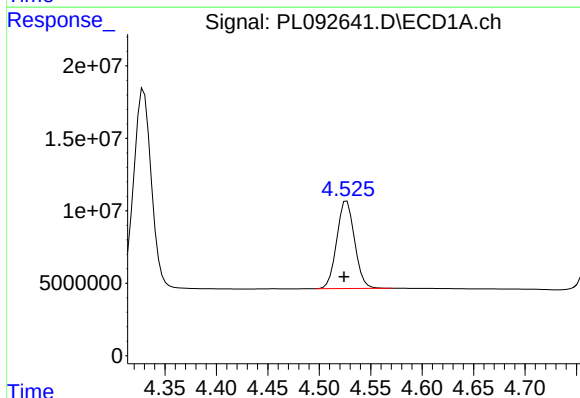
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



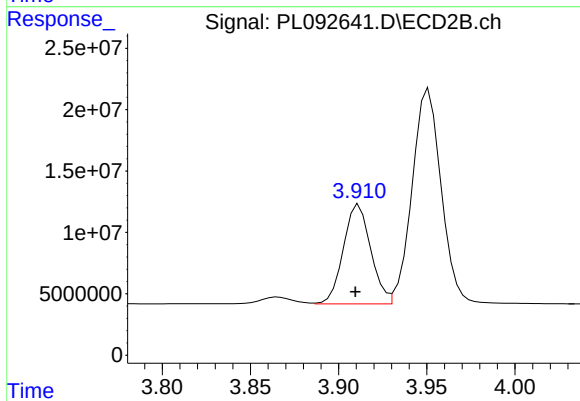
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.003 min
Response: 194413642
Conc: 48.90 ng/ml



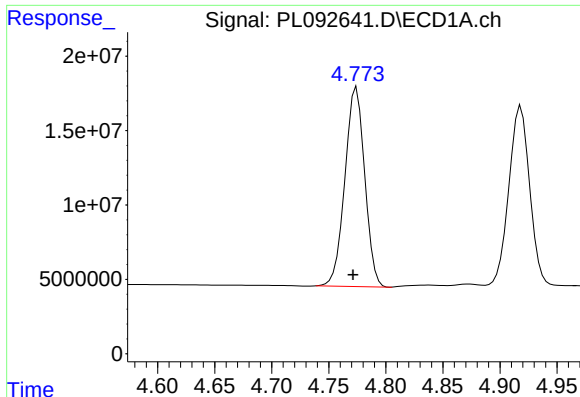
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.003 min
Response: 72920304
Conc: 46.97 ng/ml



#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 87472850
Conc: 50.10 ng/ml



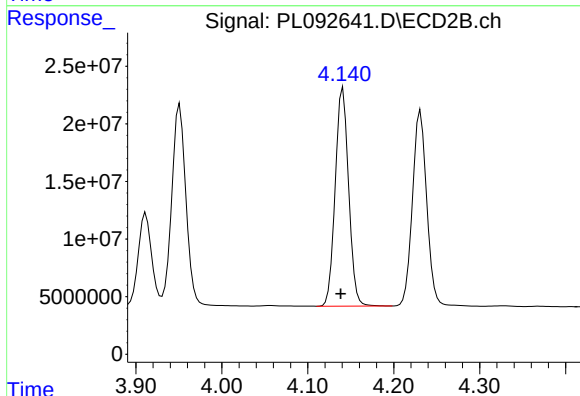
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.003 min
Response: 161882299
Conc: 43.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

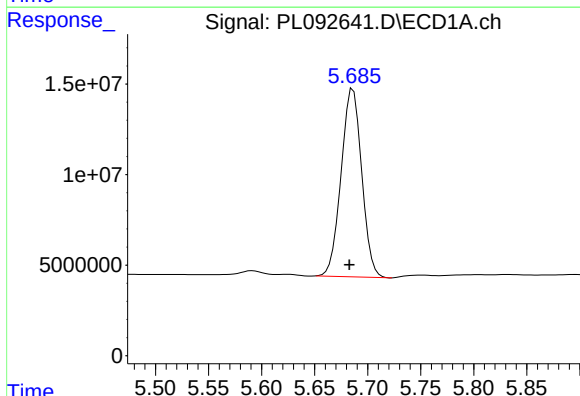
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



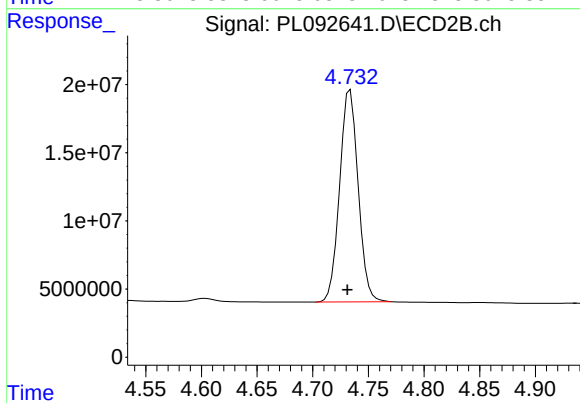
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.003 min
Response: 204696354
Conc: 48.66 ng/ml



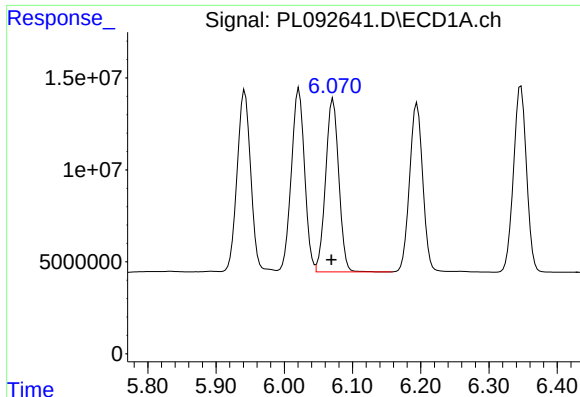
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.003 min
Response: 140165326
Conc: 42.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.734 min
Delta R.T.: 0.002 min
Response: 180167415
Conc: 51.13 ng/ml



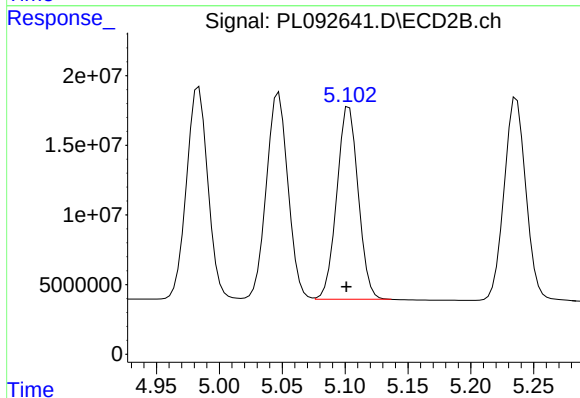
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 126349592
Conc: 41.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

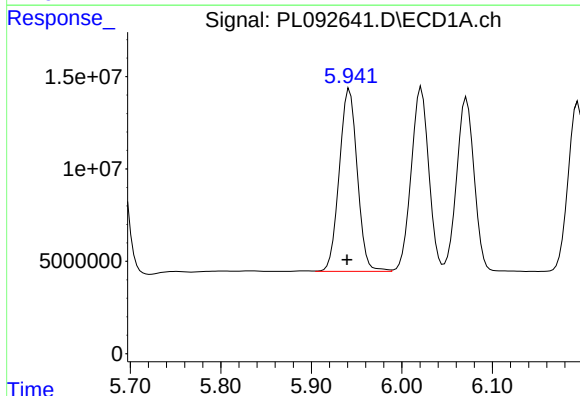
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



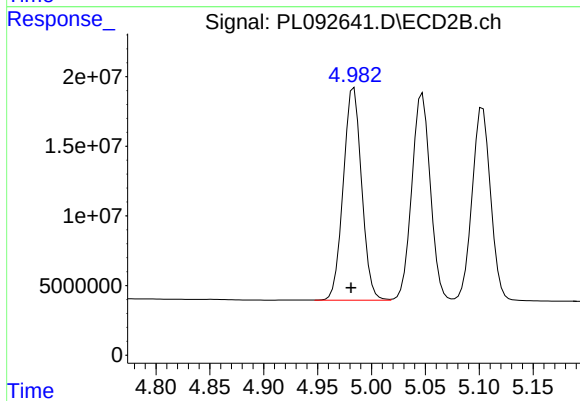
#9 Endosulfan I

R.T.: 5.103 min
Delta R.T.: 0.002 min
Response: 164137906
Conc: 51.57 ng/ml



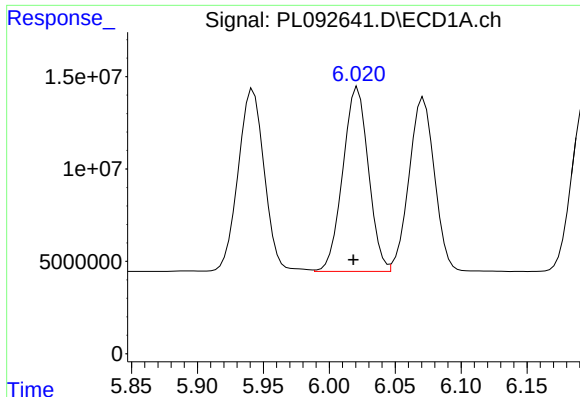
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 136868880
Conc: 41.51 ng/ml



#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.003 min
Response: 180747828
Conc: 49.13 ng/ml



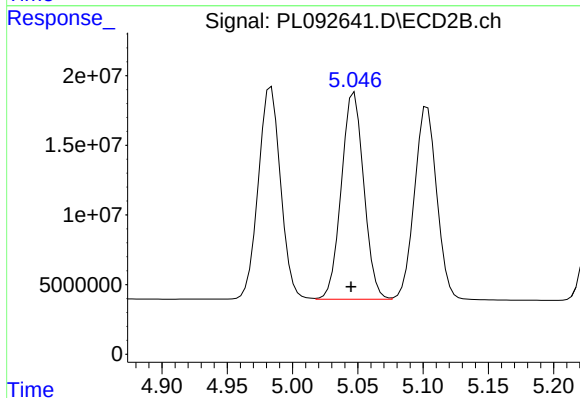
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.003 min
Response: 134682022
Conc: 41.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

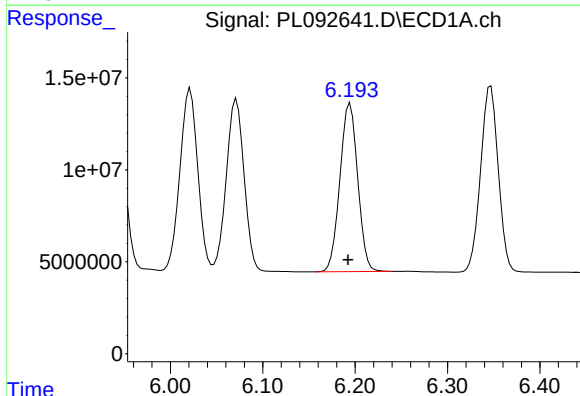
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



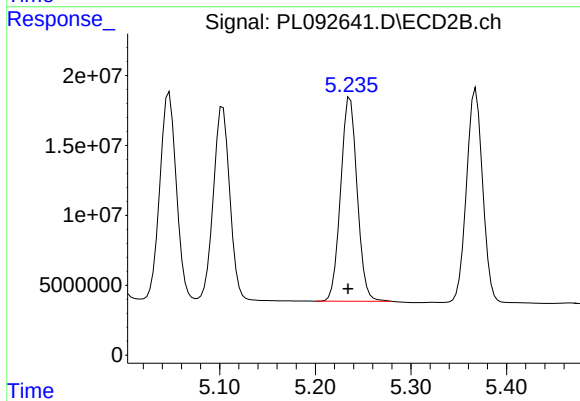
#11 alpha-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.002 min
Response: 177674046
Conc: 49.99 ng/ml



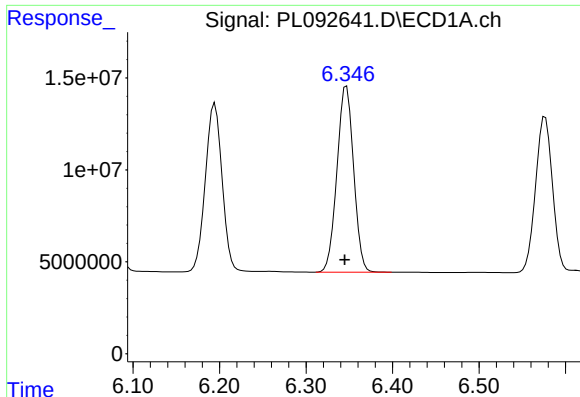
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 122603284
Conc: 41.34 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 175576246
Conc: 50.49 ng/ml



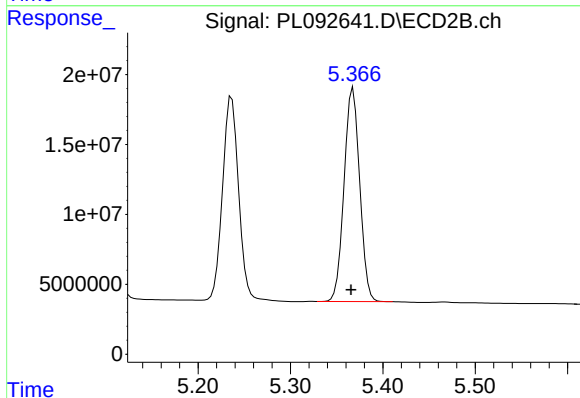
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 134622708
Conc: 41.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

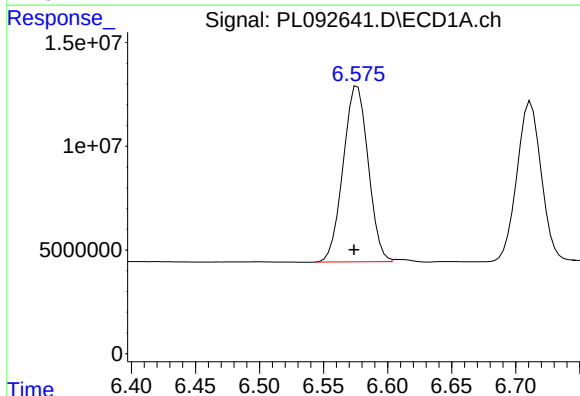
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



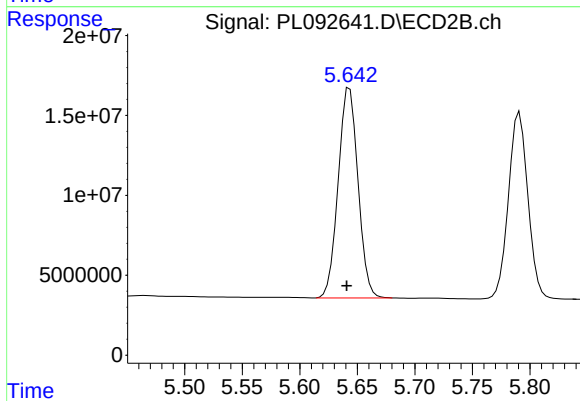
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.002 min
Response: 179607686
Conc: 49.15 ng/ml



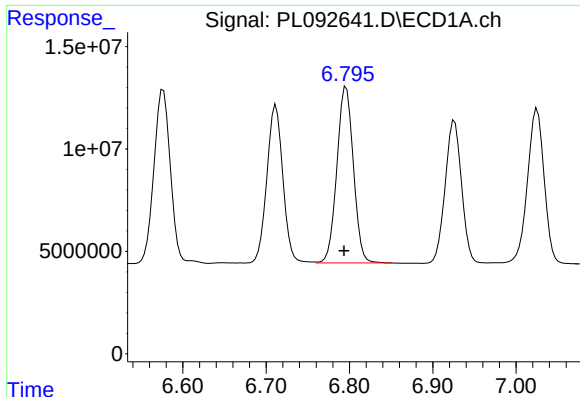
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.001 min
Response: 114861644
Conc: 40.68 ng/ml m



#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 158021918
Conc: 48.25 ng/ml m



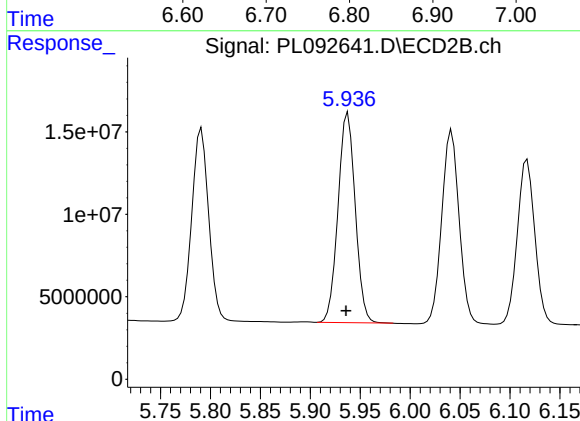
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.002 min
Response: 118734636
Conc: 41.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

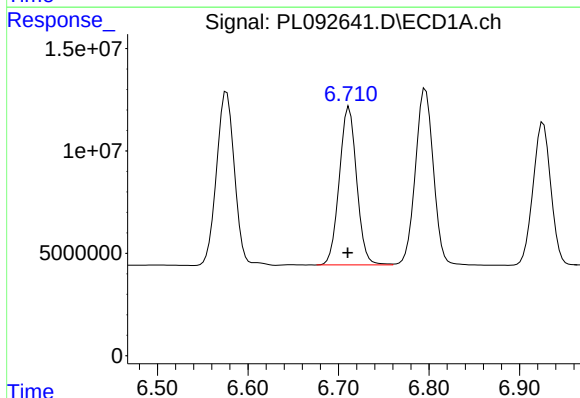
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



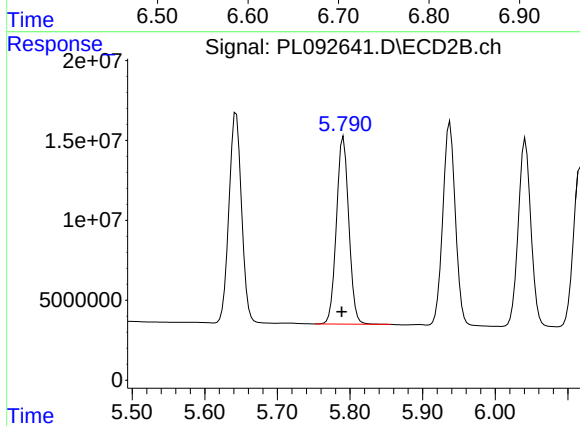
#15 Endosulfan II

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 152747056
Conc: 48.86 ng/ml



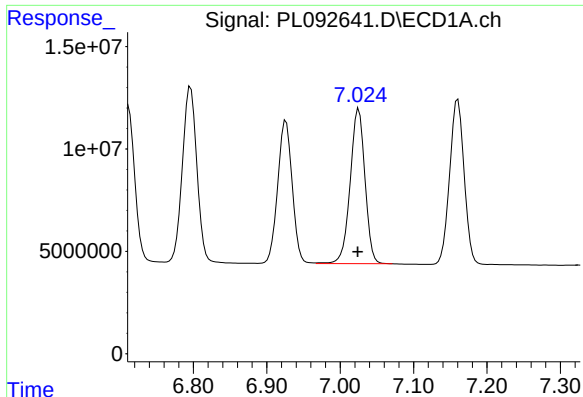
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.002 min
Response: 103034675
Conc: 42.65 ng/ml



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 138575929
Conc: 49.88 ng/ml



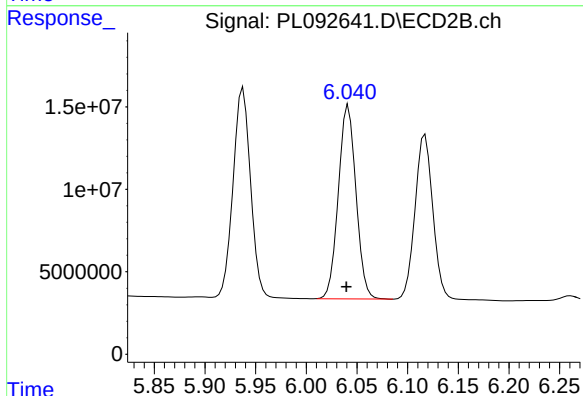
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.001 min
Response: 105860734
Conc: 42.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

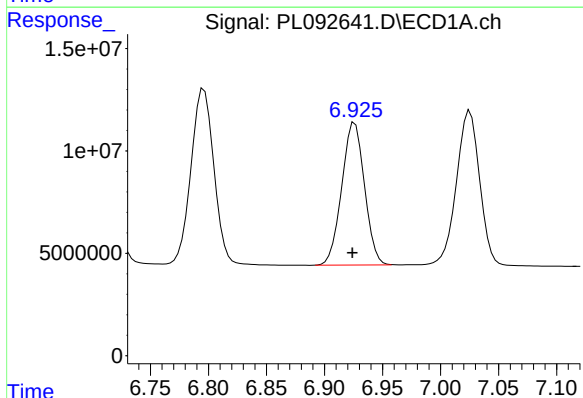
Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



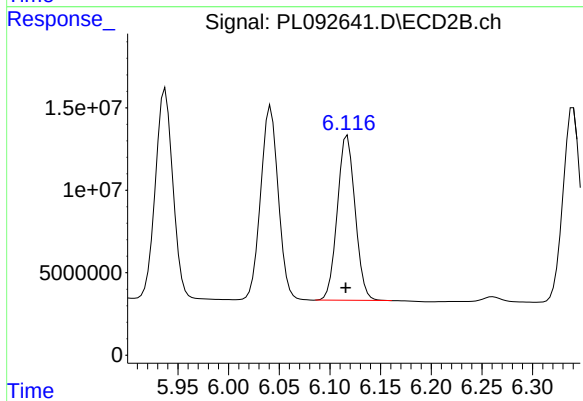
#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 142159293
Conc: 48.40 ng/ml



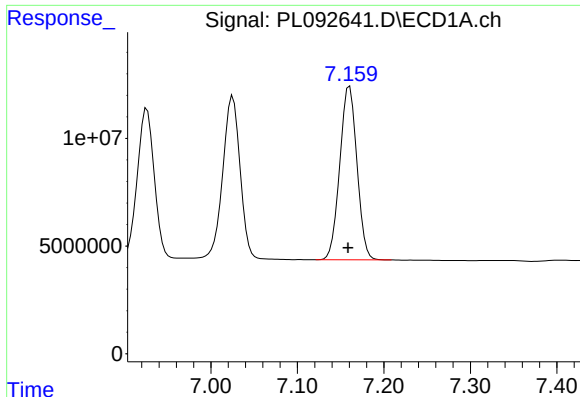
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 94857980
Conc: 44.41 ng/ml m



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 122035463
Conc: 49.68 ng/ml



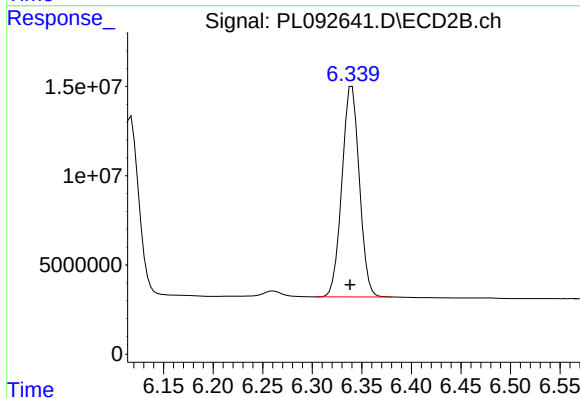
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 110412837
Conc: 43.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

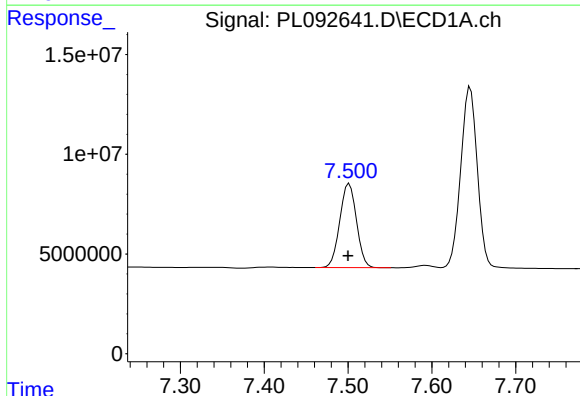
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



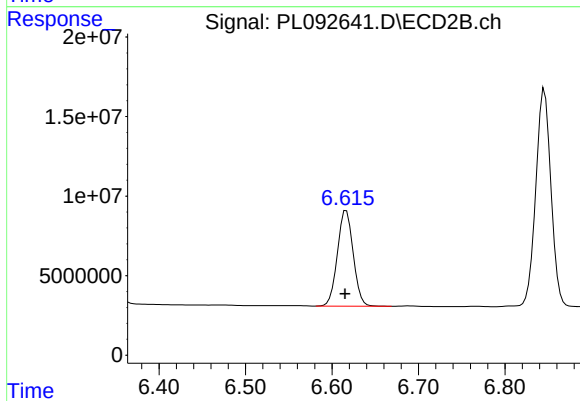
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 144463600
Conc: 48.87 ng/ml



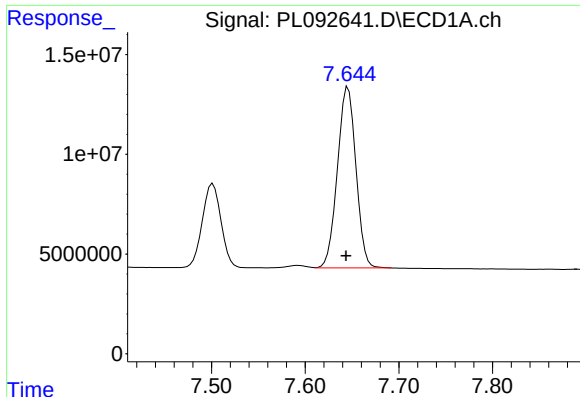
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.001 min
Response: 58398086
Conc: 49.59 ng/ml



#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: 0.002 min
Response: 75891690
Conc: 53.53 ng/ml



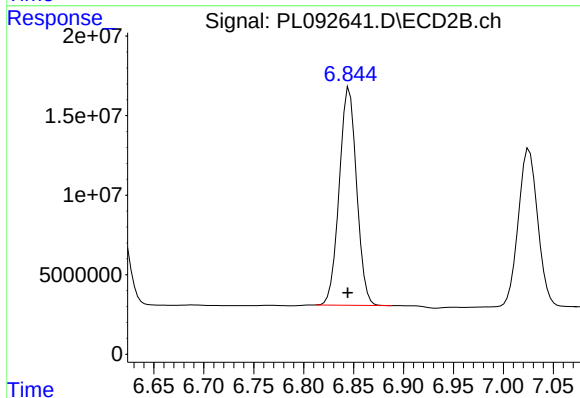
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 124736541
Conc: 45.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

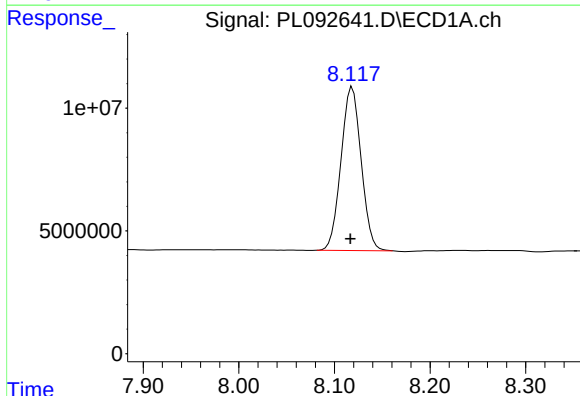
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



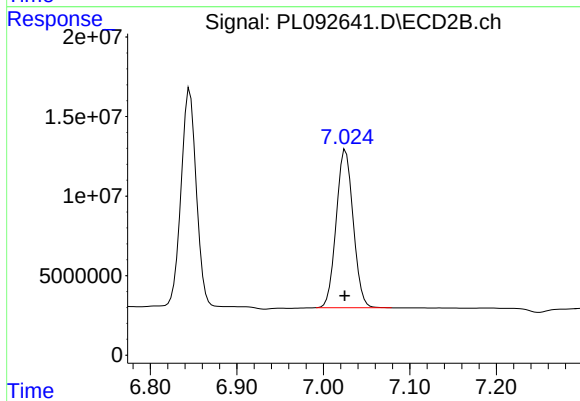
#21 Endrin ketone

R.T.: 6.846 min
Delta R.T.: 0.002 min
Response: 165646527
Conc: 51.57 ng/ml



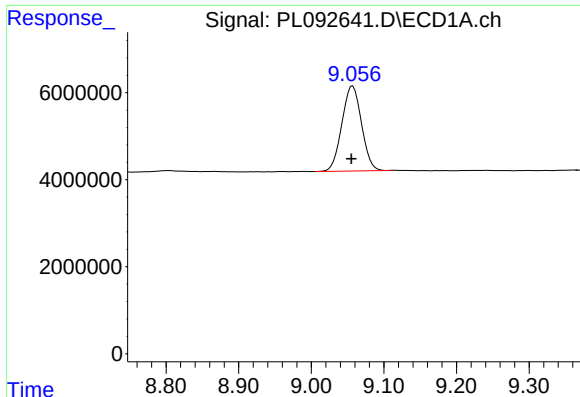
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.002 min
Response: 97749788
Conc: 46.85 ng/ml



#22 Mirex

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 134797682
Conc: 51.58 ng/ml m



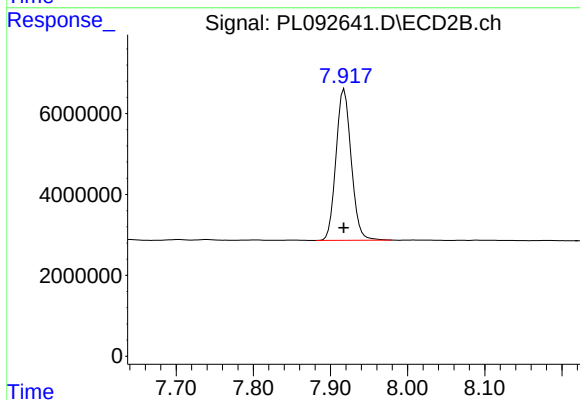
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 36667876
Conc: 18.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164398BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 51310327
Conc: 19.47 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.7		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.4		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.22	2.00	ug/kg
76-44-8	Heptachlor	17.8		0.20	2.00	ug/kg
309-00-2	Aldrin	16.6		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	16.6		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.4		0.15	2.00	ug/kg
72-20-8	Endrin	16.1		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.3		0.35	2.00	ug/kg
72-54-8	4,4-DDD	16.2		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.2		0.20	2.00	ug/kg
72-43-5	Methoxychlor	16.9		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.6		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.7		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		10 - 148	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		10 - 159	80%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

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\PL102624\
 Data File : PL092647.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 18:42
 Operator : AR\AJ
 Sample : P4547-05MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 BP-F-20MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:45:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.779	40950735	44373094	15.202m	15.976
28)	SA Decachlor...	9.057	7.918	31785218	37855363	15.649	14.367
Target Compounds							
2)	A alpha-BHC	3.997	3.282	159.9E6	193.7E6	38.806	44.900
3)	MA gamma-BHC...	4.329	3.612	149.0E6	182.8E6	38.744	44.385
4)	MA Heptachlor	4.917	3.951	139.8E6	186.2E6	39.431	46.369
5)	MB Aldrin	5.259	4.231	137.9E6	171.3E6	37.486	43.082
6)	B beta-BHC	4.526	3.911	67965014	80649687	43.783	46.192
7)	B delta-BHC	4.774	4.140	141.7E6	179.9E6	37.661	42.764
8)	B Heptachlo...	5.686	4.733	125.6E6	157.1E6	37.810	44.588
9)	A Endosulfan I	6.071	5.103	114.5E6	148.2E6	37.933	46.558
10)	B gamma-Chl...	5.942	4.984	124.1E6	164.8E6	37.654	44.797
11)	B alpha-Chl...	6.021	5.047	122.7E6	163.9E6	37.668	46.116
12)	B 4,4'-DDE	6.194	5.236	111.1E6	157.7E6	37.458	45.343
13)	MA Dieldrin	6.346	5.367	121.5E6	158.0E6	37.374	43.247
14)	MA Endrin	6.577	5.643	100.8E6	137.2E6	35.696	41.887
15)	B Endosulfa...	6.796	5.938	108.8E6	132.4E6	38.444	42.336
16)	A 4,4'-DDD	6.711	5.790	93539181	117.2E6	38.717	42.190m
17)	MA 4,4'-DDT	7.026	6.041	94891830	123.8E6	38.479	42.153
18)	B Endrin al...	6.925	6.117	82835782	102.9E6	38.779m	41.871
19)	B Endosulfa...	7.160	6.340	99682557	123.2E6	39.453	41.687
20)	A Methoxychlor	7.501	6.616	51248350	62174799	43.515	43.851
21)	B Endrin ke...	7.646	6.845	110.5E6	138.6E6	40.185	43.151
22)	Mirex	8.118	7.025	83777830	107.3E6	40.150	41.058m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 18:42
Operator : AR\AJ
Sample : P4547-05MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

BP-F-20MS

Manual Integrations

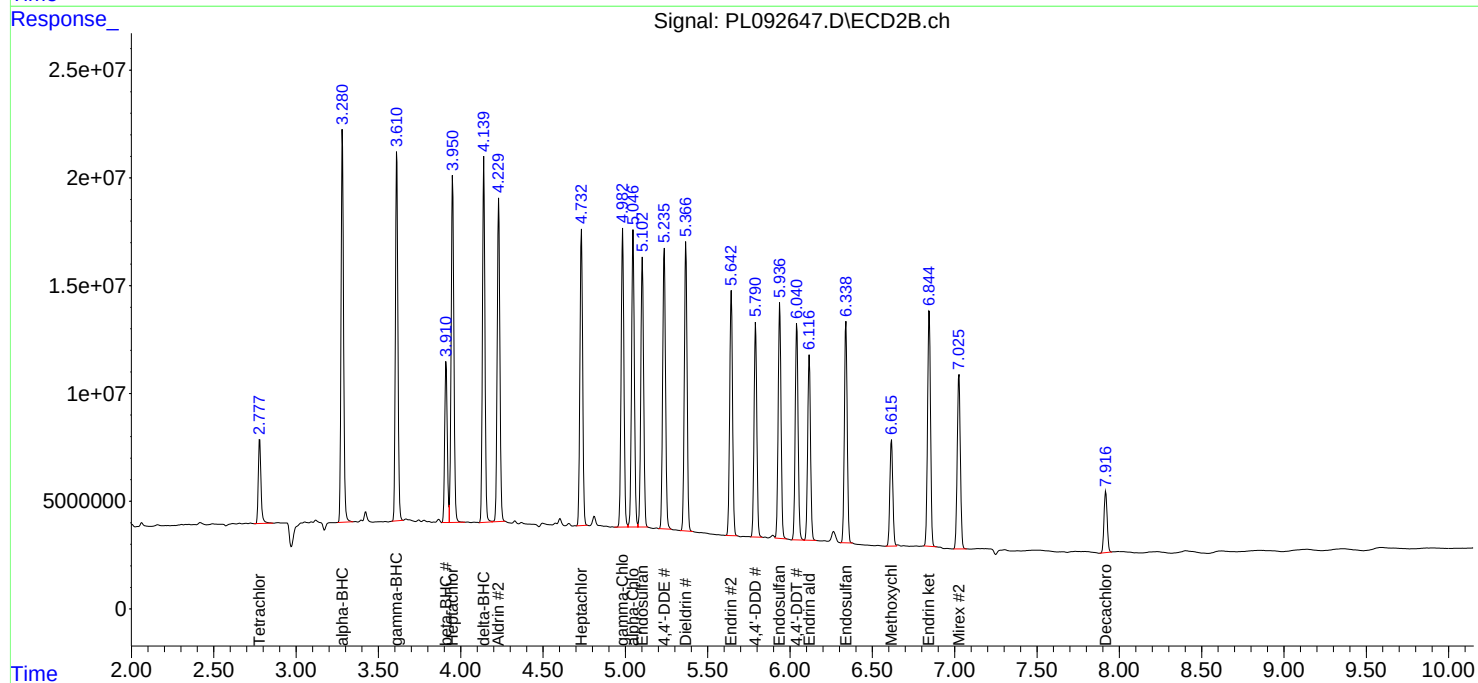
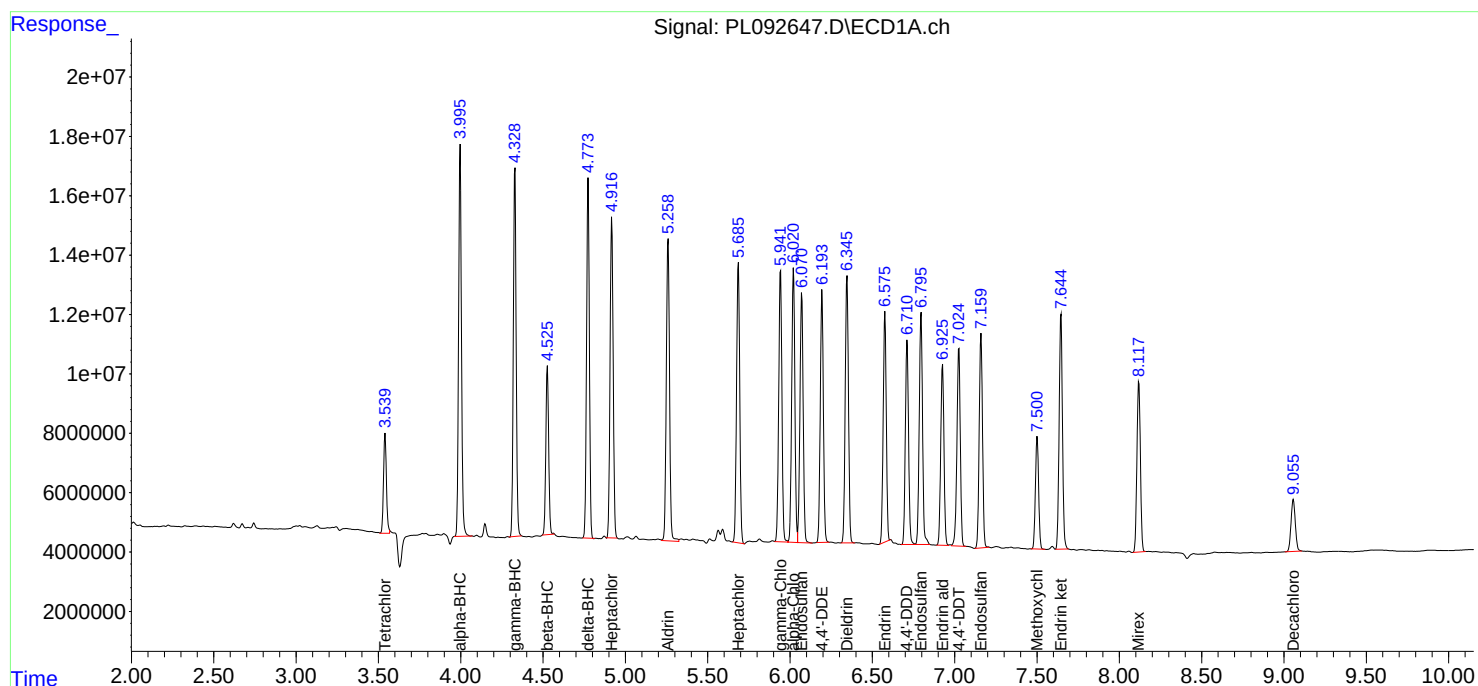
APPROVED

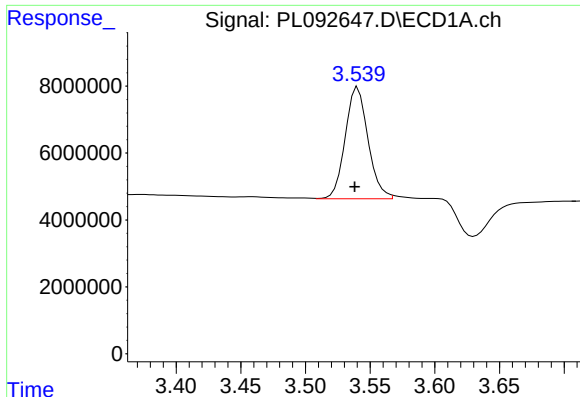
Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:45:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





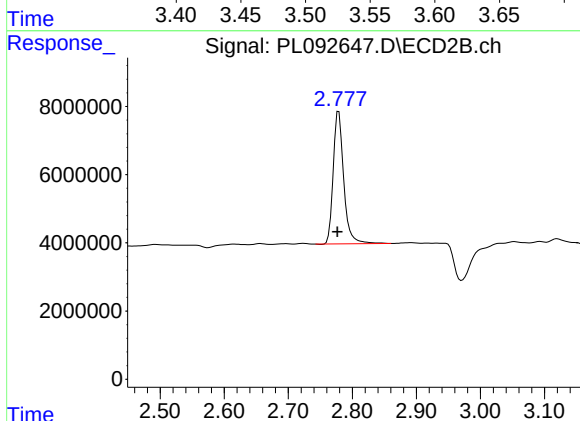
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 40950735
Conc: 15.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

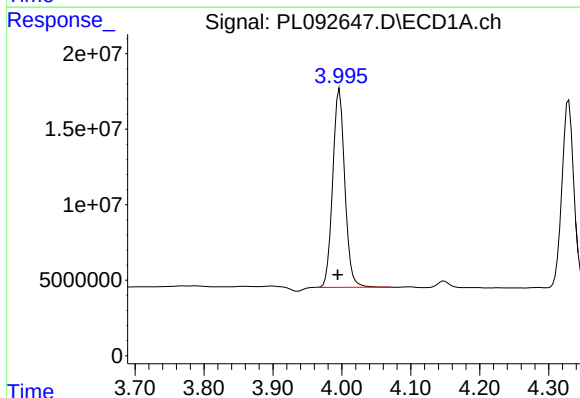
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



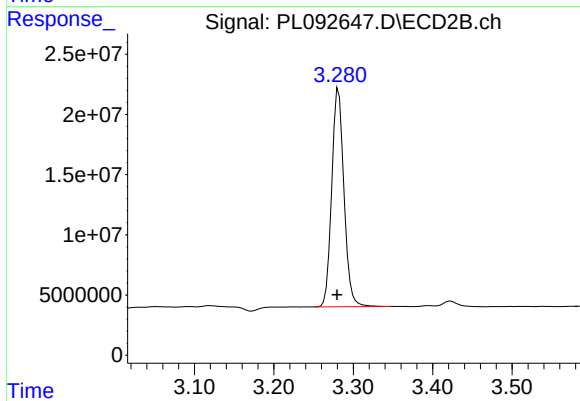
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 44373094
Conc: 15.98 ng/ml



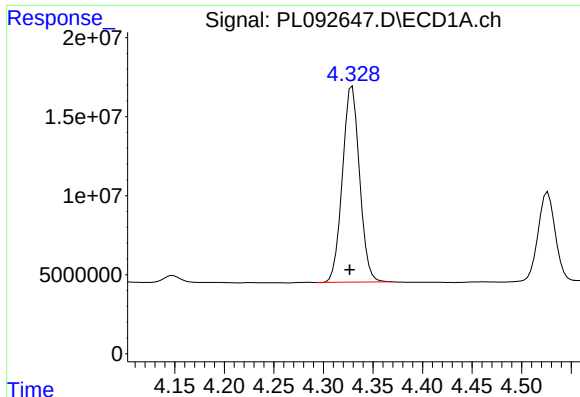
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.003 min
Response: 159930667
Conc: 38.81 ng/ml



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.002 min
Response: 193747344
Conc: 44.90 ng/ml



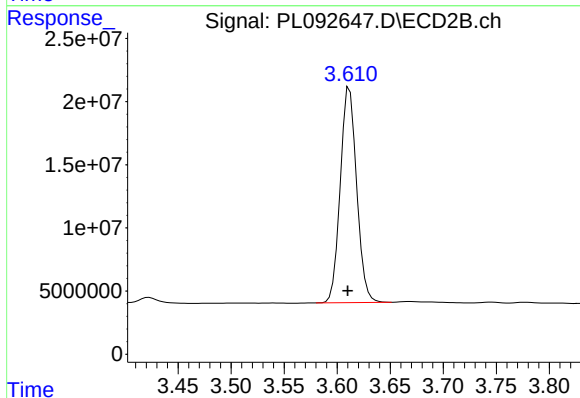
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 149037334
Conc: 38.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

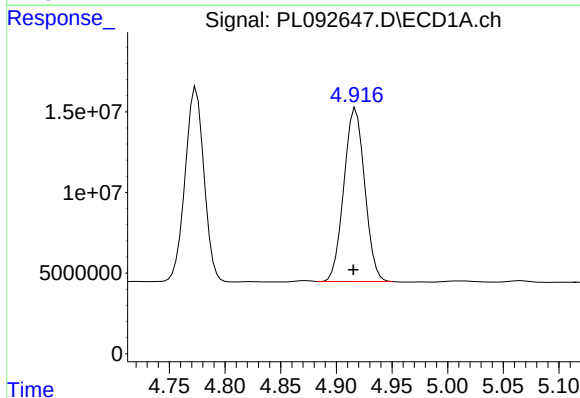
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



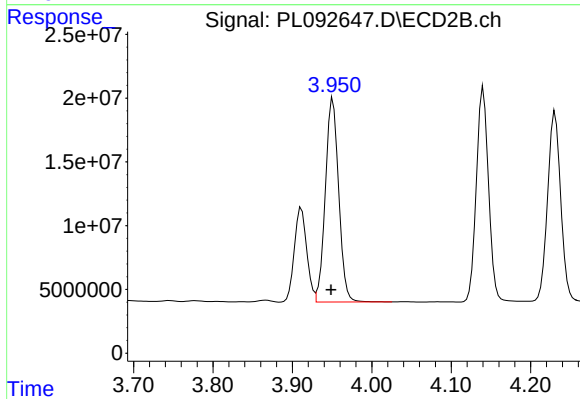
#3 gamma-BHC (Lindane)

R.T.: 3.612 min
Delta R.T.: 0.002 min
Response: 182777752
Conc: 44.38 ng/ml



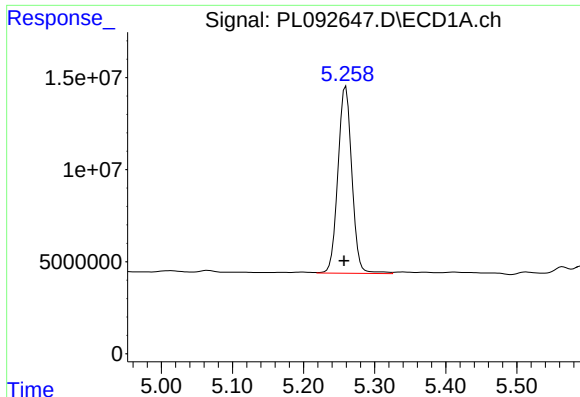
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.002 min
Response: 139810409
Conc: 39.43 ng/ml



#4 Heptachlor

R.T.: 3.951 min
Delta R.T.: 0.002 min
Response: 186205026
Conc: 46.37 ng/ml



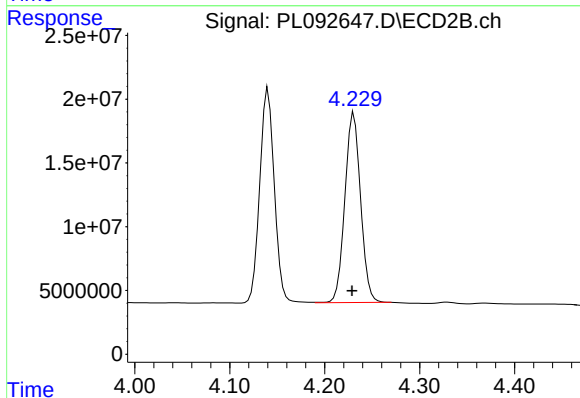
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.003 min
Response: 137897207
Conc: 37.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

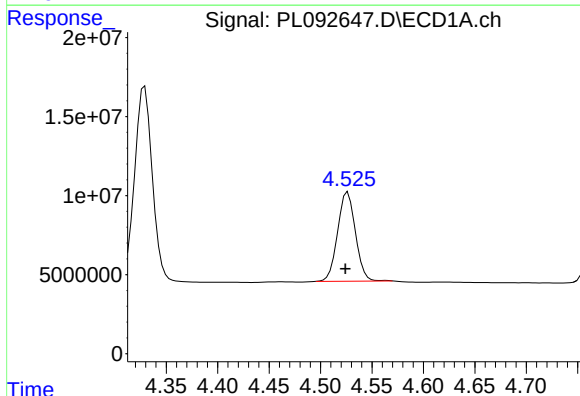
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



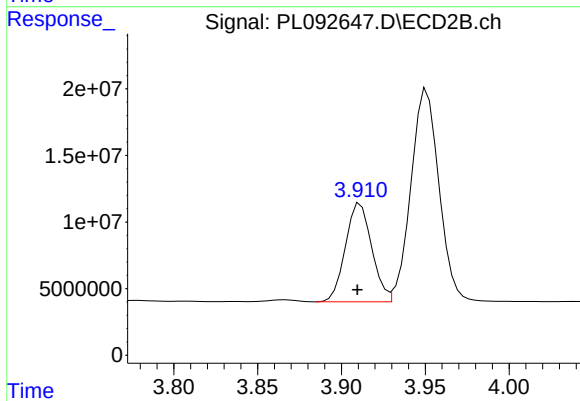
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.002 min
Response: 171272495
Conc: 43.08 ng/ml



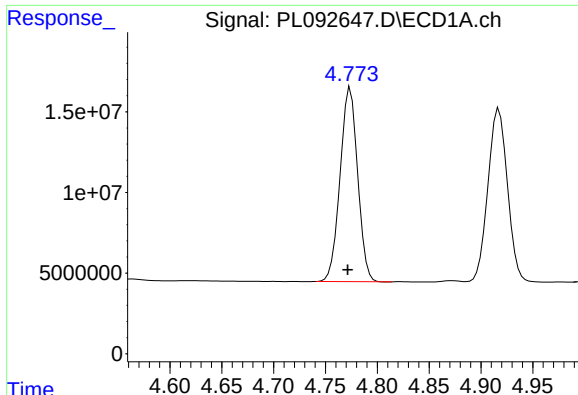
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.002 min
Response: 67965014
Conc: 43.78 ng/ml



#6 beta-BHC

R.T.: 3.911 min
Delta R.T.: 0.002 min
Response: 80649687
Conc: 46.19 ng/ml



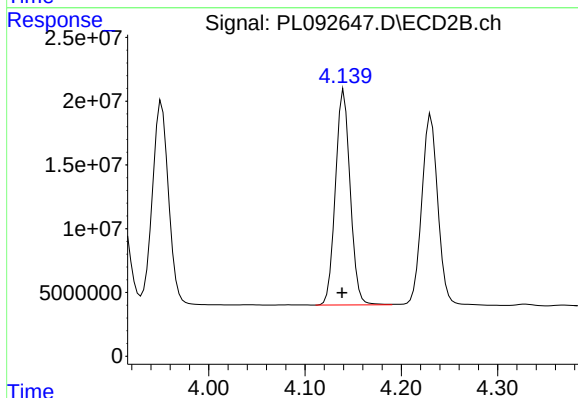
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.003 min
Response: 141681842
Conc: 37.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

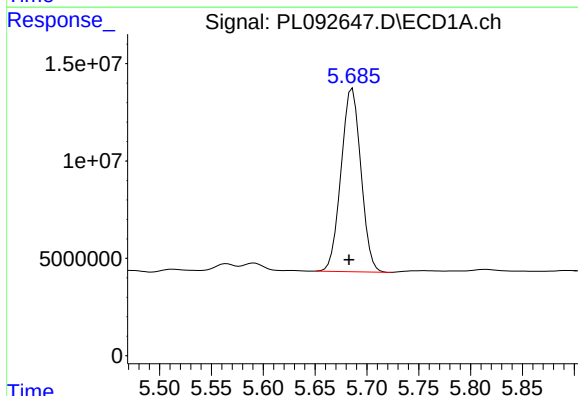
Manual Integrations
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Supervised By :Ankita Jodhani 10/28/2024



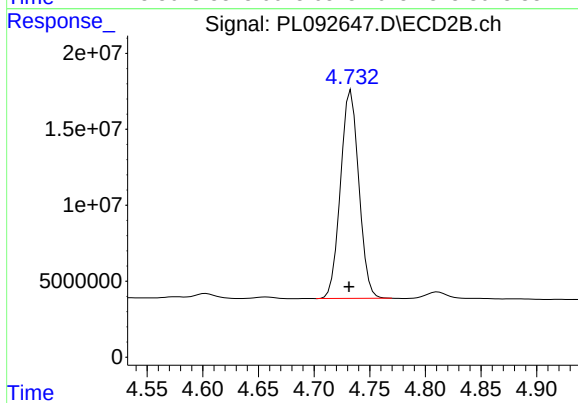
#7 delta-BHC

R.T.: 4.140 min
Delta R.T.: 0.002 min
Response: 179874416
Conc: 42.76 ng/ml



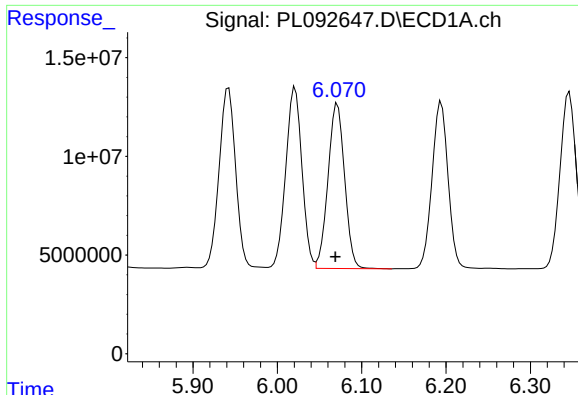
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.003 min
Response: 125556417
Conc: 37.81 ng/ml



#8 Heptachlor epoxide

R.T.: 4.733 min
Delta R.T.: 0.002 min
Response: 157108769
Conc: 44.59 ng/ml



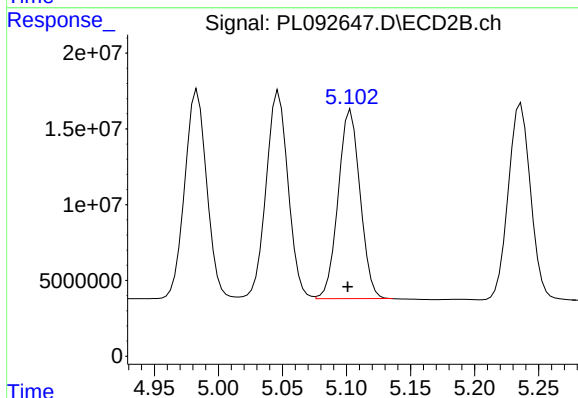
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.002 min
Response: 114534915
Conc: 37.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

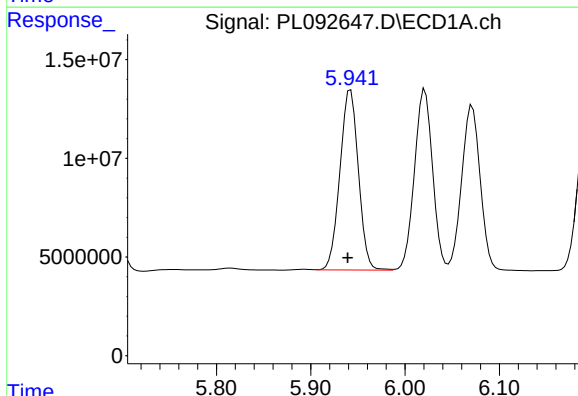
Manual Integrations
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Supervised By :Ankita Jodhani 10/28/2024



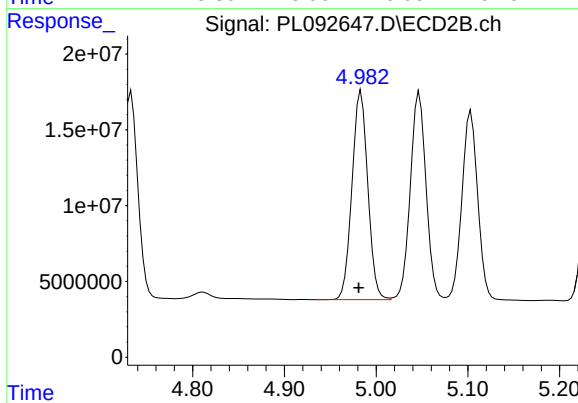
#9 Endosulfan I

R.T.: 5.103 min
Delta R.T.: 0.002 min
Response: 148194246
Conc: 46.56 ng/ml



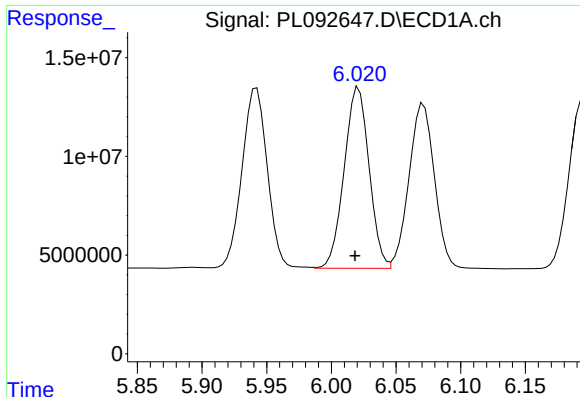
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 124143554
Conc: 37.65 ng/ml



#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.003 min
Response: 164817975
Conc: 44.80 ng/ml



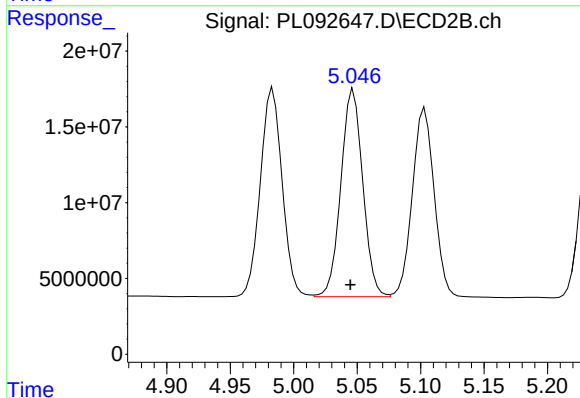
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.003 min
Response: 122661386
Conc: 37.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

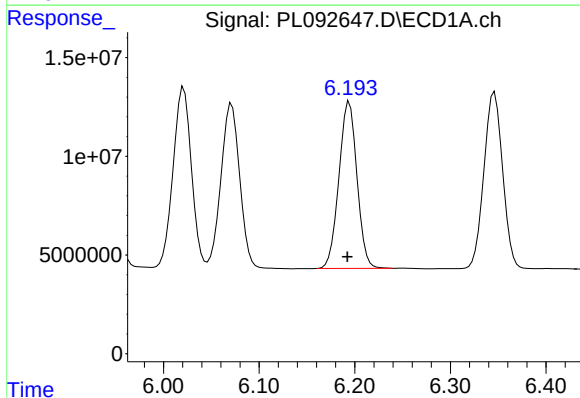
Manual Integrations
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Supervised By :Ankita Jodhani 10/28/2024



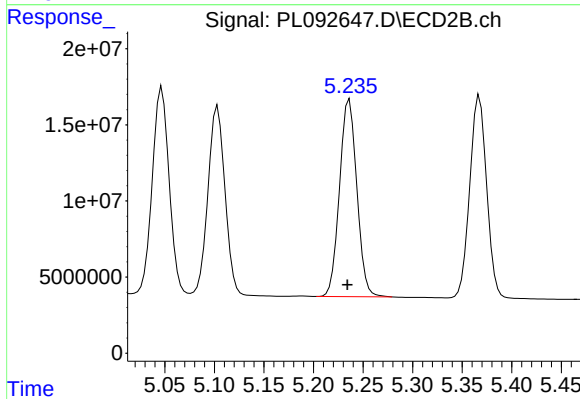
#11 alpha-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.002 min
Response: 163900265
Conc: 46.12 ng/ml



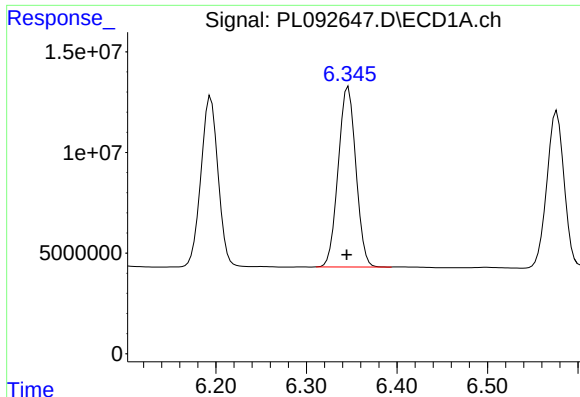
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 111097100
Conc: 37.46 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 157671261
Conc: 45.34 ng/ml



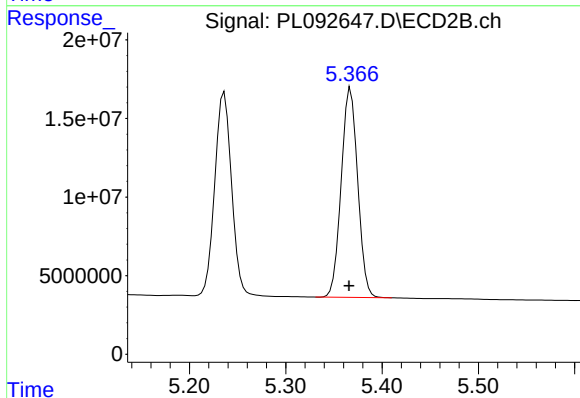
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 121536454
Conc: 37.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

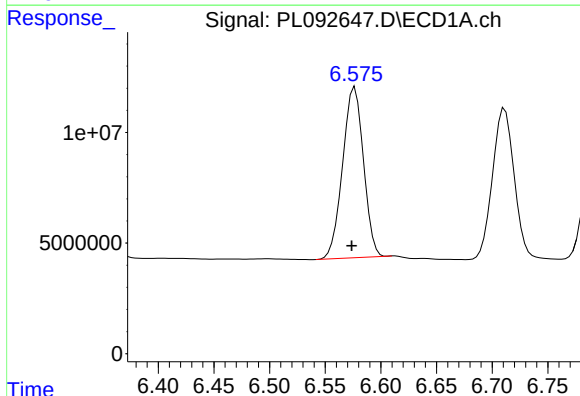
Manual Integrations
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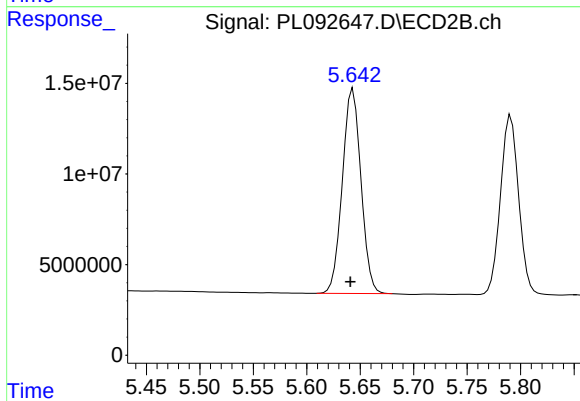
#13 Dieldrin

R.T.: 5.367 min
Delta R.T.: 0.002 min
Response: 158038072
Conc: 43.25 ng/ml



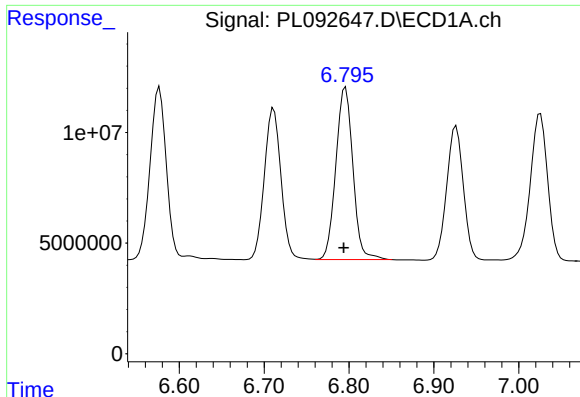
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 100796166
Conc: 35.70 ng/ml



#14 Endrin

R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 137177718
Conc: 41.89 ng/ml



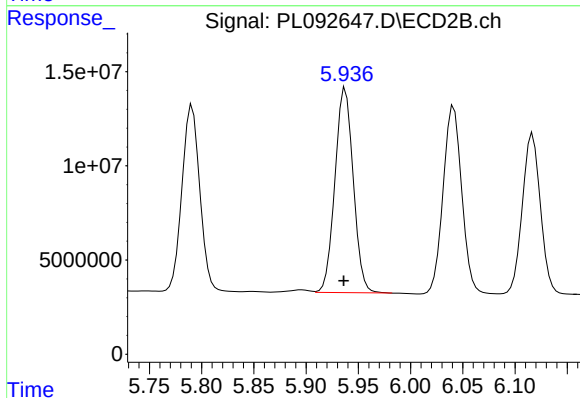
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.002 min
Response: 108789147
Conc: 38.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

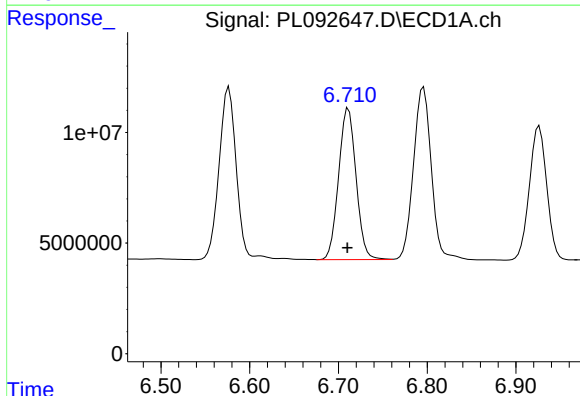
Manual Integrations
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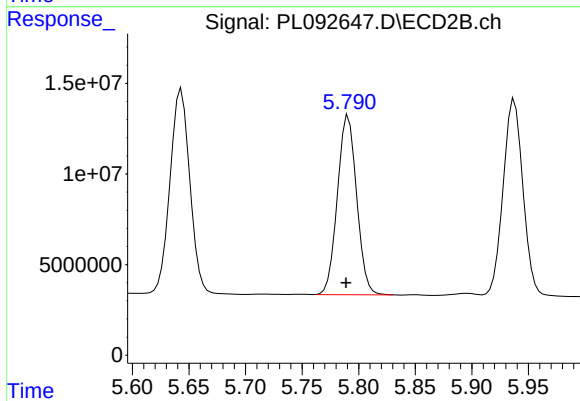
#15 Endosulfan II

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 132351956
Conc: 42.34 ng/ml



#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.001 min
Response: 93539181
Conc: 38.72 ng/ml



#16 4,4'-DDD

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 117213691
Conc: 42.19 ng/ml m

Response_ Signal: PL092647.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.001 min
Response: 94891830
Conc: 38.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Time

Response_ Signal: PL092647.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.041 min
Delta R.T.: 0.002 min
Response: 123800024
Conc: 42.15 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82835782
Conc: 38.78 ng/ml m

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82835782
Conc: 38.78 ng/ml m

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82835782
Conc: 38.78 ng/ml m

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82835782
Conc: 38.78 ng/ml m

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD1A.ch

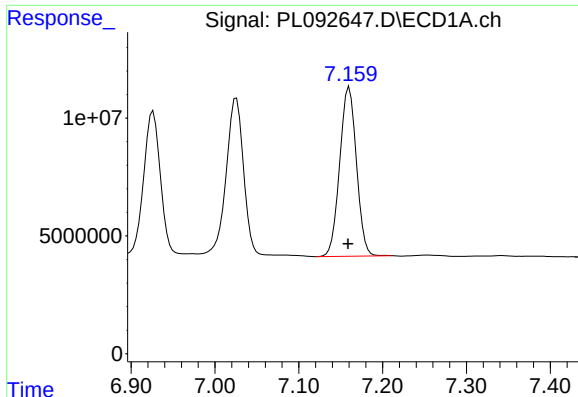
#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.001 min
Response: 102858608
Conc: 41.87 ng/ml

Time

Response_ Signal: PL092647.D\ECD2B.ch

#18 Endrin aldehyde



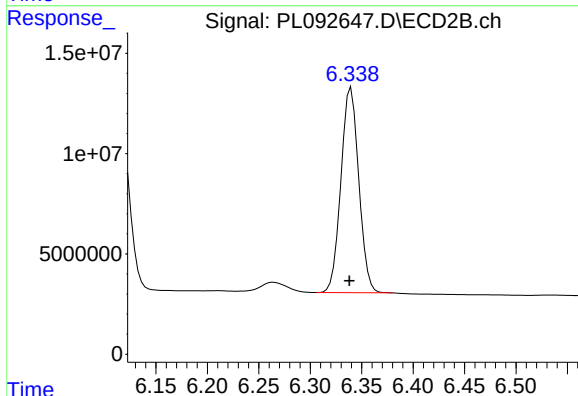
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.001 min
Response: 99682557
Conc: 39.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

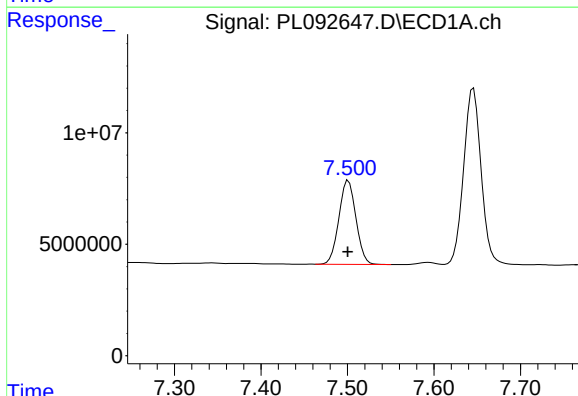
Manual Integrations
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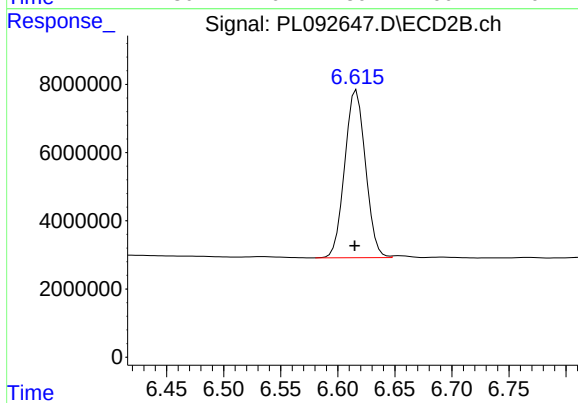
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 123239146
Conc: 41.69 ng/ml



#20 Methoxychlor

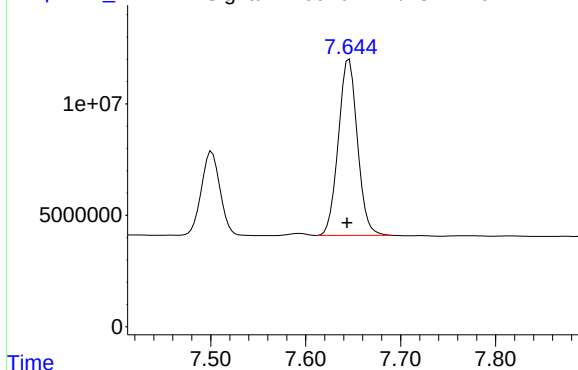
R.T.: 7.501 min
Delta R.T.: 0.001 min
Response: 51248350
Conc: 43.52 ng/ml



#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 62174799
Conc: 43.85 ng/ml

Signal: PL092647.D\ECD1A.ch



#21 Endrin ketone

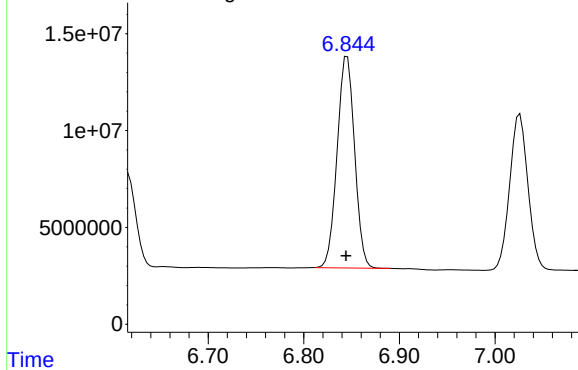
R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 110500191
Conc: 40.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

Manual Integrations
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Supervised By :Ankita Jodhani 10/28/2024

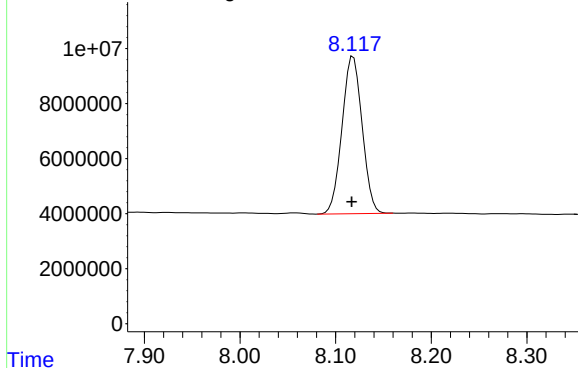
Signal: PL092647.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.845 min
Delta R.T.: 0.001 min
Response: 138608204
Conc: 43.15 ng/ml

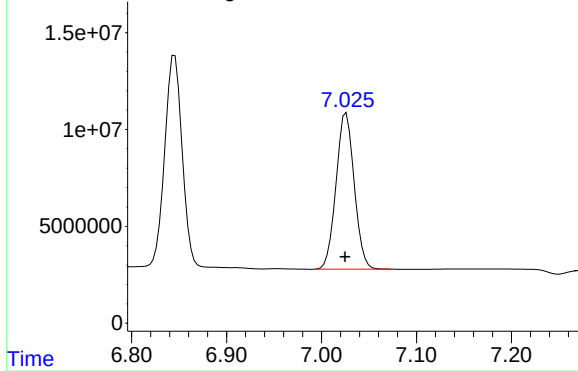
Signal: PL092647.D\ECD1A.ch



#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.002 min
Response: 83777830
Conc: 40.15 ng/ml

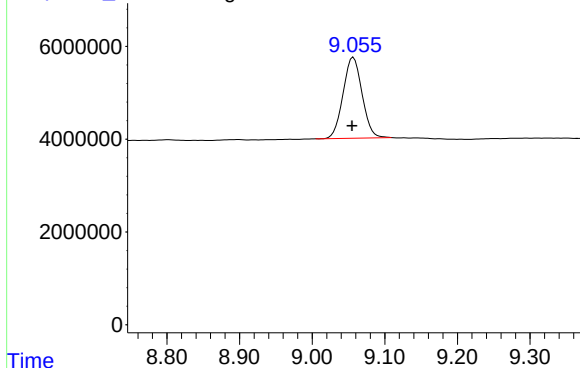
Signal: PL092647.D\ECD2B.ch



#22 Mirex

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 107304911
Conc: 41.06 ng/ml m

Signal: PL092647.D\ECD1A.ch



#28 Decachlorobiphenyl

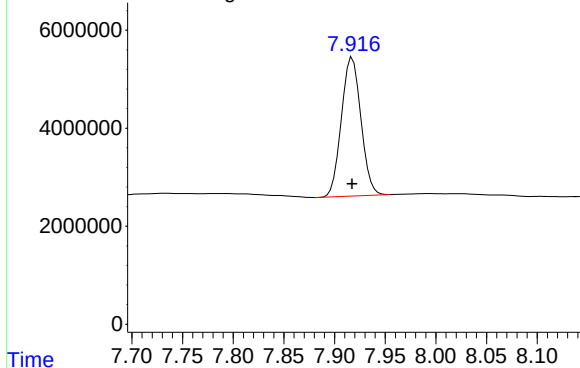
R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 31785218
Conc: 15.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MS

Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Signal: PL092647.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 37855363
Conc: 14.37 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MSD		SDG No.:	P4495	
Lab Sample ID:	P4547-05MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.9		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.6		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.2		0.22	2.00	ug/kg
76-44-8	Heptachlor	18.0		0.20	2.00	ug/kg
309-00-2	Aldrin	16.8		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.4		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	17.1		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.6		0.15	2.00	ug/kg
72-20-8	Endrin	17.2		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.8		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.0		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.6		0.20	2.00	ug/kg
72-43-5	Methoxychlor	18.0		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.8		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		10 - 148	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		10 - 159	79%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MSD		SDG No.:	P4495	
Lab Sample ID:	P4547-05MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

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\PL102624\
 Data File : PL092648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 18:56
 Operator : AR\AJ
 Sample : P4547-05MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 BP-F-20MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 22:46:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 21 17:09:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.540	2.780	39270157	44069837	14.578m	15.867
28)	SA Decachlor...	9.057	7.918	31032993	39705936	15.279	15.069
Target Compounds							
2)	A alpha-BHC	3.997	3.283	156.7E6	194.2E6	38.031	45.015
3)	MA gamma-BHC...	4.328	3.613	147.1E6	184.5E6	38.234m	44.814
4)	MA Heptachlor	4.917	3.952	139.6E6	188.3E6	39.359m	46.881
5)	MB Aldrin	5.260	4.231	133.5E6	174.4E6	36.294	43.862
6)	B beta-BHC	4.527	3.912	66337776	81171159	42.734	46.491
7)	B delta-BHC	4.773	4.141	140.7E6	181.3E6	37.387m	43.108
8)	B Heptachlo...	5.686	4.734	123.3E6	160.0E6	37.141	45.419
9)	A Endosulfan I	6.072	5.104	114.2E6	148.7E6	37.812	46.722
10)	B gamma-Chl...	5.942	4.982	122.7E6	164.4E6	37.210	44.695m
11)	B alpha-Chl...	6.021	5.046	121.9E6	161.4E6	37.424	45.406m
12)	B 4,4'-DDE	6.194	5.235	110.4E6	159.5E6	37.210	45.872m
13)	MA Dieldrin	6.347	5.368	119.7E6	162.9E6	36.807	44.568
14)	MA Endrin	6.577	5.644	101.2E6	146.6E6	35.839	44.771
15)	B Endosulfa...	6.797	5.938	107.2E6	136.7E6	37.869	43.737
16)	A 4,4'-DDD	6.712	5.791	92543924	123.2E6	38.305	44.361
17)	MA 4,4'-DDT	7.026	6.042	95442592	126.7E6	38.703	43.141
18)	B Endrin al...	6.926	6.117	82375236	102.8E6	38.564	41.851
19)	B Endosulfa...	7.161	6.340	98435414	128.9E6	38.959	43.599
20)	A Methoxychlor	7.502	6.616	51174991	66596736	43.453	46.970
21)	B Endrin ke...	7.646	6.846	110.7E6	140.4E6	40.275	43.718
22)	Mirex	8.119	7.026	83233169	116.9E6	39.889	44.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 18:56
Operator : AR\AJ
Sample : P4547-05MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

BP-F-20MSD

Manual Integrations

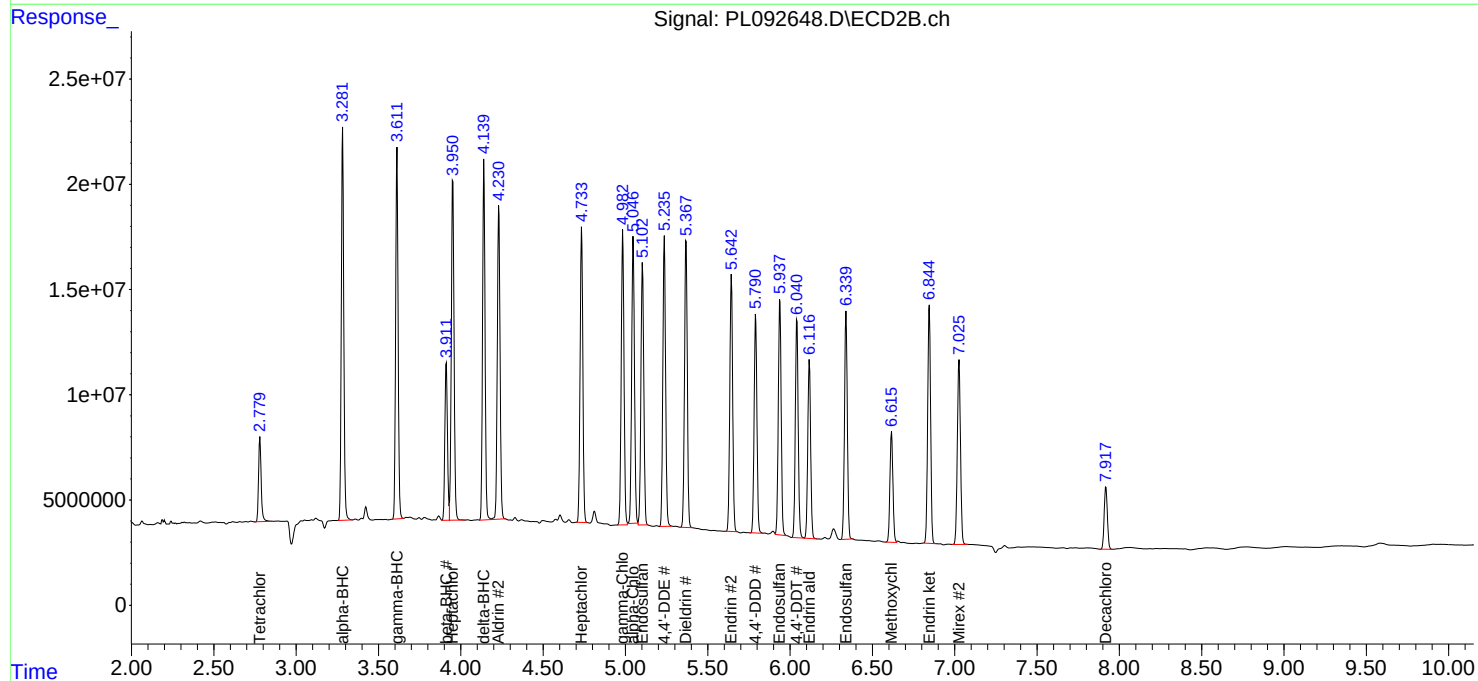
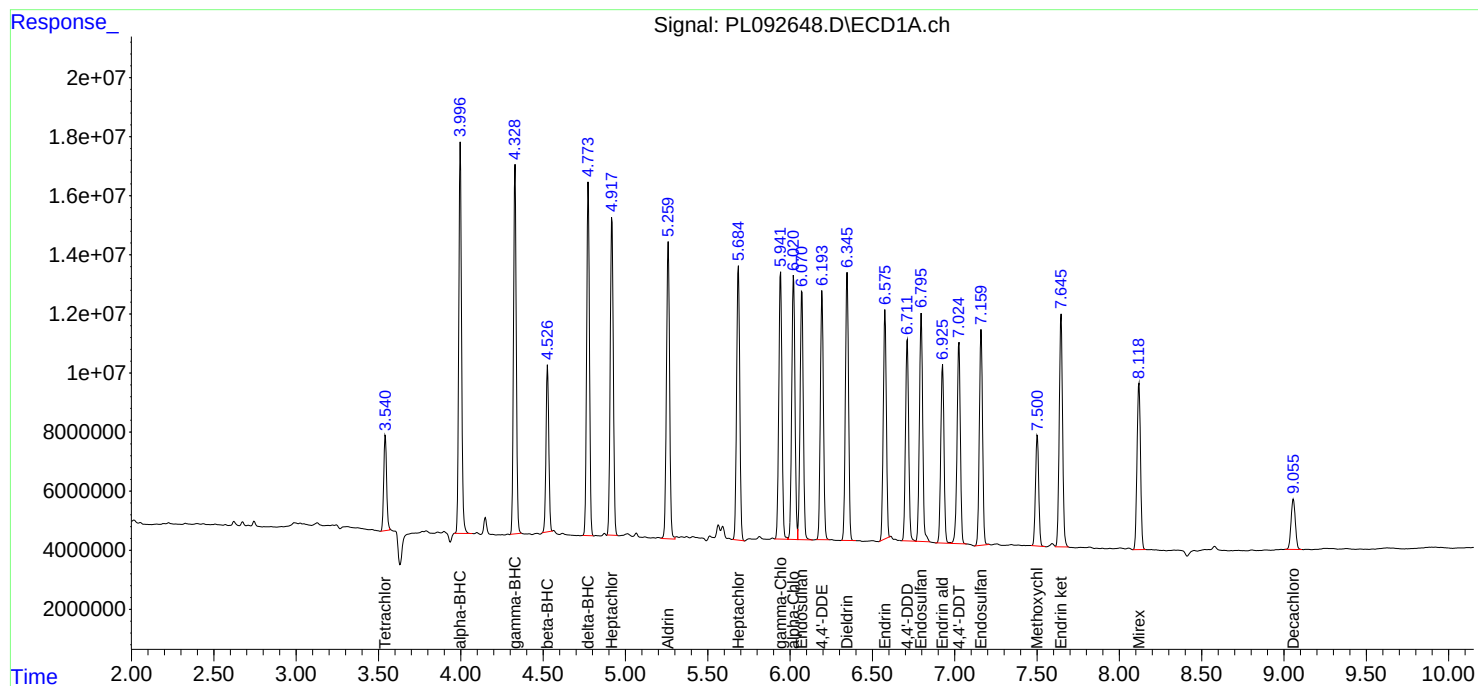
APPROVED

Reviewed By :Abdul Mirza 10/28/2024

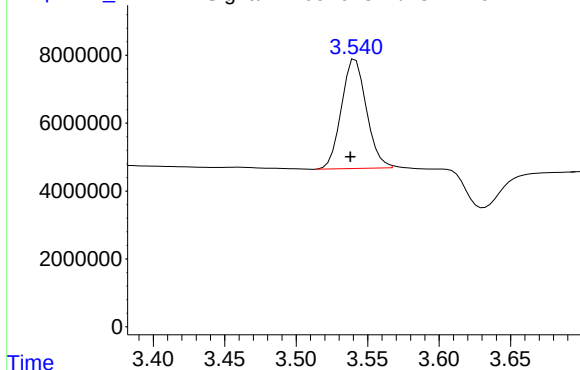
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:46:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092648.D\ECD1A.ch



#1 Tetrachloro-m-xylene

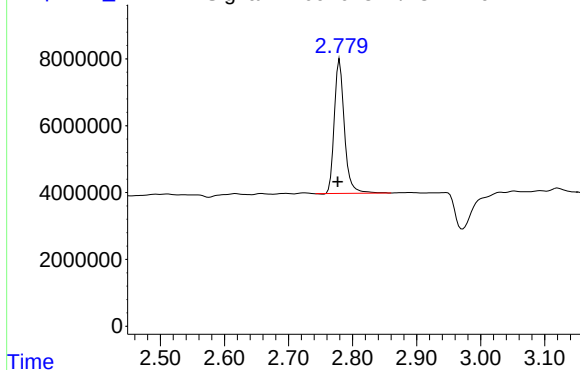
R.T.: 3.540 min
Delta R.T.: 0.002 min
Response: 39270157
Conc: 14.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

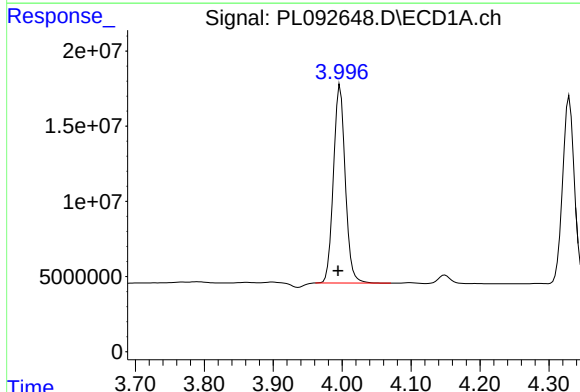
Response_ Signal: PL092648.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.003 min
Response: 44069837
Conc: 15.87 ng/ml

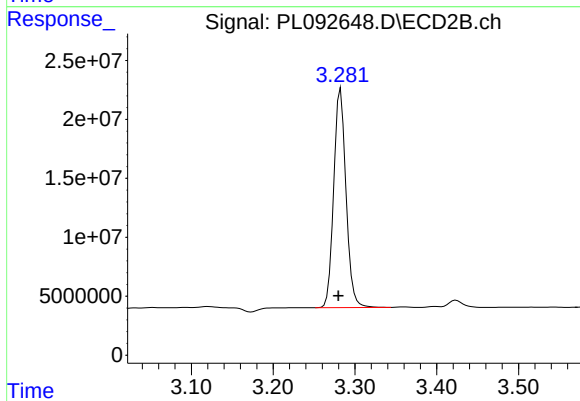
Response_ Signal: PL092648.D\ECD1A.ch



#2 alpha-BHC

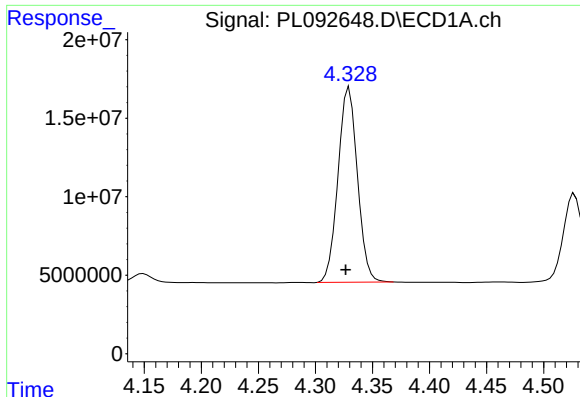
R.T.: 3.997 min
Delta R.T.: 0.003 min
Response: 156733883
Conc: 38.03 ng/ml

Response_ Signal: PL092648.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.283 min
Delta R.T.: 0.003 min
Response: 194245448
Conc: 45.02 ng/ml



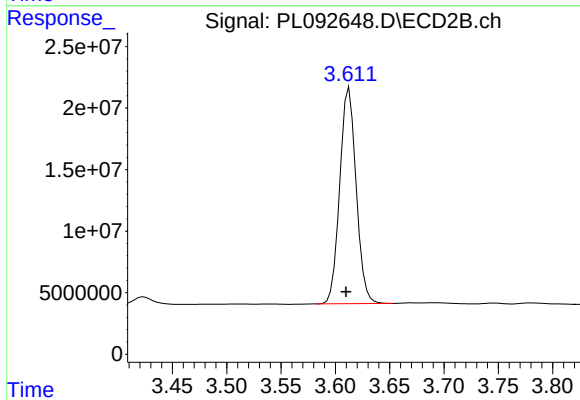
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.002 min
Response: 147078730
Conc: 38.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

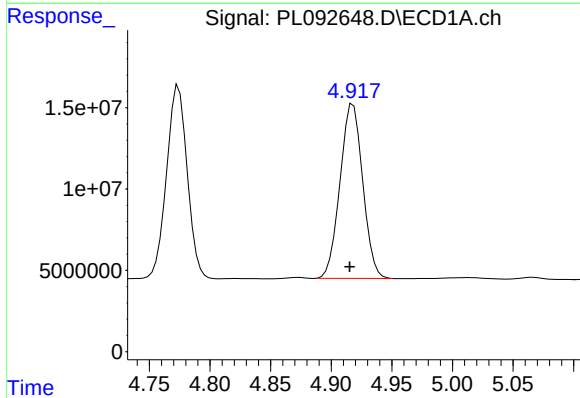
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



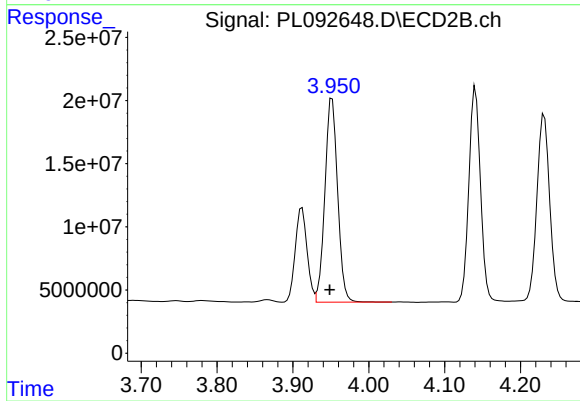
#3 gamma-BHC (Lindane)

R.T.: 3.613 min
Delta R.T.: 0.003 min
Response: 184546487
Conc: 44.81 ng/ml



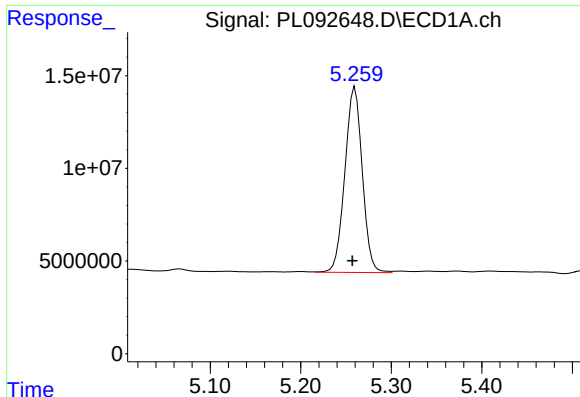
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.001 min
Response: 139557092
Conc: 39.36 ng/ml m



#4 Heptachlor

R.T.: 3.952 min
Delta R.T.: 0.003 min
Response: 188262548
Conc: 46.88 ng/ml



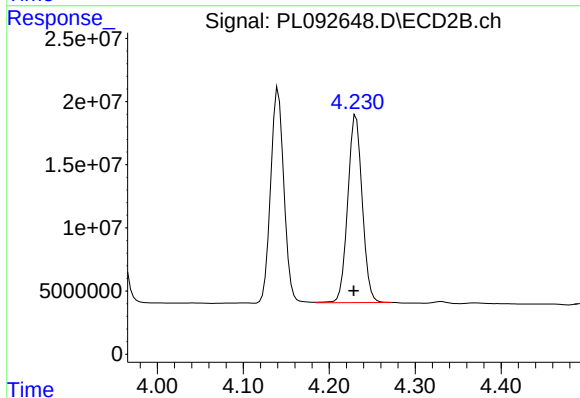
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.003 min
Response: 133514059
Conc: 36.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

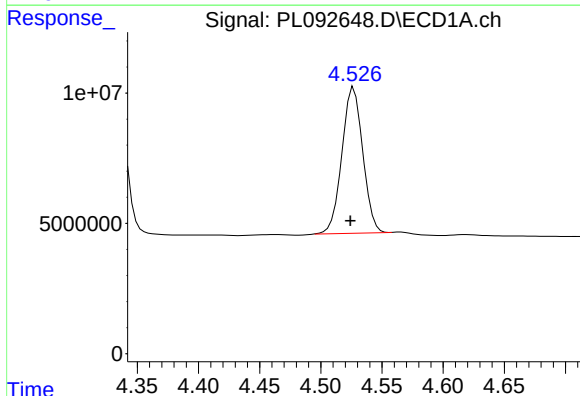
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



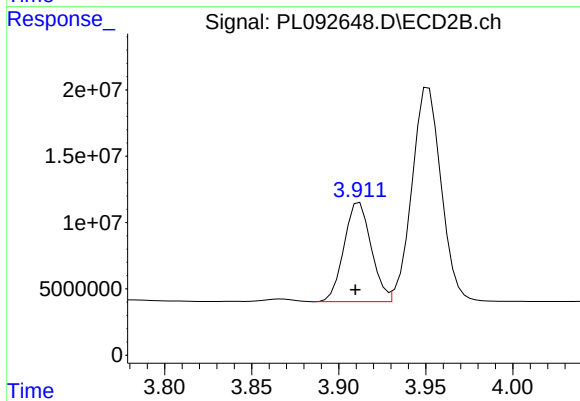
#5 Aldrin

R.T.: 4.231 min
Delta R.T.: 0.003 min
Response: 174373357
Conc: 43.86 ng/ml



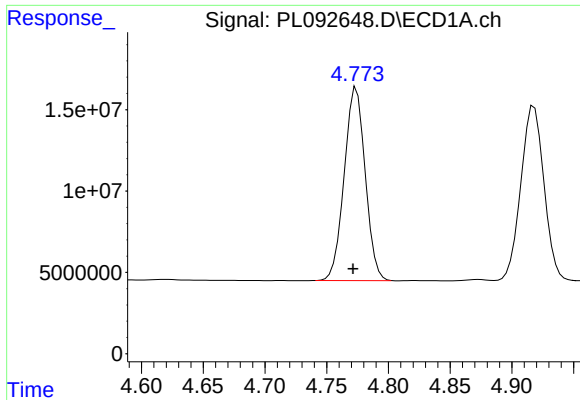
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.003 min
Response: 66337776
Conc: 42.73 ng/ml



#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.002 min
Response: 81171159
Conc: 46.49 ng/ml



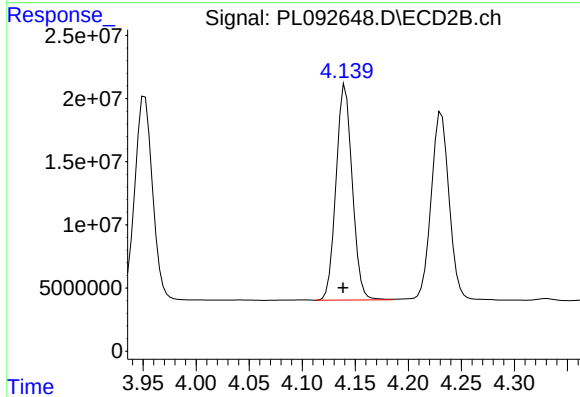
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 140652091
Conc: 37.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

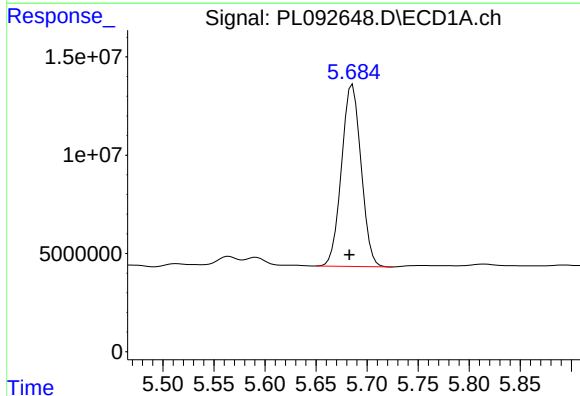
Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



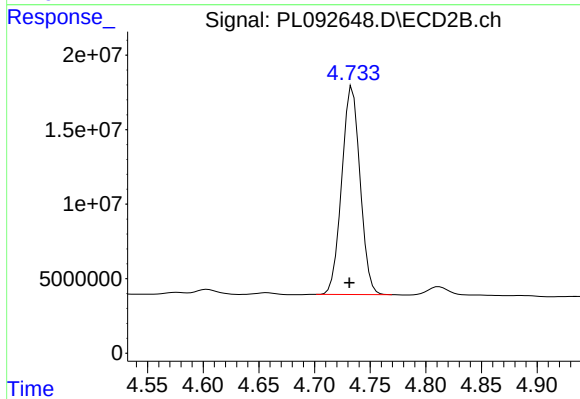
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.002 min
Response: 181321969
Conc: 43.11 ng/ml



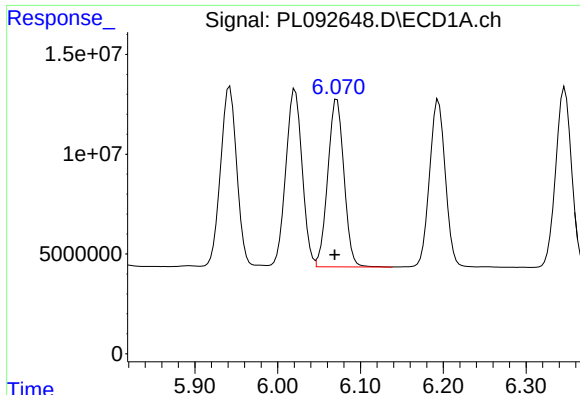
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.003 min
Response: 123334420
Conc: 37.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.734 min
Delta R.T.: 0.003 min
Response: 160036185
Conc: 45.42 ng/ml



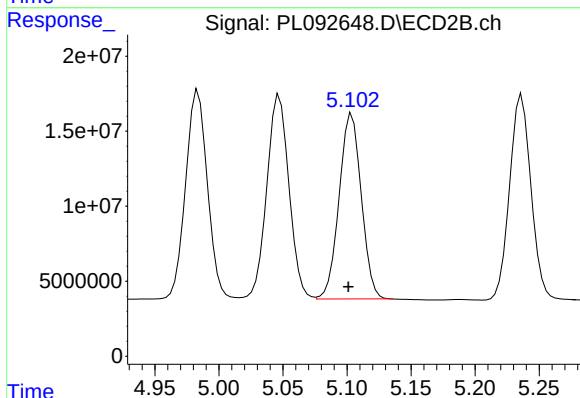
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 114168312
Conc: 37.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

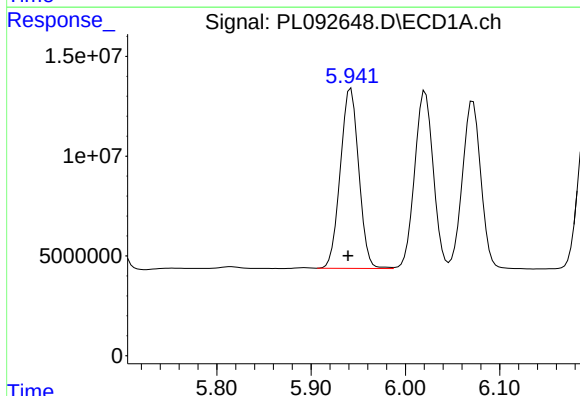
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



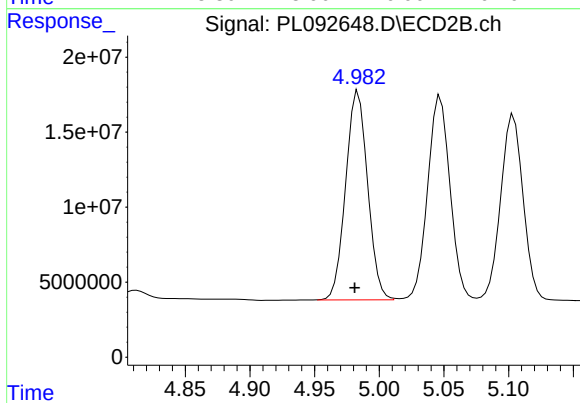
#9 Endosulfan I

R.T.: 5.104 min
Delta R.T.: 0.003 min
Response: 148716877
Conc: 46.72 ng/ml



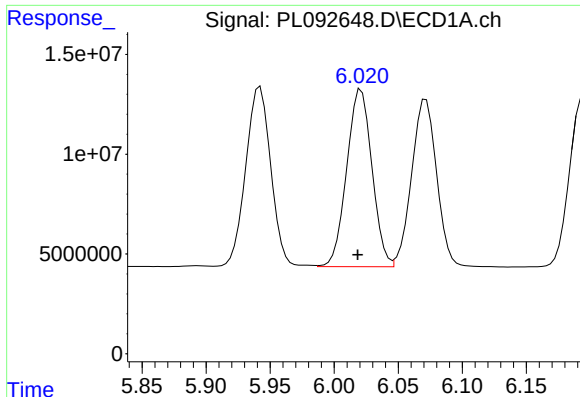
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 122682026
Conc: 37.21 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.001 min
Response: 164441316
Conc: 44.69 ng/ml m



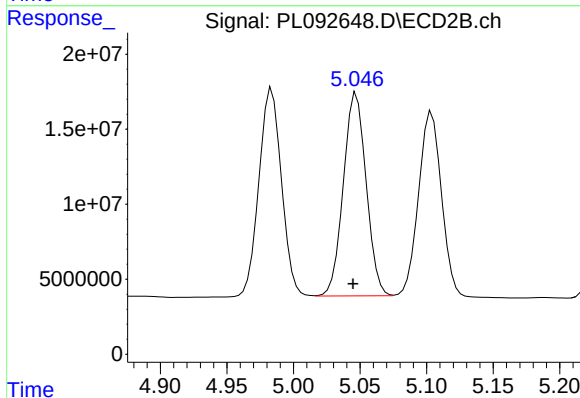
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.003 min
Response: 121867021
Conc: 37.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

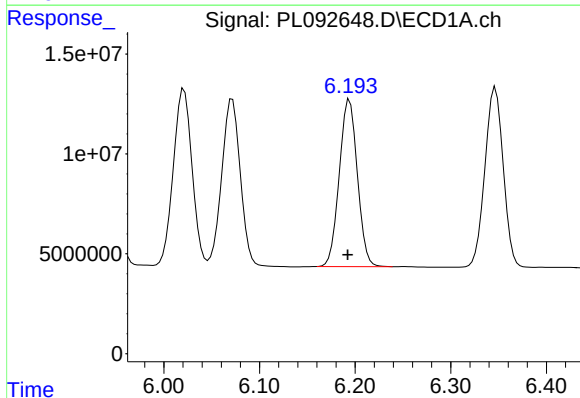
Manual Integrations
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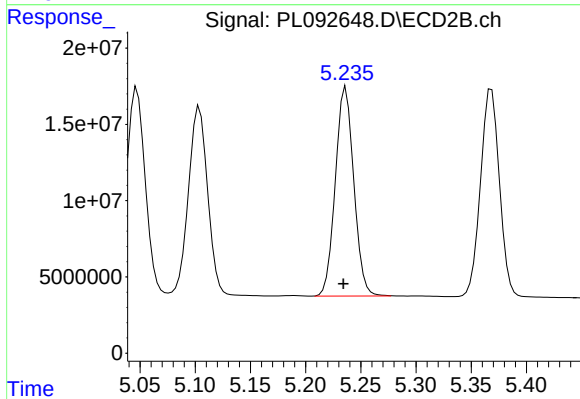
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.001 min
Response: 161376352
Conc: 45.41 ng/ml m



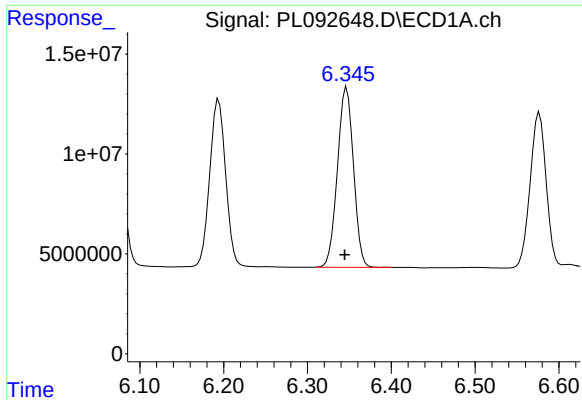
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 110362051
Conc: 37.21 ng/ml



#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 159512982
Conc: 45.87 ng/ml m



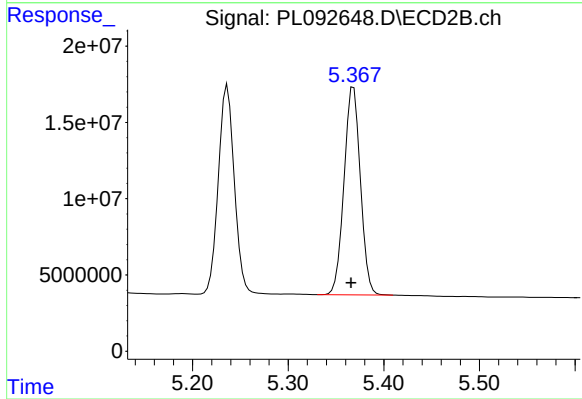
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 119692276
Conc: 36.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

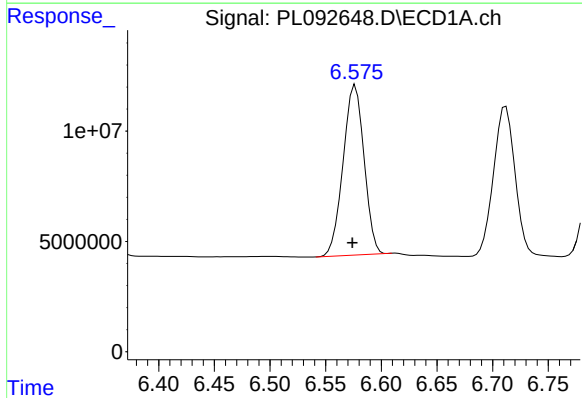
Manual Integrations
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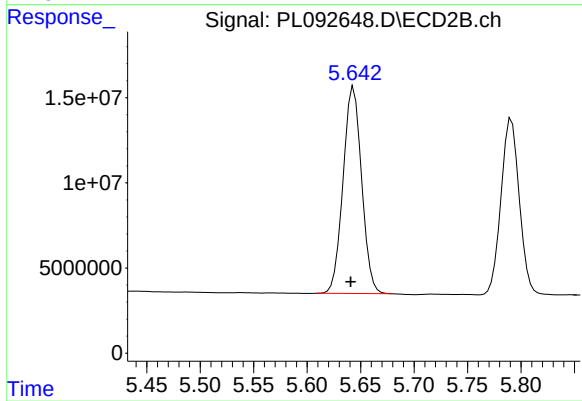
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.003 min
Response: 162867218
Conc: 44.57 ng/ml



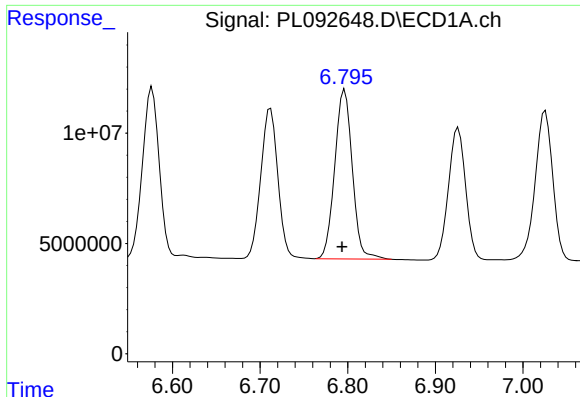
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 101200892
Conc: 35.84 ng/ml



#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 146620409
Conc: 44.77 ng/ml



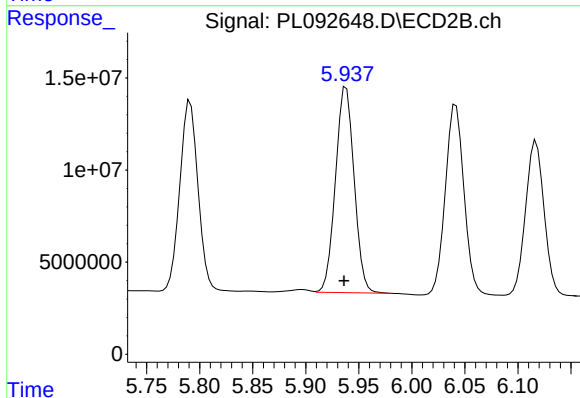
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.003 min
Response: 107160450
Conc: 37.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

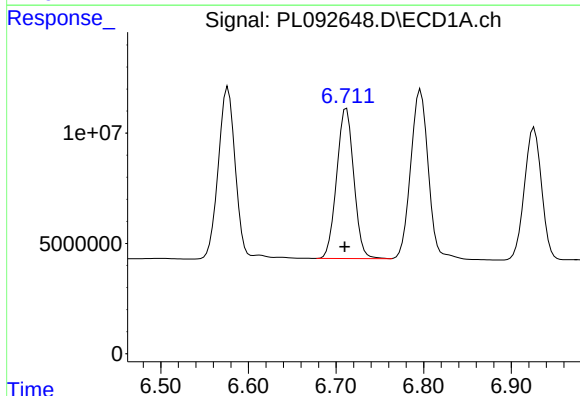
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



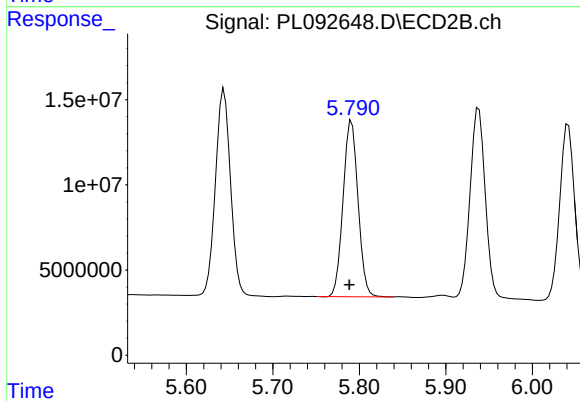
#15 Endosulfan II

R.T.: 5.938 min
Delta R.T.: 0.002 min
Response: 136731802
Conc: 43.74 ng/ml



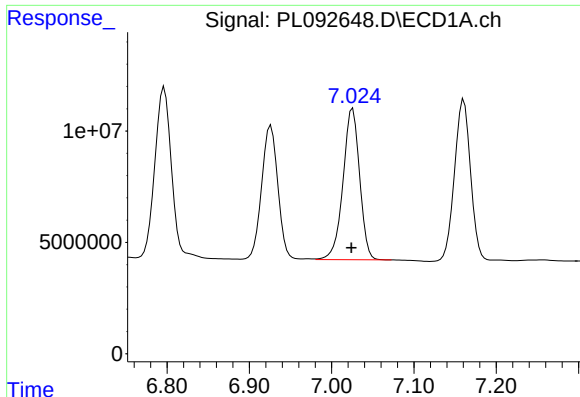
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.002 min
Response: 92543924
Conc: 38.31 ng/ml



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 123245365
Conc: 44.36 ng/ml



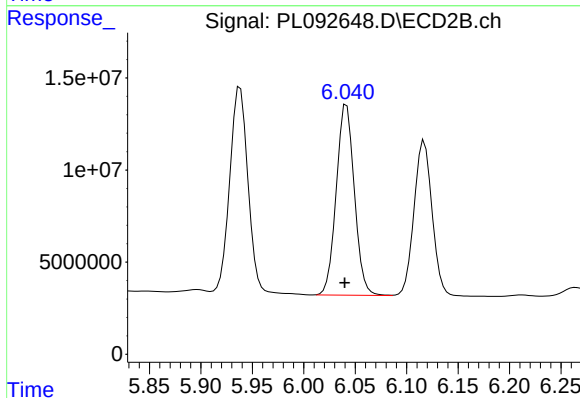
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 95442592
Conc: 38.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

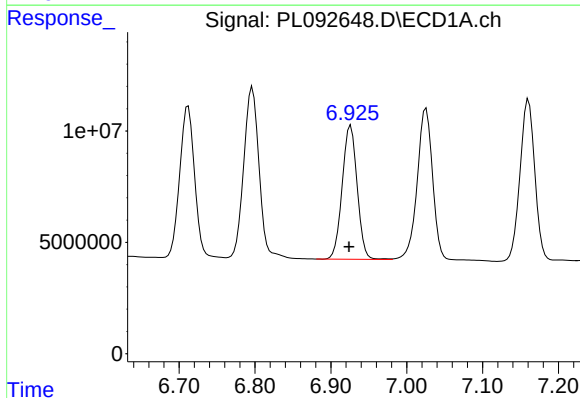
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



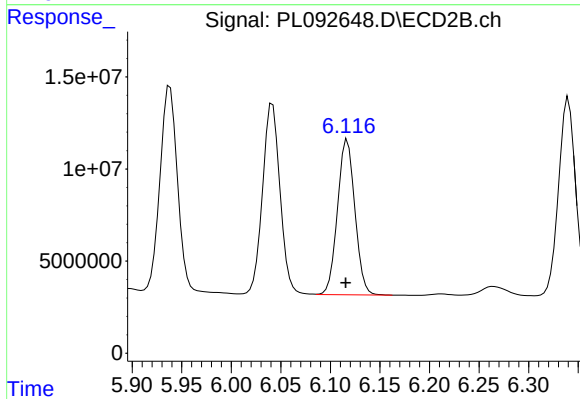
#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.002 min
Response: 126703723
Conc: 43.14 ng/ml



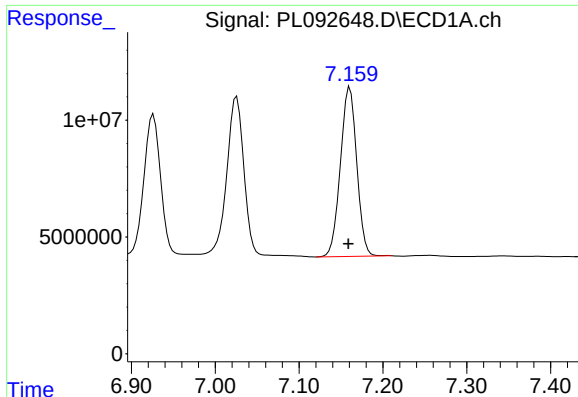
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.002 min
Response: 82375236
Conc: 38.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.002 min
Response: 102807937
Conc: 41.85 ng/ml



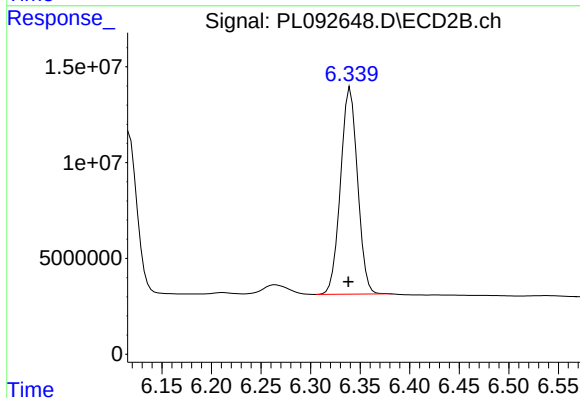
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.002 min
Response: 98435414
Conc: 38.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

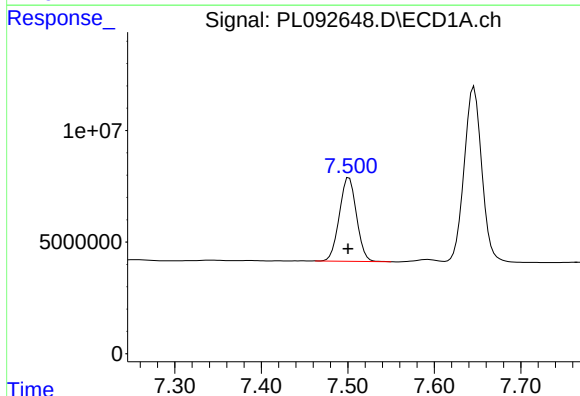
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



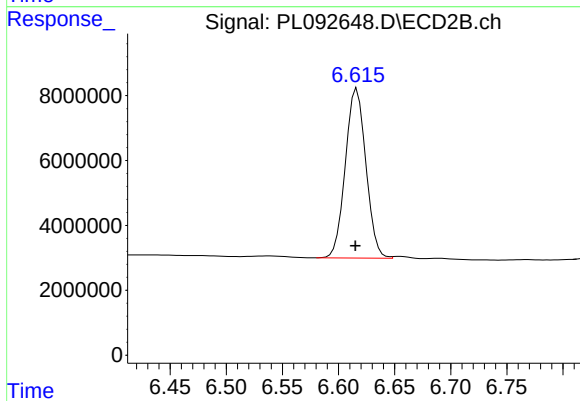
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 128890897
Conc: 43.60 ng/ml



#20 Methoxychlor

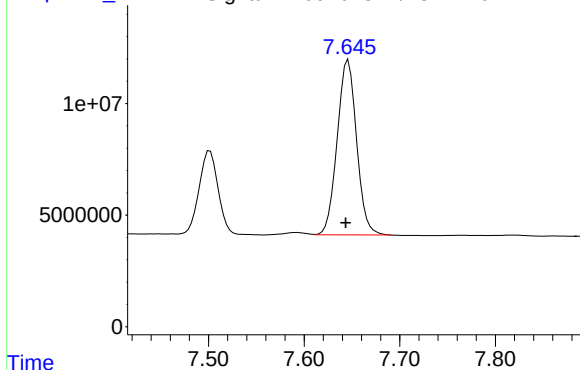
R.T.: 7.502 min
Delta R.T.: 0.001 min
Response: 51174991
Conc: 43.45 ng/ml



#20 Methoxychlor

R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 66596736
Conc: 46.97 ng/ml

Response_ Signal: PL092648.D\ECD1A.ch



#21 Endrin ketone

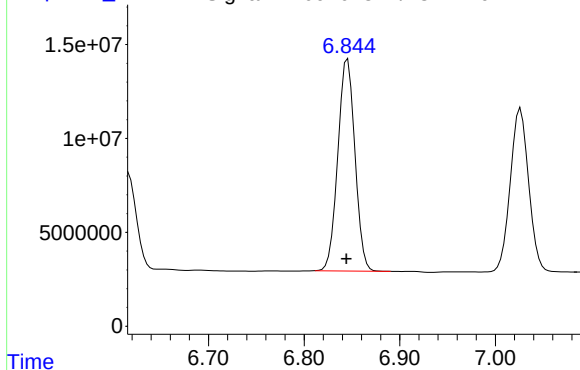
R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 110748945
Conc: 40.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

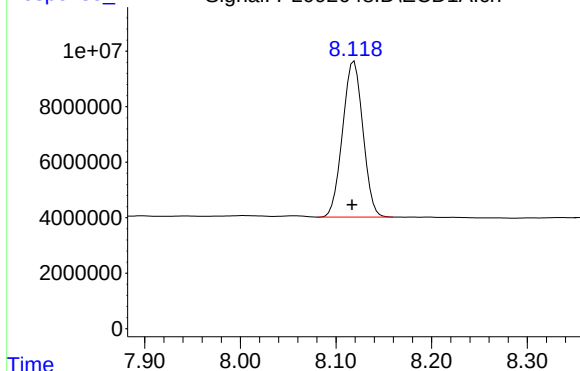
Time Response_ Signal: PL092648.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.846 min
Delta R.T.: 0.001 min
Response: 140428937
Conc: 43.72 ng/ml

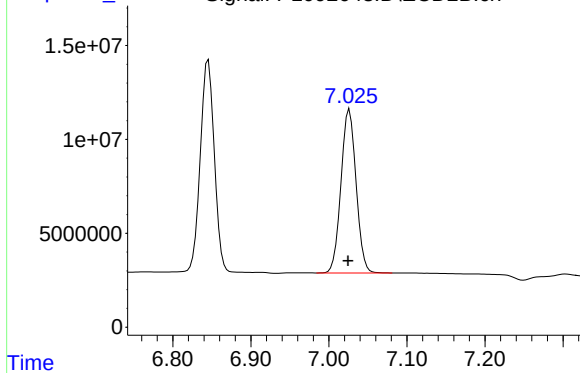
Time Response_ Signal: PL092648.D\ECD1A.ch



#22 Mirex

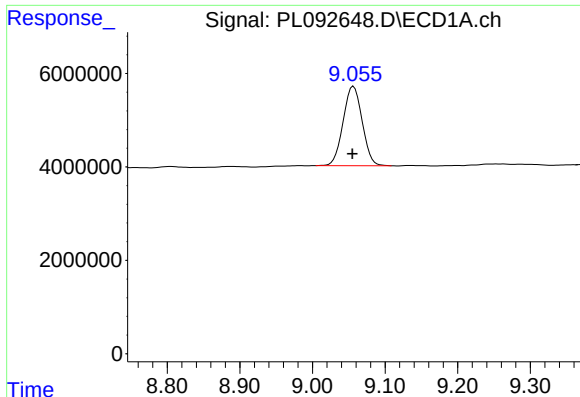
R.T.: 8.119 min
Delta R.T.: 0.002 min
Response: 83233169
Conc: 39.89 ng/ml

Time Response_ Signal: PL092648.D\ECD2B.ch



#22 Mirex

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 116864505
Conc: 44.72 ng/ml



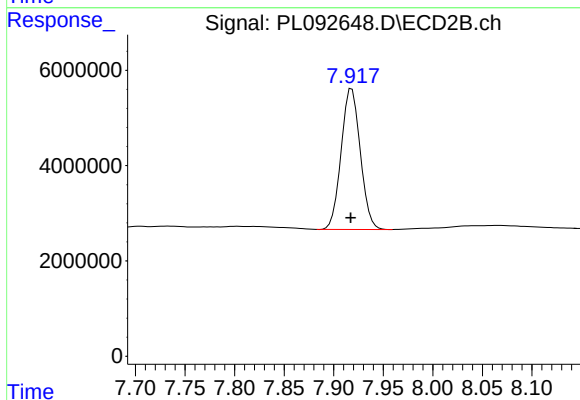
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 31032993
Conc: 15.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
BP-F-20MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 39705936
Conc: 15.07 ng/ml

Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092495.D	4,4"-DDD	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	4,4"-DDD #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin aldehyde	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin ketone #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PSTDICC025	PL092500.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:38 AM	Ankita	10/22/2024 9:02:12	Peak Integrated by Software
PSTDICC005	PL092501.D	alpha-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	delta-BHC	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan I	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan II	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin ketone	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL092501.D	gamma-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Mirex #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICV050	PL092512.D	delta-BHC	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Mirex #2	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PCHLORICV50 0	PL092513.D	Chlordane-5	Abdul	10/22/2024 8:46:13 AM	Ankita	10/22/2024 9:02:30	Peak Integrated by Software
I.BLK	PL092515.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:46:19 AM	Ankita	10/22/2024 9:02:32	Peak Integrated by Software
PEM	PL092516.D	4,4"-DDE	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	alpha-BHC	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin aldehyde	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin ketone #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092517.D	delta-BHC	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Endosulfan II #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Mirex #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
I.BLK	PL092523.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:06 AM	Ankita	10/22/2024 9:02:44	Peak Integrated by Software
PSTDCCC050	PL092524.D	delta-BHC	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
PSTDCCC050	PL092524.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
I.BLK	PL092528.D	Decachlorobiphenyl	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
I.BLK	PL092528.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
PSTDCCC050	PL092529.D	Aldrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	delta-BHC	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Endrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software



Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	PL102624	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL092637.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:29:49 AM	Ankita	10/28/2024 10:45:41	Peak Integrated by Software
I.BLK	PL092637.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:29:49 AM	Ankita	10/28/2024 10:45:41	Peak Integrated by Software
PEM	PL092638.D	4,4"-DDE	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PEM	PL092638.D	4,4"-DDE #2	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PEM	PL092638.D	Endrin	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PSTDCCC050	PL092639.D	4,4"-DDD #2	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Aldrin	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Endosulfan II #2	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Heptachlor	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Heptachlor epoxide	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Methoxychlor	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PB164398BL	PL092640.D	Decachlorobiphenyl	Abdul	10/28/2024 9:30:01 AM	Ankita	10/28/2024 10:45:48	Peak Integrated by Software
PB164398BS	PL092641.D	Endrin	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102624	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164398BS	PL092641.D	Endrin #2	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
PB164398BS	PL092641.D	Endrin aldehyde	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
PB164398BS	PL092641.D	gamma-BHC (Lindane)	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
PB164398BS	PL092641.D	Heptachlor	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
PB164398BS	PL092641.D	Mirex #2	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
PB164398BS	PL092641.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:30:05 AM	Ankita	10/28/2024 10:45:49	Peak Integrated by Software
P4547-05MS	PL092647.D	4,4"-DDD #2	Abdul	10/28/2024 9:30:31 AM	Ankita	10/28/2024 10:45:59	Peak Integrated by Software
P4547-05MS	PL092647.D	Endrin aldehyde	Abdul	10/28/2024 9:30:31 AM	Ankita	10/28/2024 10:45:59	Peak Integrated by Software
P4547-05MS	PL092647.D	Mirex #2	Abdul	10/28/2024 9:30:31 AM	Ankita	10/28/2024 10:45:59	Peak Integrated by Software
P4547-05MS	PL092647.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:30:31 AM	Ankita	10/28/2024 10:45:59	Peak Integrated by Software
P4547-05MSD	PL092648.D	4,4"-DDE #2	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
P4547-05MSD	PL092648.D	alpha-Chlordane #2	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
P4547-05MSD	PL092648.D	delta-BHC	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102624	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4547-05MSD	PL092648.D	gamma-BHC (Lindane)	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
P4547-05MSD	PL092648.D	gamma-Chlordane #2	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
P4547-05MSD	PL092648.D	Heptachlor	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
P4547-05MSD	PL092648.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:30:36 AM	Ankita	10/28/2024 10:46:01	Peak Integrated by Software
I.BLK	PL092649.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:30:40 AM	Ankita	10/28/2024 10:46:13	Peak Integrated by Software
I.BLK	PL092649.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:30:40 AM	Ankita	10/28/2024 10:46:13	Peak Integrated by Software
PSTDCCC050	PL092650.D	Aldrin	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software
PSTDCCC050	PL092650.D	Endosulfan II #2	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software
PSTDCCC050	PL092650.D	Endrin ketone #2	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092653.D	4,4"-DDD	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PEM	PL092653.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PSTDICC005	PL092659.D	delta-BHC	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PSTDICC005	PL092659.D	Heptachlor epoxide	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	Endrin ketone #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PSTDCCC050	PL092675.D	Aldrin	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Dieldrin #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	gamma-BHC (Lindane)	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
I.BLK	PL092690.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:09:28 AM	Ankita	10/29/2024 10:02:09	Peak Integrated by Software

Manual Integration Report

Sequence:

PL102824

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092691.D	Endosulfan II #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	gamma-Chlordane	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Heptachlor epoxide	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Mirex #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software

Manual Integration Report

Sequence:	PL110424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092816.D	4,4"-DDD #2	Abdul	11/5/2024 9:06:49 AM	Ankita	11/5/2024 3:57:21	Peak Integrated by Software
P4495-20	PL092818.D	Heptachlor	Abdul	11/5/2024 9:06:52 AM	Ankita	11/5/2024 3:57:23	Peak Integrated by Software
P4495-20	PL092818.D	Tetrachloro-m-xylene #2	Abdul	11/5/2024 9:06:52 AM	Ankita	11/5/2024 3:57:23	Peak Integrated by Software
P4495-20DL	PL092819.D	Tetrachloro-m-xylene #2	Abdul	11/5/2024 9:06:55 AM	Ankita	11/5/2024 3:57:25	Peak Integrated by Software
P4495-20DL2	PL092820.D	Decachlorobiphenyl #2	Abdul	11/5/2024 9:06:59 AM	Ankita	11/5/2024 3:57:27	Peak Integrated by Software
P4495-20DL2	PL092820.D	Tetrachloro-m-xylene	Abdul	11/5/2024 9:06:59 AM	Ankita	11/5/2024 3:57:27	Peak Integrated by Software
P4495-20DL2	PL092820.D	Tetrachloro-m-xylene #2	Abdul	11/5/2024 9:06:59 AM	Ankita	11/5/2024 3:57:27	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM
SubDirectory	PL102124	HP Acquire Method	HP Processing Method pl102124 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092493.D	21 Oct 2024 12:06	AR\AJ	Ok
2	I.BLK	PL092494.D	21 Oct 2024 12:19	AR\AJ	Ok
3	PEM	PL092495.D	21 Oct 2024 12:33	AR\AJ	Ok,M
4	RESCHK	PL092496.D	21 Oct 2024 12:46	AR\AJ	Ok
5	PSTDICC100	PL092497.D	21 Oct 2024 13:00	AR\AJ	Ok
6	PSTDICC075	PL092498.D	21 Oct 2024 13:13	AR\AJ	Ok
7	PSTDICC050	PL092499.D	21 Oct 2024 13:26	AR\AJ	Ok
8	PSTDICC025	PL092500.D	21 Oct 2024 13:40	AR\AJ	Ok,M
9	PSTDICC005	PL092501.D	21 Oct 2024 13:53	AR\AJ	Ok,M
10	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07	AR\AJ	Ok
11	PCHLORICC750	PL092503.D	21 Oct 2024 14:20	AR\AJ	Ok
12	PCHLORICC500	PL092504.D	21 Oct 2024 14:33	AR\AJ	Ok
13	PCHLORICC250	PL092505.D	21 Oct 2024 14:47	AR\AJ	Ok,M
14	PCHLORICC050	PL092506.D	21 Oct 2024 15:00	AR\AJ	Ok,M
15	PTOXICC1000	PL092507.D	21 Oct 2024 15:14	AR\AJ	Ok,M
16	PTOXICC750	PL092508.D	21 Oct 2024 15:27	AR\AJ	Ok,M
17	PTOXICC500	PL092509.D	21 Oct 2024 15:40	AR\AJ	Ok
18	PTOXICC250	PL092510.D	21 Oct 2024 15:54	AR\AJ	Ok,M
19	PTOXICC100	PL092511.D	21 Oct 2024 16:07	AR\AJ	Ok,M
20	PSTDICV050	PL092512.D	21 Oct 2024 16:21	AR\AJ	Ok,M
21	PCHLORICV500	PL092513.D	21 Oct 2024 16:34	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM
SubDirectory	PL102124	HP Acquire Method	HP Processing Method pl102124 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL092514.D	21 Oct 2024 18:08	AR\AJ	Ok
23	I.BLK	PL092515.D	21 Oct 2024 18:41	AR\AJ	Ok,M
24	PEM	PL092516.D	21 Oct 2024 18:54	AR\AJ	Ok,M
25	PSTDCCC050	PL092517.D	21 Oct 2024 19:08	AR\AJ	Ok,M
26	PB164288BL	PL092518.D	21 Oct 2024 19:21	AR\AJ	Ok
27	PB164288BS	PL092519.D	21 Oct 2024 19:34	AR\AJ	Ok,M
28	P4455-01	PL092520.D	21 Oct 2024 19:48	AR\AJ	Ok,M
29	P4443-01	PL092521.D	21 Oct 2024 20:01	AR\AJ	Ok,M
30	P4443-06	PL092522.D	21 Oct 2024 20:15	AR\AJ	Ok,M
31	I.BLK	PL092523.D	21 Oct 2024 20:28	AR\AJ	Ok,M
32	PSTDCCC050	PL092524.D	21 Oct 2024 20:42	AR\AJ	Ok,M
33	P4458-01	PL092525.D	21 Oct 2024 20:55	AR\AJ	Ok,M
34	P4458-01MS	PL092526.D	21 Oct 2024 21:08	AR\AJ	Ok,M
35	P4458-01MSD	PL092527.D	21 Oct 2024 21:22	AR\AJ	Ok,M
36	I.BLK	PL092528.D	21 Oct 2024 21:35	AR\AJ	Ok,M
37	PSTDCCC050	PL092529.D	21 Oct 2024 21:49	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102624

Review By	Abdul	Review On	10/28/2024 9:31:07 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:46:33 AM
SubDirectory	PL102624	HP Acquire Method	HP Processing Method pl102124 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092636.D	25 Oct 2024 14:55	AR\AJ	Ok
2	I.BLK	PL092637.D	25 Oct 2024 15:08	AR\AJ	Ok,M
3	PEM	PL092638.D	25 Oct 2024 15:22	AR\AJ	Ok,M
4	PSTDCCC050	PL092639.D	25 Oct 2024 15:49	AR\AJ	Ok,M
5	PB164398BL	PL092640.D	25 Oct 2024 16:46	AR\AJ	Ok,M
6	PB164398BS	PL092641.D	25 Oct 2024 16:59	AR\AJ	Ok,M
7	PB164360BS	PL092642.D	25 Oct 2024 17:35	AR\AJ	Ok,M
8	P4531-01	PL092643.D	25 Oct 2024 17:49	AR\AJ	Ok,M
9	P4547-01	PL092644.D	25 Oct 2024 18:02	AR\AJ	Ok,M
10	P4545-01	PL092645.D	25 Oct 2024 18:15	AR\AJ	ReRun
11	P4547-05	PL092646.D	25 Oct 2024 18:29	AR\AJ	Ok,M
12	P4547-05MS	PL092647.D	25 Oct 2024 18:42	AR\AJ	Ok,M
13	P4547-05MSD	PL092648.D	25 Oct 2024 18:56	AR\AJ	Ok,M
14	I.BLK	PL092649.D	25 Oct 2024 19:09	AR\AJ	Ok,M
15	PSTDCCC050	PL092650.D	25 Oct 2024 19:49	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL092672.D	28 Oct 2024 18:57	AR\AJ	Ok
23	I.BLK	PL092673.D	28 Oct 2024 19:24	AR\AJ	Ok
24	PEM	PL092674.D	28 Oct 2024 19:37	AR\AJ	Ok,M
25	PSTDCCC050	PL092675.D	28 Oct 2024 19:51	AR\AJ	Ok,M
26	PB164460BL	PL092676.D	28 Oct 2024 20:04	AR\AJ	Ok,M
27	PB164460BS	PL092677.D	28 Oct 2024 20:17	AR\AJ	Ok,M
28	P4575-01	PL092678.D	28 Oct 2024 20:31	AR\AJ	Ok,M
29	P4566-01	PL092679.D	28 Oct 2024 20:44	AR\AJ	Ok,M
30	P4567-01	PL092680.D	28 Oct 2024 20:57	AR\AJ	Ok,M
31	P4567-05	PL092681.D	28 Oct 2024 21:11	AR\AJ	Ok
32	P4567-09	PL092682.D	28 Oct 2024 21:24	AR\AJ	Ok,M
33	P4574-01	PL092683.D	28 Oct 2024 21:38	AR\AJ	Ok,M
34	P4574-04	PL092684.D	28 Oct 2024 21:51	AR\AJ	Ok,M
35	P4577-01	PL092685.D	28 Oct 2024 22:04	AR\AJ	Ok,M
36	P4561-01	PL092686.D	28 Oct 2024 22:18	AR\AJ	Ok,M
37	P4561-01MS	PL092687.D	28 Oct 2024 22:31	AR\AJ	Ok,M
38	P4561-01MSD	PL092688.D	28 Oct 2024 22:44	AR\AJ	Ok,M
39	P4561-05	PL092689.D	28 Oct 2024 22:58	AR\AJ	Ok,M
40	I.BLK	PL092690.D	28 Oct 2024 23:11	AR\AJ	Ok,M
41	PSTDCCC050	PL092691.D	29 Oct 2024 00:32	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL110424

Review By	Abdul	Review On	11/5/2024 9:08:28 AM
Supervise By	Ankita	Supervise On	11/5/2024 3:58:02 PM
SubDirectory	PL110424	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092814.D	04 Nov 2024 08:21	AR\AJ	Ok
2	I.BLK	PL092815.D	04 Nov 2024 08:34	AR\AJ	Ok
3	PEM	PL092816.D	04 Nov 2024 08:48	AR\AJ	Ok,M
4	PSTDCCC050	PL092817.D	04 Nov 2024 09:09	AR\AJ	Ok
5	P4495-20	PL092818.D	04 Nov 2024 11:12	AR\AJ	Dilution
6	P4495-20DL	PL092819.D	04 Nov 2024 11:26	AR\AJ	Dilution
7	P4495-20DL2	PL092820.D	04 Nov 2024 11:39	AR\AJ	Ok,M
8	PB164644BL	PL092821.D	04 Nov 2024 13:41	AR\AJ	Ok
9	PB164644BS	PL092822.D	04 Nov 2024 14:16	AR\AJ	Ok
10	P4667-01	PL092823.D	04 Nov 2024 14:30	AR\AJ	Ok
11	P4667-05	PL092824.D	04 Nov 2024 14:44	AR\AJ	Ok,M
12	P4667-09	PL092825.D	04 Nov 2024 14:58	AR\AJ	Ok
13	P4667-13	PL092826.D	04 Nov 2024 15:11	AR\AJ	Ok,M
14	P4675-01	PL092827.D	04 Nov 2024 15:25	AR\AJ	Ok,M
15	P4675-01MS	PL092828.D	04 Nov 2024 15:39	AR\AJ	Ok,M
16	P4675-01MSD	PL092829.D	04 Nov 2024 15:53	AR\AJ	Ok,M
17	P4675-02	PL092830.D	04 Nov 2024 16:07	AR\AJ	Ok,M
18	P4675-03	PL092831.D	04 Nov 2024 16:20	AR\AJ	Ok,M
19	P4675-04	PL092832.D	04 Nov 2024 16:34	AR\AJ	Ok,M
20	P4675-05	PL092833.D	04 Nov 2024 16:48	AR\AJ	Ok,M
21	P4675-06	PL092834.D	04 Nov 2024 17:02	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL110424

Review By	Abdul	Review On	11/5/2024 9:08:28 AM
Supervise By	Ankita	Supervise On	11/5/2024 3:58:02 PM
SubDirectory	PL110424	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4679-01	PL092835.D	04 Nov 2024 17:16	AR\AJ	Ok,M
23	P4680-01	PL092836.D	04 Nov 2024 17:30	AR\AJ	Ok,M
24	P4680-05	PL092837.D	04 Nov 2024 17:43	AR\AJ	Ok,M
25	I.BLK	PL092838.D	04 Nov 2024 17:57	AR\AJ	Ok
26	PSTDCCC050	PL092839.D	04 Nov 2024 18:11	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM
SubDirectory	PL102124	HP Acquire Method	HP Processing Method pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092493.D	21 Oct 2024 12:06		AR\AJ	Ok
2	I.BLK	I.BLK	PL092494.D	21 Oct 2024 12:19		AR\AJ	Ok
3	PEM	PEM	PL092495.D	21 Oct 2024 12:33		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092496.D	21 Oct 2024 12:46		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092497.D	21 Oct 2024 13:00		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092498.D	21 Oct 2024 13:13		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092499.D	21 Oct 2024 13:26		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092500.D	21 Oct 2024 13:40		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL092501.D	21 Oct 2024 13:53		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092503.D	21 Oct 2024 14:20		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092504.D	21 Oct 2024 14:33		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092505.D	21 Oct 2024 14:47		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL092506.D	21 Oct 2024 15:00		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL092507.D	21 Oct 2024 15:14		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PL092508.D	21 Oct 2024 15:27		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL092509.D	21 Oct 2024 15:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092510.D	21 Oct 2024 15:54		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM
SubDirectory	PL102124	HP Acquire Method	HP Processing Method pl102124 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL092511.D	21 Oct 2024 16:07		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102124	PL092512.D	21 Oct 2024 16:21		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL102124CHLOR	PL092513.D	21 Oct 2024 16:34		AR\AJ	Ok,M
22	PTOXICV500	ICVPL102124	PL092514.D	21 Oct 2024 18:08		AR\AJ	Ok
23	I.BLK	I.BLK	PL092515.D	21 Oct 2024 18:41		AR\AJ	Ok,M
24	PEM	PEM	PL092516.D	21 Oct 2024 18:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092517.D	21 Oct 2024 19:08		AR\AJ	Ok,M
26	PB164288BL	PB164288BL	PL092518.D	21 Oct 2024 19:21		AR\AJ	Ok
27	PB164288BS	PB164288BS	PL092519.D	21 Oct 2024 19:34		AR\AJ	Ok,M
28	P4455-01	SU-4-101824	PL092520.D	21 Oct 2024 19:48		AR\AJ	Ok,M
29	P4443-01	OG-315-HR-502-COMF	PL092521.D	21 Oct 2024 20:01		AR\AJ	Ok,M
30	P4443-06	OG-315-HR-502-COMF	PL092522.D	21 Oct 2024 20:15		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL092523.D	21 Oct 2024 20:28		AR\AJ	Ok,M
32	PSTDCCC050	PSTDCCC050	PL092524.D	21 Oct 2024 20:42		AR\AJ	Ok,M
33	P4458-01	280517	PL092525.D	21 Oct 2024 20:55		AR\AJ	Ok,M
34	P4458-01MS	280517MS	PL092526.D	21 Oct 2024 21:08	Some compound recovery fail	AR\AJ	Ok,M
35	P4458-01MSD	280517MSD	PL092527.D	21 Oct 2024 21:22	Some compound recovery fail, RPD fail	AR\AJ	Ok,M
36	I.BLK	I.BLK	PL092528.D	21 Oct 2024 21:35		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL092529.D	21 Oct 2024 21:49		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM
SubDirectory	PL102124	HP Acquire Method	HP Processing Method pl102124 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102624

Review By	Abdul	Review On	10/28/2024 9:31:07 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:46:33 AM
SubDirectory	PL102624	HP Acquire Method	HP Processing Method pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092636.D	25 Oct 2024 14:55		AR\AJ	Ok
2	I.BLK	I.BLK	PL092637.D	25 Oct 2024 15:08		AR\AJ	Ok,M
3	PEM	PEM	PL092638.D	25 Oct 2024 15:22		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092639.D	25 Oct 2024 15:49		AR\AJ	Ok,M
5	PB164398BL	PB164398BL	PL092640.D	25 Oct 2024 16:46		AR\AJ	Ok,M
6	PB164398BS	PB164398BS	PL092641.D	25 Oct 2024 16:59		AR\AJ	Ok,M
7	PB164360BS	PB164360BS	PL092642.D	25 Oct 2024 17:35		AR\AJ	Ok,M
8	P4531-01	OR-03-102424	PL092643.D	25 Oct 2024 17:49		AR\AJ	Ok,M
9	P4547-01	BP-F-21	PL092644.D	25 Oct 2024 18:02		AR\AJ	Ok,M
10	P4545-01	VNJ-215	PL092645.D	25 Oct 2024 18:15	DCB low in both column	AR\AJ	ReRun
11	P4547-05	BP-F-20	PL092646.D	25 Oct 2024 18:29		AR\AJ	Ok,M
12	P4547-05MS	BP-F-20MS	PL092647.D	25 Oct 2024 18:42		AR\AJ	Ok,M
13	P4547-05MSD	BP-F-20MSD	PL092648.D	25 Oct 2024 18:56		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL092649.D	25 Oct 2024 19:09		AR\AJ	Ok,M
15	PSTDCCC050	PSTDCCC050	PL092650.D	25 Oct 2024 19:49		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092651.D	28 Oct 2024 13:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL092652.D	28 Oct 2024 13:55		AR\AJ	Ok
3	PEM	PEM	PL092653.D	28 Oct 2024 14:16		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092654.D	28 Oct 2024 14:29		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092655.D	28 Oct 2024 14:43		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092656.D	28 Oct 2024 14:56		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092657.D	28 Oct 2024 15:09		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092658.D	28 Oct 2024 15:23		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL092659.D	28 Oct 2024 15:36		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092661.D	28 Oct 2024 16:03		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092662.D	28 Oct 2024 16:16		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092663.D	28 Oct 2024 16:30		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL092664.D	28 Oct 2024 16:43		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL092665.D	28 Oct 2024 16:56		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL092666.D	28 Oct 2024 17:10		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL092667.D	28 Oct 2024 17:23		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092668.D	28 Oct 2024 17:37		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method
			pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL092669.D	28 Oct 2024 17:50		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102824	PL092670.D	28 Oct 2024 18:03		AR\AJ	Ok
21	PCHLORICV500	ICVPL102824CHLOR	PL092671.D	28 Oct 2024 18:30		AR\AJ	Ok
22	PTOXICV500	ICVPL102824TOX	PL092672.D	28 Oct 2024 18:57		AR\AJ	Ok
23	I.BLK	I.BLK	PL092673.D	28 Oct 2024 19:24		AR\AJ	Ok
24	PEM	PEM	PL092674.D	28 Oct 2024 19:37		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092675.D	28 Oct 2024 19:51		AR\AJ	Ok,M
26	PB164460BL	PB164460BL	PL092676.D	28 Oct 2024 20:04		AR\AJ	Ok,M
27	PB164460BS	PB164460BS	PL092677.D	28 Oct 2024 20:17		AR\AJ	Ok,M
28	P4575-01	PL-02-102424	PL092678.D	28 Oct 2024 20:31		AR\AJ	Ok,M
29	P4566-01	HD-01-102524	PL092679.D	28 Oct 2024 20:44		AR\AJ	Ok,M
30	P4567-01	WC-1	PL092680.D	28 Oct 2024 20:57		AR\AJ	Ok,M
31	P4567-05	WC-2	PL092681.D	28 Oct 2024 21:11		AR\AJ	Ok
32	P4567-09	WC-3	PL092682.D	28 Oct 2024 21:24		AR\AJ	Ok,M
33	P4574-01	GRAVEL-1	PL092683.D	28 Oct 2024 21:38		AR\AJ	Ok,M
34	P4574-04	GRAVEL-2	PL092684.D	28 Oct 2024 21:51		AR\AJ	Ok,M
35	P4577-01	TR-05-102524	PL092685.D	28 Oct 2024 22:04		AR\AJ	Ok,M
36	P4561-01	BP-F-19	PL092686.D	28 Oct 2024 22:18		AR\AJ	Ok,M
37	P4561-01MS	BP-F-19MS	PL092687.D	28 Oct 2024 22:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL110424

Review By	Abdul	Review On	11/5/2024 9:08:28 AM
Supervise By	Ankita	Supervise On	11/5/2024 3:58:02 PM
SubDirectory	PL110424	HP Acquire Method	HP Processing Method pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092814.D	04 Nov 2024 08:21		AR\AJ	Ok
2	I.BLK	I.BLK	PL092815.D	04 Nov 2024 08:34		AR\AJ	Ok
3	PEM	PEM	PL092816.D	04 Nov 2024 08:48		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092817.D	04 Nov 2024 09:09		AR\AJ	Ok
5	P4495-20	PT-PEST-SOIL	PL092818.D	04 Nov 2024 11:12	Need Dilution	AR\AJ	Dilution
6	P4495-20DL	PT-PEST-SOILDL	PL092819.D	04 Nov 2024 11:26	Need Dilution	AR\AJ	Dilution
7	P4495-20DL2	PT-PEST-SOILDL2	PL092820.D	04 Nov 2024 11:39		AR\AJ	Ok,M
8	PB164644BL	PB164644BL	PL092821.D	04 Nov 2024 13:41		AR\AJ	Ok
9	PB164644BS	PB164644BS	PL092822.D	04 Nov 2024 14:16		AR\AJ	Ok
10	P4667-01	BP-F-6	PL092823.D	04 Nov 2024 14:30		AR\AJ	Ok
11	P4667-05	BP-F-5	PL092824.D	04 Nov 2024 14:44		AR\AJ	Ok,M
12	P4667-09	TP-10	PL092825.D	04 Nov 2024 14:58		AR\AJ	Ok
13	P4667-13	BP-F-7	PL092826.D	04 Nov 2024 15:11		AR\AJ	Ok,M
14	P4675-01	COMP-1	PL092827.D	04 Nov 2024 15:25		AR\AJ	Ok,M
15	P4675-01MS	COMP-1MS	PL092828.D	04 Nov 2024 15:39	delta-BHC Recovery Fail in 1st column	AR\AJ	Ok,M
16	P4675-01MSD	COMP-1MSD	PL092829.D	04 Nov 2024 15:53	delta-BHC Recovery Fail in 1st column	AR\AJ	Ok,M
17	P4675-02	COMP-2	PL092830.D	04 Nov 2024 16:07		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL110424

Review By	Abdul	Review On	11/5/2024 9:08:28 AM
Supervise By	Ankita	Supervise On	11/5/2024 3:58:02 PM
SubDirectory	PL110424	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	P4675-03	COMP-3	PL092831.D	04 Nov 2024 16:20		AR\AJ	Ok,M
19	P4675-04	COMP-4	PL092832.D	04 Nov 2024 16:34		AR\AJ	Ok,M
20	P4675-05	COMP-5	PL092833.D	04 Nov 2024 16:48		AR\AJ	Ok,M
21	P4675-06	COMP-6	PL092834.D	04 Nov 2024 17:02		AR\AJ	Ok
22	P4679-01	MH-1	PL092835.D	04 Nov 2024 17:16		AR\AJ	Ok,M
23	P4680-01	BP-F26	PL092836.D	04 Nov 2024 17:30		AR\AJ	Ok,M
24	P4680-05	BP-F25	PL092837.D	04 Nov 2024 17:43		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL092838.D	04 Nov 2024 17:57		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL092839.D	04 Nov 2024 18:11		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

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
P4488-09	HCC-1	1	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-10	HCC-2	2	1.00	1.00	2.00	2.00	100.0	oil sample
P4495-01	PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
P4495-02	PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
P4495-03	PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
P4495-04	PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
P4495-05	PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
P4495-06	PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
P4495-07	PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
P4495-08	PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
P4495-09	PT-OGR-SOIL	11	1.00	1.00	2.00	2.00	100.0	
P4495-10	PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
P4495-11	PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
P4495-12	PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
P4495-13	PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
P4495-14	PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
P4495-15	PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
P4495-16	PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
P4495-17	PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
P4495-18	PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
P4495-19	PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	
P4495-20	PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
P4495-21	PT-CHLR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
P4495-22	PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
P4495-23	PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
P4495-24	PT-SOL-SOIL	26	0.92	8.80	9.72	7.58	75.7	
P4495-25	PT-NO2-SOIL	27	1.00	1.00	2.00	2.00	100.0	
P4508-01	TP-3	28	1.14	8.38	9.52	8.64	89.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

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
P4508-02	TP-3-EPH	29	1.15	8.81	9.96	9.22	91.6	
P4508-03	TP-3-VOC	30	1.15	8.66	9.81	8.88	89.3	
P4508-05	BP-F23	31	1.15	8.82	9.97	9.22	91.5	
P4508-06	BP-F23-EPH	32	1.14	8.83	9.97	9.29	92.3	
P4508-07	BP-F23-VOC	33	1.15	8.40	9.55	8.61	88.8	
P4508-09	BP-F22	34	1.18	8.78	9.96	9.15	90.8	
P4508-10	BP-F22-EPH	35	1.15	8.70	9.85	8.98	90.0	
P4508-11	BP-F22-VOC	36	1.16	8.60	9.76	8.68	87.4	
P4509-02	AU-06-10232024	37	1.12	8.82	9.94	9.44	94.3	
P4510-01	FDH119M-1-1	38	1.00	1.00	2.00	2.00	100.0	oilc
P4510-02	FDH119M-1-2	39	1.00	1.00	2.00	2.00	100.0	oilc
P4510-03	BC271327-1-1	40	1.00	1.00	2.00	2.00	100.0	oilc
P4510-04	BC271327-1-2	41	1.00	1.00	2.00	2.00	100.0	oilc
P4510-05	BC271327-2-1	42	1.00	1.00	2.00	2.00	100.0	oilc
P4510-06	BC271327-2-2	43	1.00	1.00	2.00	2.00	100.0	oilc
P4510-07	FDA886K-1-1	44	1.00	1.00	2.00	2.00	100.0	oilc
P4510-08	FDA886K-1-2	45	1.00	1.00	2.00	2.00	100.0	oilc
P4510-09	FDA886K-2-1	46	1.00	1.00	2.00	2.00	100.0	oilc
P4510-10	FDA886K-2-2	47	1.00	1.00	2.00	2.00	100.0	oilc
P4510-11	HID111K-1-1	48	1.00	1.00	2.00	2.00	100.0	oilc
P4510-12	HID111K-1-2	49	1.00	1.00	2.00	2.00	100.0	oilc
P4510-13	HID111K-2-1	50	1.00	1.00	2.00	2.00	100.0	oilc
P4510-14	HID111K-2-2	51	1.00	1.00	2.00	2.00	100.0	oilc
P4510-15	HID111K-3-1	52	1.00	1.00	2.00	2.00	100.0	oilc
P4510-16	HID111K-3-2	53	1.00	1.00	2.00	2.00	100.0	oilc
P4510-17	FDA563W-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
P4510-18	FDA563W-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
P4510-19	FDA563W-2-1	56	1.00	1.00	2.00	2.00	100.0	oilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

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
P4510-20	FDA563W-2-2	57	1.00	1.00	2.00	2.00	100.0	oilc
P4510-21	JEC128C-1-1	58	1.00	1.00	2.00	2.00	100.0	oilc
P4510-22	JEC128C-1-2	59	1.00	1.00	2.00	2.00	100.0	oilc
P4510-23	JEC128C-2-1	60	1.00	1.00	2.00	2.00	100.0	oilc
P4510-24	JEC128C-2-2	61	1.00	1.00	2.00	2.00	100.0	oilc
P4511-02	267	62	1.00	1.00	2.00	2.00	100.0	debris
P4512-03	VNJ-212	63	1.15	8.81	9.96	9.66	96.6	
P4512-04	VNJ-212-E2	64	1.16	8.48	9.64	9.39	97.1	
P4513-01	D3683	65	1.00	1.00	2.00	2.00	100.0	oil sample
P4513-02	D3694	66	1.00	1.00	2.00	2.00	100.0	debris
P4513-03	D3695	67	1.00	1.00	2.00	2.00	100.0	debris
P4514-01	BC274653-1-1	68	1.00	1.00	2.00	2.00	100.0	oilc
P4514-02	BC274653-1-2	69	1.00	1.00	2.00	2.00	100.0	oilc
P4514-03	BC274767-1-1	70	1.00	1.00	2.00	2.00	100.0	oilc
P4514-04	BC274767-1-2	71	1.00	1.00	2.00	2.00	100.0	oilc
P4514-05	BC274767-2-1	72	1.00	1.00	2.00	2.00	100.0	oilc
P4514-06	BC274767-2-2	73	1.00	1.00	2.00	2.00	100.0	oilc
P4515-01	CHVB0783	74	1.15	8.83	9.98	5.28	46.8	
P4516-01	72-11986	75	1.12	8.67	9.79	8.93	90.1	
P4517-01	NASSAU-ST-CO	76	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-03	S.JEFFERSON-CO-1	77	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-05	S.JEFFERSON-CO-2	78	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-07	FOREST-ST-CO	79	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102324

WorkList ID : 184679

Department : Wet-Chemistry

Date : 10-23-2024 08:16:39

133085

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4488-09	HCC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-10	HCC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4495-01	PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-02	PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-03	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-04	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-05	PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-06	PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-07	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-08	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-09	PT-OGH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-10	PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-11	PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-12	PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-13	PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-14	PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-15	PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-16	PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-17	PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-18	PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-19	PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO

Date/Time 10/23/24 16:00
 Raw Sample Received by: JH WCI
 Raw Sample Relinquished by: JH WCI

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102324

WorkList ID : 184679

Department : Wet-Chemistry

Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-20	PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-21	PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-22	PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-23	PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-24	PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-25	PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4508-01	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-02	TP-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-03	TP-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-05	BP-F23	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-06	BP-F23-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-07	BP-F23-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-09	BP-F22	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-10	BP-F22-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-11	BP-F22-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4509-02	AU-06-10232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/23/2024	Chemtech -SO
P4510-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-03	BC271327-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-04	BC271327-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-05	BC271327-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time

10/23/24 16:00

Raw Sample Received by:

JP WWC

Raw Sample Relinquished by:

JP WWC

Date/Time

10/23/24

Raw Sample Received by:

JP WWC

Raw Sample Relinquished by:

JP WWC

WORKLIST(Hardcopy Internal Chain)

133085

WorkList Name : %1-102324 WorkList ID : 184679 Department : Wet-Chemistry Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4510-06	BC271327-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-07	FDA886K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-08	FDA886K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-09	FDA886K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-10	FDA886K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-11	HID111K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-12	HID111K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-13	HID111K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-14	HID111K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-15	HID111K-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-16	HID111K-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-17	FDA563W-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-18	FDA563W-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-19	FDA563W-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-20	FDA563W-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-21	JEC128C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-22	JEC128C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-23	JEC128C-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-24	JEC128C-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4511-02	267	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4512-03	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 Date/Time 10/23/24 Date/Time 10/23/24
 Raw Sample Received by: 161.00 Raw Sample Received by: 10 WWC Raw Sample Received by: CP
 Raw Sample Relinquished by: CP Raw Sample Relinquished by: CP Raw Sample Relinquished by: CP

W 133085

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102324 WorkList ID : 184679 Department : Wet-Chemistry Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4512-04	VNJ-212-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-01	D3683	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-02	D3694	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-03	D3695	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4514-01	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-02	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-03	BC274767-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-04	BC274767-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-05	BC274767-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-06	BC274767-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4515-01	CHVB0783	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4516-01	72-11986	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4517-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-03	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-05	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-07	FOREST-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time

10/23/24

16:00

Raw Sample Received by:

W. W. C.

CP

Raw Sample Relinquished by:

W. W. C.

CP

Date/Time

10/23/24

17:30

Raw Sample Received by:

CP

CP

Raw Sample Relinquished by:

W. W. C.

W. W. C.

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/25/2024

Extraction Start Time : 09:40

Extraction End Date : 10/25/2024

Extraction End Time : 12:55

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23858
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	EP2539
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
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
10/25/24	RJ (Ept 12:57)	AJ (EST PCA Lab)
13:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/25/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164398BL	PBLK398	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB164398BS	PLCS398	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P4495-20	PT-PEST-SOIL	PESTICIDE Group1	30.16	N/A	ritesh	Evelyn	10			3
P4531-01	OR-03-102424	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	C		4
P4545-01	VNJ-215	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
P4547-01	BP-F-21	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	C		6
P4547-05	BP-F-20	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	C		U1-1
P4547-05MS	BP-F-20MS	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	C		2
P4547-05MS D	BP-F-20MSD	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	C		3

* Extracts relinquished on the same date as received.

P4495-PESTICIDE Group1



529 of 586

164392021
9-1-20

- 1
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- 19

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4531PEST

Worklist ID : 184768

Department : Extraction

Date : 10-25-2024 08:52:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-20	PT-PEST-SOIL	Solid	PESTICIDE Group1	Cool 4 deg C	CHEM02	QA Of	10/21/2024	8081B
P4495-21	PT-CHLR-SOIL	Solid	PESTICIDE Group2	Cool 4 deg C	CHEM02	QA Of	10/21/2024	8081B
P4495-22	PT-TXP-SOIL	Solid	PESTICIDE Group3	Cool 4 deg C	CHEM02	QA Of	10/21/2024	8081B
P4531-01	OR-03-102424	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	K61	10/24/2024	8081B
P4545-01	VNJ-215	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K61	10/24/2024	8081B
P4547-01	BP-F-21	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/24/2024	8081B
P4547-05	BP-F-20	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/24/2024	8081B

Date/Time 10/25/24 9:35
Raw Sample Received by: RJ (Signature)
Raw Sample Relinquished by: (Signature)

Date/Time 10/27/24 10:00
Raw Sample Received by: CP (Signature)
Raw Sample Relinquished by: RJ (Signature)

Prep Standard - Chemical Standard Summary

Order ID : P4495

Test : PESTICIDE Group1

Prepbatch ID : PB164398,

Sequence ID/Qc Batch ID: PL102624,PL102924,PL103124,pl110124,PL110424,

Standard ID :

EP2539,EP2551,PP23474,PP23476,PP23517,PP23638,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23858,

Chemical ID :

E2865,E3551,E3762,E3770,E3788,E3792,E3793,E3805,E3806,E3815,E3819,P11145,P11146,P11896,P13035,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2539	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2551	10/18/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/18/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23474	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 1.00000ml of P13035 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP23476	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.20000ml of P11145 + 9.80000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani
07/16/2024								

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP23638	09/05/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
09/10/2024								

FROM 95.00000ml of E3788 + 2.50000ml of PP23474 + 2.50000ml of PP23476 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/14/2024

FROM 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	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	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	12/18/2024	06/18/2024 / Rajesh	06/17/2024 / Rajesh	E3762

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	05/09/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

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)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	12/20/2024	06/20/2024 / Abdul	10/29/2021 / Abdul	P11145

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	12/20/2024	06/20/2024 / Abdul	12/26/2023 / Abdul	P13035

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

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



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

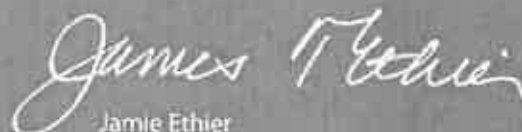
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 6/11/24

E 3762

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS

avantor™



Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>



Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

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

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815


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

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/09/24

E 3819

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
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892
↓
P 11896
5

06/17/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

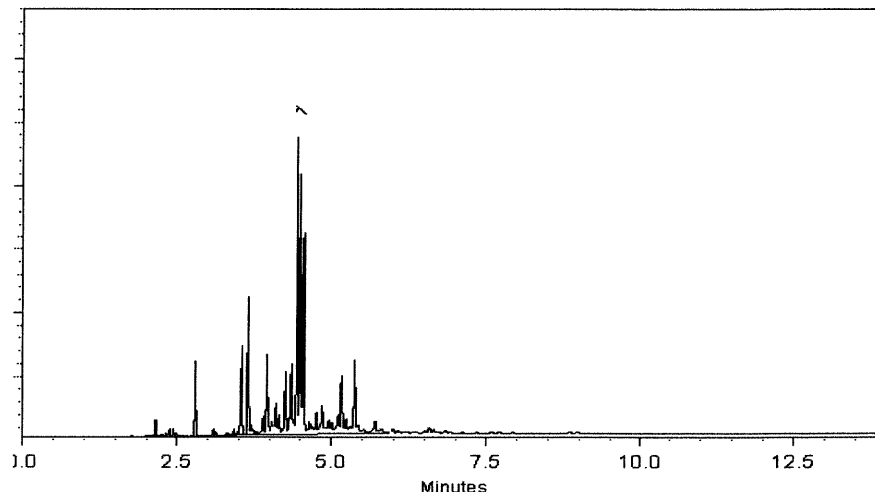
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

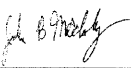
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

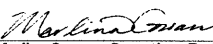


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

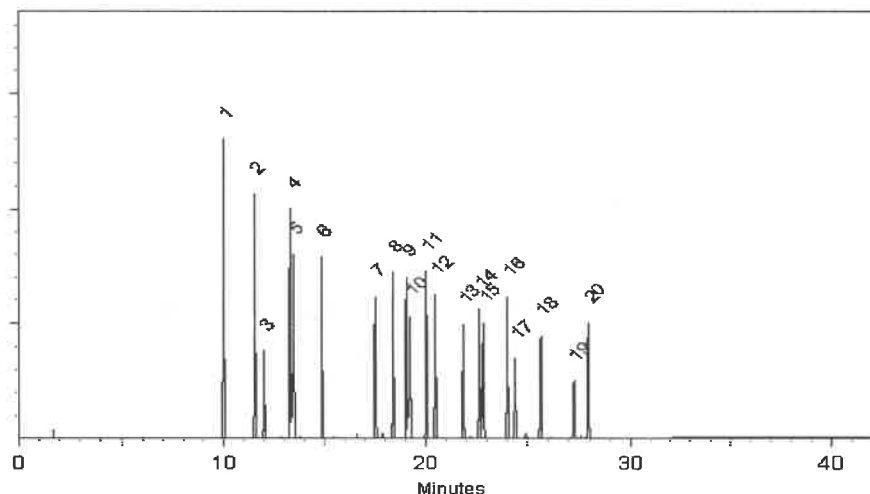
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

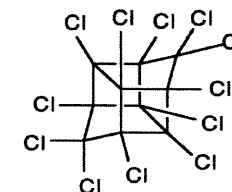
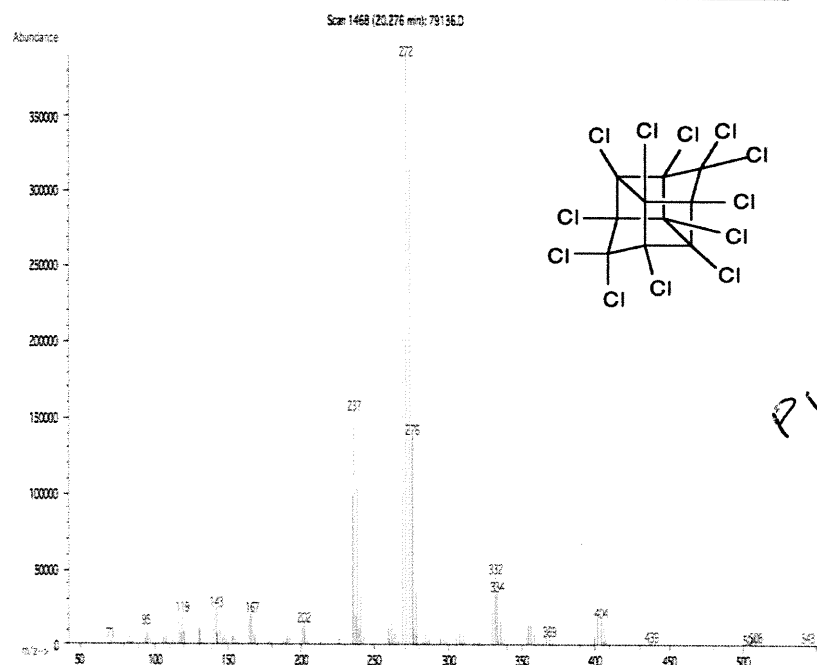
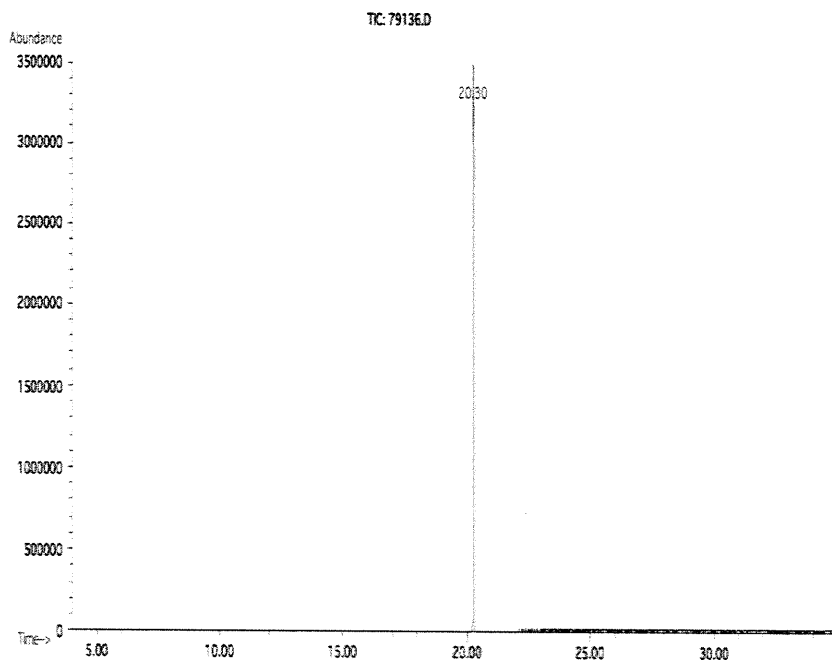
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

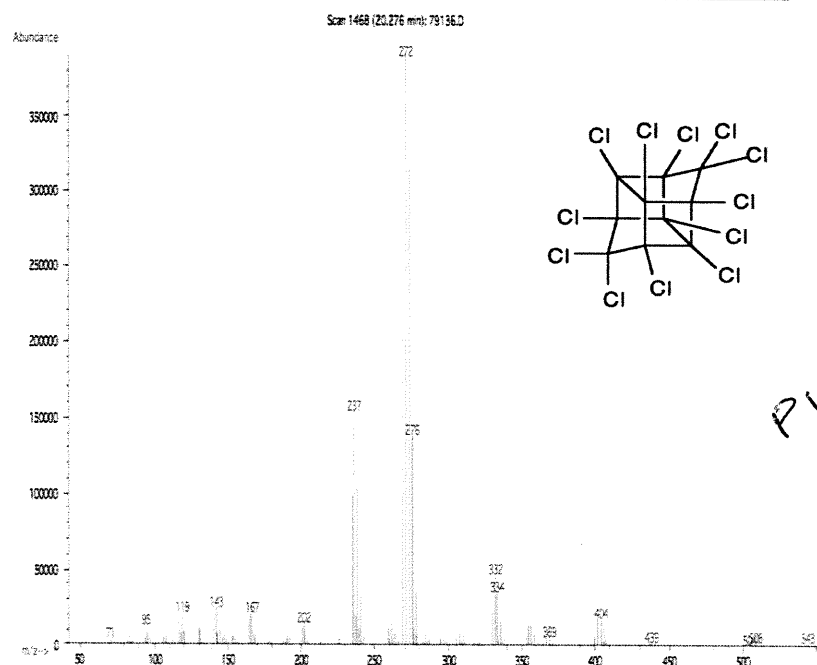
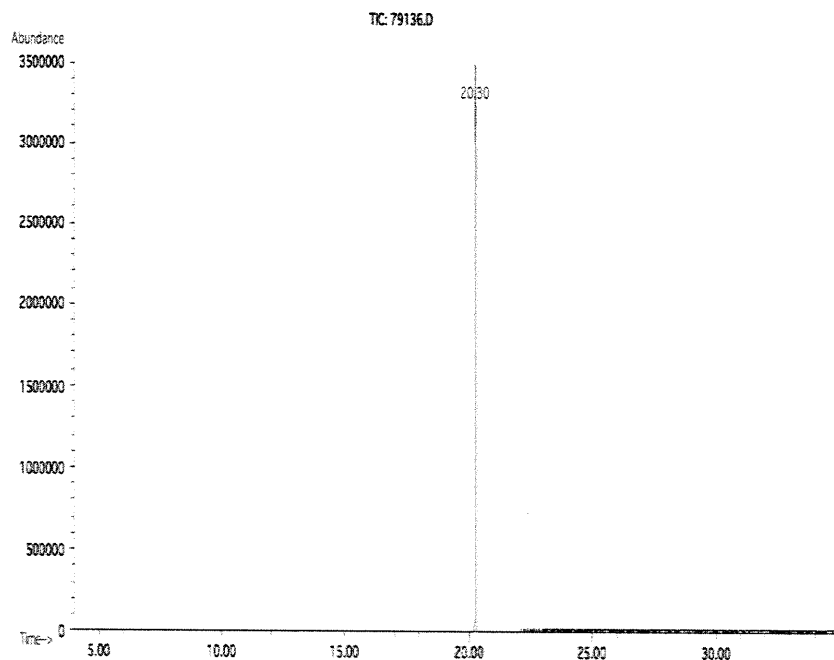
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

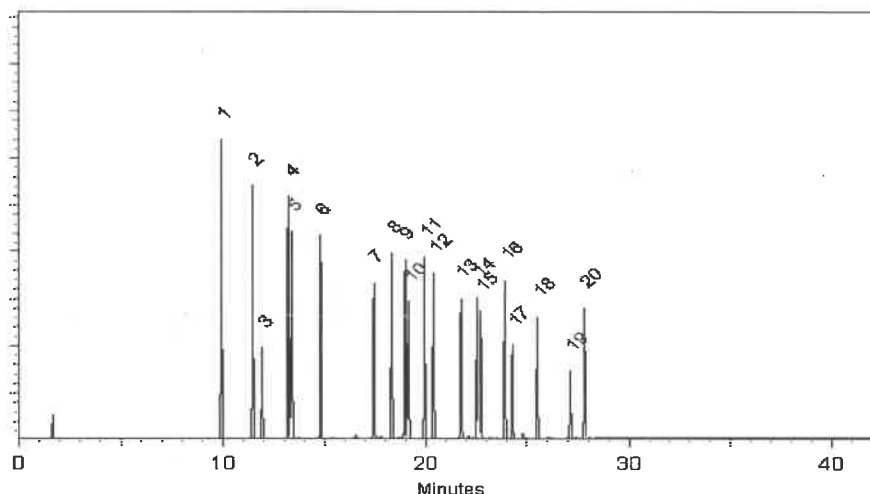
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

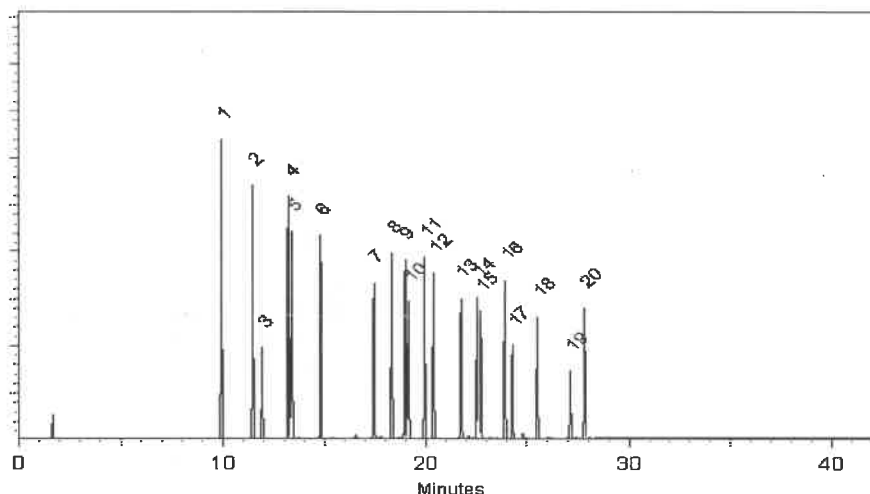
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

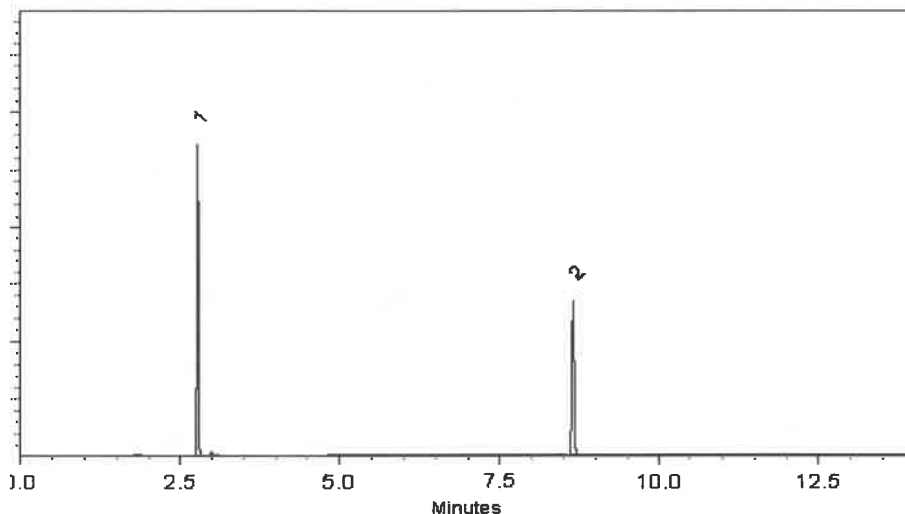
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
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

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P13357
SAUF
04/25/2025
(10)



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

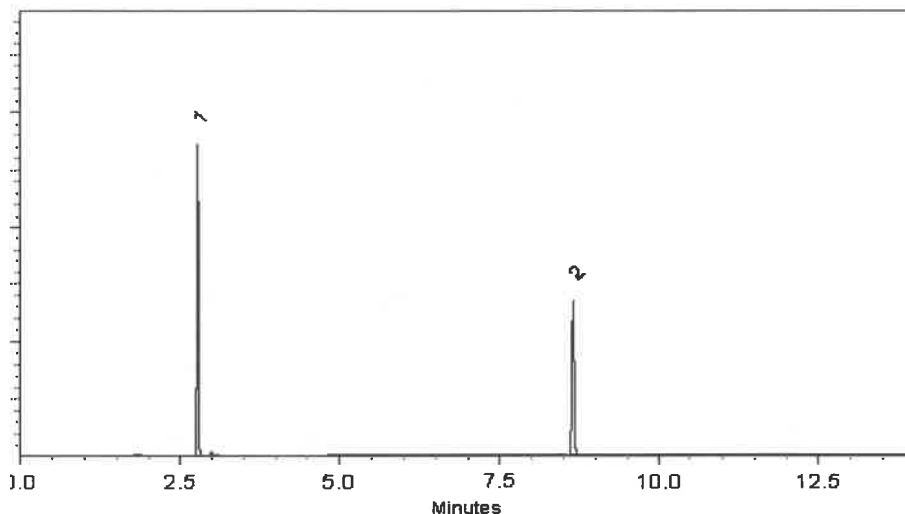
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348
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P13357
SAUF
04/25/2025
(10)



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

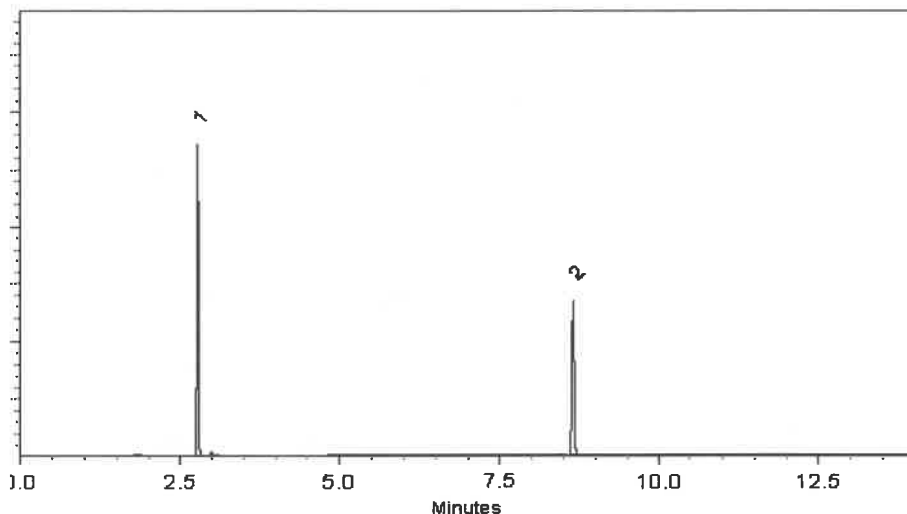
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
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

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SAUF
04/25/2025



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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P 13369
(12)

✓
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

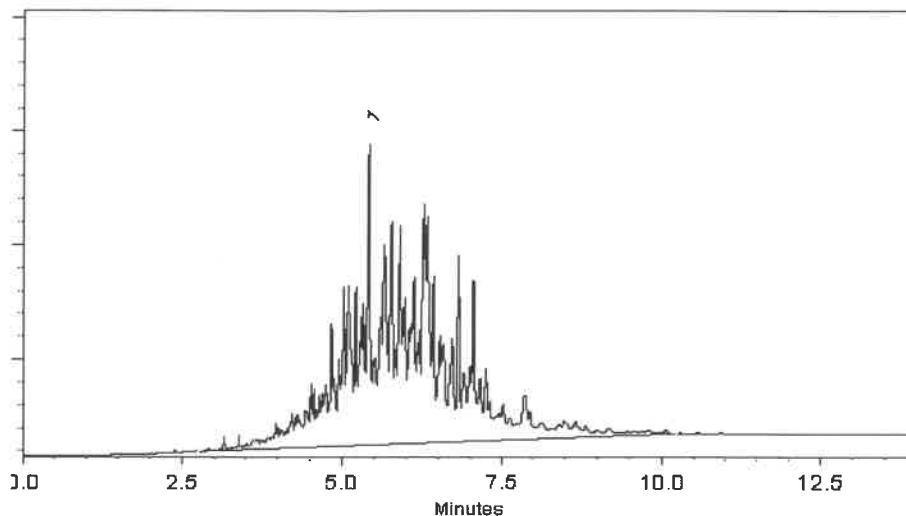
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13358 } (12)
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P13369
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05-06-2024



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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

P13402
P13406
5/22/2021

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

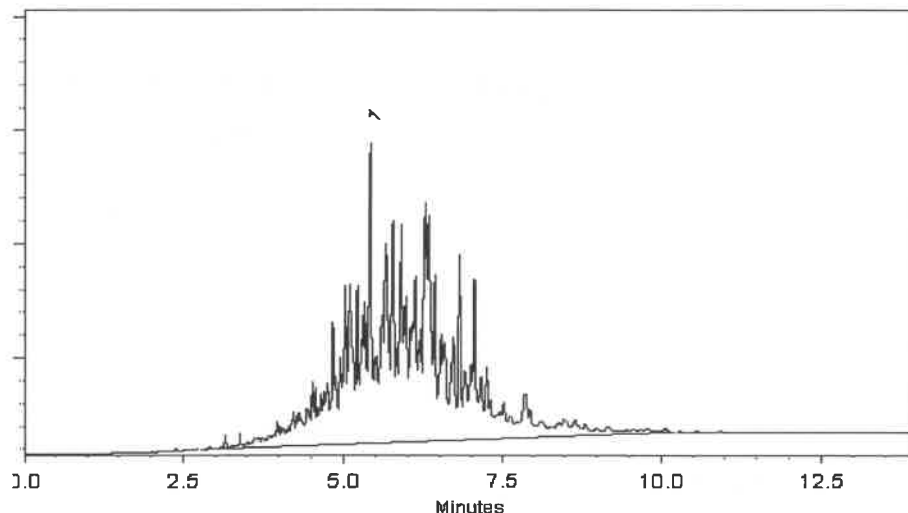
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

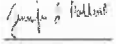


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
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P13406 } (5)


5/22/2024



SHIPPING DOCUMENTS

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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

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9:47

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Date	Order #
10/21/2024	318989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240903-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW1024	7098-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium ✓	HW1024	7098-05D
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1024	7098-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH ✓	HW1024	7098-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1024	7098-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions ✓	HW1024	7098-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients ✓	HW1024	7098-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1024	7098-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1024	7098-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1024	7098-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1024	7098-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease ✓	HW1024	7098-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1024	7098-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1024	7098-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1024	7098-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1024	7098-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1024	7098-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1024	7098-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1024	7098-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1024	7098-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1024	7098-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW1024	7098-106

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received - SJ
10/23/24
9247

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www.phenova.com/home/termsforsale

Date	Order #
10/21/2024	318989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #		Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240903-01		Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO
Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL ✓✓	HW1024	7098-105

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